

Compaq Computer Corporation

TPC Benchmark™ C
Full Disclosure Report
for
ProLiant 8500-550-64P
using
Microsoft SQL Server 2000 Enterprise Edition
and
Windows 2000 Advanced Server

First Edition
February 17, 2000

COMPAQ

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Preface

The TPC Benchmark C was developed by the Transaction Processing Performance Council (TPC). The TPC was founded to define transaction processing benchmarks and to disseminate objective, verifiable performance data to the industry. This full disclosure report is based on the TPC Benchmark C Standard Specifications Version 3.5, released October 25, 1999.

TPC Benchmark C Overview

The TPC describes this benchmark in Clause 0.1 of the specifications as follows:

TPC Benchmark C is an On Line Transaction Processing (OLTP) workload. It is a mixture of read-only and update intensive transactions that simulate the activities found in complex OLTP application environments. It does so by exercising a breadth of system components associated with such environments, which are characterized by:

- The simultaneous execution of multiple transaction types that span a breadth of complexity
- On-line and deferred transaction execution modes
- Multiple on-line terminal sessions
- Moderate system and application execution time
- Significant disk input/output
- Transaction integrity (ACID properties)
- Non-uniform distribution of data access through primary and secondary keys
- Databases consisting of many tables with a wide variety of sizes, attributes, and relationships
- Contention of data access and update

The performance metric reported by TPC-C is a ‘business throughput’ measuring the number of orders processed per minute. Multiple transactions are used to simulate the business activity of processing an order, and each transaction is subject to a response time constraint. The performance metric for this benchmark is expressed in transactions-per-minute-C (tpmC). To be compliant with the TPC-C standard, all references to tpmC results must include the tpmC rate, the associated price-per-tpmC, and the availability date of the priced configuration.

Despite the fact that this benchmark offers a rich environment that emulates many OLTP applications, this benchmark does not reflect the entire range of OLTP requirements. In addition, the extent to which a customer can achieve the results reported by a vendor is highly dependent on how closely TPC-C approximates the customer application. The relative performance of systems derived from this benchmark does not necessarily hold for other workloads or environments. Extrapolations to other environments are not recommended.

Benchmark results are highly dependent upon workload, specific application requirements, and systems design and implementation. Relative system performance will vary as a result of these and other factors. Therefore, TPC-C should not be used as a substitute for a specific customer application benchmark when critical capacity planning and/or product evaluation decisions are contemplated.

Abstract

Overview

This report documents the methodology and results of the TPC Benchmark C test conducted on the Compaq ProLiant 8500-550-64P cluster. The operating system used for the benchmark was Windows 2000 Advanced Server. The DBMS used was Microsoft SQL Server 2000 Enterprise Edition.

TPC Benchmark C Metrics

The standard TPC Benchmark C metrics, tpmC (transactions per minute), price per tpmC (five year capital cost per measured tpmC), and the availability date are reported as:

152207.95 tpmC
\$18.93 per tpmC

The availability date is August 1, 2000.

Hardware is available at the time of this publication.

Standard and Executive Summary Statements

The following pages contain executive summary of results for this benchmark.

Auditor

The benchmark configuration, environment and methodology were audited by Lorna Livingtree of Performance Metrics, Inc. to verify compliance with the relevant TPC specifications.

Compaq Computer Corporation

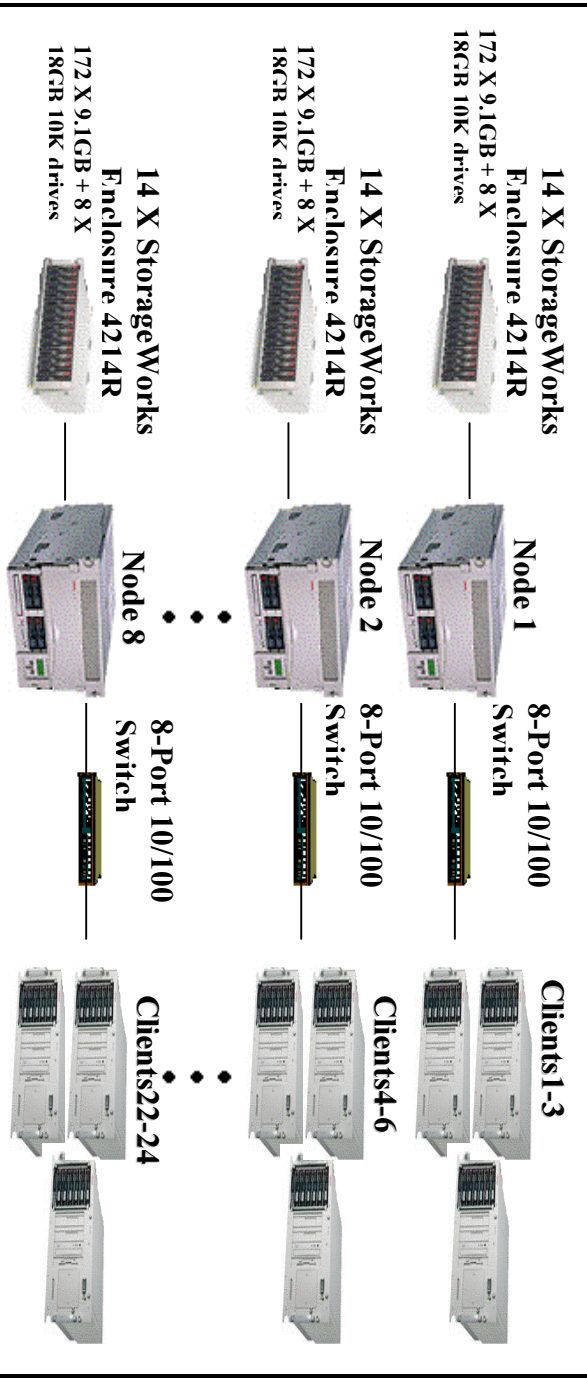
Proliant 8500-550-64P Client/Server

TPC-C Rev. 3.5

Report Date: Feb 17, 2000

Total System Cost	TPC-C Throughput	Price/Performance	Availability Date
\$2,880,431	152207.95	\$18.93	Aug 1, 2000

Processors	Database Manager	Operating System	Other Software	Number of Users
64 Pentium III Xeon 550 MHz	Microsoft SQL Server 2000 Enterprise Edition	Windows 2000 Advanced Server	Microsoft Visual C++ MKS Toolkit for NT Microsoft COM+	144000



System Components	Quantity	Description	Quantity	Description
Processor	64	550MHz PentiumIII Xeon w/ 2MB Cache	34	Pentium III 600Mhz/512K
Memory	128	256MB	12	Pentium III 550Mhz/512K
Disk Controllers	40	SMART 4200 Array Controller	2	Pentium III 733Mhz/512K
Disk Drives	8	Integrated SCSI RAID Controller	96	128MB
Total Storage Tape Drives	1376	9.1GB 10K Ultra2 Universal SCSI Drives	23	Integrated Ultra SCSI Controller
	64	18GB 10K Ultra2 Universal SCSI Drives	1	Integrated SCSI RAID Controller
	1	12.47028 Terabytes 4/16 Turbodat	24	9.1GB 10K Ultra2 SCSI Drives
				218.4GB

Compaq Computer Corporation		Proliant 8500-550-64P		TPC-C Rev. 3.5	
Client/Server		Report Date:		17-Feb-00	

Description	Part Number	Third Party	Unit Price	Qty	Extended Price	5 Yr. Maint. Price
Server Hardware						
Proliant 8500-550-8	323400-001	1	78,400	8	627,200	
- 4 GB SD RAM Memory						
- 8 Pentium III Xeon/50MHz 2MB Cache						
- CD-ROM 24X - 10/100 Ethernet Controller						
NC3122 PCI Dual 10/100 Controller	317450-B21	1	263	16	4,211	
Compaq SMART Array Controller 4200	296696-B21	1	2,218	40	88,704	
StorageWorks Enclosure Model 4214R	103381-001	1	2,576	112	288,512	
Compaq V500 Color Monitor	325900-001	1	203	8	1,622	
4/8GB DAT Drive	295353-B21	1	703	1	703	
Compaq Rack Model 7142	165753-001	1	1,680	10	16,800	
Compaq Rack Coupling Kit	165664-001	1	152	9	1,371	
Compaq Rack SideWall Kit	165652-001	1	208	1	208	
ServerNet II PCI Adapter	422869-001	1	890	8	7,123	
ServerNet II 12 Port Switch	452219-001	1	4,984	1	4,984	
Linksys 16 Port 10/100 Switch DSSSX16	DEH4324 Linksys	3	500	3	1,500	See Note 1
9.1 GB Hot-Plug Wide U2 10K 1"	328939-B22	1	503	1376	691,963	
18.2 GB Hot-Plug Wide U2 10K 1"	128418-B22	1	940	64	60,140	
Proliant Enterprise Server - Parts Exchange - 1 Year	FM-HEPRT-12	1	597	16	9,552	
Proliant Storage System - Parts Exchange - 1 Year	FM-STPRT-12	1	255	224	57,120	
Onsite 5x8 4 Hr Service Upgrade from Compaq Standard Service				1		143,603
Server Software						
Microsoft SQL Server 2000 Enterprise	Microsoft	2	28,999	8	231,992	83,800
Microsoft Visual C++ 6.0	Microsoft	2	549	1	549	Incl Above
Microsoft Windows 2000 Advance Server	Microsoft	2	3,999	8	31,992	Incl Above
Client Hardware						
Proliant 1600 6/600 - 128MB, 100TX Nic	153552-001	1	2,688	17	45,696	
Pentium III 600 MHz Processor Option	153555-B21	1	1,007	17	17,117	
Proliant 1850R 6/550 128MB, 100TX Nic	123740-001	1	4,032	6	24,192	
Proliant DL380 733/133 128MB, TX NIC	157829-001	1	4,816	1	4,816	
128-Megabyte SD DIMM Kit	313615-B21	1	409	69	28,207	
128 MB 133 DIMM	128277-B21	1	409	3	1,226	
Pentium III 550 512KB Processor	153555-B21	1	671	6	4,025	
Pentium III 733/133 Processor	159756-B21	1	1,343	1	1,343	
NC3122 PCI Dual 10/100 Controller	317450-B21	1	263	32	8,422	
Compaq V500 Color Monitor	325900-001	1	203	24	4,865	
9.1GB Wide U2 10K	328939-B22	1	503	24	12,069	
Proliant Workgroup Server - Parts Exchange - 1 Year				1	259	12,432
Onsite 5x8 4 Hr Service Upgrade from Compaq Standard Service				1		12,158
Client Software						
Microsoft Windows 2000 Server	Microsoft	2	809	24	19,416	Incl. Above
User Connectivity						
Linksys 8 Port 10/100 Switch EZX#88R	DEH4162 Linksys	3	160	27	4,320	See Note 1
8-port 10BaseT hub	Generic	1	29.00	19827	574,983	See Note 1
Large Purchase and Cash discount						
				1		
					9.0%	
Subtotal					579,303	0
					(\$227,369)	(\$21,138)
Total					\$2,582,903	\$297,528
Five-Year Cost of Ownership:						\$2,880,431
tpmc Rating:						152207.95
\$ / tpmc:						\$18.93

Prices used in TPC benchmarks reflect the actual prices a customer would pay for a one-time purchase of the stated components. Individually negotiated discounts are not permitted. Special prices based on assumptions about past or future purchases are not permitted. All discounts reflect standard pricing policies for the listed components. For complete details, see the pricing availability of the TPC benchmark pricing specifications. If you find that the stated prices are not available according to these terms, please inform the TPC at pricing@tpc.org. Thank you.

Pricing: 1=Allure Systems 2=Microsoft 3=MicroWarehouse
 Note 1 = 5 Year warranty with 10% Scores -

Note: The benchmark results and test methodology were audited by Lorna Livingtree of Performance Metrics, Inc.

Numerical Quantities Summary

MQTH, Computed Maximum Qualified Throughput 152207.95 tpmC

% throughput difference, reported & reproducibility runs 0.00%

Response Times (in seconds)	Average	90%	Maximum
New-Order	0.37	0.49	7.15
Payment	0.22	0.29	7.87
Order-Status	0.22	0.24	6.68
Delivery (interactive portion)	0.10	0.11	0.92
Delivery (deferred portion)	0.56	0.72	22.91
Stock-Level	1.85	2.16	7.75
Menu	0.10	0.11	1.05

Transaction Mix, in percent of total transaction

New-Order	44.76%
Payment	43.09%
Order-Status	4.05%
Delivery	4.05%
Stock-Level	4.05%

Emulation Delay (in seconds)

	Resp. Time	Menu
New-Order	0.10	0.10
Payment	0.10	0.10
Order-Status	0.10	0.10
Delivery (interactive)	0.10	0.10
Stock-Level	0.10	0.10

Keying/Think Times (in seconds)

	Min.	Average	Max.
New-Order	18.00/0.00	18.02/15.98	18.04/160.01
Payment	3.00/0.00	3.02/15.99	3.04/160.01
Order-Status	2.00/0.00	2.02/14.01	2.04/140.00
Delivery (interactive)	2.00/0.00	2.02/9.02	2.03/90.01
Stock-Level	2.00/0.00	2.02/9.00	2.03/90.00

Test Duration

Ramp-up time	85 minutes
Measurement interval	20 minutes
Transactions (all types) completed during measurement interval	7,075,786
Ramp down time	18 minutes

Checkpointing

Number of checkpoints	1
Checkpoint interval	20 minutes

General Items

Test Sponsor

A statement identifying the benchmark sponsor(s) and other participating companies must be provided.

This benchmark was sponsored by Compaq Computer Corporation. The benchmark was developed and engineered by Compaq Computer Corporation. Testing took place at Compaq benchmarking laboratories in Houston, Texas.

Application Code and Definition Statements

The application program (as defined in clause 2.1.7) must be disclosed. This includes, but is not limited to, the code implementing the five transactions and the terminal input output functions.

Appendix A contains all source code implemented in this benchmark.

Parameter Settings

Settings must be provided for all customer-tunable parameters and options which have been changed from the defaults found in actual products, including by not limited to:

- Database options
- Recover/commit options
- Consistency locking options
- Operating system and application configuration parameters

This requirement can be satisfied by providing a full list of all parameters.

Appendix C contains the tunable parameters to for the database, the operating system, and the transaction monitor.

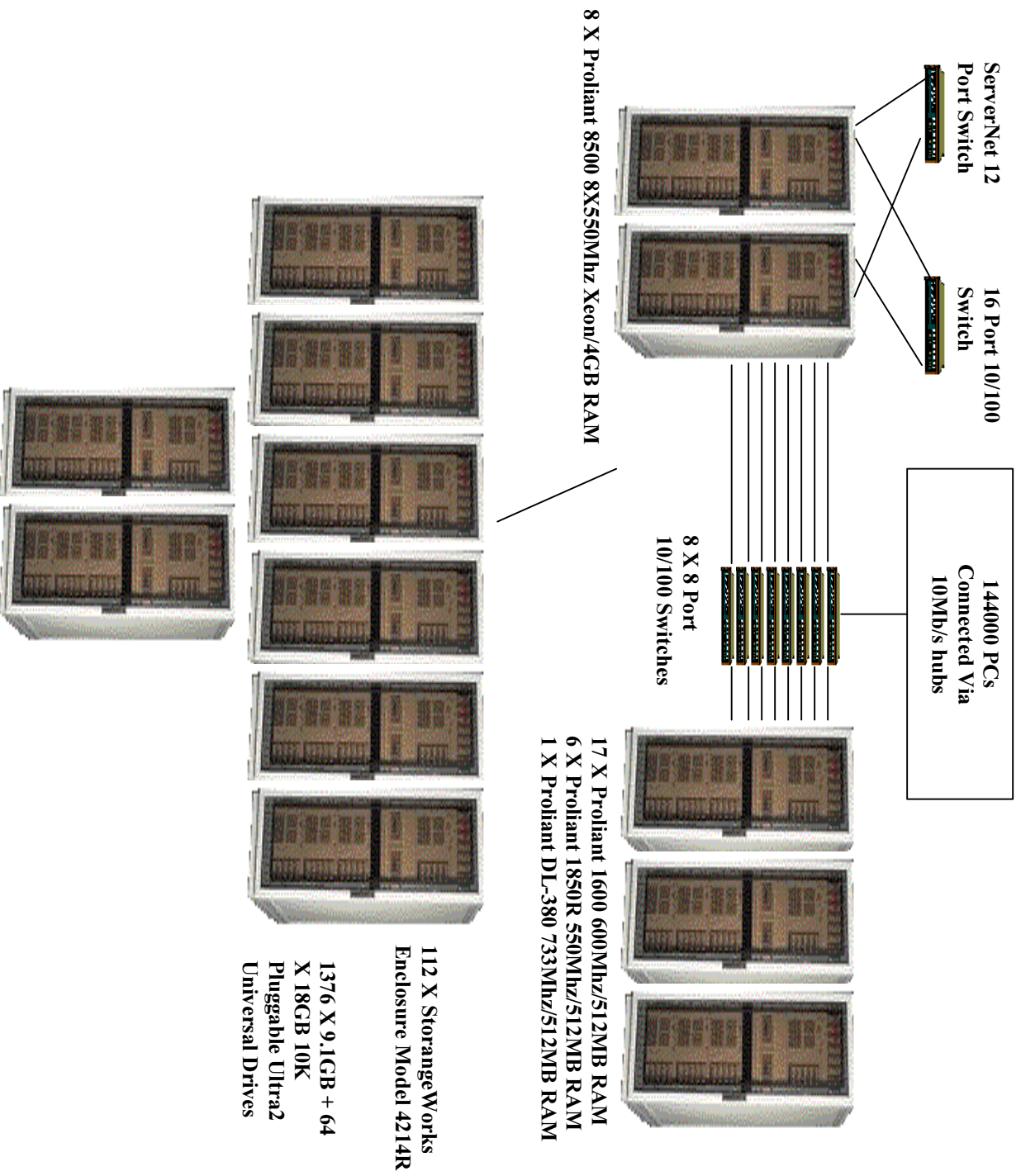
Configuration Items

Diagrams of both measured and priced configurations must be provided, accompanied by a description of the differences.

The configuration diagram for the tested and priced systems is included on the following page.

Figure 1. Benchmarked and Priced Configuration

Compaq Proliant 8500-550-64P



Clause 1 Related Items

Table Definitions

Listing must be provided for all table definition statements and all other statements used to set up the database.

Appendix B contains the code used to define and load the database tables.

Physical Organization of Database

The physical organization of tables and indices within the database must be disclosed.

The tested configuration consisted of: 1376 drives at 9.1 GB and 64 drives at 18GB each.

Benchmarked Configuration (on each node):

Embedded Controller 1		
<u>EISA UTILITIES PARTITION</u>	<u>Total Capacity = 36 MB</u>	<u>RAID 1</u>
Compaq System Configuration Utilities		
<u>LOGICAL DRIVE C:</u>	<u>Total Capacity = 8.43 GB</u>	<u>RAID 1</u>
Microsoft Windows 2000 Advanced Server		
SMART-4200 Controller, Slot 7, Array A		
<u>LOGICAL DRIVE 0:</u>	<u>Total Capacity = 29.83 GB</u>	<u>RAID 0</u>
Big_fg		
<u>LOGICAL DRIVE 1:</u>	<u>Total Capacity = 24.41 GB</u>	<u>RAID 0</u>
Misc_fg		
<u>LOGICAL DRIVE 2:</u>	<u>Total Capacity = 150.83 GB</u>	<u>RAID 1</u>
TpcBackup3		
SMART-4200 Controller, Slot 8, Array A		
<u>LOGICAL DRIVE 3:</u>	<u>Total Capacity = 29.83 GB</u>	<u>RAID 0</u>
Big_fg		
<u>LOGICAL DRIVE 4:</u>	<u>Total Capacity = 24.41 GB</u>	<u>RAID 0</u>
Misc_fg		
<u>LOGICAL DRIVE 5:</u>	<u>Total Capacity = 150.83 GB</u>	<u>RAID 1</u>
TpcBackup4		
SMART-4200 Controller, Slot 9, Array A		
<u>LOGICAL DRIVE 6:</u>	<u>Total Capacity = 67.83 GB</u>	<u>RAID 1</u>
Tpc_log		
<u>LOGICAL DRIVE 7:</u>	<u>Total Capacity = 8.46 GB</u>	<u>RAID 1</u>
Root database files, DTC logs		
SMART-4200 Controller, Slot 3, Array A		
<u>LOGICAL DRIVE 8:</u>	<u>Total Capacity = 29.83 GB</u>	<u>RAID 0</u>
Big_fg		
<u>LOGICAL DRIVE 9:</u>	<u>Total Capacity = 24.41 GB</u>	<u>RAID 0</u>
Misc_fg		
<u>LOGICAL DRIVE 10:</u>	<u>Total Capacity = 150.83 GB</u>	<u>RAID 1</u>
TpcBackup1		

SMART-4200 Controller, Slot 4, Array A			
<u>LOGICAL DRIVE 11:</u>	<u>Big_fg</u>	<u>Total Capacity = 29.83 GB</u>	<u>RAID 0</u>
<u>LOGICAL DRIVE 12:</u>	<u>Misc_fg</u>	<u>Total Capacity = 24.41 GB</u>	<u>RAID 0</u>
<u>LOGICAL DRIVE 13:</u>	<u>TpcBackup2</u>	<u>Total Capacity = 150.83 GB</u>	<u>RAID 1</u>

Priced Configuration vs. Measured Configuration:

The measured and priced configuration only differ in that the measured configuration used disk drives for database backup and the priced configuration used a DAT drive for backup.

Insert and Delete Operations

It must be ascertained that insert and/or delete operations to any of the tables can occur concurrently with the TPC-C transaction mix. Furthermore, any restrictions in the SUT database implementation that precludes inserts beyond the limits defined in Clause I.4.11 must be disclosed. This includes the maximum number of rows that can be inserted and the minimum key value for these new rows.

All insert and delete functions were fully operational during the entire benchmark.

Partitioning

While there are a few restrictions placed upon horizontal or vertical partitioning of tables and rows in the TPC-C benchmark, any such partitioning must be disclosed.

All database tables were partitioned across database server nodes by warehouse ID, 1800 warehouses per node with the exception of the item table, which was replicated across nodes.

Replication, Duplication or Additions

Replication of tables, if used, must be disclosed. Additional and/or duplicated attributes in any table must be disclosed along with a statement on the impact on performance.

The item table was replicated across all database server nodes.

Clause 2 Related Items

Random Number Generation

The method of verification for the random number generation must be described.

In the Benchmark RTE from Microsoft, each driver engine uses an independent random number sequence. All of the users within a given driver draw from the same sequence.

The Benchmark RTE computes random integers as described in "Random Numbers Generators: Good Ones Are Hard to Find." Communications of the ACM - October 1988 Volume 31 Number 10.

The seeds for each user were captured and verified by the auditor to be unique. In addition, the contents of the database were systematically searched, and randomly sampled by the auditor for patterns that would indicate the random number generator had effected any kind of a discernible pattern; none were found.

Input/Output Screen Layout

The actual layout of the terminal input/output screens must be disclosed.

All screen layouts followed the specifications exactly.

Priced Terminal Feature Verification

The method used to verify that the emulated terminals provide all the features described in Clause 2.2.2.4 must be explained. Although not specifically priced, the type and model of the terminals used for the demonstration in 8.1.3.3 must be disclosed and commercially available (including supporting software and maintenance).

The terminal attributes were verified by the auditor manually exercising each specification on a representative Compaq ProLiant 1600 server.

Presentation Manager or Intelligent Terminal

Any usage of presentation managers or intelligent terminals must be explained.

Application code running on the client machines implemented the TPC-C user interface. No presentation manager software or intelligent terminal features were used. The source code for the forms applications is listed in Appendix A.

Transaction Statistics

Table 2.1 lists the numerical quantities that Clauses 8.1.3.5 to 8.1.3.11 require.

Table 2. 1 Transaction Statistics

Statistic	Value
New Order	Home warehouse order lines
	Remote warehouse order lines
	Rolled back transactions
Payment	Average items per order
	Home warehouse payments
	Remote warehouse payments

Statistic	Value
Accessed by last name	59.96%
Order Status	59.88%
Transaction Mix	44.76% 43.09% 4.05% 4.05% 4.05%
	4.05%

Queuing Mechanism

The queuing mechanism used to defer the execution of the Delivery transaction must be disclosed .

The deferred delivery operation is queued by making an entry in an array within the application process (tpcc.dll) running on the middle tier machines. Background threads within the application process asynchronously process the queued delivery transactions.

The source code is listed in Appendix A.

Clause 3 Related Items

Transaction System Properties (ACID)

The results of the ACID tests must be disclosed along with a description of how the ACID requirements were met. This includes disclosing which case was followed for the execution of Isolation Test 7.

All ACID property tests were successful. The executions are described below.

Atomicity

The system under test must guarantee that the database transactions are atomic; the system will either perform all individual operations on the data or will assure that no partially completed operations leave any effects on the data.

Completed Transactions

A row was selected in a script from the warehouse, district and customer tables, and the balances noted. A payment transaction was started with the same warehouse, district and customer identifiers and a known amount. The payment transaction was committed and the rows were verified to contain correctly updated balances.

Aborted Transactions

A row was selected in a script from the warehouse, district and customer tables, and the balances noted. A payment transaction was started with the same warehouse, district and customer identifiers and a known amount. The payment transaction was rolled back and the rows were verified to contain the original balances.

Consistency

Consistency is the property of the application that requires any execution of a database transaction to take the database from one consistent state to another, assuming that the database is initially in a consistent state.

Consistency conditions one through four were tested using a shell script to issue queries to the database. The results of the queries verified that the database was consistent for all four tests.

A run was executed under full load lasting over an hour and included a checkpoint.

The shell script was executed again. The result of the same queries verified that the database remained consistent after the run.

Isolation

Sufficient conditions must be enabled at either the system or application level to ensure the required isolation defined above (clause 3.4.1) is obtained.

Isolation tests one through seven were executed using shell scripts to issue queries to the database. Each script included timestamps to demonstrate the concurrency of operations. The results of the queries were captured to files. The captured files were verified by the auditor to demonstrate the required isolation had been met.

In addition, the phantom tests and the stock level tests were executed and verified.

For Isolation test seven, case A was followed.

Durability

The tested system must guarantee durability: the ability to preserve the effects of committed transaction and insure database consistency after recovery from any one of the failures listed in Clause 3.5.3.

Durable Media Failure

Durability from media failure was demonstrated on a database scaled for 10 warehouses running on 2 of the Proliant 8500 nodes (5 warehouses on each). The standard driving mechanism was used to generate the transaction load of 100 users. The fully scaled database under full load would also have passed the following test. Loss of data and loss of log were combined in the same test.

Loss of Data and Log

To demonstrate recovery from a permanent failure of durable medium containing DBMS logs and TPC-C tables, the following steps were executed:

- The database was backed up to extra disks.
- The total number of New Orders was determined by the sum of D_NEXT_O_ID of all rows in the DISTRICT table giving the beginning count.
- The RTE was started with 100 users.
- The test was allowed to run for a minimum of 10 minutes.
- One log disk was removed from the drive cabinet.
- Since the disk was mirrored, processing was not interrupted. This was verified by checking the users status on the RTE.
- One of the data disks was removed from the drive cabinet.
- When Microsoft SQL Server recorded errors about not being able to access the database, the RTE was shut down.
- A dump of the transaction log was taken and the Microsoft SQL Server was shutdown.
- A new log disk was inserted into the log drive cabinet. A new data disk was inserted into the data drive cabinet. Both cabinets were powered back up and system restarted.
- Microsoft SQL Server was started.
- The database was automatically recovered from the database backup and the transaction log dump.
- Consistency condition #3 was executed and verified.
- Step 2 was repeated and the difference between the first and second counts was noted.
- An RTE report was generated for the entire run time giving the number of NEW-ORDERS successfully returned to the RTE.
- The counts in step 12 and 13 were compared and the results verified that all committed transactions had been successfully recovered.
- Samples were taken from the RTE files and used to query the database to demonstrate successful transactions had corresponding rows in the ORDER table.

Instantaneous Interruption and Loss of Memory

Because loss of power erases the contents of memory, the instantaneous interruption and the loss of memory tests were combined into a single test. This test, however, was implemented in 3 parts: single node loss of power, 8 node loss of power, and loss of cluster interconnect. All 3 tests were executed on a fully scaled database of 14400 warehouses under a full load of 144000 users. The following steps were executed:

- The total number of New Orders was determined by the sum of D_NEXT_O_ID of all rows in the DISTRICT table on all database nodes giving the beginning count.
- The RTE was started with 144000 users.
- The test was allowed to run for a minimum of 10 minutes.
- A checkpoint was performed.
- For the single node and 8 node tests, system crash and loss of memory were induced by switching the power off. No battery backup or Uninterruptible Power Supply (UPS) were

used to preserve the contents of memory. For the loss of cluster interconnect test, power was switched off to the interconnect system.

- The RTE was shutdown.
- All power was restored and the system restarted.
- Microsoft SQL Server was restarted and performed an automatic recovery.
- Consistency condition #3 was executed and verified.
- Step 1 was repeated and the difference between the first and second counts was noted.
- An RTE report was generated for the entire run time giving the number of NEW-ORDERS successfully returned to the RTE.
- The counts in step 9 and 10 were compared and the results verified that all committed transactions had been successfully recovered.

Samples were taken from the RTE files and used to query the database to demonstrate successful transactions had corresponding rows in the ORDER table.

Clause 4 Related Items

Initial Cardinality of Tables

The cardinality (e.g. number of rows) of each table, as it existed at the start of the benchmark run, must be disclosed. If the database was over-scaled and inactive rows of the WAREHOUSE table were deleted, the cardinality of the WAREHOUSE table as initially configured and the number of rows deleted must be disclosed.

Table 4.1 Number of Rows for Database

Table	Cardinality as built
Warehouse	14400
District	144,000
Customer	432,000,000
History	432,000,000
Orders	432,000,000
New Order	129,600,000
Order Line	4,321,953,583
Stock	1,440,000,000
Item	100,000
Deleted Warehouses	0

Database Layout

The distribution of tables and logs across all media must be explicitly depicted for tested and priced systems.

The benchmarked configuration used 8 Compaq Proliant 8500 nodes each configured identically with 1800 warehouses each. Each node used 5 SMART-4200 Array controllers, each with 4 SCSI channels. Each controller is capable of accessing up to 56 disk drives per array, 14 disk drives per each channel, and supports RAID 0 and RAID 1 per each logical volume configured. On each node, the data tables were stored on 12 logical volumes of 42 drives each (i.e. 2 logical volumes on each controller array of 42 drives). Each data volume was configured with RAID 0 and the Array Accelerator was disabled for all the volumes. On each node, one logical volume of 8 18GB drives was configured as RAID 1 and stored the transaction log. The transaction log volumes had the Array Accelerator disabled. Also on each node, one logical volume of 2 9GB drives was configured as RAID 1 and stored the root database files, along with logs for the Distributed Transaction Coordinator (DTC). For each node, the operating system was stored on 2 9GB drives configured as RAID 1 on the embedded SCSI RAID channel. All RAID volumes used hardware RAID.

Section 1.2 of this report details the distribution of database tables across all disks. The code that creates the filegroups and tables is included in Appendix B.

Type of Database

A statement must be provided that describes:

- The data model implemented by DBMS used (e.g. relational, network, hierarchical).
- The database interface (e.g. embedded, call level) and access language (e.g. SQL, DLI, COBOL read/write used to implement the TPC-C transaction. If more than one interface/access language is used to implement TPC-C, each interface/access language must be described and a list of which interface/access language is used with which transaction type must be disclosed.

Microsoft SQL Server 2000 Enterprise Edition is a relational DBMS.

The interface used was Microsoft SQL Server stored procedures accessed with Remote Procedure Calls embedded in C code.

Database Mapping

The mapping of database partitions/replications must be explicitly described.

The item table was replicated across database nodes.

180 Day Space

Details of the 180 day space computations along with proof that the database is configured to sustain 8 hours of growth, for the dynamic tables (Order, Order-Line, and History) must be disclosed.

To calculate the space required to sustain the database log for 8 hours of growth at steady state, the following steps were followed:

- The free space on the log file was queried using `dbcc sqlperf(logspace)`.
- The before New Order count was measured via the sql command: `select sum(d_next_o_id) SumDNextOID from district`
- Transactions were run against the database with a full load of users.
- The free space was again queried using `dbcc sqlperf(logspace)`.
- The after New Order count was measured via the sql command: `select sum(d_next_o_id) SumDNextOID from district`
- The space used was calculated as the difference between the first and second query.
- The number of NEW-ORDERS was calculated as the difference between the after and before `sum(d_next_o_id)` values covering the entire run.
- The space used was divided by the number of NEW-ORDERS giving a space used per NEW-ORDER transaction.
- The space used per transaction was multiplied by the measured tpmC rate times 480 minutes.

The same methodology was used to compute growth requirements for dynamic tables Order, Order-Line and History.

The details of both the 8-hour transaction log space requirement and the 180-day space requirement is shown in Appendix D.

Clause 5 Related Items

Throughput

Measured tpmC must be reported

Measured tpmC 152207.95 tpmC
Price per tpmC \$18.93 per tpmC

Response Times

Ninetieth percentile, maximum and average response times must be reported for all transaction types as well as for the menu response time.

Table 5.2: Response Times

Type	Average	90 th %	Maximum
New-Order	0.37	0.49	7.15
Payment	0.22	0.29	7.87
Order-Status	0.22	0.24	6.68
Interactive Delivery	0.10	0.11	0.92
Deferred Delivery	0.56	0.72	22.91
Stock-Level	1.85	2.16	7.75
Menu	0.10	0.11	1.05

Keying and Think Times

The minimum, the average, and the maximum keying and think times must be reported for each transaction type.

Table 5.3: Keying Times

Type	Minimum	Average	Maximum
New-Order	18.00	18.02	18.04
Payment	3.00	3.02	3.04
Order-Status	2.00	2.02	2.04
Interactive Delivery	2.00	2.02	2.03
Stock-Level	2.00	2.02	2.03

Table 5.4: Think Times

Type	Minimum	Average	Maximum
New-Order	0.00	15.98	160.01
Payment	0.00	15.99	160.01
Order-Status	0.00	14.01	140.00
Interactive Delivery	0.00	9.02	90.01
Stock-Level	0.00	9.00	90.00

Response Time Frequency Distribution Curves and Other Graphs

Response Time frequency distribution curves (see Clause 5.6.1) must be reported for each transaction type.

The performance curve for response times versus throughput (see Clause 5.6.2) must be reported for the New-Order transaction.

Think Time frequency distribution curves (see Clause 5.6.3) must be reported for each transaction type.

Keying Time frequency distribution curves (see Clause 5.6.4) must be reported for each transaction type.

A graph of throughput versus elapsed time (see Clause 5.6.5) must be reported for the New-Order transaction.

Figure 3. New Order Response Time Distribution

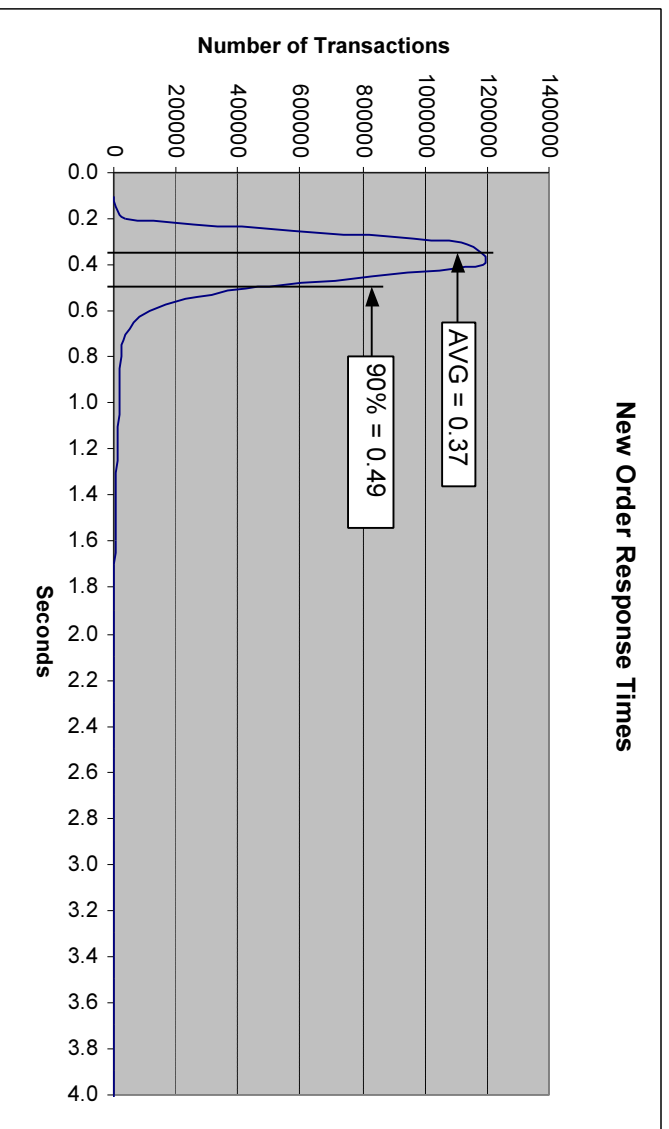


Figure 4. Payment Response Time Distribution

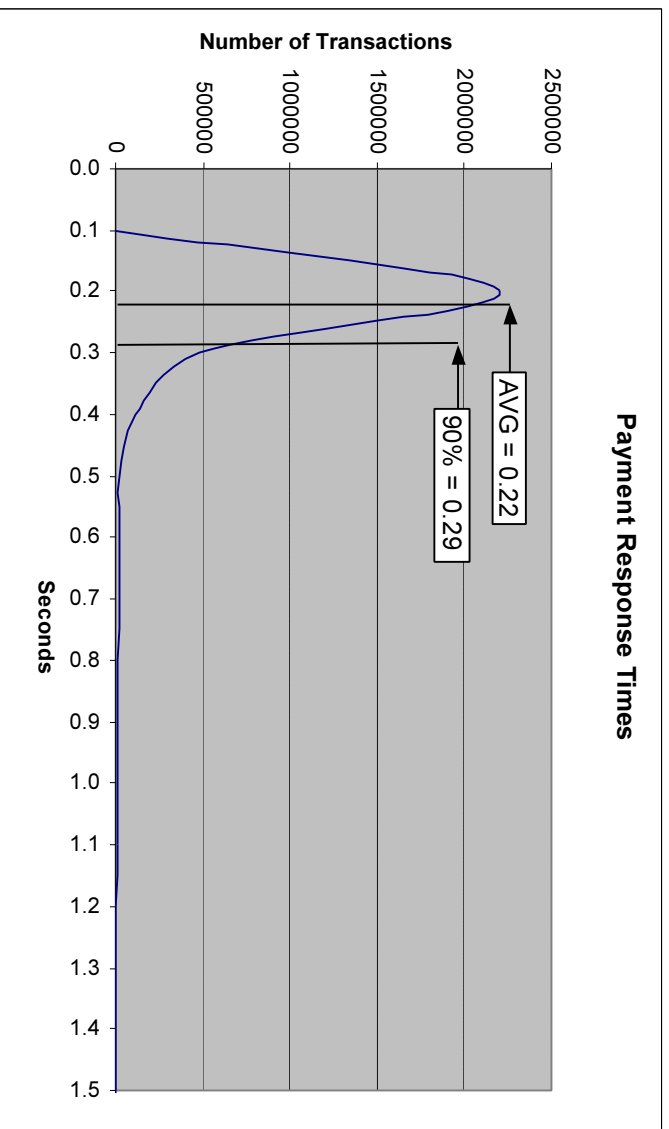


Figure 5. Order Status Response Time Distribution

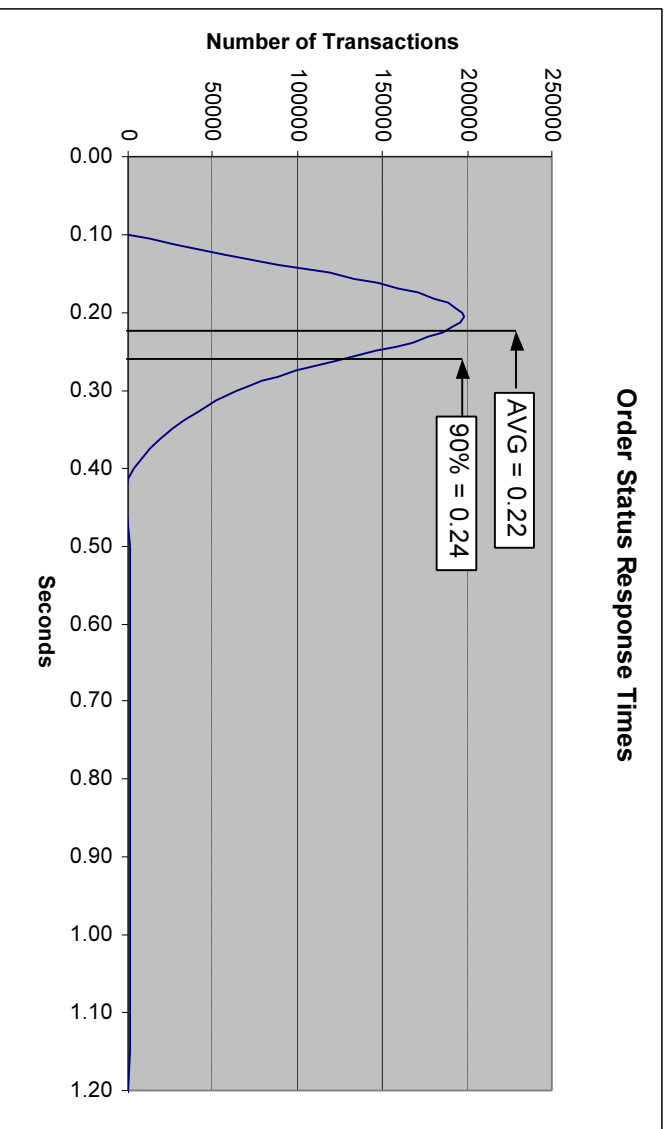


Figure 6. Delivery Response Time Distribution

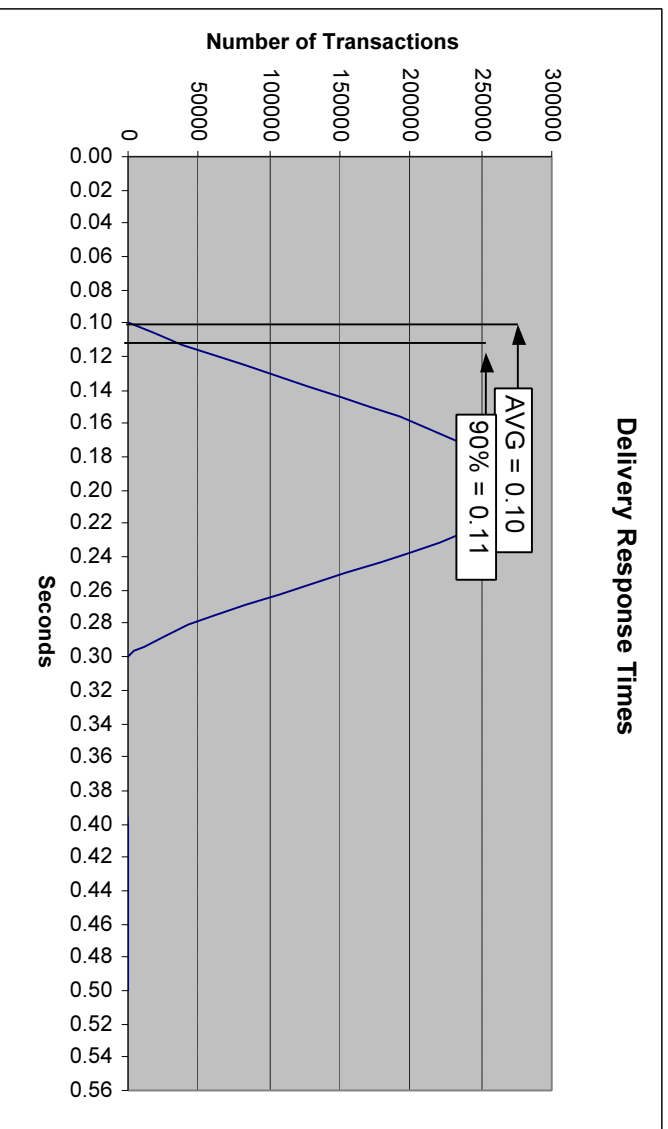


Figure 7. Stock Level Response Time Distribution

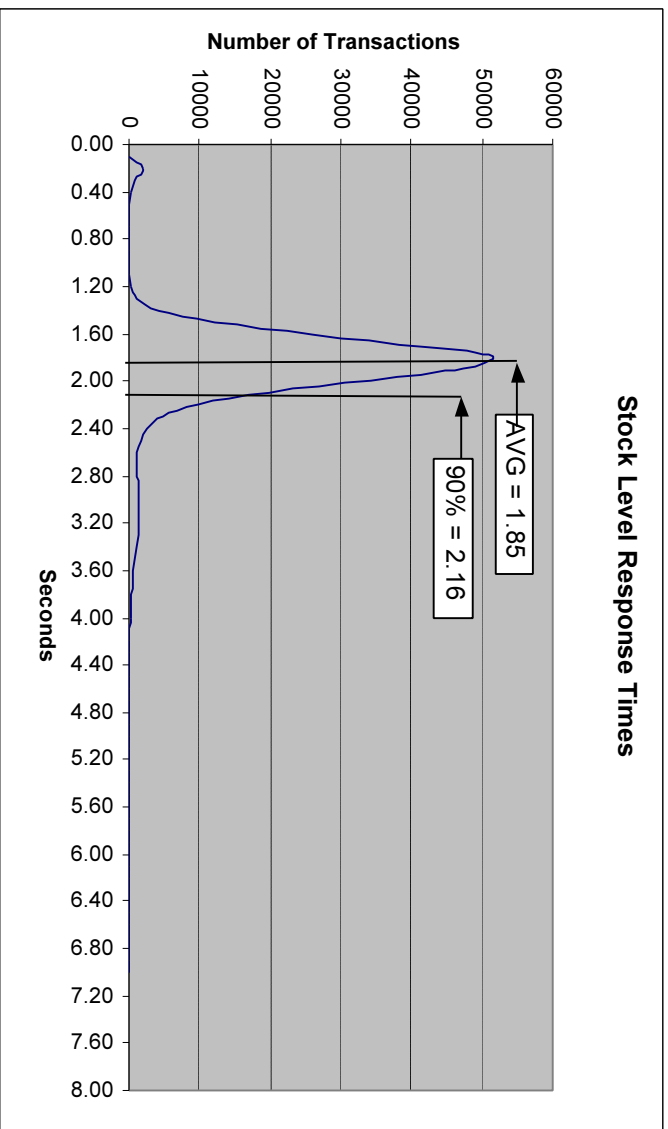


Figure 8. Response Time vs. Throughput

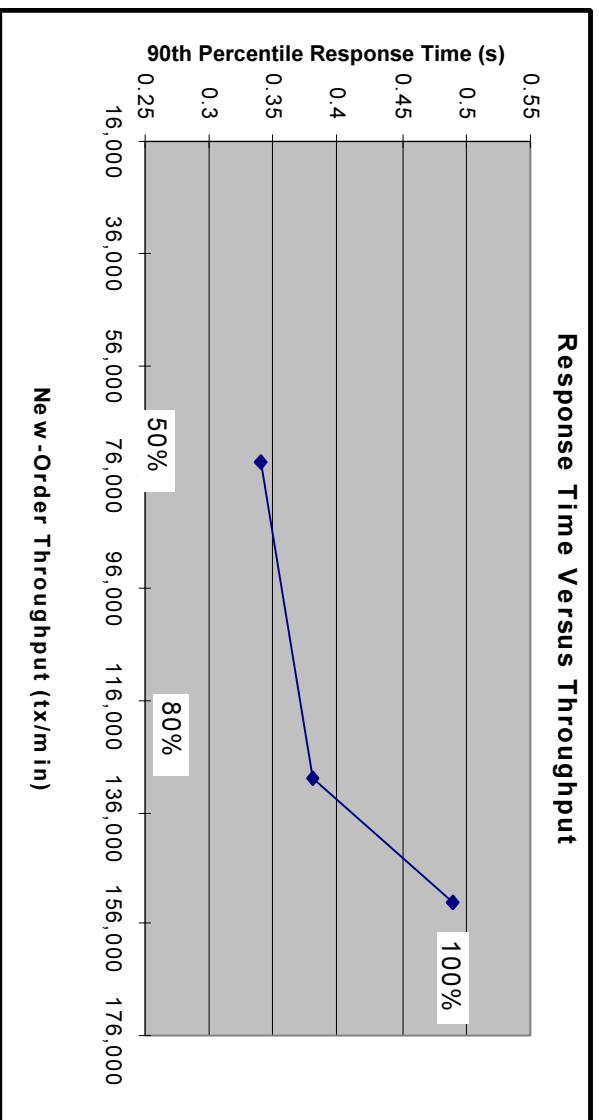


Figure 9. New Order Think Time Distribution

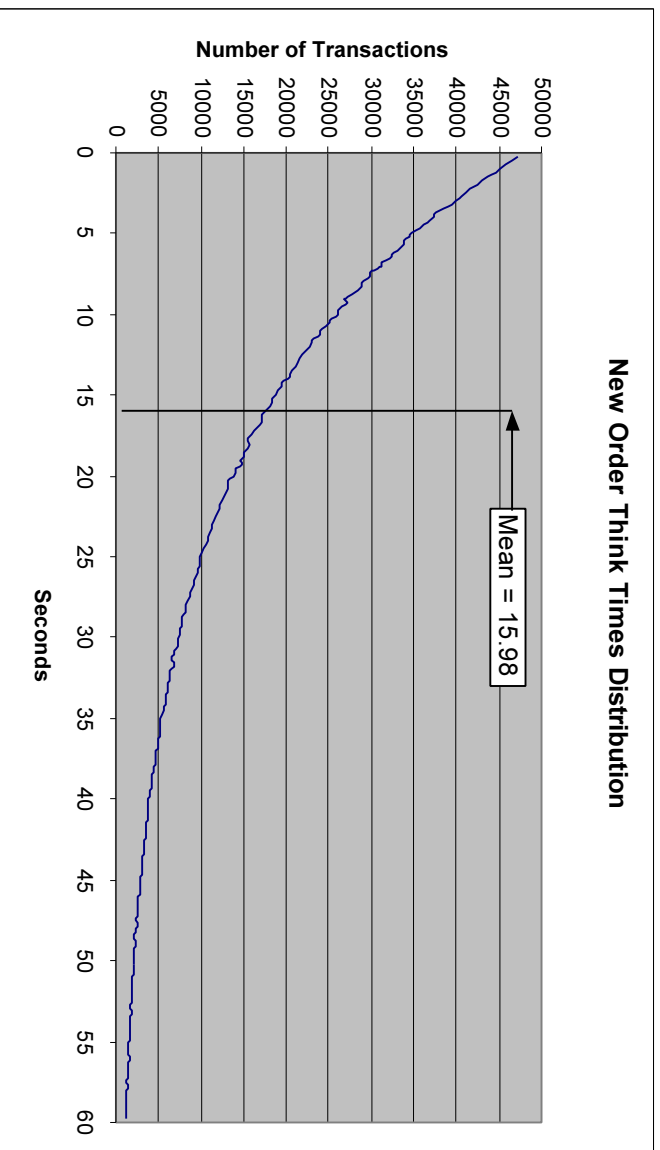
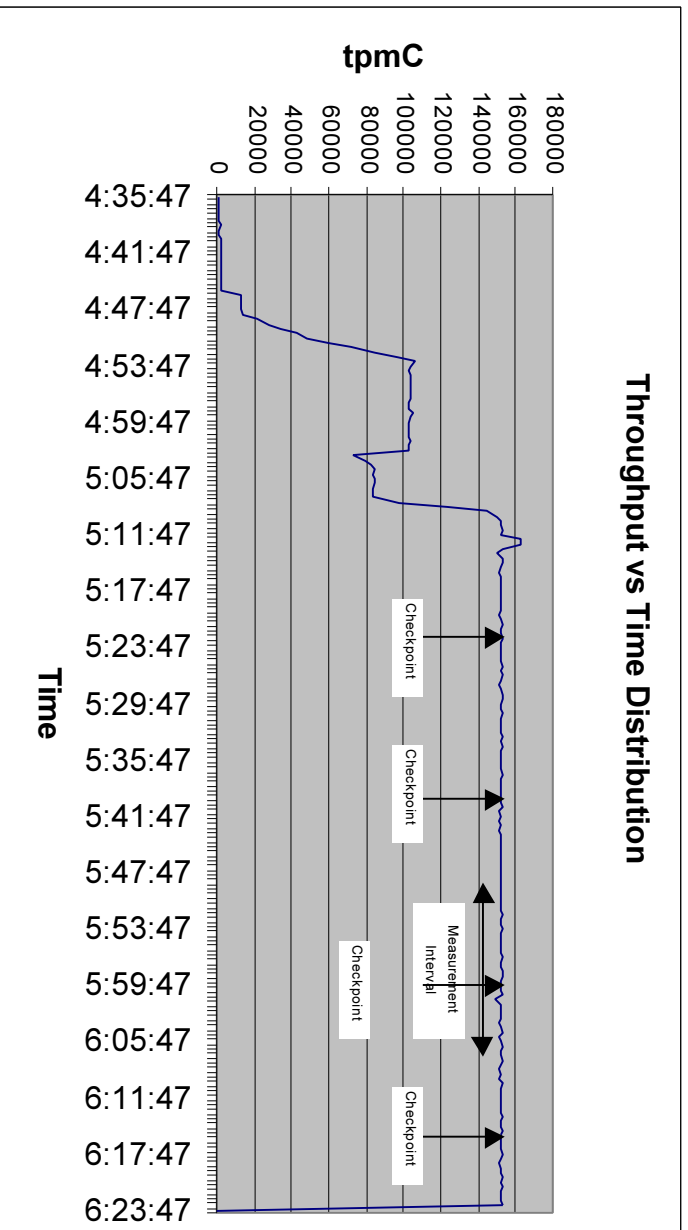


Figure 10. Throughput vs. Time Distribution



Steady State Determination

The method used to determine that the SUT had reached a steady state prior to commencing the measurement interval must be disclosed.

Steady state was determined using real time monitor utilities from the RTE. Steady state was further confirmed by the throughput data collected during the run and graphed in Figure 10.

Work Performed During Steady State

A description of how the work normally performed during a sustained test (for example checkpointing, writing redo/undo log records, etc.), actually occurred during the measurement interval must be reported.

The RTE generated the required input data to choose a transaction from the menu. This data was timestamped. The input screen for the requested transaction was returned and timestamped. The difference between these two timestamps was the menu response time. The RTE writes to the log file once per transaction on selective fields such as order id. There is one log file per driver engine.

The RTE generated the required input data for the chosen transaction. It waited to complete the minimum required key time before transmitting the input screen. The transmission was timestamped. The return of the screen with the required response data was timestamped. The difference between these two timestamps was the response time for that transaction.

The RTE then waited the required think time interval before repeating the process starting at selecting a transaction from the menu.

The RTE transmissions were sent to application processes running on the client machines through Ethernet LANs. These client application processes handled all screen I/O as well as all requests to the database on the server. The applications communicated with the database server over another Ethernet LAN using ODBC and RPC calls.

To perform checkpoints at specific intervals, we set SQL Server *recovery interval* to the maximum allowable value and wrote a script to schedule multiple checkpoints at specific intervals. The script included a wait time between each checkpoint equal to the measurement interval which was 20 minutes. The checkpoint script was started manually after the RTE had all users logged in and sending transactions.

At each checkpoint, Microsoft SQL Server wrote to disk all memory pages that had been updated but not yet physically written to disk. The positioning of the measurement interval was verified to be clear of the guard zones and is depicted on the graph in Figure 10.

Reproducibility

A description of the method used to determine the reproducibility of the measurement results must be reported.

We allowed the database to warm up and to reach a steady state for approximately 35 minutes. The steady state was sustained for a 20-minute (measurement) interval, and was followed by a ramp-down. The repeatable interval result was within 0.00 % of the reported interval result.

Measurement Period Duration

A statement of the duration of the measurement interval for the reported Maximum Qualified Throughput (tpmC) must be included.

The reported measured interval was exactly 20 minutes long.

Regulation of Transaction Mix

The method of regulation of the transaction mix (e.g., card decks or weighted random distribution) must be described. If weighted distribution is used and the RTE adjusts the weights associated with each transaction type, the maximum adjustments to the weight from the initial value must be disclosed.

The RTE was given a weighted random distribution, which was not adjusted during the run.

Transaction Statistics

The percentage of the total mix for each transaction type must be disclosed. The percentage of New-Order transactions rolled back as a result of invalid item number must be disclosed. The average number of order-lines entered per New-Order transaction must be disclosed. The percentage of remote order lines per New-Order transaction must be disclosed. The percentage of remote Payment transactions must be disclosed. The percentage of customer selections by customer last name in the Payment and Order-Status transactions must be disclosed. The percentage of Delivery transactions skipped due to there being fewer than necessary orders in the New-Order table must be disclosed.

Table 5.5: Transaction Statistics

Statistic	Value	
New Order	Home warehouse order lines	99.00%
	Remote warehouse order lines	1.00%
	Rolled back transactions	1.00%
Average items per order	10.00	
Payment	Home warehouse payments	84.98%
	Remote warehouse payments	15.02%
Accessed by last name	59.96%	
Order Status	Accessed by last name	59.88%
Transaction Mix	New Order	44.76%
	Payment	43.09%
	Order status	4.05%
	Delivery	4.05%
Stock level	4.05%	

Checkpoint Count and Location

The number of checkpoints in the Measurement Interval, the time in seconds from the start of the Measurement Interval to the first checkpoint, and the Checkpoint Interval must be disclosed.

The initial checkpoint was started 55 minutes after the start of the ramp-up. Subsequent checkpoints occurred every 20 minutes. The checkpoint in the measurement interval lasted approximately 1 minute. The measurement interval contains the third checkpoint, and is clear of the guard zones.

Clause 6 Related Items

RTE Descriptions

If the RTE is commercially available, then its inputs must be specified. Otherwise, a description must be supplied of what inputs (e.g., scripts) to the RTE had been used.

The RTE used was Microsoft Benchcraft RTE. Benchcraft is a proprietary tool provided by Microsoft and is not commercially available. The RTE's input are listed in Appendix A.

Emulated Components

It must be demonstrated that the functionality and performance of the components being emulated in the Driver System are equivalent to the priced system. The results of the test described in Clause 6.6.3.4 must be disclosed.

The driver system consisted of 8 Compaq ProLiant servers. These driver machines were attached to the 24 Compaq ProLiant client machines through a 100Mb/s Ethernet connection to the 10/100 Dual Speed Switches. Since this configuration is the same connectivity of the priced system, no components were being emulated. Therefore, the test described in Clause 6.6.3.4 was not required.

Functional Diagrams

A complete functional diagram of both the benchmark configuration and the configuration of the proposed (target) system must be disclosed. A detailed list of all hardware and software functionality being performed on the Driver System and its interface to the SUT must be disclosed.

The driver system performed the data generation and input functions of the priced display device. It also captured the input and output data and timestamps for post-processing of the reported metrics. No other functionality was included on the driver system.

Section 1.4 of this report contains detailed diagrams of both the benchmark configuration and the priced configuration.

Networks

The network configuration of both the tested services and proposed (target) services which are being represented and a thorough explanation of exactly which parts of the proposed configuration are being replaced with the Driver System must be disclosed.

The bandwidth of the networks used in the tested/priced configuration must be disclosed.

In the tested configuration, 8 driver (RTE) machines were connected to the 8-port Dual Speed switches with 100Mb/s Ethernet connections. The 24 client machines were connected to the switch with 100Mb/s connections. The server (SUT) was connected to the switches with a 100Mb/s connection.

Operator Intervention

If the configuration requires operator intervention (see Clause 6.6.6), the mechanism and the frequency of this intervention must be disclosed.

This configuration does not require any operator intervention to sustain eight hours of the reported throughput.

Clause 7 Related Items

System Pricing

A detailed list of hardware and software used in the priced system must be reported. Each separately orderable item must have vendor part number, description, and release/revision level, and either general availability status or committed delivery data. If package-pricing is used, vendor part number of the package and a description uniquely identifying each of the components of the package must be disclosed. Pricing source and effective date(s) of price(s) must also be reported.

The total 5 year price of the entire configuration must be reported, including: hardware, software, and maintenance charges. Separate component pricing is recommended. The basis of all discounts used must be disclosed.

The details of the hardware and software are reported in the front of this report as part of the executive summary. All third party quotations are included at the end of this report as Appendix E.

Availability, Throughput, and Price Performance

The committed delivery date for general availability (availability date) of products used in the price calculation must be reported. When the priced system included products with different availability dates, the reported availability date for the priced system must be the date at which all components are committed to be available.

A statement of the measured tpmC as well as the respective calculations for the 5-year pricing, price/performance (price/tpmC), and the availability date must be included.

- **Maximum Qualified Throughput** 152207.95 tpmC
- **Price per tpmC** \$18.93 per tpmC
- **Availability** August 1, 2000
- **Hardware availability date** Date of Publication

Country Specific Pricing

Additional Clause 7 related items may be included in the Full Disclosure Report for each country specific priced configuration. Country specific pricing is subject to Clause 7.1.7

This system is being priced for the United States of America.

Usage Pricing

For any usage pricing, the sponsor must disclose:

- *Usage level at which the component was priced.*
- *A statement of the company policy allowing such pricing.*

The component pricing based on usage is shown below:

- 8 Microsoft Windows 2000 Advanced Server
- 24 Microsoft Windows 2000 Standard Edition licenses (includes Microsoft COM+)
- 8 Microsoft SQL Server 2000 Enterprise Edition (Unlimited User Licenses)
- One Microsoft Visual C++
- Compaq Servers include 3 years of support.

Clause 9 Related Items

Auditor's Report

The auditor's name, address, phone number, and a copy of the auditor's attestation letter indicating compliance must be included in the Full Disclosure Report.

This implementation of the TPC Benchmark C was audited by Lorna Livingtree of Performance Metrics, Inc.

Performance Metrics, Inc.
137 Yankton St., Suite 101
Folsom, CA 95630
(phone) (916) 985-1131
(fax) (916) 985-1185
e-mail: lorna@perfmetrics.com

Availability of the Full Disclosure Report

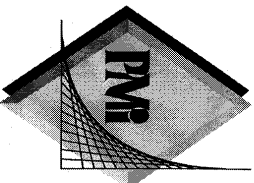
The Full Disclosure Report must be readily available to the public at a reasonable charge, similar to the charges for similar documents by the test sponsor. The report must be made available when results are made public. In order to use the phrase "TPC Benchmark™ C", the Full Disclosure Report must have been submitted to the TPC Administrator as well as written permission obtained to distribute same.

Requests for this TPC Benchmark C Full Disclosure Report should be sent to:

Transaction Processing Performance Council
c/o Shanley Public Relations
777 North First Street, Suite 600
San Jose, CA 95112-6311

or

Compaq Computer Corporation
Database Performance Engineering
P. O. Box 692000
Houston, TX 77269-2000



PERFORMANCE METRICS INC.
TPC Certified Auditors

February 16, 2000

Mr. Paul Cao
 Senior Systems Software Engineer
 Compaq Computer Corporation
 20555 SH 249
 Houston, TX 77070

I have verified the TPC Benchmark™ C client/server for the following configuration

Platform: ProLiant 8500-550-64P (8 node cluster)
 Database Manager: Microsoft SQL Server 2000 Version 8 Enterprise Edition
 Operating System: Microsoft 2000 Advanced Server
 Transaction Monitor: Microsoft COM+

8 Servers: ProLiant 8500 each with:				
CPU's	Memory	Disks (total)	90% Response	TpmC
8 Pentium III Xeon @ 550 Mhz	Main: 4096 MB Cache: 2 MB	172 @ 9.1GB 8 @ 18.2 GB	0.49 sec	152,207.95
24 Clients of three types:				
1 of Type 1: ProLiant DL380 each with:				
2 Pentium III @ 733 Mhz	Main: 512 MB Cache: 256K	1 @ 9.1 GB	na	Na
6 of Type 2: ProLiant 1850R				
2 Pentium III @ 550 MHz	Main: 512 MB Cache: 512	1 @ 9.1 GB	na	na
17 of Type 3: ProLiant DL1600				
2 Pentium III @ 660 MHz	Main: 512 MB Cache: 512	1 @ 9.1 GB	na	na

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PERFORMANCE METRICS INC.
TPC Certified Auditors

In my opinion, these performance results were produced in compliance with the TPC requirements for the benchmark. The following attributes of the benchmark were given special attention:

- The transactions were correctly implemented.
- The database files were properly sized and populated.
- The database was properly scaled with 14,400 warehouses evenly divided across all 8 nodes.
- The ACID properties were successfully demonstrated.
- The durability tests for data loss and log loss were demonstrated on a subset of the SUT configured with a database properly populated for 10 warehouses and evenly divided across 2 nodes.
- Input data was generated according to the specified percentages.
- Eight hours of mirrored log space was present on the tested system.
- Eight hours of growth space for the dynamic tables was present on the tested system.
- The data for the 180 day space calculation was verified.
- The controller cache was disabled on the log disk controllers.
- The steady state portion of the test was 20 minutes.
- One checkpoint was taken before the measured interval.
- One checkpoint was taken during the measured interval.
- The checkpoints were verified to be clear of the guard zone.
- The system pricing was checked for major components and maintenance.
- Third party quotes were verified for compliance.

Auditor Notes:

The cluster was tested for durability of transaction against a single node failure, an 8 node failure and a node interconnect failure. All durability tests completed successfully.

Sincerely,



Lorna Livingtree
Auditor

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Appendix A: Source Code

The client source code is listed below.

db_dblib_dll.dsp

```
# Microsoft Developer Studio Project File - Name="db_dblib_dll" - Package Owner=<4>
# Microsoft Developer Studio Generated Build File, Format Version 6.00
# ** DO NOT EDIT **

# TARGETTYPE "Win32 (x86) Dynamic-Link Library" 0x0102

CFG=db_dblib_dll - Win32 IceCAP
!MESSAGE This is not a valid makefile. To build this project using NMAKE,
!MESSAGE use the Export Makefile command and run
!MESSAGE
!MESSAGE NMAKE /f "db_dblib_dll.mak".
!MESSAGE
!MESSAGE You can specify a configuration when running NMAKE
!MESSAGE by defining the macro CFG on the command line. For example:
!MESSAGE
!MESSAGE NMAKE /f "db_dblib_dll.mak" CFG="db_dblib_dll - Win32 IceCAP"
!MESSAGE
!MESSAGE Possible choices for configuration are:
!MESSAGE
!MESSAGE "db_dblib_dll - Win32 Release" (based on "Win32 (x86) Dynamic-Link
Library")
!MESSAGE "db_dblib_dll - Win32 Debug" (based on "Win32 (x86) Dynamic-Link Library")
!MESSAGE "db_dblib_dll - Win32 IceCAP" (based on "Win32 (x86) Dynamic-Link Library")
!MESSAGE

# Begin Project
# PROP AllowPerConfigDependencies 0
# PROP Scc_ProjName ""
# PROP Scc_LocalPath ""
CPP=cl.exe
MTL=midl.exe
RSC=rc.exe

!IF "$(CFG)" == "db_dblib_dll - Win32 Release"

# PROP BASE Use_MFC 0
# PROP BASE Use_Debug_Libraries 0
# PROP BASE Output_Dir "Release"
# PROP BASE Intermediate_Dir "Release"
# PROP BASE Target_Dir ""
# PROP Use_MFC 0
# PROP Use_Debug_Libraries 0
# PROP Output_Dir ".\bin"
# PROP Intermediate_Dir ".\obj"
# PROP Ignore_Export_Lib 0
# PROP Target_Dir ""

!ELSEIF "$(CFG)" == "db_dblib_dll - Win32 Debug"

# PROP BASE Use_MFC 0
# PROP BASE Use_Debug_Libraries 1
# PROP BASE Output_Dir "Debug"
# PROP BASE Intermediate_Dir "Debug"
# PROP BASE Target_Dir ""
# PROP Use_MFC 0
# PROP Use_Debug_Libraries 1
# PROP Output_Dir ".\bin"
# PROP Intermediate_Dir ".\obj"
# PROP Ignore_Export_Lib 0
# PROP Target_Dir ""
# ADD BASE CPP /nologo /MTd /W3 /Gm /GX /ZI /Od /D "WIN32" /D "_DEBUG" /D "_WINDOWS"
/YX /FD /c
# ADD CPP /nologo /MDd /W3 /Gm /GX /ZI /Od /D "WIN32" /D "_DEBUG" /D "_WINDOWS" /YX
/FD /c
# ADD BASE MTL /nologo /D "_DEBUG" /mktyplib203 /o "NUL" /win32
# ADD MTL /nologo /D "NDEBUG" /mktyplib203 /o "NUL" /win32
# ADD BASE RSC /l 0x409 /d "_DEBUG"
# ADD RSC /l 0x409 /d "NDEBUG"
BSC32=bscmake.exe
# ADD BASE BSC32 /nologo
# ADD BSC32 /nologo
LINK32=link.exe
# ADD BASE LINK32 kernel32.lib user32.lib gdi32.lib winspool.lib comdlg32.lib
advapi32.lib shell32.lib ole32.lib oleaut32.lib uuid.lib odbccp32.lib odbccp32.lib
/nologo /subsystem:windows /dll /debug /machine:I386 /pdbtype:sept
# ADD LINK32 ntdbllib.lib kernel32.lib user32.lib gdi32.lib winspool.lib
comdlg32.lib advapi32.lib shell32.lib ole32.lib oleaut32.lib uuid.lib /nologo
/subsystem:windows /dll /debug /machine:I386 /out:".bin\tpcc_dblib.dll"

!ELSEIF "$(CFG)" == "db_dblib_dll - Win32 IceCAP"

# PROP BASE Use_MFC 0
# PROP BASE Use_Debug_Libraries 1
# PROP BASE Output_Dir "db_dblib"
# PROP BASE Intermediate_Dir "db_dblib"
# PROP BASE Ignore_Export_Lib 0
# PROP BASE Target_Dir ""
# PROP Use_MFC 0
# PROP Use_Debug_Libraries 1
# PROP Output_Dir ".\bin"
# PROP Intermediate_Dir ".\obj"
```

```
# ADD BASE CPP /nologo /MT /W3 /GX /O2 /D "WIN32" /D "NDEBUG" /D "_WINDOWS" /YX /FD
/c
# ADD CPP /nologo /MD /W3 /GX /O2 /D "WIN32" /D "NDEBUG" /D "_WINDOWS" /YX /FD /c
# ADD BASE MTL /nologo /D "NDEBUG" /mktyplib203 /o "NUL" /win32
# ADD MTL /nologo /D "NDEBUG" /mktyplib203 /o "NUL" /win32
# ADD BASE RSC /l 0x409 /d "NDEBUG"
# ADD RSC /l 0x409 /d "NDEBUG"
BSC32=bscmake.exe
# ADD BASE BSC32 /nologo
# ADD BSC32 /nologo
LINK32=link.exe
# ADD BASE LINK32 kernel32.lib user32.lib gdi32.lib winspool.lib comdlg32.lib
advapi32.lib shell32.lib ole32.lib oleaut32.lib uuid.lib odbccp32.lib odbccp32.lib
/nologo /subsystem:windows /dll /machine:I386
# ADD LINK32 ntdbllib.lib kernel32.lib user32.lib gdi32.lib winspool.lib
comdlg32.lib advapi32.lib shell32.lib ole32.lib oleaut32.lib uuid.lib /nologo
/subsystem:windows /dll /machine:I386 /out:".bin\tpcc_dblib.dll"

!ELSEIF "$(CFG)" == "db_dblib_dll - Win32 Debug"

# PROP BASE Use_MFC 0
# PROP BASE Use_Debug_Libraries 1
# PROP BASE Output_Dir "Debug"
# PROP BASE Intermediate_Dir "Debug"
# PROP BASE Target_Dir ""
# PROP Use_MFC 0
# PROP Use_Debug_Libraries 1
# PROP Output_Dir ".\bin"
# PROP Intermediate_Dir ".\obj"
# PROP Ignore_Export_Lib 0
# PROP Target_Dir ""
# ADD BASE CPP /nologo /MTd /W3 /Gm /GX /ZI /Od /D "WIN32" /D "_DEBUG" /D "_WINDOWS"
/YX /FD /c
# ADD CPP /nologo /MDd /W3 /Gm /GX /ZI /Od /D "WIN32" /D "_DEBUG" /D "_WINDOWS" /YX
/FD /c
# ADD BASE MTL /nologo /D "_DEBUG" /mktyplib203 /o "NUL" /win32
# ADD MTL /nologo /D "_DEBUG" /mktyplib203 /o "NUL" /win32
# ADD BASE RSC /l 0x409 /d "_DEBUG"
# ADD RSC /l 0x409 /d "_DEBUG"
BSC32=bscmake.exe
# ADD BASE BSC32 /nologo
# ADD BSC32 /nologo
LINK32=link.exe
# ADD BASE LINK32 kernel32.lib user32.lib gdi32.lib winspool.lib comdlg32.lib
advapi32.lib shell32.lib ole32.lib oleaut32.lib uuid.lib odbccp32.lib odbccp32.lib
/nologo /subsystem:windows /dll /debug /machine:I386 /pdbtype:sept
# ADD LINK32 ntdbllib.lib kernel32.lib user32.lib gdi32.lib winspool.lib
comdlg32.lib advapi32.lib shell32.lib ole32.lib oleaut32.lib uuid.lib /nologo
/subsystem:windows /dll /debug /machine:I386 /out:".bin\tpcc_dblib.dll"
/pdbtype:sept

!ELSEIF "$(CFG)" == "db_dblib_dll - Win32 IceCAP"

# PROP BASE Use_MFC 0
# PROP BASE Use_Debug_Libraries 1
# PROP BASE Output_Dir "db_dblib"
# PROP BASE Intermediate_Dir "db_dblib"
# PROP BASE Ignore_Export_Lib 0
# PROP BASE Target_Dir ""
# PROP Use_MFC 0
# PROP Use_Debug_Libraries 1
# PROP Output_Dir ".\bin"
# PROP Intermediate_Dir ".\obj"
```

```

# PROP Ignore_Export_Lib 0
# PROP Target_Dir ""
# ADD BASE CPP /nologo /MDd /W3 /Gm /GX /Zi /Od /D "WIN32" /D "_DEBUG" /D "_WINDOWS"
/YX /FD /Gh /c
# ADD CPP /nologo /MD /W3 /Gm /GX /Zi /O2 /D "WIN32" /D "NDEBUG" /D "_WINDOWS" /D
"ICECAP" /YX /FD /Gh /c
# ADD BASE MTL /nologo /D "_DEBUG" /mktyplib203 /o "NUL" /win32
# ADD MTL /nologo /D "_DEBUG" /mktyplib203 /o "NUL" /win32
# ADD BASE RSC /l 0x409 /d "_DEBUG"
# ADD RSC /l 0x409 /d "_DEBUG"
BSC32-bscmake.exe
# ADD BASE BSC32 /nologo
# ADD BSC32 /nologo
LINK32=link.exe
# ADD BASE LINK32 ntwdblib.lib kernel32.lib user32.lib gdi32.lib winspool.lib
comdlg32.lib advapi32.lib shell32.lib ole32.lib oleaut32.lib uuid.lib /nologo
/subsystem:windows /dll /debug /machine:I386 /out:".bin\tpcc_dblib.dll"
/pdbtype:sept
# ADD LINK32 icap.lib ntwdblib.lib kernel32.lib user32.lib gdi32.lib winspool.lib
comdlg32.lib advapi32.lib shell32.lib ole32.lib oleaut32.lib uuid.lib /nologo
/subsystem:windows /dll /debug /machine:I386 /out:".bin\tpcc_dblib.dll"
/pdbtype:sept

!ENDIF

# Begin Target

# Name "db_dblib_dll - Win32 Release"
# Name "db_dblib_dll - Win32 Debug"
# Name "db_dblib_dll - Win32 IceCAP"
# Begin Group "Source"

# PROP Default_Filter "*.cpp"
# Begin Source File

SOURCE=.\src\tpcc_dblib.cpp
# End Source File
# End Group
# Begin Group "Header"

# PROP Default_Filter "*.h"
# Begin Source File

SOURCE=.\common\src\error.h
# End Source File
# Begin Source File

SOURCE=.\src\tpcc_dblib.h
# End Source File
# Begin Source File

SOURCE=.\common\src\trans.h
# End Source File
# Begin Source File

SOURCE=.\common\src\txn_base.h
# End Source File
# End Group
# End Target
# End Project

```

dllldata.c

```

/*****
DllData file -- generated by MIDL compiler

DO NOT ALTER THIS FILE

This file is regenerated by MIDL on every IDL file compile.

To completely reconstruct this file, delete it and rerun MIDL
on all the IDL files in this DLL, specifying this file for the
/dlldata command line option

*****/

#include <rpcproxy.h>

#ifdef __cplusplus
extern "C" {
#endif

EXTERN_PROXY_FILE( tpcc_com_ps )

PROXYFILE_LIST_START
/* Start of list */
REFERENCE_PROXY_FILE( tpcc_com_ps ),
/* End of list */
PROXYFILE_LIST_END

DLLDATA_ROUTINES( aProxyFileList, GET_DLL_CLSID )

#ifdef __cplusplus
} /*extern "C" */
#endif

/* end of generated dllldata file */

```

error.h

```

/* FILE: ERROR.H
* Microsoft TPC-C Kit Ver. 4.20.000
* Copyright Microsoft, 1999
* All Rights Reserved
* Version 4.10.000 audited by Richard Gimarc,
Performance Metrics, 3/17/99
* PURPOSE: Header file for error exception classes.
* Change history:
* 4.20.000 - updated rev number to match kit
* 4.21.000 - fixed bug: ~CBaseErr needed to be declared virtual
*/

#pragma once

#ifdef _INC_STRING

```

```

#include <string.h>
#endif

const int m_szMsg_size = 512;
const int m_szApp_size = 64;
const int m_szLoc_size = 64;

//error message structure used in ErrorText routines
typedef struct _SERRORMSG
{
    int                iError;                //error id of
message              char    szMsg[256];    //message to sent to
browser
} SERRORMSG;

typedef enum _ErrorLevel
{
    ERR_FATAL_LEVEL          = 1,
    ERR_WARNING_LEVEL        = 2,
    ERR_INFORMATION_LEVEL    = 3
} ErrorLevel;

#define ERR_TYPE_LOGIC      -1                //logic error in program; internal error
#define ERR_SUCCESS        0                //success (a non-error error)
#define ERR_BAD_ITEM_ID    1                //expected abort record in txnRecord
#define ERR_TYPE_DELIVERY_POST 2            //expected delivery post failed
#define ERR_TYPE_WEBDDL    3                //tpcc web generated error
#define ERR_TYPE_SQL       4                //sql server generated error
#define ERR_TYPE_DBLIB     5                //dblib generated error
#define ERR_TYPE_ODBC      6                //odbc generated error
#define ERR_TYPE_SOCKET    7                //error on communication socket client rte only
#define ERR_TYPE_DEADLOCK  8                //dblib and odbc only deadlock condition
#define ERR_TYPE_COM       9                //error from COM call
#define ERR_TYPE_TUXEDO    10               //tuxedo error
#define ERR_TYPE_OS        11               //operating system error
#define ERR_TYPE_MEMORY    12               //memory allocation error
#define ERR_TYPE_TPCC_ODBC 13               //error from tpcc odbc txn module
#define ERR_TYPE_TPCC_DBLIB 14              //error from tpcc dblib txn module
#define ERR_TYPE_DELISRV   15              //delivery server error
#define ERR_TYPE_TXNLOG    16               //txn log error
#define ERR_TYPE_BCONN     17               //Benchcraft connection class

```

```

#define ERR_TYPE_TPCC_CONN 18               //Benchcraft connection class
#define ERR_TYPE_ENCINA   19               //Encina error
#define ERR_TYPE_COMPONENT 20              //error from COM component
#define ERR_TYPE_RTE      21               //Benchcraft rte
#define ERR_TYPE_AUTOMATION 22              //Benchcraft automation errors
#define ERR_TYPE_DRIVER    23              //Driver engine errors
#define ERR_TYPE_RTE_BASE  24              //Framework errors

#define ERR_INS_MEMORY     "Insufficient Memory to continue."
#define ERR_UNKNOWN        "Unknown error."
#define ERR_MSG_BUF_SIZE   512
#define INV_ERROR_CODE     -1

class CBaseErr
{
public:
    CBaseErr(LPCTSTR szLoc = NULL)
    {
        m_idMsg = INV_ERROR_CODE;
        if (szLoc)
        {
            m_szLoc = new char[m_szLoc_size];
            strcpy(m_szLoc, szLoc);
        }
        else
            m_szLoc = NULL;

        m_szApp = new char[m_szApp_size];
        GetModuleFileName(GetModuleHandle(NULL), m_szApp, m_szApp_size);
    }

    CBaseErr(int idMsg, LPCTSTR szLoc = NULL)
    {
        m_idMsg = idMsg;
        if (szLoc)
        {
            m_szLoc = new char[m_szLoc_size];
            strcpy(m_szLoc, szLoc);
        }
        else
            m_szLoc = NULL;

        m_szApp = new char[m_szApp_size];
        GetModuleFileName(GetModuleHandle(NULL), m_szApp, m_szApp_size);
    }

    virtual ~CBaseErr(void)
    {
        if (m_szApp) delete [] m_szApp;
        if (m_szLoc) delete [] m_szLoc;
    };
};

```

```

virtual void Draw(HWND hwnd, LPCTSTR szStr = NULL)
{
    int          j = 0;
    char        szTmp[512];

    if (szStr)
        j = wsprintf(szTmp, "%s\n", szStr);
    if (ErrorNum() != INV_ERROR_CODE)
        j += wsprintf(szTmp+j, "Error = %d\n", ErrorNum());
    if (m_szLoc)
        j += wsprintf(szTmp+j, "Location = %s\n",
GetLocation());

        j += wsprintf(szTmp+j, "%s\n", ErrorText());

        ::MessageBox(hwnd, szTmp, m_szApp, MB_OK);
}

char *GetApp(void) { return m_szApp; }
char *GetLocation(void) { return m_szLoc; }
virtual int ErrorNum() { return m_idMsg; }
virtual int ErrorType() = 0; // a value which distinguishes the kind of
error that occurred
virtual char *ErrorText() = 0; // a string (i.e., human readable)
representation of the error

protected:
    char        *m_szApp;
    char        *m_szLoc; // code location where the error occurred
    int         m_idMsg;
};

class CSocketErr : public CBaseErr
{
public:
    enum Action
    {
        eNone,
        eSend,
        eSocket,
        eBind,
        eConnect,
        eListen,
        eHost,
        eRecv,
    };

    CSocketErr(Action eAction, LPCTSTR szLocation = NULL);
    Action    m_eAction;

    int ErrorType() { return ERR_TYPE_SOCKET; };
    char *ErrorText(void);
};

class CSystemErr : public CBaseErr
{
public:
    enum Action
    {
        eNone = 0,
        eTransactNamedPipe,
        eWaitNamedPipe,
        eSetNamedPipeHandleState,

```

```

        eCreateFile,
        eCreateProcess,
        eCallNamedPipe,
        eCreateEvent,
        eCreateThread,
        eVirtualAlloc,
        eReadFile = 10,
        eWriteFile,
        eMapViewOfFile,
        eCreateFileMapping,
        eInitializeSecurityDescriptor,
        eSetSecurityDescriptorDacl,
        eCreateNamedPipe,
        eConnectNamedPipe,
        eWaitForSingleObject,
        eRegOpenKeyEx,
        eRegQueryValueEx = 20,
        ebeginthread,
        eRegEnumValue,
        eRegSetValueEx,
        eRegCreateKeyEx,
        eWaitForMultipleObjects,
    };

    CSystemErr(Action eAction, LPCTSTR szLocation);
    ErrorType() { return ERR_TYPE_OS; };

    int ErrorType(void);
    void Draw(HWND hwnd, LPCTSTR szStr = NULL);

    Action    m_eAction;

private:
    char m_szMsg[ERR_MSG_BUF_SIZE];
};

class CMemoryErr : public CBaseErr
{
public:
    CMemoryErr();

    int ErrorType() {return ERR_TYPE_MEMORY;};
    char *ErrorText() {return ERR_INS_MEMORY;};
};

install.c


---


/*      FILE:          INSTALL.C
 *
 *      Microsoft TPC-C Kit Ver. 4.20.000
 *      Copyright Microsoft, 1999
 *
 *      All Rights Reserved
 *
 *      not audited
 *
 *      PURPOSE:  Automated installation application for TPC-C Web Kit
 *      Contact:  Charles Levine (clevine@microsoft.com)
 *
 *      Change history:
 *      4.20.000 - added COM installation steps
 */
#include <windows.h>

```

```

#include <direct.h>
#include <io.h>
#include <stdlib.h>
#include <stdio.h>
#include <commctrl.h>
#include "..\..\common\src\ReadRegistry.h"

#include "resource.h"

#define WM_INITTEXT WM_USER+100

HICON hIcon;
HINSTANCE hInst;

DWORD versionExeMS;
DWORD versionExeLS;
DWORD versionExeMM;
DWORD versionDllMS;
DWORD versionDllLS;

// TPC-C registry settings
TPCCREGISTRYDATA Reg;

static int iPoolThreadLimit;
static int iThreadTimeout;
static int iListenBackLog;
static int iAcceptExOutstanding;

static int iMaxPhysicalMemory; //max physical memory in
MB

static char szLastFileName[64]; // last file we worked on (for
error reporting)

BOOL CALLBACK LicenseDlgProc(HWND hwnd, UINT uMsg, WPARAM wParam, LPARAM
lParam);
BOOL CALLBACK UpdatedDlgProc(HWND hwnd, UINT uMsg, WPARAM wParam, LPARAM
lParam);
BOOL CALLBACK MainDlgProc(HWND hwnd, UINT uMsg, WPARAM wParam, LPARAM lParam);
BOOL CALLBACK CopyDlgProc(HWND hwnd, UINT uMsg, WPARAM wParam, LPARAM lParam);
static void ProcessOK(HWND hwnd, char *szDllPath);
static void ReadRegistrySettings(void);
static void WriteRegistrySettings(char *szDllPath);
static BOOL RegisterDLL(char *szFileName);
static int CopyFiles(HWND hDlg, char *szDllPath);
static BOOL GetInstallPath(char *szDllPath);
static void GetVersionInfo(char *szDLLPath, char *szExePath);
static BOOL CheckWWWebService(void);
static BOOL StartWWWebService(void);
static BOOL StopWWWebService(void);
static void UpdateDialog(HWND hDlg);

BOOL install_com(char *szDllPath);

#include "..\..\common\src\ReadRegistry.cpp"

int WINAPI WinMain( HINSTANCE hInstance, HINSTANCE hPrevInstance, LPSTR lpCmdLine,
int nCmdShow )
{
    int iRc;

    hInst = hInstance;

```

```

InitCommonControls();

hIcon = LoadIcon(hInstance, MAKEINTRESOURCE(IDI_ICON1));

iRc = DialogBox(hInstance, MAKEINTRESOURCE(IDD_DIALOG4),
GetDesktopWindow(), LicenseDlgProc);
if ( iRc )
{
    iRc = DialogBox(hInstance, MAKEINTRESOURCE(IDD_DIALOG1),
GetDesktopWindow(), MainDlgProc);
if ( iRc )
{
    DialogBoxParam(hInstance,
MAKEINTRESOURCE(IDD_DIALOG2), GetDesktopWindow(), UpdatedDlgProc, (LPARAM)iRc);
}
}

DestroyIcon(hIcon);
return 0;

}

BOOL CALLBACK LicenseDlgProc(HWND hwnd, UINT uMsg, WPARAM wParam, LPARAM lParam)
{
    HGLOBAL hRes;
    HRSRC hResInfo;
    BYTE *pSrc, *pDst;
    DWORD dwSize;
    static HFONT hFont;

    switch(uMsg)
    {
        case WM_INITDIALOG:
            hFont = CreateFont(-12, 0, 0, 0, 400, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0);
            SendMessage( GetDlgItem(hwnd, IDR_LICENSE1),
WM_SETFONT, (WPARAM)hFont, MAKELPARAM(0, 0) );
            PostMessage(hwnd, WM_INITTEXT, (WPARAM)0, (LPARAM)0);
            return TRUE;
        case WM_INITTEXT:
            hResInfo = FindResource(hInst,
MAKEINTRESOURCE(IDR_LICENSE1), "LICENSE");
            dwSize = SizeofResource(hInst, hResInfo);
            hRes = LoadResource(hInst, hResInfo );
            pSrc = (BYTE *)LockResource(hRes);
            pDst = (unsigned char *)malloc(dwSize+1);
            if ( pDst )
            {
                memcpy(pDst, pSrc, dwSize);
                pDst[dwSize] = 0;
                SetDlgItemText(hwnd, IDC_LICENSE, (const
char *)pDst);

                free(pDst);
            }
            else
                SetDlgItemText(hwnd, IDC_LICENSE, (const
char *)pSrc);

            return TRUE;
        case WM_DESTROY:
            DeleteObject(hFont);
            return TRUE;
        case WM_COMMAND:
            if ( wParam == IDOK )
                EndDialog(hwnd, TRUE);

```

```

        if ( wParam == IDCANCEL )
            EndDialog(hwnd, FALSE);
    default:
        break;
    }
    return FALSE;
}

BOOL CALLBACK UpdatedDlgProc(HWND hwnd, UINT uMsg, WPARAM wParam, LPARAM lParam)
{
    switch(uMsg)
    {
        case WM_INITDIALOG:
            switch(lParam)
            {
                case 1:
                case 2:
                    SetDlgItemText(hwnd, IDC_RESULTS,
"TPC-C Web Client Installed");
                    break;
            }
            return TRUE;
        case WM_COMMAND:
            if ( wParam == IDOK )
                EndDialog(hwnd, TRUE);
            break;
        default:
            break;
    }
    return FALSE;
}

BOOL CALLBACK MainDlgProc(HWND hwnd, UINT uMsg, WPARAM wParam, LPARAM lParam)
{
    PAINTSTRUCT ps;
    MEMORYSTATUS memoryStatus;
    OSVERSIONINFO VI;
    char szTmp[256];
    static char szDllPath[256];
    static char szExePath[256];

    switch(uMsg)
    {
        case WM_INITDIALOG:
            GlobalMemoryStatus(&memoryStatus);
            iMaxPhysicalMemory = (memoryStatus.dwTotalPhys/
1048576);

            if ( GetInstallPath(szDllPath) )
            {
                MessageBox(hwnd, "Error internet service
inetsrv is not installed.", NULL, MB_ICONSTOP | MB_OK);
                EndDialog(hwnd, FALSE);
                return TRUE;
            }

            // set default values
            ZeroMemory( &Reg, sizeof(Reg) );
            Reg.dwNumberOfDeliveryThreads = 4;
            Reg.dwMaxConnections = 100;
            Reg.dwMaxPendingDeliveries = 100;
            Reg.eDB_Protocol = DBLIB;
            Reg.eTxnMon = None;
    }
}

```

```

        strcpy(Reg.szDbServer, "");
        strcpy(Reg.szDbName, "tpcc");
        strcpy(Reg.szDbUser, "sa");
        strcpy(Reg.szDbPassword, "");

        iPoolThreadLimit = iMaxPhysicalMemory * 2;
        iThreadTimeout = 86400;
        iListenBackLog = 15;
        iAcceptExOutstanding = 40;

        ReadTPCCRegistrySettings( &Reg );
        ReadRegistrySettings();

        GetModuleFileName(hInst, szExePath,
sizeof(szExePath));

        GetVersionInfo(szDllPath, szExePath);

        wsprintf(szTmp, "Version %d.%2d.%3d",
versionExeMS, versionExeMM, versionExeLS);
        SetDlgItemText(hwnd, IDC_VERSION, szTmp);

        SetDlgItemText(hwnd, IDC_PATH, szDllPath);

        SetDlgItemText(hwnd, ED_DB_SERVER, Reg.szDbServer);
        SetDlgItemText(hwnd, ED_DB_USER_ID, Reg.szDbUser);
        SetDlgItemText(hwnd, ED_DB_PASSWORD,
Reg.szDbPassword);
        SetDlgItemText(hwnd, ED_DB_NAME, Reg.szDbName);

        SetDlgItemInt(hwnd, ED_THREADS,
Reg.dwNumberOfDeliveryThreads, FALSE);
        SetDlgItemInt(hwnd, ED_MAXCONNECTION,
Reg.dwMaxConnections, FALSE);
        SetDlgItemInt(hwnd, ED_MAXDELIVERIES,
Reg.dwMaxPendingDeliveries, FALSE);
        SetDlgItemInt(hwnd, ED_IIS_MAX_THREAD_POOL_LIMIT,
iPoolThreadLimit, FALSE);
        SetDlgItemInt(hwnd, ED_IIS_THREAD_TIMEOUT,
iThreadTimeout, FALSE);
        SetDlgItemInt(hwnd, ED_IIS_LISTEN_BACKLOG,
iListenBackLog, FALSE);
        SetDlgItemInt(hwnd, ED_WEB_SERVICE_BACKLOG_QUEUE_SIZE,
iAcceptExOutstanding, FALSE);

        CheckDlgButton(hwnd, IDC_DBLIB, 0);
        CheckDlgButton(hwnd, IDC_ODBC, 0);
        if ( Reg.eDB_Protocol == DBLIB )
            CheckDlgButton(hwnd, IDC_DBLIB, 1);
        else
            CheckDlgButton(hwnd, IDC_ODBC, 1);

        // check OS version level for COM. Must be at least
Windows 2000
        VI.dwOSVersionInfoSize = sizeof(VI);
        GetVersionEx( &VI );
        if (VI.dwMajorVersion < 5)
        {
            HWND hDlg = GetDlgItem( hwnd, IDC_TM_MTS );
            EnableWindow( hDlg, 0 ); // disable COM
option
            if (Reg.eTxnMon == COM)
                Reg.eTxnMon = None;
        }
    }
}

```

```

CheckDlgButton(hwnd, IDC_TM_NONE, 0);
CheckDlgButton(hwnd, IDC_TM_TUXEDO, 0);
CheckDlgButton(hwnd, IDC_TM_MTS, 0);
CheckDlgButton(hwnd, IDC_TM_ENCINA, 0);
switch (Reg.eTxnMon)
{
case None:
    CheckDlgButton(hwnd, IDC_TM_NONE, 1);
    break;
case TUXEDO:
    CheckDlgButton(hwnd, IDC_TM_TUXEDO, 1);
    break;
case ENCINA:
    CheckDlgButton(hwnd, IDC_TM_ENCINA, 1);
    break;
case COM:
    CheckDlgButton(hwnd, IDC_TM_MTS, 1);
    break;
}

return TRUE;
case WM_PAINT:
    if ( IsIconic(hwnd) )
    {
        BeginPaint(hwnd, &ps);
        DrawIcon(ps.hdc, 0, 0, hIcon);
        EndPaint(hwnd, &ps);
        return TRUE;
    }
    break;
case WM_COMMAND:
    if ( HIWORD(wParam) == BN_CLICKED )
    {
        switch( LOWORD(wParam) )
        {
            case IDC_DBLIB:
                return TRUE;
            case IDC_ODBC:
                return TRUE;
            case IDOK:
                ProcessOK(hwnd,
                    szDllPath);
                return TRUE;
            case IDCANCEL:
                EndDialog(hwnd, FALSE);
                return TRUE;
            default:
                return FALSE;
        }
    }
    break;
default:
    break;
}
return FALSE;
}

static void ProcessOK(HWND hwnd, char *szDllPath)
{
    int         hDlg;
    int         rc;

```

```

char         szFullName[256];
char         szErrTxt[128];

// read settings from dialog
Reg.dwNumberOfDeliveryThreads = GetDlgItemInt(hwnd, ED_THREADS, &d,
FALSE);
Reg.dwMaxConnections = GetDlgItemInt(hwnd, ED_MAXCONNECTION, &d, FALSE);
Reg.dwMaxPendingDeliveries = GetDlgItemInt(hwnd, ED_MAXDELIVERIES, &d,
FALSE);

GetDlgItemText(hwnd, ED_DB_SERVER, Reg.szDbServer,
sizeof(Reg.szDbServer));
GetDlgItemText(hwnd, ED_DB_USER_ID, Reg.szDbUser, sizeof(Reg.szDbUser));
GetDlgItemText(hwnd, ED_DB_PASSWORD, Reg.szDbPassword,
sizeof(Reg.szDbPassword));
GetDlgItemText(hwnd, ED_DB_NAME, Reg.szDbName, sizeof(Reg.szDbName));

if ( IsDlgButtonChecked(hwnd, IDC_DBLIB) )
{
    Reg.eDB_Protocol = DBLIB;
    rc = 1;
}
else if ( IsDlgButtonChecked(hwnd, IDC_ODBC) )
{
    Reg.eDB_Protocol = ODBC;
    rc = 2;
}

if ( IsDlgButtonChecked(hwnd, IDC_TM_NONE) )
    Reg.eTxnMon = None;
else if ( IsDlgButtonChecked(hwnd, IDC_TM_TUXEDO) )
    Reg.eTxnMon = TUXEDO;
else if ( IsDlgButtonChecked(hwnd, IDC_TM_MTS) )
    Reg.eTxnMon = COM;
else if ( IsDlgButtonChecked(hwnd, IDC_TM_ENCINA) )
    Reg.eTxnMon = ENCINA;

iPoolThreadLimit = GetDlgItemInt(hwnd, ED_IIS_MAX_THREAD_POOL_LIMIT, &d,
FALSE);
iThreadTimeout = GetDlgItemInt(hwnd, ED_IIS_THREAD_TIMEOUT, &d, FALSE);
iListenBackLog = GetDlgItemInt(hwnd, ED_IIS_LISTEN_BACKLOG, &d, FALSE);
iAcceptExOutstanding = GetDlgItemInt(hwnd,
ED_WEB_SERVICE_BACKLOG_QUEUE_SIZE, &d, FALSE);

ShowWindow(hwnd, SW_HIDE);
hDlg = CreateDialog(hInst, MAKEINTRESOURCE(IDD_DIALOG3), hwnd,
CopyDlgProc);
ShowWindow(hDlg, SW_SHOWNA);
UpdateDialog(hDlg);

// write binaries to inetpub\wwwroot
rc = CopyFiles(hDlg, szDllPath);
if ( !rc )
{
    ShowWindow(hwnd, SW_SHOWNA);
    DestroyWindow(hDlg);
    strcpy( szErrTxt, "Error(s) occurred when creating " );
    strcat( szErrTxt, szLastFileName );
    MessageBox(hwnd, szErrTxt, NULL, MB_ICONSTOP | MB_OK);
    EndDialog(hwnd, 0);
}

```



```

        return;
    }

    // update registry
    SetDlgItemText(hDlg, IDC_STATUS, "Updating Registry.");
    SendDlgItemMessage(hDlg, IDC_PROGRESS1, PBM_STEPIT, 0, 0);
    UpdateDialog(hDlg);
    WriteRegistrySettings(szDllPath);

    // register com proxy stub
    strcpy(szFullName, szDllPath);
    strcat(szFullName, "tpcc_com_ps.dll");
    if (!RegisterDLL(szFullName))
    {
        ShowWindow(hwnd, SW_SHOWNA);
        DestroyWindow(hDlg);
        strcpy(szErrTxt, "Error occured when registering ");
        strcat(szErrTxt, szFullName);
        MessageBox(hwnd, szErrTxt, NULL, MB_ICONSTOP | MB_OK);
        EndDialog(hwnd, 0);
        return;
    }

    // if using COM
    if (Reg.eTxnMon == COM)
    {
        SetDlgItemText(hDlg, IDC_STATUS, "Configuring COM.");
        SendDlgItemMessage(hDlg, IDC_PROGRESS1, PBM_STEPIT, 0, 0);
        UpdateDialog(hDlg);

        if (install_com(szDllPath))
        {
            ShowWindow(hwnd, SW_SHOWNA);
            DestroyWindow(hDlg);
            strcpy(szErrTxt, "Error occured when configuring COM
settings.");
            MessageBox(hwnd, szErrTxt, NULL, MB_ICONSTOP | MB_OK);
            EndDialog(hwnd, 0);
            return;
        }
    }

    Sleep(100);

    ShowWindow(hwnd, SW_SHOWNA);
    DestroyWindow(hDlg);

    EndDialog(hwnd, rc);
    return;
}

static void ReadRegistrySettings(void)
{
    HKEY    hKey;
    DWORD   size;
    DWORD   type;

    if ( RegOpenKeyEx(HKEY_LOCAL_MACHINE,
"SYSTEM\\CurrentControlSet\\Services\\Inetinfo\\Parameters", 0, KEY_READ, &hKey) ==
ERROR_SUCCESS )
    {
        size = sizeof(iPoolThreadLimit);

```

```

        if ( RegQueryValueEx(hKey, "PoolThreadLimit", 0, &type, (char
*)&iPoolThreadLimit, &size) == ERROR_SUCCESS )
            if ( !iPoolThreadLimit )
                iPoolThreadLimit = iMaxPhysicalMemory * 2;

        size = sizeof(iThreadTimeout);
        if ( RegQueryValueEx(hKey, "ThreadTimeout", 0, &type, (char
*)&iThreadTimeout, &size) == ERROR_SUCCESS )
            if ( !iThreadTimeout )
                iThreadTimeout = 86400;

        size = sizeof(iListenBackLog);
        if ( RegQueryValueEx(hKey, "ListenBackLog", 0, &type, (char
*)&iListenBackLog, &size) == ERROR_SUCCESS )
            if ( !iListenBackLog )
                iListenBackLog = 15;

        RegCloseKey(hKey);
    }

    if ( RegOpenKeyEx(HKEY_LOCAL_MACHINE,
"SYSTEM\\CurrentControlSet\\Services\\W3SVC\\Parameters", 0, KEY_READ, &hKey) ==
ERROR_SUCCESS )
    {
        size = sizeof(iAcceptExOutstanding);
        if ( RegQueryValueEx(hKey, "AcceptExOutstanding", 0, &type,
(char *)&iAcceptExOutstanding, &size) == ERROR_SUCCESS )
            if ( !iAcceptExOutstanding )
                iAcceptExOutstanding = 40;

        RegCloseKey(hKey);
    }
}

static void WriteRegistrySettings(char *szDllPath)
{
    HKEY    hKey;
    DWORD   dwDisposition;
    char    szTmp[256];
    char    *ptr;
    int     iRc;

    if ( RegCreateKeyEx(HKEY_LOCAL_MACHINE, "SOFTWARE\\Microsoft\\TPCC", 0,
NULL, REG_OPTION_NON_VOLATILE, KEY_ALL_ACCESS, NULL, &hKey, &dwDisposition) ==
ERROR_SUCCESS )
    {
        strcpy(szTmp, szDllPath);
        ptr = strstr(szTmp, "tpcc");
        if ( ptr )
            *ptr = 0;

        RegSetValueEx(hKey, "Path", 0, REG_SZ, szTmp, strlen(szTmp)+1);

        RegSetValueEx(hKey, "NumberOfDeliveryThreads", 0, REG_DWORD,
(char *)&Reg.dwNumberOfDeliveryThreads, sizeof(Reg.dwNumberOfDeliveryThreads));
        RegSetValueEx(hKey, "MaxConnections", 0, REG_DWORD, (char
*)&Reg.dwMaxConnections, sizeof(Reg.dwMaxConnections));
        RegSetValueEx(hKey, "MaxPendingDeliveries", 0, REG_DWORD, (char
*)&Reg.dwMaxPendingDeliveries, sizeof(Reg.dwMaxPendingDeliveries));

        RegSetValueEx(hKey, "DB_Protocol", 0, REG_SZ,
szDBNames[Reg.eDB_Protocol], strlen(szDBNames[Reg.eDB_Protocol])+1);

```

```

        RegSetValueEx(hKey, "TxnMonitor", 0, REG_SZ,
szTxnMonNames[Reg.eTxnMon], strlen(szTxnMonNames[Reg.eTxnMon])+1);

        RegSetValueEx(hKey, "DbServer", 0, REG_SZ, Reg.szDbServer,
strlen(Reg.szDbServer)+1);
        RegSetValueEx(hKey, "DbName", 0, REG_SZ, Reg.szDbName,
strlen(Reg.szDbName)+1);
        RegSetValueEx(hKey, "DbUser", 0, REG_SZ, Reg.szDbUser,
strlen(Reg.szDbUser)+1);
        RegSetValueEx(hKey, "DbPassword", 0, REG_SZ, Reg.szDbPassword,
strlen(Reg.szDbPassword)+1);

        strcpy(szTmp, "YES");
        RegSetValueEx(hKey, "COM_SinglePool", 0, REG_SZ, szTmp,
strlen(szTmp)+1);

        RegFlushKey(hKey);
        RegCloseKey(hKey);
    }

    if ( (iRc=RegCreateKeyEx(HKEY_LOCAL_MACHINE,
"SYSTEM\\CurrentControlSet\\Services\\inetinfo\\Parameters", 0, NULL,
REG_OPTION_NON_VOLATILE, KEY_ALL_ACCESS, NULL, &hKey, &dwDisposition)) ==
ERROR_SUCCESS )
    {
        RegSetValueEx(hKey, "PoolThreadLimit", 0, REG_DWORD, (char
*)&iPoolThreadLimit, sizeof(iPoolThreadLimit));
        RegSetValueEx(hKey, "ThreadTimeout", 0, REG_DWORD, (char
*)&iThreadTimeout, sizeof(iThreadTimeout));
        RegSetValueEx(hKey, "ListenBackLog", 0, REG_DWORD, (char
*)&iListenBackLog, sizeof(iListenBackLog));

        RegFlushKey(hKey);
        RegCloseKey(hKey);
    }

    if ( (iRc=RegCreateKeyEx(HKEY_LOCAL_MACHINE,
"SYSTEM\\CurrentControlSet\\Services\\W3SVC\\Parameters", 0, NULL,
REG_OPTION_NON_VOLATILE, KEY_ALL_ACCESS, NULL, &hKey, &dwDisposition)) ==
ERROR_SUCCESS )
    {
        RegSetValueEx(hKey, "AcceptExOutstanding", 0, REG_DWORD, (char
*)&iAcceptExOutstanding, sizeof(iAcceptExOutstanding));

        RegFlushKey(hKey);
        RegCloseKey(hKey);
    }

    return;
}

BOOL CALLBACK CopyDlgProc(HWND hwnd, UINT uMsg, WPARAM wParam, LPARAM lParam)
{
    if ( uMsg == WM_INITDIALOG )
    {
        SendDlgItemMessage(hwnd, IDC_PROGRESS1, PBM_SETRANGE, 0,
MAKELPARAM(0, 15));
        SendDlgItemMessage(hwnd, IDC_PROGRESS1, PBM_SETSTEP, (WPARAM)1,
0);

        return TRUE;
    }
    return FALSE;
}

```

```

BOOL RegisterDLL(char *szFileName)
{
    HINSTANCE hLib;
    FARPROC      lpDllEntryPoint;

    hLib = LoadLibrary(szFileName);
    if ( hLib == NULL )
        return FALSE;
    // Find the entry point.
    lpDllEntryPoint = GetProcAddress(hLib, "DllRegisterServer");
    if (lpDllEntryPoint != NULL)
    {
        return ((*lpDllEntryPoint)()) == S_OK;
    }
    else
        return FALSE; //unable to locate entry point
}

BOOL FileFromResource( char *szResourceName, int iResourceId, char *szDllPath, char
*szFileName )
{
    HGLOBAL          hDLL;
    HRSRC            hResInfo;
    HANDLE           hFile;
    DWORD            dwSize;
    BYTE             *pSrc;
    DWORD            d;
    char             szFullName[256];

    hResInfo = FindResource(hInst, MAKEINTRESOURCE(iResourceId),
szResourceName);

    strcpy(szFullName, szDllPath);
    strcat(szFullName, szFileName);

    dwSize = SizeofResource(hInst, hResInfo);
    hDLL = LoadResource(hInst, hResInfo );
    pSrc = (BYTE *)LockResource(hDLL);
    remove(szFullName);

    if ( !hFile = CreateFile(szFullName, GENERIC_WRITE, 0, NULL,
CREATE_ALWAYS, FILE_ATTRIBUTE_NORMAL, NULL) )
        return FALSE;

    if ( !WriteFile(hFile, pSrc, dwSize, &d, NULL) )
        return FALSE;

    CloseHandle(hFile);

    UnlockResource(hDLL);
    FreeResource(hDLL);
    return TRUE;
}

static int CopyFiles(HWND hDlg, char *szDllPath)
{
    BOOL            bSvcRunning;

    bSvcRunning = CheckWWWWebService();
    if ( bSvcRunning )
    {
        SetDlgItemText(hDlg, IDC_STATUS, "Stopping Web Service.");
    }
}

```

```

        SendDlgItemMessage(hDlg, IDC_PROGRESS1, PBM_STEPIT, 0, 0);
        UpdateDialog(hDlg);

        StopWWWService();
        SendDlgItemMessage(hDlg, IDC_PROGRESS1, PBM_STEPIT, 0, 0);
        UpdateDialog(hDlg);
    }

    SetDlgItemText(hDlg, IDC_STATUS, "Copying Files...");
    SendDlgItemMessage(hDlg, IDC_PROGRESS1, PBM_STEPIT, 0, 0);
    UpdateDialog(hDlg);

    // install TPCC.DLL
    strcpy( szLastFileName, "tpcc.dll" );
    if (!FileFromResource( "TPCCDLL", IDR_TPCCDLL, szDllPath, szLastFileName
))
        return 0;
    SendDlgItemMessage(hDlg, IDC_PROGRESS1, PBM_STEPIT, 0, 0);
    UpdateDialog(hDlg);

    // install tpcc_dblib.dll
    strcpy( szLastFileName, "tpcc_dblib.dll" );
    if (!FileFromResource( "DBLIB_DLL", IDR_DBLIB_DLL, szDllPath,
szLastFileName ))
        return 0;
    SendDlgItemMessage(hDlg, IDC_PROGRESS1, PBM_STEPIT, 0, 0);
    UpdateDialog(hDlg);

    // install tpcc_odbc.dll
    strcpy( szLastFileName, "tpcc_odbc.dll" );
    if (!FileFromResource( "ODBC_DLL", IDR_ODBC_DLL, szDllPath, szLastFileName
))
        return 0;
    SendDlgItemMessage(hDlg, IDC_PROGRESS1, PBM_STEPIT, 0, 0);
    UpdateDialog(hDlg);

    // install tuxapp.exe
    strcpy( szLastFileName, "tuxapp.exe" );
    if (!FileFromResource( "TUXEDO_APP", IDR_TUXEDO_APP, szDllPath,
szLastFileName ))
        return 0;
    SendDlgItemMessage(hDlg, IDC_PROGRESS1, PBM_STEPIT, 0, 0);
    UpdateDialog(hDlg);

    // install tpcc_tuxedo.dll
    strcpy( szLastFileName, "tpcc_tuxedo.dll" );
    if (!FileFromResource( "TUXEDO_DLL", IDR_TUXEDO_DLL, szDllPath,
szLastFileName ))
        return 0;
    SendDlgItemMessage(hDlg, IDC_PROGRESS1, PBM_STEPIT, 0, 0);
    UpdateDialog(hDlg);

    // install tpcc_com.dll
    strcpy( szLastFileName, "tpcc_com.dll" );
    if (!FileFromResource( "COM_DLL", IDR_COM_DLL, szDllPath, szLastFileName
))
        return 0;
    SendDlgItemMessage(hDlg, IDC_PROGRESS1, PBM_STEPIT, 0, 0);
    UpdateDialog(hDlg);

    // install tpcc_com_ps.dll
    strcpy( szLastFileName, "tpcc_com_ps.dll" );

```

```

        if (!FileFromResource( "COM_PS_DLL", IDR_COMPS_DLL, szDllPath,
szLastFileName ))
            return 0;
        SendDlgItemMessage(hDlg, IDC_PROGRESS1, PBM_STEPIT, 0, 0);
        UpdateDialog(hDlg);

        // install tpcc_com_all.dll
        strcpy( szLastFileName, "tpcc_com_all.dll" );
        if (!FileFromResource( "COM_ALL_DLL", IDR_COMALL_DLL, szDllPath,
szLastFileName ))
            return 0;
        SendDlgItemMessage(hDlg, IDC_PROGRESS1, PBM_STEPIT, 0, 0);
        UpdateDialog(hDlg);

        //if we stopped service restart it.
        if ( bSvcRunning )
        {
            SetDlgItemText(hDlg, IDC_STATUS, "Starting Web Service.");
            SendDlgItemMessage(hDlg, IDC_PROGRESS1, PBM_STEPIT, 0, 0);
            UpdateDialog(hDlg);
            StartWWWService();
        }

        SendDlgItemMessage(hDlg, IDC_PROGRESS1, PBM_STEPIT, 0, 0);
        UpdateDialog(hDlg);

        return 1;
    }

    static BOOL GetInstallPath(char *szDllPath)
    {
        HKEY   hKey;
        BYTE   szData[256];
        DWORD  sv;
        BOOL   bRc;
        int    len;
        char   *ptr;
        int    iRc;

        szDllPath[0] = 0;
        bRc = TRUE;
        if ( RegOpenKeyEx(HKEY_LOCAL_MACHINE,
"SYSTEM\\CurrentControlSet\\Services\\W3SVC\\Parameters\\Virtual Roots", 0,
KEY_ALL_ACCESS, &hKey) == ERROR_SUCCESS )
        {
            sv = sizeof(szData);
            iRc = RegQueryValueEx( hKey, "/", NULL, NULL, szData, &sv );
            // used by IIS 3.0
            if (iRc == ERROR_FILE_NOT_FOUND)
                iRc = RegQueryValueEx( hKey, "/", NULL, NULL, szData,
&sv ); // used by IIS 4.0
            if (iRc == ERROR_SUCCESS)
            {
                bRc = FALSE;
                strcpy(szDllPath, szData);
                if ( (ptr = strchr(szDllPath, ',')) )
                    *ptr = 0;

                len = strlen(szDllPath);
                if ( szDllPath[len-1] != '\\\' )
                {
                    szDllPath[len] = '\\\' ;
                    szDllPath[len+1] = 0;
                }
            }
        }
    }

```

```

    }
    }
    RegCloseKey(hKey);
}
return bRc;
}

static void GetVersionInfo(char *szDLLPath, char *szExePath)
{
    DWORD          d;
    DWORD          dwSize;
    DWORD          dwBytes;
    char          *ptr;
    VS_FIXEDFILEINFO *vs;

    versionDllMS = 0;
    versionDllLS = 0;
    if ( _access(szDLLPath, 00) == 0 )
    {
        dwSize = GetFileVersionInfoSize(szDLLPath, &d);
        if ( dwSize )
        {
            ptr = (char *)malloc(dwSize);
            GetFileVersionInfo(szDLLPath, 0, dwSize, ptr);
            VerQueryValue(ptr, "\\",&vs, &dwBytes);
            versionDllMS = vs->dwProductVersionMS;
            versionDllLS = vs->dwProductVersionLS;
            free(ptr);
        }
    }

    versionExeMS = 0x7FFF;
    versionExeLS = 0x7FFF;
    dwSize = GetFileVersionInfoSize(szExePath, &d);
    if ( dwSize )
    {
        ptr = (char *)malloc(dwSize);
        GetFileVersionInfo(szExePath, 0, dwSize, ptr);
        VerQueryValue(ptr, "\\",&vs, &dwBytes);

        versionExeMS = vs->dwProductVersionMS;
        versionExeLS = LOWORD(vs->dwProductVersionLS);
        versionExeMM = HIWORD(vs->dwProductVersionLS);
        free(ptr);
    }
    return;
}

static BOOL CheckWWWebService(void)
{
    SC_HANDLE      schSCManager;
    SC_HANDLE      schService;
    SERVICE_STATUS ssStatus;

    schSCManager = OpenSCManager(NULL, NULL, SC_MANAGER_ALL_ACCESS);
    schService = OpenService(schSCManager, TEXT("W3SVC"), SERVICE_ALL_ACCESS);
    if (schService == NULL)
        return FALSE;

    if (! QueryServiceStatus(schService, &ssStatus) )
        goto ServiceNotRunning;
}

```

```

    if ( !ControlService(schService, SERVICE_CONTROL_STOP, &ssStatus) )
        goto ServiceNotRunning;
    //start Service pending, Check the status until the service is running.
    if (! QueryServiceStatus(schService, &ssStatus) )
        goto ServiceNotRunning;

    CloseServiceHandle(schService);
    return TRUE;

ServiceNotRunning:
    CloseServiceHandle(schService);
    return FALSE;
}

static BOOL StartWWWebService(void)
{
    SC_HANDLE      schSCManager;
    SC_HANDLE      schService;
    SERVICE_STATUS ssStatus;
    DWORD          dwOldCheckPoint;

    schSCManager = OpenSCManager(NULL, NULL, SC_MANAGER_ALL_ACCESS);
    schService = OpenService(schSCManager, TEXT("W3SVC"), SERVICE_ALL_ACCESS);
    if (schService == NULL)
        return FALSE;

    if (! StartService(schService, 0, NULL) )
        goto StartWWWebErr;
    //start Service pending, Check the status until the service is running.
    if (! QueryServiceStatus(schService, &ssStatus) )
        goto StartWWWebErr;
    while( ssStatus.dwCurrentState != SERVICE_RUNNING)
    {
        dwOldCheckPoint = ssStatus.dwCheckPoint;
        //Save the current checkpoint.
        Sleep(ssStatus.dwWaitHint);
        //Wait for the specified interval.
        if ( !QueryServiceStatus(schService, &ssStatus) ) //Check the
status again.
            break;
        if (dwOldCheckPoint >= ssStatus.dwCheckPoint)
            //Break if the checkpoint has not been incremented.
            break;
    }

    if (ssStatus.dwCurrentState == SERVICE_RUNNING)
        goto StartWWWebErr;

    CloseServiceHandle(schService);
    return TRUE;

StartWWWebErr:
    CloseServiceHandle(schService);
    return FALSE;
}

static BOOL StopWWWebService(void)
{
    SC_HANDLE      schSCManager;
    SC_HANDLE      schService;
}

```

```

SERVICE_STATUS      ssStatus;
DWORD                dwOldCheckPoint;

schSCManager = OpenSCManager(NULL, NULL, SC_MANAGER_ALL_ACCESS);
schService = OpenService(schSCManager, TEXT("W3SVC"), SERVICE_ALL_ACCESS);
if (schService == NULL)
    return FALSE;

if (! QueryServiceStatus(schService, &ssStatus) )
    goto StopWWWebErr;

if ( !ControlService(schService, SERVICE_CONTROL_STOP, &ssStatus) )
    goto StopWWWebErr;
//start Service pending, Check the status until the service is running.
if (! QueryServiceStatus(schService, &ssStatus) )
    goto StopWWWebErr;
while( ssStatus.dwCurrentState == SERVICE_RUNNING)
{
    dwOldCheckPoint = ssStatus.dwCheckPoint;
    //Save the current checkpoint.
    Sleep(ssStatus.dwWaitHint);
    //Wait for the specified interval.
    if ( !QueryServiceStatus(schService, &ssStatus) ) //Check the
status again.
        break;
    if (dwOldCheckPoint >= ssStatus.dwCheckPoint)
        //Break if the checkpoint has not been incremented.
        break;
}

if (ssStatus.dwCurrentState == SERVICE_RUNNING)
    goto StopWWWebErr;

CloseServiceHandle(schService);
return TRUE;

StopWWWebErr:
CloseServiceHandle(schService);
return FALSE;
}

static void UpdateDialog(HWND hDlg)
{
    MSG msg;

    UpdateWindow(hDlg);
    while( PeekMessage(&msg, hDlg, 0, 0, PM_REMOVE) )
    {
        TranslateMessage(&msg);
        DispatchMessage(&msg);
    }
    Sleep(250);
    return;
}

```

install.dsp

```

# Microsoft Developer Studio Project File - Name="install" - Package Owner=<4>
# Microsoft Developer Studio Generated Build File, Format Version 6.00
# ** DO NOT EDIT **

```

```

# TARGETTYPE "Win32 (x86) Application" 0x0101

CFG=install - Win32 Release
!MESSAGE This is not a valid makefile. To build this project using NMAKE,
!MESSAGE use the Export Makefile command and run
!MESSAGE
!MESSAGE NMAKE /f "install.mak".
!MESSAGE
!MESSAGE You can specify a configuration when running NMAKE
!MESSAGE by defining the macro CFG on the command line. For example:
!MESSAGE
!MESSAGE NMAKE /f "install.mak" CFG="install - Win32 Release"
!MESSAGE
!MESSAGE Possible choices for configuration are:
!MESSAGE
!MESSAGE "install - Win32 Release" (based on "Win32 (x86) Application")
!MESSAGE "install - Win32 Debug" (based on "Win32 (x86) Application")
!MESSAGE

# Begin Project
# PROP AllowPerConfigDependencies 0
# PROP Scc_ProjName ""
# PROP Scc_LocalPath ""
CPP=cl.exe
MTL=midl.exe
RSC=rc.exe

!IF "$(CFG)" == "install - Win32 Release"

# PROP BASE Use_MFC 0
# PROP BASE Use_Debug_Libraries 0
# PROP BASE Output_Dir ".\Release"
# PROP BASE Intermediate_Dir ".\Release"
# PROP BASE Target_Dir "."
# PROP Use_MFC 0
# PROP Use_Debug_Libraries 0
# PROP Output_Dir ".\bin"
# PROP Intermediate_Dir ".\obj"
# PROP Ignore_Export_Lib 0
# PROP Target_Dir "."
# ADD BASE CPP /nologo /W3 /GX /O2 /D "WIN32" /D "NDEBUG" /D "_WINDOWS" /YX /c
# ADD CPP /nologo /W3 /GX /O2 /D "WIN32" /D "NDEBUG" /D "_WINDOWS" /YX /FD /c
# ADD BASE MTL /nologo /D "NDEBUG" /win32
# ADD MTL /nologo /D "NDEBUG" /mktyplib203 /win32
# ADD BASE RSC /l 0x409 /d "NDEBUG"
# ADD RSC /l 0x409 /d "NDEBUG"
BSC32=bscmake.exe
# ADD BASE BSC32 /nologo
# ADD BSC32 /nologo
LINK32=link.exe
# ADD BASE LINK32 kernel32.lib user32.lib gdi32.lib winspool.lib comdlg32.lib
advapi32.lib shell32.lib ole32.lib oleaut32.lib uuid.lib odbccp32.lib
/nologo /subsystem:windows /machine:I386
# ADD LINK32 version.lib comctl32.lib kernel32.lib user32.lib gdi32.lib winspool.lib
comdlg32.lib advapi32.lib shell32.lib ole32.lib oleaut32.lib uuid.lib odbccp32.lib
odbccp32.lib /nologo /subsystem:windows /machine:I386 /out:..\bin\install.exe"

!ELSEIF "$(CFG)" == "install - Win32 Debug"

# PROP BASE Use_MFC 0
# PROP BASE Use_Debug_Libraries 1
# PROP BASE Output_Dir ".\Debug"
# PROP BASE Intermediate_Dir ".\Debug"

```

```

# PROP BASE Target_Dir "."
# PROP Use_MFC 0
# PROP Use_Debug_Libraries 1
# PROP Output_Dir ".\bin"
# PROP Intermediate_Dir ".\obj"
# PROP Ignore_Export_Lib 0
# PROP Target_Dir "."
# ADD BASE CPP /nologo /W3 /Gm /GX /ZI /Od /D "WIN32" /D "_DEBUG" /D "_WINDOWS" /YX
/c
# ADD CPP /nologo /W3 /Gm /GX /ZI /Od /D "WIN32" /D "_DEBUG" /D "_WINDOWS" /YX /FD
/c
# ADD BASE MTL /nologo /D "_DEBUG" /win32
# ADD MTL /nologo /D "_DEBUG" /mktyplib203 /win32
# ADD BASE RSC /1 0x409 /d "_DEBUG"
# ADD RSC /1 0x409 /d "_DEBUG"
BSC32=bscmake.exe
# ADD BASE BSC32 /nologo
# ADD BSC32 /nologo
LINK32=link.exe
# ADD BASE LINK32 kernel32.lib user32.lib gdi32.lib winspool.lib comdlg32.lib
advapi32.lib shell32.lib ole32.lib oleaut32.lib uuid.lib odbccp32.lib
/nologo /subsystem:windows /debug /machine:I386
# ADD LINK32 version.lib comctl32.lib kernel32.lib user32.lib gdi32.lib winspool.lib
comdlg32.lib advapi32.lib shell32.lib ole32.lib oleaut32.lib uuid.lib odbccp32.lib
odbccp32.lib /nologo /subsystem:windows /debug /machine:I386
/out:". \bin\install.exe"

!ENDIF

# Begin Target

# Name "install - Win32 Release"
# Name "install - Win32 Debug"
# Begin Group "Source Files"

# PROP Default_Filter "cpp;c;cxx;rc;def;r;odl;hpj;bat;for;f90"
# Begin Source File

SOURCE=.\src\install.c
# End Source File
# Begin Source File

SOURCE=.\src\install.rc
# ADD BASE RSC /1 0x409 /i "src"
# ADD RSC /1 0x409 /i "src" /i "..\src"
# End Source File
# Begin Source File

SOURCE=.\src\install_com.cpp
# End Source File
# End Group
# Begin Group "Header Files"

# PROP Default_Filter "h;hpp;hxx;hm;inl;fi;fd"
# End Group
# Begin Group "Resource Files"

# PROP Default_Filter "ico;cur;bmp;dlg;rc2;rct;bin;cnt;rtf;gif;jpg;jpeg;jpe"
# Begin Source File

SOURCE=.\SRC\ICON1.ICO
# End Source File
# Begin Source File

```

```

SOURCE=.\SRC\ICON2.ICO
# End Source File
# End Group
# Begin Source File

SOURCE=.\SRC\LICENSE.TXT
# End Source File
# Begin Source File

SOURCE=..\isapi_dll\bin\tpcc.dll
# End Source File
# Begin Source File

SOURCE=..\tm_com_dll\bin\tpcc_com.dll
# End Source File
# Begin Source File

SOURCE=..\tpcc_com_all\bin\tpcc_com_all.dll
# End Source File
# Begin Source File

SOURCE=..\tpcc_com_ps\bin\tpcc_com_ps.dll
# End Source File
# Begin Source File

SOURCE=..\db_dblib_dll\bin\tpcc_dblib.dll
# End Source File
# Begin Source File

SOURCE=..\db_odbc_dll\bin\tpcc_odbc.dll
# End Source File
# Begin Source File

SOURCE=..\tm_tuxedo_dll\bin\tpcc_tuxedo.dll
# End Source File
# Begin Source File

SOURCE=..\tuxapp\bin\tuxapp.exe
# End Source File
# End Target
# End Project

```

install.h

```

//{{NO_DEPENDENCIES}}
// Microsoft Developer Studio generated include file.
// Used by install.rc
//

#define IDD_DIALOG1 101
#define IDI_ICON1 102
#define IDR_TPCCDLL 103
#define IDD_DIALOG2 105
#define IDI_ICON2 106
#define IDR_DELIVERY 107
#define IDD_DIALOG3 108

#define BN_LOG 1001
#define ED_KEEP 1002
#define ED_THREADS 1003
#define ED_THREADS2 1004

```

```

#define IDC_PATH 1007
#define IDC_VERSION 1009
#define IDC_RESULTS 1010
#define IDC_PROGRESS1 1011
#define IDC_STATUS 1012
#define IDC_BUTTON1 1013
#define ED_MAXCONNECTION 1014
#define ED_IIS_MAX_THREAD_POOL_LIMIT 1015
#define ED_WEB_SERVICE_BACKLOG_QUEUE_SIZE 1017
#define ED_IIS_THREAD_TIMEOUT 1018
#define ED_IIS_LISTEN_BACKLOG 1019
#define IDC_DBLIB 1021
#define IDC_ODBC 1022
#define IDC_CONNECT_POOL 1023
#define ED_USER_CONNECT_DELAY_TIME 1024

```

```

// Next default values for new objects
//

```

install.rc

```

//Microsoft Developer Studio generated resource script.
//
#include "resource.h"

#define APSTUDIO_READONLY_SYMBOLS
//
// Generated from the TEXTINCLUDE 2 resource.
//
#include "afxres.h"

//
// English (U.S.) resources
//
#undef APSTUDIO_READONLY_SYMBOLS

//
// English (U.S.) resources
//
//
// Dialog
//
IDD_DIALOG1 DIALOGEX 0, 0, 219, 351
STYLE DS_MODALFRAME | DS_CENTER | WS_MINIMIZEBOX | WS_POPUP | WS_CAPTION |
WS_SYSMENU
CAPTION "TPC-C Web Client Installation Utility"
FONT 8, "MS Sans Serif"
BEGIN
EDITTEXT ED_THREADS,164,45,34,12,ES_RIGHT | ES_NUMBER,
WS_EX_RTLREADING
EDITTEXT ED_MAXDELIVERIES,164,59,34,12,ES_RIGHT | ES_NUMBER,
WS_EX_RTLREADING
EDITTEXT ED_MAXCONNECTION,164,73,34,12,ES_RIGHT | ES_NUMBER,
WS_EX_RTLREADING
CONTROL "None",IDC_TM_NONE,"Button",BS_AUTORADIOBUTTON |

```

```

WS_GROUP | WS_TABSTOP,43,100,33,10
CONTROL "COM",IDC_TM_MTS,"Button",BS_AUTORADIOBUTTON |
WS_TABSTOP,43,113,32,10
CONTROL "TUXEDO",IDC_TM_TUXEDO,"Button",BS_AUTORADIOBUTTON |
WS_TABSTOP,106,100,46,10
CONTROL "ENCINA",IDC_TM_ENCINA,"Button",BS_AUTORADIOBUTTON |
WS_DISABLED | WS_TABSTOP,106,113,43,10
EDITTEXT ED_DB_SERVER,131,152,67,12,ES_AUTOHSCROLL
EDITTEXT ED_DB_USER_ID,131,165,67,12,ES_AUTOHSCROLL
EDITTEXT ED_DB_PASSWORD,131,178,67,12,ES_AUTOHSCROLL
EDITTEXT ED_DB_NAME,131,191,67,12,ES_AUTOHSCROLL
CONTROL "DBLIB",IDC_DBLIB,"Button",BS_AUTORADIOBUTTON | WS_GROUP |
WS_TABSTOP,45,219,39,12
CONTROL "ODBC",IDC_ODBC,"Button",BS_AUTORADIOBUTTON | WS_TABSTOP,
91,219,39,12
EDITTEXT ED_IIS_MAX_THREAD_POOL_LIMIT,164,263,34,12,ES_RIGHT |
ES_NUMBER,WS_EX_RTLREADING
EDITTEXT ED_WEB_SERVICE_BACKLOG_QUEUE_SIZE,164,277,34,12,ES_RIGHT |
ES_NUMBER,WS_EX_RTLREADING
EDITTEXT ED_IIS_THREAD_TIMEOUT,164,291,34,12,ES_RIGHT | ES_NUMBER,
WS_EX_RTLREADING
EDITTEXT ED_IIS_LISTEN_BACKLOG,164,305,34,12,ES_RIGHT | ES_NUMBER,
WS_EX_RTLREADING
DEFPUSHBUTTON "OK",IDOK,53,331,50,14
PUSHBUTTON "Cancel",IDCANCEL,119,331,50,14
EDITTEXT IDC_PATH,106,26,91,13,ES_AUTOHSCROLL | ES_READONLY
LTEXT "Number of Delivery Threads:",IDC_STATIC,35,45,115,12
LTEXT "Max Number of Connections:",IDC_STATIC,35,73,115,12
RTEXT "Version 4.11",IDC_VERSION,120,4,89,9
LTEXT "IIS Max Thread Pool Limit:",IDC_STATIC,36,263,115,12
LTEXT "Web Service Backlog Queue Size:",IDC_STATIC,36,277,115,
12
LTEXT "IIS Thread Timeout (seconds):",IDC_STATIC,36,291,115,12
LTEXT "IIS Listen Backlog:",IDC_STATIC,36,307,115,10
GROUPBOX "Database Interface",IDC_STATIC,35,208,163,27,WS_GROUP
LTEXT "Installation directory:",IDC_STATIC,35,29,71,10
GROUPBOX "Transaction Monitor",IDC_STATIC,33,90,165,37
LTEXT "Server Name:",IDC_STATIC,35,155,56,8
LTEXT "User ID:",IDC_STATIC,35,168,60,8
LTEXT "User Password:",IDC_STATIC,35,181,83,8
LTEXT "Database Name:",IDC_STATIC,35,194,54,8
GROUPBOX "SQL Server Connection Properties",IDC_STATIC,22,139,187,
102
GROUPBOX "Web Client Properties",IDC_STATIC,22,15,187,118
GROUPBOX "IIS Settings",IDC_STATIC,22,247,187,79
LTEXT "Max Pending Deliveries:",IDC_STATIC,35,59,115,12
END

IDD_DIALOG2 DIALOGEX 0, 0, 117, 62
STYLE DS_SETFOREGROUND | DS_3DLOOK | DS_CENTER | WS_POPUP | WS_BORDER
EXSTYLE WS_EX_STATICEDGE
FONT 12, "MS Sans Serif", 0, 0, 0x1
BEGIN
DEFPUSHBUTTON "OK",IDOK,33,45,50,9
CTEXT "HTML TPC-C Installation Successful",IDC_RESULTS,7,22,
102,18,0,WS_EX_CLIENTEDGE
ICON IDI_ICON2,IDC_STATIC,50,7,18,20,SS_REALSIZEIMAGE,
WS_EX_TRANSPARENT
END

IDD_DIALOG3 DIALOG DISCARDABLE 0, 0, 91, 40
STYLE DS_SYSMODAL | DS_MODALFRAME | DS_3DLOOK | DS_CENTER | WS_CAPTION
CAPTION "Installing TPC-C Web Client"

```

```

FONT 12, "Arial Black"
BEGIN
CONTROL          "Progress1", IDC_PROGRESS1, "mctl1_progress32", WS_BORDER,
                 7,20,77,13
CTEXT            "Static", IDC_STATUS, 7,7,77,12, SS_SUNKEN
END

IDD_DIALOG4 DIALOG DISCARDABLE 0, 0, 291, 202
STYLE DS_MODALFRAME | DS_CENTER | WS_POPUP | WS_CAPTION | WS_SYSMENU
CAPTION "Client End User License"
FONT 8, "MS Sans Serif"
BEGIN
EDITTEXT        IDC_LICENSE, 7,7,271,167, ES_MULTILINE | ES_AUTOVSCROLL |
                 ES_AUTOHSCROLL | ES_READONLY | WS_VSCROLL | WS_HSCROLL
DEFPUSHBUTTON   "I &Agree", IDOK, 87,181,50,14
PUSHBUTTON      "&Cancel", IDCANCEL, 153,181,50,14
END

////////////////////////////////////
//
// DESIGNINFO
//

#ifdef APSTUDIO_INVOKED
GUIDELINES DESIGNINFO DISCARDABLE
BEGIN
IDD_DIALOG1, DIALOG
BEGIN
LEFTMARGIN, 22
RIGHTMARGIN, 209
VERTGUIDE, 35
VERTGUIDE, 198
TOPMARGIN, 4
BOTTOMMARGIN, 345
END

IDD_DIALOG2, DIALOG
BEGIN
LEFTMARGIN, 7
RIGHTMARGIN, 109
TOPMARGIN, 7
BOTTOMMARGIN, 54
END

IDD_DIALOG3, DIALOG
BEGIN
LEFTMARGIN, 7
RIGHTMARGIN, 84
TOPMARGIN, 7
BOTTOMMARGIN, 33
END

IDD_DIALOG4, DIALOG
BEGIN
LEFTMARGIN, 7
RIGHTMARGIN, 278
TOPMARGIN, 7
BOTTOMMARGIN, 195
END
END
#endif // APSTUDIO_INVOKED

```

```

#ifdef APSTUDIO_INVOKED
////////////////////////////////////
//
// TEXTINCLUDE
//

1 TEXTINCLUDE DISCARDABLE
BEGIN
"resource.h\0"
END

2 TEXTINCLUDE DISCARDABLE
BEGIN
#include "afxres.h"\r\n"
"\0"
END

3 TEXTINCLUDE DISCARDABLE
BEGIN
"\r\n"
"\0"
END

#endif // APSTUDIO_INVOKED

////////////////////////////////////
//
// Icon
//

// Icon with lowest ID value placed first to ensure application icon
// remains consistent on all systems.
IDI_ICON1          ICON          DISCARDABLE          "icon1.ico"
IDI_ICON2          ICON          DISCARDABLE          "icon2.ico"

////////////////////////////////////
//
// TPCDDL
//

IDR_TPCDDL          TPCDDL DISCARDABLE          "..\..\isapi_dll\bin\tpcc.dll"

#ifdef _MAC
////////////////////////////////////
//
// Version
//

VS_VERSION_INFO VERSIONINFO
FILEVERSION 0,4,20,0
PRODUCTVERSION 0,4,20,0
FILEFLAGSMASK 0x3fL
#ifdef _DEBUG
FILEFLAGS 0x1L
#else
FILEFLAGS 0x0L
#endif
FILEOS 0x40004L
FILETYPE 0x1L
FILESUBTYPE 0x0L
BEGIN

```



```

BLOCK "StringFileInfo"
BEGIN
  BLOCK "040904b0"
  BEGIN
    VALUE "Comments", "TPC-C Web Client Installer\0"
    VALUE "CompanyName", "Microsoft\0"
    VALUE "FileDescription", "install\0"
    VALUE "FileVersion", "0, 4, 20, 0\0"
    VALUE "InternalName", "install\0"
    VALUE "LegalCopyright", "Copyright © 1999\0"
    VALUE "OriginalFilename", "install.exe\0"
    VALUE "ProductName", "Microsoft install\0"
    VALUE "ProductVersion", "0, 4, 20, 0\0"
  END
END
BLOCK "VarFileInfo"
BEGIN
  VALUE "Translation", 0x409, 1200
END
END

#endif // !_MAC

////////////////////////////////////
//
// LICENSE
//
IDR_LICENSE1          LICENSE DISCARDABLE    "license.txt"

////////////////////////////////////
//
// DBLIB_DLL
//
IDR_DBLIB_DLL         DBLIB_DLL DISCARDABLE
"..\\..\\db_dblib_dll\\bin\\tpcc_dblib.dll"

////////////////////////////////////
//
// ODBC_DLL
//
IDR_ODBC_DLL          ODBC_DLL DISCARDABLE
"..\\..\\db_odbc_dll\\bin\\tpcc_odbc.dll"

////////////////////////////////////
//
// TUXEDO_APP
//
IDR_TUXEDO_APP        TUXEDO_APP DISCARDABLE "..\\..\\tuxapp\\bin\\tuxapp.exe"

////////////////////////////////////
//
// TUXEDO_DLL
//
IDR_TUXEDO_DLL        TUXEDO_DLL DISCARDABLE
"..\\..\\tm_tuxedo_dll\\bin\\tpcc_tuxedo.dll"

////////////////////////////////////

```

```

//
// COM_DLL
//
IDR_COM_DLL           COM_DLL DISCARDABLE
"..\\..\\tm_com_dll\\bin\\tpcc_com.dll"

////////////////////////////////////
//
// COM_PS_DLL
//
IDR_COMPS_DLL         COM_PS_DLL DISCARDABLE
"..\\..\\tpcc_com_ps\\bin\\tpcc_com_ps.dll"

////////////////////////////////////
//
// COM_ALL_DLL
//
IDR_COMALL_DLL        COM_ALL_DLL DISCARDABLE
"..\\..\\tpcc_com_all\\bin\\tpcc_com_all.dll"
#endif // English (U.S.) resources

////////////////////////////////////

#ifndef APSTUDIO_INVOKED
////////////////////////////////////
//
// Generated from the TEXTINCLUDE 3 resource.
//

////////////////////////////////////
#endif // not APSTUDIO_INVOKED


```

install_com.cpp

```

/* FILE:          INSTALL_COM.CPP
 *               Microsoft TPC-C Kit Ver. 4.20.000
 *               Copyright Microsoft, 1999
 *
 *               All Rights Reserved
 *
 *               not audited
 *
 * PURPOSE:       installation code for COM application for TPC-C Web Kit
 * Contact:       Charles Levine (clevine@microsoft.com)
 *
 * Change history:
 *               4.20.000 - first version
 */

#define _WIN32_WINNT 0x0500

#include <comdef.h>
#include <comadmin.h>
#include <stdio.h>
#include <tchar.h>

extern "C"

```

```

{
    BOOL install_com(char *szDllPath);
}

BOOL install_com(char *szDllPath)
{
    ICOMAdminCatalog* pCOMAdminCat = NULL;
    ICatalogCollection* pCatalogCollectionApp = NULL;
    ICatalogCollection* pCatalogCollectionCo = NULL;
    ICatalogCollection* pCatalogCollectionItf = NULL;
    ICatalogCollection* pCatalogCollectionMethod = NULL;

    ICatalogObject* pCatalogObjectApp = NULL;
    ICatalogObject* pCatalogObjectCo = NULL;
    ICatalogObject* pCatalogObjectItf = NULL;
    ICatalogObject* pCatalogObjectMethod = NULL;

    _bstr_t bstrTemp, bstrTemp2, bstrTemp3,
bstrTemp4;
    _bstr_t bstrDllPath = szDllPath;
    _variant_t vTmp, vKey;
    long lActProp, lCount, lCountCo,
lCountItf, lCountMethod;
    bool bTmp;

    CoInitializeEx(NULL, COINIT_MULTITHREADED);

    HRESULT hr = CoCreateInstance(CLSID_COMAdminCatalog,
NULL,
CLSCTX_INPROC_SERVER,
IID_ICOMAdminCatalog,
(void**) &pCOMAdminCat);

    if (!SUCCEEDED(hr)) goto Error;

    bstrTemp = "Applications";

    // Attempt to connect to "Applications" in the Catalog
    hr = pCOMAdminCat->GetCollection(bstrTemp,
(IDispatch**) &pCatalogCollectionApp);
    if (!SUCCEEDED(hr)) goto Error;

    // Attempt to load the "Applications" collection
    hr = pCatalogCollectionApp->Populate();
    if (!SUCCEEDED(hr)) goto Error;

    hr = pCatalogCollectionApp->get_Count(&lCount);
    if (!SUCCEEDED(hr)) goto Error;

    // iterate through applications to delete existing "TPC-C" application (if
any)
    while (lCount > 0)
    {
        hr = pCatalogCollectionApp->get_Item(lCount - 1, (IDispatch**)
&pCatalogObjectApp);
        if (!SUCCEEDED(hr)) goto Error;

```

```

        hr = pCatalogObjectApp->get_Name(&vTmp);
        if (!SUCCEEDED(hr)) goto Error;

        if (wcsncmp(vTmp.bstrVal, L"TPC-C"))
        {
            lCount--;
            continue;
        }
        else
        {
            hr = pCatalogCollectionApp->Remove(lCount - 1);
            if (!SUCCEEDED(hr)) goto Error;
            break;
        }
    }

    hr = pCatalogCollectionApp->SaveChanges(&lActProp);
    if (!SUCCEEDED(hr)) goto Error;

    // add the new application
    hr = pCatalogCollectionApp->Add((IDispatch**) &pCatalogObjectApp);
    if (!SUCCEEDED(hr)) goto Error;

    // set properties
    bstrTemp = "Name";
    vTmp = "TPC-C";
    hr = pCatalogObjectApp->put_Value(bstrTemp, vTmp);
    if (!SUCCEEDED(hr)) goto Error;

    // set as a library (in process) application
    bstrTemp = "Activation";
    lActProp = COMAdminActivationInproc;
    vTmp = lActProp;
    hr = pCatalogObjectApp->put_Value(bstrTemp, vTmp);
    if (!SUCCEEDED(hr)) goto Error;

    // set security level to process
    bstrTemp = "AccessChecksLevel";
    lActProp = COMAdminAccessChecksApplicationLevel;
    vTmp = lActProp;
    hr = pCatalogObjectApp->put_Value(bstrTemp, vTmp);
    if (!SUCCEEDED(hr)) goto Error;

    // save key to get the Components collection later
    hr = pCatalogObjectApp->get_Key(&vKey);
    if (!SUCCEEDED(hr)) goto Error;

    // save changes (app creation) so component installation will work
    hr = pCatalogCollectionApp->SaveChanges(&lActProp);
    if (!SUCCEEDED(hr)) goto Error;

    pCatalogObjectApp->Release();
    pCatalogObjectApp = NULL;

    bstrTemp = "TPC-C"; // app name
    bstrTemp2 = bstrDllPath + "tpcc_com_all.dll"; //
DLL
    bstrTemp3 = "";
    // type library (TLB)
    bstrTemp4 = bstrDllPath + "tpcc_com_ps.dll"; //
proxy/stub dll

    hr = pCOMAdminCat->InstallComponent(bstrTemp,

```

```

        bstrTemp2,
        bstrTemp3,
        bstrTemp4);
    if (!SUCCEEDED(hr)) goto Error;

    bstrTemp = "Components";
    hr = pCatalogCollectionApp->GetCollection(bstrTemp, vKey, (IDispatch**)
    &pCatalogCollectionCo);
    if (!SUCCEEDED(hr)) goto Error;

    hr = pCatalogCollectionCo->Populate();
    if (!SUCCEEDED(hr)) goto Error;

    hr = pCatalogCollectionCo->get_Count(&lCountCo);
    if (!SUCCEEDED(hr)) goto Error;

    // iterate through components in application and set the properties
    while (lCountCo > 0)
    {
        hr = pCatalogCollectionCo->get_Item(lCountCo - 1, (IDispatch**)
    &pCatalogObjectCo);
        if (!SUCCEEDED(hr)) goto Error;

        // used for debugging (view the name)
        hr = pCatalogObjectCo->get_Name(&vTmp);
        if (!SUCCEEDED(hr)) goto Error;

        bstrTemp = "ConstructionEnabled";
        bTmp = TRUE;
        vTmp = bTmp;
        hr = pCatalogObjectCo->put_Value(bstrTemp, vTmp);
        if (!SUCCEEDED(hr)) goto Error;

        bstrTemp = "ConstructorString";
        bstrTemp2 = "dummy string (do not remove)";
        vTmp = bstrTemp2;
        hr = pCatalogObjectCo->put_Value(bstrTemp, vTmp);
        if (!SUCCEEDED(hr)) goto Error;

        bstrTemp = "JustInTimeActivation";
        bTmp = TRUE;
        vTmp = bTmp;
        hr = pCatalogObjectCo->put_Value(bstrTemp, vTmp);
        if (!SUCCEEDED(hr)) goto Error;

        bstrTemp = "MaxPoolSize";
        vTmp.Clear(); // clear variant so it isn't stored as a
    bool (_variant_t feature)
        vTmp = (long)30;
        hr = pCatalogObjectCo->put_Value(bstrTemp, vTmp);
        if (!SUCCEEDED(hr)) goto Error;

        bstrTemp = "ObjectPoolingEnabled";
        bTmp = TRUE;
        vTmp = bTmp;
        hr = pCatalogObjectCo->put_Value(bstrTemp, vTmp);
        if (!SUCCEEDED(hr)) goto Error;

```

```

    // save key to get the InterfacesForComponent collection
    hr = pCatalogObjectCo->get_Key(&vKey);
    if (!SUCCEEDED(hr)) goto Error;

    bstrTemp = "InterfacesForComponent";
    hr = pCatalogCollectionCo->GetCollection(bstrTemp, vKey,
    (IDispatch**) &pCatalogCollectionItf);
    if (!SUCCEEDED(hr)) goto Error;

    hr = pCatalogCollectionItf->Populate();
    if (!SUCCEEDED(hr)) goto Error;

    hr = pCatalogCollectionItf->get_Count(&lCountItf);
    if (!SUCCEEDED(hr)) goto Error;

    // iterate through interfaces in component
    while (lCountItf > 0)
    {
        hr = pCatalogCollectionItf->get_Item(lCountItf - 1,
    (IDispatch**) &pCatalogObjectItf);
        if (!SUCCEEDED(hr)) goto Error;

        // save key to get the MethodsForInterface collection
        hr = pCatalogObjectItf->get_Key(&vKey);
        if (!SUCCEEDED(hr)) goto Error;

        bstrTemp = "MethodsForInterface";
        hr = pCatalogCollectionItf->GetCollection(bstrTemp,
    vKey, (IDispatch**) &pCatalogCollectionMethod);
        if (!SUCCEEDED(hr)) goto Error;

        hr = pCatalogCollectionMethod->Populate();
        if (!SUCCEEDED(hr)) goto Error;

        hr = pCatalogCollectionMethod->
    >get_Count(&lCountMethod);
        if (!SUCCEEDED(hr)) goto Error;

        // iterate through methods of interface
        while (lCountMethod > 0)
        {
            hr = pCatalogCollectionMethod->
    >get_Item(lCountMethod - 1, (IDispatch**) &pCatalogObjectMethod);
            if (!SUCCEEDED(hr)) goto Error;

            bstrTemp = "AutoComplete";
            bTmp = TRUE;
            vTmp = bTmp;
            hr = pCatalogObjectMethod->
    >put_Value(bstrTemp, vTmp);
            if (!SUCCEEDED(hr)) goto Error;

            pCatalogObjectMethod->Release();
            pCatalogObjectMethod = NULL;

            lCountMethod--;
        }

        // save changes
        hr = pCatalogCollectionMethod->SaveChanges(&lActProp);
        if (!SUCCEEDED(hr)) goto Error;

```

```

        pCatalogObjectItf->Release();
        pCatalogObjectItf = NULL;

        lCountItf--;
    }

    pCatalogObjectCo->Release();
    pCatalogObjectCo = NULL;

    lCountCo--;
}

// save changes
hr = pCatalogCollectionCo->SaveChanges(&lActProp);
if (!SUCCEEDED(hr)) goto Error;

pCatalogCollectionApp->Release();
pCatalogCollectionApp = NULL;

pCatalogCollectionCo->Release();
pCatalogCollectionCo = NULL;

pCatalogCollectionItf->Release();
pCatalogCollectionItf = NULL;

pCatalogCollectionMethod->Release();
pCatalogCollectionMethod = NULL;

Error:
    CoUninitialize();

    if (!SUCCEEDED(hr))
    {
        LPTSTR lpBuf;
        DWORD dwRes = FormatMessage(FORMAT_MESSAGE_ALLOCATE_BUFFER |
FORMAT_MESSAGE_FROM_SYSTEM,
        NULL,
        hr,
        MAKELANGID(LANG_NEUTRAL, SUBLANG_DEFAULT),
        (LPTSTR) &lpBuf,
        0,
        NULL);
        //      _tprintf(_T("Error adding components. HRESULT: 0x%x\n%s"), hr,
lpBuf);
    }
    return TRUE;
}
else
    return FALSE;
}

```

install_resource.h

```

//{{NO_DEPENDENCIES}}
// Microsoft Developer Studio generated include file.
// Used by install.rc
//
#define IDD_DIALOG1 101
#define IDI_ICON1 102
#define IDR_TPCCDLL 103
#define IDD_DIALOG2 105
#define IDI_ICON2 106
#define IDR_DELIVERY 107
#define IDD_DIALOG3 108
#define IDR_LICENSE1 112
#define IDD_DIALOG4 113
#define IDR_TPCCOBJ1 117
#define IDR_TPCCSTUB1 118
#define IDR_DBLIB_DLL 122
#define IDR_ODBC_DLL 123
#define IDR_TUXEDO_APP 124
#define IDR_TUXEDO_DLL 125
#define IDR_COM_DLL 126
#define IDR_COMPS_DLL 127
#define IDR_COMALL_DLL 128
#define BN_LOG 1001
#define ED_KEEP 1002
#define ED_THREADS 1003
#define ED_THREADS2 1004
#define IDC_PATH 1007
#define IDC_VERSION 1009
#define IDC_RESULTS 1010
#define IDC_PROGRESS1 1011
#define IDC_STATUS 1012
#define IDC_BUTTON1 1013
#define ED_MAXCONNECTION 1014
#define ED_IIS_MAX_THREAD_POOL_LIMIT 1015
#define ED_MAXDELIVERIES 1016
#define ED_WEB_SERVICE_BACKLOG_QUEUE_SIZE 1017
#define ED_IIS_THREAD_TIMEOUT 1018
#define ED_IIS_LISTEN_BACKLOG 1019
#define IDC_DBLIB 1021
#define IDC_LICENSE 1022
#define IDC_ODBC 1022
#define IDC_CONNECT_POOL 1023
#define ED_DB_SERVER 1023
#define ED_USER_CONNECT_DELAY_TIME 1024
#define ED_DB_USER_ID 1024
#define IDC_MTS 1025
#define IDC_TM_MTS 1025
#define IDC_TM_TUXEDO 1026
#define IDC_TM_NONE 1027
#define ED_DB_PASSWORD 1028
#define ED_DB_NAME 1029
#define IDC_TM_ENCINA 1030

// Next default values for new objects
//
#ifdef APSTUDIO_INVOKED
#ifndef APSTUDIO_READONLY_SYMBOLS
#define _APS_NEXT_RESOURCE_VALUE 129
#define _APS_NEXT_COMMAND_VALUE 40001
#define _APS_NEXT_CONTROL_VALUE 1024
#define _APS_NEXT_SYMED_VALUE 101
#endif
#endif

```

isapi_dll.dsp

```
# Microsoft Developer Studio Project File - Name="isapi_dll" - Package Owner=<4>
# Microsoft Developer Studio Generated Build File, Format Version 6.00
# ** DO NOT EDIT **
```

```
# TARGETTYPE "Win32 (x86) Dynamic-Link Library" 0x0102
```

```
CFG=isapi_dll - Win32 IceCAP
!MESSAGE This is not a valid makefile. To build this project using NMAKE,
!MESSAGE use the Export Makefile command and run
!MESSAGE
!MESSAGE NMAKE /f "isapi_dll.mak".
!MESSAGE
!MESSAGE You can specify a configuration when running NMAKE
!MESSAGE by defining the macro CFG on the command line. For example:
!MESSAGE
!MESSAGE NMAKE /f "isapi_dll.mak" CFG="isapi_dll - Win32 IceCAP"
!MESSAGE
!MESSAGE Possible choices for configuration are:
!MESSAGE
!MESSAGE "isapi_dll - Win32 Release" (based on "Win32 (x86) Dynamic-Link Library")
!MESSAGE "isapi_dll - Win32 Debug" (based on "Win32 (x86) Dynamic-Link Library")
!MESSAGE "isapi_dll - Win32 IceCAP" (based on "Win32 (x86) Dynamic-Link Library")
!MESSAGE
```

```
# Begin Project
# PROP AllowPerConfigDependencies 0
# PROP Scc_ProjName ""
# PROP Scc_LocalPath ""
CPP=cl.exe
MTL=midl.exe
RSC=rc.exe
```

```
!IF "$(CFG)" == "isapi_dll - Win32 Release"
```

```
# PROP BASE Use_MFC 0
# PROP BASE Use_Debug_Libraries 0
# PROP BASE Output_Dir "Release"
# PROP BASE Intermediate_Dir "Release"
# PROP BASE Target_Dir ""
# PROP Use_MFC 0
# PROP Use_Debug_Libraries 0
# PROP Output_Dir ".\bin"
# PROP Intermediate_Dir ".\obj"
# PROP Ignore_Export_Lib 0
# PROP Target_Dir ""
# ADD BASE CPP /nologo /MT /W3 /GX /O2 /D "WIN32" /D "NDEBUG" /D "_WINDOWS" /YX /FD /c
# ADD CPP /nologo /MD /W3 /GX /O2 /D "NDEBUG" /D "WIN32" /D "_WINDOWS" /YX /FD /c
# ADD BASE MTL /nologo /D "NDEBUG" /mktyplib203 /o "NUL" /win32
# ADD MTL /nologo /D "NDEBUG" /mktyplib203 /o "NUL" /win32
# ADD BASE RSC /1 0x409 /d "NDEBUG"
# ADD RSC /1 0x409 /d "NDEBUG"
BSC32=bscmake.exe
# ADD BASE BSC32 /nologo
# ADD BSC32 /nologo
LINK32=link.exe
# ADD BASE LINK32 kernel32.lib user32.lib gdi32.lib winspool.lib comdlg32.lib
advapi32.lib shell32.lib ole32.lib oleaut32.lib uuid.lib odbc32.lib odbccp32.lib
/nologo /subsystem:windows /dll /machine:I386
```

```
# ADD LINK32 ..\common\txnlog\lib\release\rtetime.lib
..\common\txnlog\lib\release\spinlock.lib ..\common\txnlog\lib\release\error.lib
..\common\txnlog\lib\release\txnlog.lib wsock32.lib kernel32.lib user32.lib
gdi32.lib winspool.lib comdlg32.lib advapi32.lib shell32.lib ole32.lib oleaut32.lib
uuid.lib odbc32.lib odbccp32.lib /nologo /subsystem:windows /dll /machine:I386
/nodefaultlib:"LIBCMT" /out:".bin\tpcc.dll"
# SUBTRACT LINK32 /nodefaultlib
```

```
!ELSEIF "$(CFG)" == "isapi_dll - Win32 Debug"
```

```
# PROP BASE Use_MFC 0
# PROP BASE Use_Debug_Libraries 1
# PROP BASE Output_Dir "Debug"
# PROP BASE Intermediate_Dir "Debug"
# PROP BASE Target_Dir ""
# PROP Use_MFC 0
# PROP Use_Debug_Libraries 1
# PROP Output_Dir ".\bin"
# PROP Intermediate_Dir ".\obj"
# PROP Ignore_Export_Lib 0
# PROP Target_Dir ""
# ADD BASE CPP /nologo /MTd /W3 /Gm /GX /Zi /Od /D "WIN32" /D "_DEBUG" /D "_WINDOWS"
/YX /FD /c
# ADD CPP /nologo /MDd /W3 /GX /ZI /Od /D "_DEBUG" /D "WIN32" /D "_WINDOWS" /FR /YX
/FD /c
# ADD BASE MTL /nologo /D "_DEBUG" /mktyplib203 /o "NUL" /win32
# ADD MTL /nologo /D "_DEBUG" /mktyplib203 /o "NUL" /win32
# ADD BASE RSC /1 0x409 /d "DEBUG"
# ADD RSC /1 0x409 /d "DEBUG"
BSC32=bscmake.exe
# ADD BASE BSC32 /nologo
# ADD BSC32 /nologo
LINK32=link.exe
# ADD BASE LINK32 kernel32.lib user32.lib gdi32.lib winspool.lib comdlg32.lib
advapi32.lib shell32.lib ole32.lib oleaut32.lib uuid.lib odbc32.lib odbccp32.lib
/nologo /subsystem:windows /dll /debug /machine:I386 /pdbtype:sept
# ADD LINK32 ..\common\txnlog\lib\debug\rtetime.lib
..\common\txnlog\lib\debug\spinlock.lib ..\common\txnlog\lib\debug\error.lib
..\common\txnlog\lib\debug\txnlog.lib wsock32.lib kernel32.lib user32.lib gdi32.lib
winspool.lib comdlg32.lib advapi32.lib shell32.lib ole32.lib oleaut32.lib uuid.lib
odbc32.lib odbccp32.lib /nologo /subsystem:windows /dll /debug /machine:I386
/nodefaultlib:"LIBCMTD" /out:".bin\tpcc.dll" /pdbtype:sept
# SUBTRACT LINK32 /profile /pdb:none /nodefaultlib
```

```
!ELSEIF "$(CFG)" == "isapi_dll - Win32 IceCAP"
```

```
# PROP BASE Use_MFC 0
# PROP BASE Use_Debug_Libraries 1
# PROP BASE Output_Dir "isapi_dll"
# PROP BASE Intermediate_Dir "isapi_dll"
# PROP BASE Ignore_Export_Lib 0
# PROP BASE Target_Dir ""
# PROP Use_MFC 0
# PROP Use_Debug_Libraries 1
# PROP Output_Dir ".\bin"
# PROP Intermediate_Dir ".\obj"
# PROP Ignore_Export_Lib 0
# PROP Target_Dir ""
# ADD BASE CPP /nologo /MDd /W3 /GX /Zi /Od /D "_DEBUG" /D "WIN32" /D "_WINDOWS" /FR
/YX /FD /Gh /c
# ADD CPP /nologo /MD /W3 /GX /Zi /O2 /D "NDEBUG" /D "ICECAP" /D "WIN32" /D
"_WINDOWS" /FR /YX /FD /Gh /c
# ADD BASE MTL /nologo /D "_DEBUG" /mktyplib203 /o "NUL" /win32
```

```

# ADD MTL /nologo /D " _DEBUG" /mktyplib203 /o "NUL" /win32
# ADD BASE RSC /1 0x409 /d " _DEBUG"
# ADD RSC /1 0x409 /d " _DEBUG"
BSC32=bscmake.exe
# ADD BASE BSC32 /nologo
# ADD BSC32 /nologo
LINK32=link.exe
# ADD BASE LINK32 kernel32.lib user32.lib gdi32.lib winspool.lib comdlg32.lib
advapi32.lib shell32.lib ole32.lib oleaut32.lib uuid.lib odbcc32.lib odbccp32.lib
/nologo /subsystem:windows /dll /debug /machine:I386 /out:".bin\tpcc.dll"
/pdbtype:sept
# SUBTRACT BASE LINK32 /profile /pdb:none
# ADD LINK32 icap.lib ..\common\txnlog\lib\release\rtetime.lib
..\common\txnlog\lib\release\spinlock.lib ..\common\txnlog\lib\release\error.lib
..\common\txnlog\lib\release\txnlog.lib wsock32.lib kernel32.lib user32.lib
gdi32.lib winspool.lib comdlg32.lib advapi32.lib shell32.lib ole32.lib oleaut32.lib
uuid.lib odbcc32.lib odbccp32.lib /nologo /subsystem:windows /dll /debug
/machine:I386 /out:".bin\tpcc.dll" /pdbtype:sept
# SUBTRACT LINK32 /profile /pdb:none /map

!ENDIF

# Begin Target

# Name "isapi_dll - Win32 Release"
# Name "isapi_dll - Win32 Debug"
# Name "isapi_dll - Win32 IceCAP"
# Begin Group "Source"

# PROP Default_Filter "*.cpp, *.def, *.rc"
# Begin Source File

SOURCE=..\src\tpcc.cpp
# End Source File
# Begin Source File

SOURCE=..\src\tpcc.def
# End Source File
# Begin Source File

SOURCE=..\src\tpcc.rc
# End Source File
# End Group
# Begin Group "Header Files"

# PROP Default_Filter "*.h, *.hpp"
# Begin Source File

SOURCE=..\common\src\error.h
# End Source File
# Begin Source File

SOURCE=..\common\src\ReadRegistry.h
# End Source File
# Begin Source File

SOURCE=..\src\tpcc.h
# End Source File
# Begin Source File

SOURCE=..\db_dblib_dll\src\tpcc_dblib.h
# End Source File
# Begin Source File

```

```

SOURCE=..\db_odbc_dll\src\tpcc_odbc.h
# End Source File
# Begin Source File

SOURCE=..\tm_tuxedo_dll\src\tpcc_tux.h
# End Source File
# Begin Source File

SOURCE=..\common\src\trans.h
# End Source File
# Begin Source File

SOURCE=..\common\src\txn_base.h
# End Source File
# End Group
# End Target
# End Project

```

isapi_dll_resource.h

```

//{{NO_DEPENDENCIES}}
// Microsoft Developer Studio generated include file.
// Used by tpcc.rc
//
#define IDD_DIALOG1 101

// Next default values for new objects
//
#ifdef APSTUDIO_INVOKED
#ifndef APSTUDIO_READONLY_SYMBOLS
#define _APS_NEXT_RESOURCE_VALUE 102
#define _APS_NEXT_COMMAND_VALUE 40001
#define _APS_NEXT_CONTROL_VALUE 1000
#define _APS_NEXT_SYMED_VALUE 101
#endif
#endif

```

readregistry.cpp

```

/* FILE: READREGISTRY.CPP
 * Microsoft TPC-C Kit Ver. 4.20.000
 * Copyright Microsoft, 1999
 *
 * All Rights Reserved
 *
 * not yet audited
 *
 * PURPOSE: Implementation for TPC-C Tuxedo class.
 * Contact: Charles Levine (clevine@microsoft.com)
 *
 * Change history:
 * 4.20.000 - first version
 */

/* FUNCTION: ReadTPCCRegistrySettings
 *
 * PURPOSE: This function reads the NT registry for startup parameters.
 * There parameters are
 * under the TPCC key.
 */

```

```

* RETURNS          FALSE = no errors
*                  TRUE  = error reading registry
*/
BOOL ReadTPCCRegistrySettings( TPCCREGISTRYDATA *pReg )
{
    HKEY      hKey;
    DWORD    size;
    DWORD    type;
    DWORD    dwTmp;
    char      szTmp[256];

    if ( RegOpenKeyEx(HKEY_LOCAL_MACHINE, "SOFTWARE\\Microsoft\\TPCC", 0,
KEY_READ, &hKey) != ERROR_SUCCESS )
        return TRUE;

    // determine database protocol to use; may be either ODBC or DBLIB
    pReg->eDB_Protocol = Unspecified;
    size = sizeof(szTmp);
    if ( RegQueryValueEx(hKey, "DB_Protocol", 0, &type, (BYTE *)&szTmp, &size)
== ERROR_SUCCESS )
    {
        if ( !strcmp(szTmp, szDBNames[ODBC]) )
            pReg->eDB_Protocol = ODBC;
        else if ( !strcmp(szTmp, szDBNames[DBLIB]) )
            pReg->eDB_Protocol = DBLIB;
    }

    pReg->eTxnMon = None;
    // determine txn monitor to use; may be either TUXEDO, or blank
    size = sizeof(szTmp);
    if ( RegQueryValueEx(hKey, "TxnMonitor", 0, &type, (BYTE *)&szTmp, &size)
== ERROR_SUCCESS )
    {
        if ( !strcmp(szTmp, szTxnMonNames[TUXEDO]) )
            pReg->eTxnMon = TUXEDO;
        else if ( !strcmp(szTmp, szTxnMonNames[ENCINA]) )
            pReg->eTxnMon = ENCINA;
        else if ( !strcmp(szTmp, szTxnMonNames[COM]) )
            pReg->eTxnMon = COM;
    }

    pReg->bCOM_SinglePool = FALSE;
    size = sizeof(szTmp);
    if ( RegQueryValueEx(hKey, "COM_SinglePool", 0, &type, (BYTE *)&szTmp,
&size) == ERROR_SUCCESS )
    {
        if ( !strcmp(szTmp, "YES") )
            pReg->bCOM_SinglePool = TRUE;
    }

    pReg->dwMaxConnections = 0;
    size = sizeof(dwTmp);
    if ( ( RegQueryValueEx(hKey, "MaxConnections", 0, &type, (LPBYTE)&dwTmp,
&size) == ERROR_SUCCESS )
        && (type == REG_DWORD) )
        pReg->dwMaxConnections = dwTmp;

    pReg->dwMaxPendingDeliveries = 0;
    size = sizeof(dwTmp);
    if ( ( RegQueryValueEx(hKey, "MaxPendingDeliveries", 0, &type,
(LPBYTE)&dwTmp, &size) == ERROR_SUCCESS )
        && (type == REG_DWORD) )
        pReg->dwMaxPendingDeliveries = dwTmp;

```

```

    pReg->dwNumberOfDeliveryThreads = 0;
    size = sizeof(dwTmp);
    if ( ( RegQueryValueEx(hKey, "NumberOfDeliveryThreads", 0, &type,
(LPBYTE)&dwTmp, &size) == ERROR_SUCCESS )
        && (type == REG_DWORD) )
        pReg->dwNumberOfDeliveryThreads = dwTmp;

    size = sizeof( pReg->szPath );
    if ( RegQueryValueEx(hKey, "Path", 0, &type, (BYTE *)&pReg->szPath, &size)
!= ERROR_SUCCESS )
        pReg->szPath[0] = 0;

    size = sizeof( pReg->szDbServer );
    if ( RegQueryValueEx(hKey, "DbServer", 0, &type, (BYTE *)&pReg-
>szDbServer, &size) != ERROR_SUCCESS )
        pReg->szDbServer[0] = 0;

    size = sizeof( pReg->szDbName );
    if ( RegQueryValueEx(hKey, "DbName", 0, &type, (BYTE *)&pReg->szDbName,
&size) != ERROR_SUCCESS )
        pReg->szDbName[0] = 0;

    size = sizeof( pReg->szDbUser );
    if ( RegQueryValueEx(hKey, "DbUser", 0, &type, (BYTE *)&pReg->szDbUser,
&size) != ERROR_SUCCESS )
        pReg->szDbUser[0] = 0;

    size = sizeof( pReg->szDbPassword );
    if ( RegQueryValueEx(hKey, "DbPassword", 0, &type, (BYTE *)&pReg-
>szDbPassword, &size) != ERROR_SUCCESS )
        pReg->szDbPassword[0] = 0;

    RegCloseKey(hKey);

    return FALSE;
}

```

readregistry.h

```

/* FILE: ReadRegistry.h
 * Microsoft TPC-C Kit Ver. 4.20.000
 * Copyright Microsoft, 1999
 * All Rights Reserved
 * not audited
 * PURPOSE: Header for registry related code.
 * Change history:
 * 4.20.000 - first version
 */

enum DBPROTOCOL { Unspecified, ODBC, DBLIB };
const char *szDBNames[] = { "Unspecified", "ODBC", "DBLIB" };

enum TXNMON { None, TUXEDO, ENCINA, COM };
const char *szTxnMonNames[] = { "NONE", "TUXEDO", "ENCINA", "COM" };

//This structure defines the data necessary to keep distinct for each terminal or
client connection.
typedef struct _TPCCREGISTRYDATA

```

```

{
    enum DBPROTOCOL eDB_Protocol;
    enum TXNMON eTxnMon;
    BOOL bCOM_SinglePool;
    DWORD dwMaxConnections;
    DWORD dwMaxPendingDeliveries;
    DWORD dwNumberOfDeliveryThreads;
    char szPath[128];
    char szDbServer[32];
    char szDbName[32];
    char szDbUser[32];
    char szDbPassword[32];
} TPCCREGISTRYDATA, *PTPCCREGISTRYDATA;

BOOL ReadTPCCRegistrySettings( TPCCREGISTRYDATA *pReg );

```

rtetime.h

```

/* FILE: rtetime.h : header file
 * Copyright 1997 Microsoft Corp., All rights reserved.
 *
 * Source code licensed to Tandem Computers for Internal
 * use only. Redistribution of source or object files or
 * any derivative works is prohibited. By agreement, this
 * notice may not be removed.
 *
 * Authors: Charles Levine, Philip Durr
 *          Microsoft Corp.
 */

//FILE: RTETIME.H

#define MAX_JULIAN_TIME          0x7FFFFFFFFFFFFFFF
#define JULIAN_TIME __int64
#define TC_TIME                 DWORD
extern "C"
{
    BOOL          InitJulianTime(LPSYSTEMTIME lpInitTime);
    JULIAN_TIME  GetJulianTime(void);
    DWORD        MyTickCount(void);
    void          GetJulianAndTC(JULIAN_TIME *pJulian, DWORD *pTC);
    JULIAN_TIME  ConvertTo64BitTime(int iYear, int iMonth, int iDay, int iHour,
    int iMinute, int iSecond);
    JULIAN_TIME  Get64BitTime(LPSYSTEMTIME lpInitTime);
    int          JulianDay( int yr, int mm, int dd );
    void          JulianToTime(JULIAN_TIME julianTS, int* yr, int* mm, int* dd,
    int *hh, int *mi, int *ss );
    void          JulianToCalendar( int day, int* yr, int* mm, int* dd );
}

```

spinlock.h

```

/* FILE: SPINLOCK.H
 *
 * Copyright 1997 Microsoft Corp., All rights reserved.
 *
 * Source code licensed to Tandem Computers for Internal
 * use only. Redistribution of source or object files or
 * any derivative works is prohibited. By agreement, this
 * notice may not be removed.

```

```

*
* Authors: Mike Parkes, Charles Levine, Philip Durr
*          Microsoft Corp.
*/

#ifdef _INC_Spinlock

const LONG LockClosed      = 1;
const LONG LockOpen       = 0;

/*****
 *
 * Spinlock and Semaphore locking.
 *
 * This class provides a very conservative locking scheme.
 * The assumption behind the code is that locks will be
 * held for a very short time. When a lock is taken a memory
 * location is exchanged. All other threads that want this
 * lock wait by spinning and sometimes sleeping on a semaphore
 * until it becomes free again. The only other choice is not
 * to wait at all and move on to do something else. This
 * module should normally be used in conjunction with cache
 * aligned memory in minimize cache line misses.
 *****/

class Spinlock
{
    // Private data.
    HANDLE          Semaphore;
    volatile LONG   m_Spinlock;
    volatile LONG   Waiting;

#ifdef _DEBUG
    // Counters for debugging builds.
    volatile LONG   TotalLocks;
    volatile LONG   TotalSleeps;
    volatile LONG   TotalSpins;
    volatile LONG   TotalWaits;
#endif

public:
    // Public functions.

    Spinlock( void );

    inline BOOL ClaimLock( BOOL Wait = TRUE );
    inline void ReleaseLock( void );
    ~Spinlock( void );
    // Disabled operations.
    Spinlock( const Spinlock & Copy );
    void operator=( const Spinlock & Copy );

private:
    // Private functions.
    inline BOOL ClaimSpinlock( volatile LONG *sl );
    void WaitForLock( void );
    void WakeAllSleepers( void );
};

/*****
 *
 * A guaranteed atomic exchange.
 *****/

```



```

*
* An attempt is made to claim the Spinlock. This action is
* guaranteed to be atomic.
*
*****/
inline BOOL Spinlock::ClaimSpinlock( volatile LONG *Spinlock )
{
    #ifdef _DEBUG
        InterlockedIncrement( (LPLONG) & TotalLocks );
    #endif
    return ( ((*Spinlock) == LockOpen) && (InterlockedExchange(
(LPLONG)Spinlock, LockClosed) == LockOpen) );
}

/*****
*
* Claim the Spinlock.
*
* Claim the lock if available else wait or exit.
*
*****/
inline BOOL Spinlock::ClaimLock( BOOL Wait )
{
    if ( ! ClaimSpinlock( (volatile LONG*) & m_Spinlock ) )
    {
        if ( Wait )
            WaitForLock();
        return Wait;
    }
    return TRUE;
}

/*****
*
* Release the Spinlock.
*
* Release the lock and if needed wakeup any sleepers.
*
*****/
inline void Spinlock::ReleaseLock( void )
{
    m_Spinlock = LockOpen;
    if ( Waiting > 0 )
        WakeAllSleepers();
}

#define _INC_Spinlock

#endif

tm_com_dll.dsp
# Microsoft Developer Studio Project File - Name="tm_com_dll" - Package Owner=<4>
# Microsoft Developer Studio Generated Build File, Format Version 6.00
# ** DO NOT EDIT **

# TARGETTYPE "Win32 (x86) Dynamic-Link Library" 0x0102

CFG=tm_com_dll - Win32 Debug

```

```

!MESSAGE This is not a valid makefile. To build this project using NMAKE,
!MESSAGE use the Export Makefile command and run
!MESSAGE
!MESSAGE NMAKE /f "tm_com_dll.mak".
!MESSAGE
!MESSAGE You can specify a configuration when running NMAKE
!MESSAGE by defining the macro CFG on the command line. For example:
!MESSAGE
!MESSAGE NMAKE /f "tm_com_dll.mak" CFG="tm_com_dll - Win32 Debug"
!MESSAGE
!MESSAGE Possible choices for configuration are:
!MESSAGE
!MESSAGE "tm_com_dll - Win32 Release" (based on "Win32 (x86) Dynamic-Link Library")
!MESSAGE "tm_com_dll - Win32 Debug" (based on "Win32 (x86) Dynamic-Link Library")
!MESSAGE

# Begin Project
# PROP AllowPerConfigDependencies 0
# PROP Scc_ProjName ""
# PROP Scc_LocalPath ""
CPP=cl.exe
MTL=midl.exe
RSC=rc.exe

!IF "$(CFG)" == "tm_com_dll - Win32 Release"

# PROP BASE Use_MFC 0
# PROP BASE Use_Debug_Libraries 0
# PROP BASE Output_Dir "Release"
# PROP BASE Intermediate_Dir "Release"
# PROP BASE Target_Dir ""
# PROP Use_MFC 0
# PROP Use_Debug_Libraries 0
# PROP Output_Dir ".\bin"
# PROP Intermediate_Dir ".\obj"
# PROP Ignore_Export_Lib 0
# PROP Target_Dir ""
# ADD BASE CPP /nologo /MT /W3 /GX /O2 /D "WIN32" /D "NDEBUG" /D "_WINDOWS" /YX /FD
/c
# ADD CPP /nologo /MD /W3 /GX /O2 /D "WIN32" /D "NDEBUG" /D "_WINDOWS" /YX /FD /c
# ADD BASE MTL /nologo /D "NDEBUG" /mktyplib203 /o "NUL" /win32
# ADD MTL /nologo /D "NDEBUG" /mktyplib203 /o "NUL" /win32
# ADD BASE RSC /l 0x409 /d "NDEBUG"
# ADD RSC /l 0x409 /d "NDEBUG"
BSC32=bscmake.exe
# ADD BASE BSC32 /nologo
# ADD BSC32 /nologo
LINK32=link.exe
# ADD BASE LINK32 kernel32.lib user32.lib gdi32.lib winspool.lib comdlg32.lib
advapi32.lib shell32.lib ole32.lib oleaut32.lib uuid.lib odbccp32.lib
/nologo /subsystem:windows /dll /machine:I386
# ADD LINK32 kernel32.lib user32.lib gdi32.lib winspool.lib comdlg32.lib
advapi32.lib shell32.lib ole32.lib oleaut32.lib uuid.lib odbccp32.lib
/nologo /subsystem:windows /dll /machine:I386 /out:".bin\tpcc_com.dll"

!ELSEIF "$(CFG)" == "tm_com_dll - Win32 Debug"

# PROP BASE Use_MFC 0
# PROP BASE Use_Debug_Libraries 1
# PROP BASE Output_Dir "Debug"
# PROP BASE Intermediate_Dir "Debug"
# PROP BASE Target_Dir ""
# PROP Use_MFC 0

```

```

# PROP Use_Debug_Libraries 1
# PROP Output_Dir ".\bin"
# PROP Intermediate_Dir ".\obj"
# PROP Ignore_Export_Lib 0
# PROP Target_Dir ""
# ADD BASE CPP /nologo /MTd /W3 /Gm /GX /Zi /Od /D "WIN32" /D "_DEBUG" /D "_WINDOWS"
/YX /FD /c
# ADD CPP /nologo /MDd /W3 /Gm /GX /ZI /Od /D "WIN32" /D "_DEBUG" /D "_WINDOWS" /YX
/ED /c
# ADD BASE MTL /nologo /D "_DEBUG" /mktyplib203 /o "NUL" /win32
# ADD MTL /nologo /D "_DEBUG" /mktyplib203 /o "NUL" /win32
# ADD BASE RSC /l 0x409 /d "_DEBUG"
# ADD RSC /l 0x409 /d "_DEBUG"
BSC32=bscmake.exe
# ADD BASE BSC32 /nologo
# ADD BSC32 /nologo
LINK32=link.exe
# ADD BASE LINK32 kernel32.lib user32.lib gdi32.lib winspool.lib comdlg32.lib
advapi32.lib shell32.lib ole32.lib oleaut32.lib uuid.lib odbc32.lib odbccp32.lib
/nologo /subsystem:windows /dll /debug /machine:I386 /pdbtype:sept
# ADD LINK32 kernel32.lib user32.lib gdi32.lib winspool.lib comdlg32.lib
advapi32.lib shell32.lib ole32.lib oleaut32.lib uuid.lib odbc32.lib odbccp32.lib
/nologo /subsystem:windows /dll /debug /machine:I386 /out:".bin\tpcc_com.dll"
/pdbtype:sept

!ENDIF

# Begin Target

# Name "tm_com_dll - Win32 Release"
# Name "tm_com_dll - Win32 Debug"
# Begin Source File

SOURCE=. \src\tpcc_com.cpp
# End Source File
# Begin Source File

SOURCE=. \src\tpcc_com.h
# End Source File
# End Target
# End Project

```

tpcc.cpp

```

/*
FILE: TPCC.C
Microsoft TPC-C Kit Ver. 4.20.000
Copyright Microsoft, 1999
All Rights Reserved
Version 4.10.000 audited by Richard Gimarc,
Performance Metrics, 3/17/99
PURPOSE: Main module for TPCC.DLL which is an ISAPI service dll.
Contact: Charles Levine (clevine@microsoft.com)
Change history:
4.20.000 - reworked error handling; added options for COM and
Encina txn monitors
*/
#include <windows.h>
#include <process.h>

```

```

#include <tchar.h>
#include <stdio.h>
#include <stdarg.h>
#include <malloc.h>
#include <stdlib.h>
#include <string.h>
#include <time.h>
#include <sys\timeb.h>
#include <io.h>
#include <assert.h>

#include <sqltypes.h>

#ifdef ICECAP
#include <icapexp.h>
#endif

#include "..\..\common\src\trans.h" //tpckit transaction header
contains definitions of structures specific to TPC-C
#include "..\..\common\src\error.h"
#include "..\..\common\src\txn_base.h"
#include "..\..\common\src\ReadRegistry.h"

#include "..\..\common\txnlog\include\rtetime.h"
#include "..\..\common\txnlog\include\spinlock.h"
#include "..\..\common\txnlog\include\txnlog.h"

// Database layer includes
#include "..\..\db_dblib_dll\src\tpcc_dblib.h" // DBLIB implementation
of TPC-C txns
#include "..\..\db_odbc_dll\src\tpcc_odbc.h" // ODBC implementation
of TPC-C txns

// Txn monitor layer includes
#include "..\..\tm_com_dll\src\tpcc_com.h" // COM
Services implementation on TPC-C txns
#include "..\..\tm_tuxedo_dll\src\tpcc_tux.h" // interface to Tuxedo
libraries
#include "..\..\tm_encina_dll\src\tpcc_enc.h" // interface to Encina
libraries

#include "httpext.h" //ISAPI DLL information
header
#include "tpcc.h" //this dlls specific
structure, value e.t. header.

#define LEN_ERR_STRING 256

// defines for Make<Txn>Form calls to distinguish input and output flavors
#define OUTPUT_FORM 0
#define INPUT_FORM 1

char szMyComputerName[MAX_COMPUTERNAME_LENGTH+1];

//Terminal client id structure
TERM Term = { 0, 0, 0, NULL };

// The WEBCLIENT_VERSION string specifies the version level of this web client
interface.
// The RTE must be synchronized with the interface level on login, otherwise the
login

```

```

// will fail. This is a sanity check to catch problems resulting from mismatched
versions
// of the RTE and web client.
#define WEBCLIENT_VERSION "410"

static CRITICAL_SECTION TermCriticalSection;

static HINSTANCE hLibInstanceTm = NULL;
static HINSTANCE hLibInstanceDb = NULL;

TYPE_CTPCC_DBLIB *pCTPCC_DBLIB_new;
TYPE_CTPCC_ODBC *pCTPCC_ODBC_new;
TYPE_CTPCC_TUXEDO *pCTPCC_TUXEDO_new;
TYPE_CTPCC_ENCINA *pCTPCC_ENCINA_new;
TYPE_CTPCC_ENCINA *pCTPCC_ENCINA_post_init;
TYPE_CTPCC_COM *pCTPCC_COM_new;

// For deferred Delivery txns:

CTXnLog //used to log delivery transaction information *txnDelilog = NULL;

HANDLE INVALID_HANDLE_VALUE; hWorkerSemaphore =
HANDLE = INVALID_HANDLE_VALUE; hDoneEvent
HANDLE *pDeliHandles =
NULL;

// configuration settings from registry
TPCCREGISTRYDATA Reg;

DWORD dwNumDeliveryThreads = 4;
CRITICAL_SECTION DelBuffCriticalSection; //critical
section for delivery transactions cache
DELIVERY_TRANSACTION *pDelBuff = NULL;
DWORD dwDelBuffSize =
100; // size of circular buffer for delivery txns
DWORD dwDelBuffFreeCount;
// number of buffers free
DWORD dwDelBuffBusyIndex = 0;
// index position of entry waiting to be
delivered
DWORD dwDelBuffFreeIndex = 0;
// index position of unused entry

#include "..\..\common\src\ReadRegistry.cpp"

/* FUNCTION: DllMain
*
* PURPOSE: This function is the entry point for the DLL. This
implementation is based on the
* fact that DLL_PROCESS_ATTACH is only called from the
inet service once.
*
* ARGUMENTS: HANDLE hModule module handle
* DWORD ul_reason_for_call reason for
call
* LPVOID lpReserved
* reserved for future use
*
* RETURNS: BOOL FALSE
errors occurred in initialization

```

```

* TRUE
*/
DLL successfully initialized

BOOL WINAPI DllMain(HANDLE hModule, DWORD ul_reason_for_call, LPVOID lpReserved)
{
    DWORD i;
    char szEvent[LEN_ERR_STRING] = "\0";
    char szLogFile[128];
    char szDllName[128];

    try
    {
        switch( ul_reason_for_call )
        {
            case DLL_PROCESS_ATTACH:
            {
                DWORD dwSize =
                MAX_COMPUTERNAME_LENGTH+1;
                GetComputerName(szMyComputerName,
                &dwSize);
                szMyComputerName[dwSize] = 0;
                DisableThreadLibraryCalls((HMODULE)hModule);
                InitializeCriticalSection(&TermCriticalSection);
                if ( ReadTPCCRegistrySettings( &Reg ) )
                throw new CWEBCLNT_ERR(
                ERR_MISSING_REGISTRY_ENTRIES );
                dwDelBuffSize = min(
                Reg.dwMaxPendingDeliveries, 10000 ); // min with 10000 as a sanity constraint
                dwNumDeliveryThreads = min(
                Reg.dwNumberOfDeliveryThreads, 100 ); // min with 100 as a sanity constraint
                TermInit();
                // load DLL for txn monitor
                if (Reg.eTxnMon == TUXEDO)
                {
                    strcpy( szDllName, Reg.szPath );
                    strcat( szDllName,
                    "tpcc_tuxedo.dll");
                    hLibInstanceTm = LoadLibrary(
                    szDllName );
                    if (hLibInstanceTm == NULL)
                    throw new CWEBCLNT_ERR(
                    ERR_LOADDLL_FAILED, szDllName, GetLastError() );
                    // get function pointer to wrapper
                    for class constructor
                    pCTPCC_TUXEDO_new =
                    (TYPE_CTPCC_TUXEDO*) GetProcAddress(hLibInstanceTm, "CTPCC_TUXEDO_new");
                    if (pCTPCC_TUXEDO_new == NULL)
                    throw new CWEBCLNT_ERR(
                    ERR_GETPROCADDR_FAILED, szDllName, GetLastError() );
                }
                else if (Reg.eTxnMon == ENCINA)
                {
                    strcpy( szDllName, Reg.szPath );

```

```

        strcat( szDllName,
"tpcc_encina.dll");
szDllName );
        hLibInstanceTm = LoadLibrary(
        if (hLibInstanceTm == NULL)
            throw new CWBCLNT_ERR(
ERR_LOADDLL_FAILED, szDllName, GetLastError() );
        // get function pointer to wrapper
for class constructor
        pCTPCC_ENCINA_new =
(TYPE_CTPCC_ENCINA*) GetProcAddress(hLibInstanceTm, "CTPCC_ENCINA_new");
        pCTPCC_ENCINA_post_init =
(TYPE_CTPCC_ENCINA*) GetProcAddress(hLibInstanceTm, "CTPCC_ENCINA_post_init");
        if (pCTPCC_ENCINA_new == NULL)
            throw new CWBCLNT_ERR(
ERR_GETPROCADDR_FAILED, szDllName, GetLastError() );
        }
        else if (Reg.eTxnMon == COM)
        {
            strcpy( szDllName, Reg.szPath );
            strcat( szDllName,
"tpcc_com.dll");
szDllName );
            hLibInstanceTm = LoadLibrary(
            if (hLibInstanceTm == NULL)
                throw new CWBCLNT_ERR(
ERR_LOADDLL_FAILED, szDllName, GetLastError() );
            // get function pointer to wrapper
for class constructor
            pCTPCC_COM_new = (TYPE_CTPCC_COM*)
GetProcAddress(hLibInstanceTm, "CTPCC_COM_new");
            if (pCTPCC_COM_new == NULL)
                throw new CWBCLNT_ERR(
ERR_GETPROCADDR_FAILED, szDllName, GetLastError() );
        }

        // load DLL for database connection
        if ((Reg.eTxnMon == None) ||
(dwNumDeliveryThreads > 0))
        {
            if (Reg.eDB_Protocol == DBLIB)
            {
                strcpy( szDllName,
                strcat( szDllName,
"tpcc_dblib.dll");
                hLibInstanceDb =
                LoadLibrary( szDllName );
                if (hLibInstanceDb ==
                NULL)
                    throw new
                CWBCLNT_ERR( ERR_LOADDLL_FAILED, szDllName, GetLastError() );
                // get function pointer
to wrapper for class constructor
                pCTPCC_DBLIB_new =
                (TYPE_CTPCC_DBLIB*) GetProcAddress(hLibInstanceDb, "CTPCC_DBLIB_new");
                if (pCTPCC_DBLIB_new ==
                NULL)
                    throw new
                CWBCLNT_ERR( ERR_GETPROCADDR_FAILED, szDllName, GetLastError() );
            }
        }
    }
}

```

```

        else if (Reg.eDB_Protocol == ODBC)
        {
            strcpy( szDllName,
            Reg.szPath );
            strcat( szDllName,
"tpcc_odbc.dll");
            hLibInstanceDb =
            LoadLibrary( szDllName );
            if (hLibInstanceDb ==
            NULL)
                throw new
            CWBCLNT_ERR( ERR_LOADDLL_FAILED, szDllName, GetLastError() );
            // get function pointer
to wrapper for class constructor
            pCTPCC_ODBC_new =
            (TYPE_CTPCC_ODBC*) GetProcAddress(hLibInstanceDb, "CTPCC_ODBC_new");
            if (pCTPCC_ODBC_new ==
            NULL)
                throw new
            CWBCLNT_ERR( ERR_GETPROCADDR_FAILED, szDllName, GetLastError() );
        }
    }

    if (dwNumDeliveryThreads)
    {
        // for deferred delivery txns:
        hDoneEvent = CreateEvent( NULL,
TRUE /* manual reset */, FALSE /* initially not signalled */, NULL );
        InitializeCriticalSection(&DelBuffCriticalSection);
        hWorkerSemaphore =
        CreateSemaphore( NULL, 0, dwDelBuffSize, NULL );
        dwDelBuffFreeCount =
        dwDelBuffSize;
        InitJulianTime(NULL);

        // create unique log file name
        SYSTEMTIME Time;
        GetLocalTime( &Time );
        wsprintf( szLogFile, "%sdelivery-
        Reg.szPath,
        Time.wYear % 100, Time.wMonth, Time.wDay, Time.wHour, Time.wMinute );
        txndelilog = new
        CTxnLog(szLogFile, TXN_LOG_WRITE);

        //write event into txn log for
        START
        txndelilog-
        >WriteCtrlRecToLog(TXN_EVENT_START, szMyComputerName, sizeof(szMyComputerName));

        // allocate structures for
        delivery buffers and thread mgmt
        pDeliHandles = new
        HANDLE[dwNumDeliveryThreads];
        pDelBuff = new
        DELIVERY_TRANSACTION[dwDelBuffSize];
        // launch DeliveryWorkerThread to
        perform actual delivery txns
    }
}

```

```

        for(i=0; i<dwNumDeliveryThreads;
i++)
        {
            pDeliHandles[i] =
(HANDLE) _beginthread( DeliveryWorkerThread, 0, NULL );
            if (pDeliHandles[i] ==
INVALID_HANDLE_VALUE)
                throw new
CWEBCLNT_ERR( ERR_DELIVERY_THREAD_FAILED );
        }
        break;
    case DLL_PROCESS_DETACH:
        if (dwNumDeliveryThreads)
        {
            if (txnDelilog != NULL)
            {
                //write event into txn
                txnDelilog-
                >WriteCtrlRecToLog(TXN_EVENT_STOP, szMyComputerName, sizeof(szMyComputerName));
                // This will do a clean
                shutdown of the delivery log file
                CTxnLog
                *txnDelilogLocal = txnDelilog;
                txnDelilog= NULL;
                delete txnDelilogLocal;
            }
            delete [] pDeliHandles;
            delete [] pDelBuff;
            CloseHandle( hWorkerSemaphore );
            CloseHandle( hDoneEvent );
            DeleteCriticalSection(&DelBuffCriticalSection);
        }
        DeleteCriticalSection(&TermCriticalSection);
        if (hLibInstanceTm != NULL)
            FreeLibrary( hLibInstanceTm );
        hLibInstanceTm = NULL;
        if (hLibInstanceDb != NULL)
            FreeLibrary( hLibInstanceDb );
        hLibInstanceDb = NULL;
        Sleep(500);
        break;
    default:
        /* nothing */;
}
}
catch (CBaseErr *e)
{
    WriteMessageToEventLog( e->ErrorText() );
    delete e;
    TerminateExtension(0);
}

```

```

        return FALSE;
    }
    catch (...)
    {
        WriteMessageToEventLog(TEXT("Unhandled exception. DLL could not
load."));
        TerminateExtension(0);
        return FALSE;
    }
    return TRUE;
}
/* FUNCTION: GetExtensionVersion
*
* PURPOSE: This function is called by the inet service when the DLL is
first loaded.
*
* ARGUMENTS: HSE_VERSION_INFO *pVer passed in structure in which to
place expected version number.
*
* RETURNS: TRUE inet service expected return value.
*/
BOOL WINAPI GetExtensionVersion(HSE_VERSION_INFO *pVer)
{
    pVer->dwExtensionVersion = MAKELONG(HSE_VERSION_MINOR, HSE_VERSION_MAJOR);
    lstrcpy(pVer->lpszExtensionDesc, "TPC-C Server.",
HSE_MAX_EXT_DLL_NAME_LEN);
    // TODO: why do we need this here instead of in the DLL attach?
    if (Reg.eTxnMon == ENCINA)
        pCTPCC_ENCINA_post_init();
    return TRUE;
}
/* FUNCTION: TerminateExtension
*
* PURPOSE: This function is called by the inet service when the DLL is
about to be unloaded.
*
* ARGUMENTS: Release all resources in anticipation of being
unloaded.
*
* RETURNS: TRUE inet service expected return value.
*/
BOOL WINAPI TerminateExtension( DWORD dwFlags )
{
    if (pDeliHandles)
    {
        SetEvent( hDoneEvent );
        for(DWORD i=0; i<dwNumDeliveryThreads; i++)
            WaitForSingleObject( pDeliHandles[i], INFINITE );
    }
    TermDeleteAll();
    return TRUE;
}
/* FUNCTION: HttpExtensionProc

```

```

*
* PURPOSE:      This function is the main entry point for the TPCC DLL. The
internet service
*              calls this function passing in the http string.
*
* ARGUMENTS:    EXTENSION_CONTROL_BLOCK *pECB  structure pointer to
passed in internet
*
*              service information.
*
* RETURNS:      DWORD      HSE_STATUS_SUCCESS
connection can be dropped if eError
*
*              HSE_STATUS_SUCCESS_AND_KEEP_CONN  keep connect valid comment sent
*
* COMMENTS:     None
*
*/

DWORD WINAPI HttpExtensionProc(EXTENSION_CONTROL_BLOCK *pECB)
{
    int          iCmd, FormId, TermId, iSyncId;
    char         szBuffer[4096];

    int          lpbSize;
    static char  szHeader[] = "200 Ok";
    DWORD        dwSize = 6;          // initial value is
strlen(szHeader)
    char         szHeader1[4096];

#ifdef ICECAP
    StartCAP();
#endif

    try
    {
        //process http query
        ProcessQueryString(pECB, &iCmd, &FormId, &TermId, &iSyncId);

        if (TermId != 0)
        {
            if ( TermId < 0 || TermId >= Term.iNumEntries ||
Term.pClientData[TermId].iNextFree != -1 )
            {
                // debugging...
                char szTmp[128];
                wsprintf( szTmp, "Invalid term ID; TermId =
%d", TermId );

                WriteMessageToEventLog( szTmp );

                throw new CWEBCLNT_ERR( ERR_INVALID_TERMID
);
            }

            //must have a valid syncid here since termid is valid
            if (iSyncId != Term.pClientData[TermId].iSyncId)
                throw new CWEBCLNT_ERR(
ERR_INVALID_SYNC_CONNECTION );

            //set use time
            Term.pClientData[TermId].iTickCount = GetTickCount();
        }
    }
}

```

```

switch(iCmd)
{
case 0:
    WelcomeForm(pECB, szBuffer);
    break;

case 1:
    switch( FormId )
    {
        case WELCOME_FORM:
        case MAIN_MENU_FORM:
            break;
        case NEW_ORDER_FORM:
            ProcessNewOrderForm(pECB, TermId,
szBuffer);
            break;
        case PAYMENT_FORM:
            ProcessPaymentForm(pECB, TermId,
szBuffer);
            break;
        case DELIVERY_FORM:
            ProcessDeliveryForm(pECB, TermId,
szBuffer);
            break;
        case ORDER_STATUS_FORM:
            ProcessOrderStatusForm(pECB,
TermId, szBuffer);
            break;
        case STOCK_LEVEL_FORM:
            ProcessStockLevelForm(pECB,
TermId, szBuffer);
            break;
    }
    break;

case 2:
    // new-order selected from menu; display new-order
input form
    MakeNewOrderForm(TermId, NULL, INPUT_FORM, szBuffer);
    break;

case 3:
    // payment selected from menu; display payment input
form
    MakePaymentForm(TermId, NULL, INPUT_FORM, szBuffer);
    break;

case 4:
    // delivery selected from menu; display delivery input
form
    MakeDeliveryForm(TermId, NULL, INPUT_FORM, szBuffer);
    break;

case 5:
    // order-status selected from menu; display order-
status input form
    MakeOrderStatusForm(TermId, NULL, INPUT_FORM,
szBuffer);
    break;

case 6:
    // stock-level selected from menu; display stock-level
input form
    MakeStockLevelForm(TermId, NULL, INPUT_FORM,
szBuffer);
    break;

case 7:

```

```

                // ExitCmd
                TermDelete(TermId);
                WelcomeForm(pECB, szBuffer);
                break;
        case 8:
                SubmitCmd(pECB, szBuffer);
                break;
        case 9:
                // menu
                MakeMainMenuForm(TermId,
Term.pClientData[TermId].iSyncId, szBuffer);
                break;
        case 10:
                // CMD=Clear
                // resets all connections; should only be used when no
other connections are active
                TermDeleteAll();
                TermInit();
                WelcomeForm(pECB, szBuffer);
                break;
        case 11: // CMD=Stats
                StatsCmd(pECB, szBuffer);
                break;
    }
    catch (CBaseErr *e)
    {
        ErrorForm( pECB, e->ErrorType(), e->ErrorNum(), TermId, iSyncId,
e->ErrorText(), szBuffer );
        delete e;
    }
    catch (...)
    {
        ErrorForm( pECB, ERR_TYPE_WEBDLL, 0, TermId, iSyncId, "Error:
Unhandled exception in Web Client.", szBuffer );
    }
#endif ICECAP
StopCAP();
#endif

    lpbSize = strlen(szBuffer);
    wsprintf(szHeader1,
                "Content-Type: text/html\r\n"
                "Content-Length: %d\r\n"
                "Connection: Keep-Alive\r\n\r\n", lpbSize);
    strcat( szHeader1, szBuffer );

    (*pECB->ServerSupportFunction)(pECB->ConnID, HSE_REQ_SEND_RESPONSE_HEADER,
szHeader, (LPDWORD) &dwSize, (LPDWORD)szHeader1);

    //finish up and keep connection
    pECB->dwHttpStatusCode = 200;
    return HSE_STATUS_SUCCESS_AND_KEEP_CONN;
}

void WriteMessageToEventLog(LPTSTR lpszMsg)
{
    TCHAR    szMsg[256];
    HANDLE  hEventSource;
    LPTSTR  lpszStrings[2];

```

```

// Use event logging to log the error.
//
hEventSource = RegisterEventSource(NULL, TEXT("TPCC.DLL"));

_stprintf(szMsg, TEXT("Error in TPCC.DLL: "));
lpszStrings[0] = szMsg;
lpszStrings[1] = lpszMsg;

if (hEventSource != NULL)
{
    ReportEvent(hEventSource, // handle of event source
EVENTLOG_ERROR_TYPE, // event type
0, // event category
0, // event ID
NULL, // current user's SID
2, // strings in lpszStrings
0, // no bytes of raw data
(LPCTSTR *)lpszStrings, // array of error strings
NULL); // no raw data

    (VOID) DeregisterEventSource(hEventSource);
}
}

/* FUNCTION: DeliveryWorkerThread
 *
 * PURPOSE: This function processes deferred delivery txns. There are
typically several threads running this routine. The number of threads
is determined by an entry read from the registry. The thread waits for work by
waiting on semaphore. When a delivery txn is posted, the semaphore is
released. After processing the delivery txn, information is logged to record the
txn status and execution time.
 */

/*static*/ void DeliveryWorkerThread(void *ptr)
{
    CTPCC_BASE *pTxn = NULL;
    DELIVERY_TRANSACTION delivery;
    PDELIVERY_DATA pDeliveryData;
    TXN_RECORD_TPCC_DELIV_DEF txnDeliRec;
    DWORD index;
    HANDLE handles[2];
    SYSTEMTIME trans_end; //delivery
    transaction finished time
    SYSTEMTIME trans_start; //delivery transaction
    start time

    assert(txnDeliRec != NULL);

    try
    {
        if (Reg.eDB_Protocol == ODBC)

```

```

        pTxn = pCTPCC_ODBC_new( Reg.szDbServer, Reg.szDbUser,
Reg.szDbPassword, szMyComputerName, Reg.szDbName );
        else if (Reg.eDB_Protocol == DBLIB)
            pTxn = pCTPCC_DBLIB_new( Reg.szDbServer, Reg.szDbUser,
Reg.szDbPassword, szMyComputerName, Reg.szDbName );
        pDeliveryData = pTxn->BuffAddr_Delivery();
    }
    catch (CBaseErr *e)
    {
        char szTmp[1024];
        wsprintf( szTmp, "Error in Delivery Txn thread. Could not
connect to database. "
                "%s. Server=%s, User=%s, Password=%s,
Database=%s",
                e->ErrorText(), Reg.szDbServer,
Reg.szDbUser, Reg.szDbPassword, Reg.szDbName );
        WriteMessageToEventLog( szTmp );
        delete e;
        goto ErrorExit;
    }
    catch (...)
    {
        WriteMessageToEventLog(TEXT("Unhandled exception caught in
DeliveryWorkerThread."));
        goto ErrorExit;
    }

    while (TRUE)
    {
        try
        {
            //while delivery thread running, i.e. user has not
requested termination
            while (TRUE)
            {
                // need to wait for multiple objects:
                handles[0] = hDoneEvent;
                handles[1] = hWorkerSemaphore;
                index = WaitForMultipleObjects( 2,
&handles[0], FALSE, INFINITE );
                if (index == WAIT_OBJECT_0)
                    goto ErrorExit;

                ZeroMemory(&txnDeliRec, sizeof(txnDeliRec));
                txnDeliRec.TxnType =
TXN_REC_TYPE_TPCC_DELIV_DEF;

                // make a local copy of current entry from
delivery buffer and increment buffer index
                EnterCriticalSection(&DelBuffCriticalSection);
                delivery = *(pDelBuff+dwDelBuffBusyIndex);
                dwDelBuffFreeCount++;
                dwDelBuffBusyIndex++;
                if (dwDelBuffBusyIndex == dwDelBuffSize)
                    // wrap-around if at end of buffer
                    dwDelBuffBusyIndex = 0;

                LeaveCriticalSection(&DelBuffCriticalSection);

                pDeliveryData->w_id = delivery.w_id;

```

```

        pDeliveryData->o_carrier_id =
delivery.o_carrier_id;

        txnDeliRec.w_id = pDeliveryData->w_id;
        txnDeliRec.o_carrier_id = pDeliveryData-
>o_carrier_id;
        txnDeliRec.TxnStartT0 =
Get64BitTime(&delivery.queue);

        GetLocalTime( &trans_start );
        pTxn->Delivery();
        GetLocalTime( &trans_end );

        //log txn
        txnDeliRec.TxnStatus = ERR_SUCCESS;
        for (int i=0; i<10; i++)
            txnDeliRec.o_id[i] =
pDeliveryData->o_id[i];
        txnDeliRec.DeltaT4 =
(int)(Get64BitTime(&trans_end) - txnDeliRec.TxnStartT0);
        txnDeliRec.DeltaTxnExec =
(int)(Get64BitTime(&trans_end) - Get64BitTime(&trans_start));

        if (txnDelilog != NULL)
            txnDelilog->
>WriteToLog(&txnDeliRec);
    }
    catch (CBaseErr *e)
    {
        char szTmp[1024];
        wsprintf( szTmp, "Error in Delivery Txn thread. %s",
e->ErrorText() );
        WriteMessageToEventLog( szTmp );

        // log the error txn
        txnDeliRec.TxnStatus = e->ErrorType();
        if (txnDelilog != NULL)
            txnDelilog->WriteToLog(&txnDeliRec);

        delete e;
    }
    catch (...)
    {
        // unhandled exception; shouldn't happen; not much we
can do...
        WriteMessageToEventLog(TEXT("Unhandled exception
caught in DeliveryWorkerThread."));
    }

ErrorExit:
    delete pTxn;
    _endthread();
}

/* FUNCTION: PostDeliveryInfo
 * PURPOSE:          This function enters the delivery txn into the deferred delivery
buffer.
 * RETURNS:          BOOL      FALSE      delivery information posted
                    successfully

```



```

*                                     TRUE      error cannot
post delivery info
*/
BOOL PostDeliveryInfo(short w_id, short o_carrier_id)
{
    BOOL bError;

    EnterCriticalSection(&DelBuffCriticalSection);
    if (dwDelBuffFreeCount > 0)
    {
        bError = FALSE;
        (pDelBuff+dwDelBuffFreeIndex)->w_id          =
w_id;
        (pDelBuff+dwDelBuffFreeIndex)->o_carrier_id   =
o_carrier_id;
        GetLocalTime(&(pDelBuff+dwDelBuffFreeIndex)->queue);

        dwDelBuffFreeCount--;
        dwDelBuffFreeIndex++;
        if (dwDelBuffFreeIndex == dwDelBuffSize)
            dwDelBuffFreeIndex = 0;          // wrap-around
    }
    if at end of buffer
    }
    else
        // No free buffers. Return an error, which indicates that the
        // Most likely, the number of delivery worker threads needs to
        // be increased to keep up
        // with the txn rate.
        bError = TRUE;
    LeaveCriticalSection(&DelBuffCriticalSection);

    if (!bError)
        // increment worker semaphore to wake up a worker thread
        ReleaseSemaphore( hWorkerSemaphore, 1, NULL );

    return bError;
}

/* FUNCTION: ProcessQueryString
*
* PURPOSE:      This function extracts the relevent information out of the http
command passed in from
*               the browser.
*
* COMMENTS:     If this is the initial connection i.e. client is at welcome
screen then
*               there will not be a terminal id or current
form id. If this is the case
*               then the pTermid and pFormid return values
are undefined.
*/

void ProcessQueryString(EXTENSION_CONTROL_BLOCK *pECB, int *pCmd, int *pFormId, int
*pTermId, int *pSyncId)
{
    char *ptr = pECB->lpszQueryString;
    char szBuffer[25];
    int i;

    //allowable client command strings i.e. CMD=command
    static char *szCmds[] =

```

```

{
    "Process", "..NewOrder..", "..Payment..", "..Delivery..",
"..Order-Status..", "..Stock-Level..",
    "..Exit..", "Submit", "Menu", "Clear", "Stats", ""
};

*pCmd      = 0;          // default is the login screen
*pTermId = 0;

// if no params (i.e., empty query string), then return login screen
if (strlen(pECB->lpszQueryString) == 0)
    return;

// parse FORMID, TERMID, and SYNCID
*pFormId = GetIntKeyValue(&ptr, "FORMID", NO_ERR, NO_ERR);
*pTermId = GetIntKeyValue(&ptr, "TERMID", NO_ERR, NO_ERR);
*pSyncId = GetIntKeyValue(&ptr, "SYNCID", NO_ERR, NO_ERR);

// parse CMD
GetKeyValue(&ptr, "CMD", szBuffer, sizeof(szBuffer),
ERR_COMMAND_UNDEFINED);

// see which command it matches
for(i=0; ; i++)
{
    if (szCmds[i][0] == 0)
        // no more; no match; return error
        throw new CWEBCLNT_ERR( ERR_COMMAND_UNDEFINED );
    if ( !strcmp(szCmds[i], szBuffer) )
    {
        *pCmd = i+1;
        break;
    }
}

/* FUNCTION: void WelcomeForm
*
*/

void WelcomeForm(EXTENSION_CONTROL_BLOCK *pECB, char *szBuffer)
{
    char szTmp[1024];

    //welcome to tpc-c html form buffer, this is first form client sees.
    strcpy( szBuffer, "<HTML><HEAD><TITLE>TPC-C Web
Client</TITLE></HEAD><BODY>"
        "<B><BIG>Microsoft TPC-C
Web Client (ver 4.20)</BIG></B> <BR> <BR>"
        "<font face=\"Courier
New\"><PRE>"
        "Compiled: \"__DATE__",
        "__TIME__" <BR>"
        "Source:  \"__FILE__"
        ("__TIMESTAMP__" <BR>"
        "</PRE></font>"
        "<FORM
ACTION=\"tpcc.dll\" METHOD=\"GET\">"
        "<INPUT TYPE=\"hidden\"
NAME=\"STATUSID\" VALUE=\"0\">"
        "<INPUT TYPE=\"hidden\"
NAME=\"ERROR\" VALUE=\"0\">"

```

```

NAME=\\"FORMID\\" VALUE=\\"1\\">"
NAME=\\"TERMINID\\" VALUE=\\"0\\">"
NAME=\\"SYNCID\\" VALUE=\\"0\\">"
NAME=\\"VERSION\\" VALUE=\\" WEBCLIENT_VERSION "\\">"
);
sprintf( szTmp, "Configuration Settings: <BR><font face=\\"Courier
New\\" color=\\"blue\\"><PRE>"
"Txn Monitor =
<B>%s</B><BR>" "Database protocol =
<B>%s</B><BR>" "Max Connections =
<B>%d</B><BR>" "# of Delivery Threads =
<B>%d</B><BR>" "Max Pending Deliveries =
<B>%d</B><BR>"
, szTxnMonNames[Reg.eTxnMon],
szDBNames[Reg.eDB_Protocol], Reg.dwMaxConnections, dwNumDeliveryThreads,
dwDelBuffSize );
strcat( szBuffer, szTmp);
if (Reg.eTxnMon == COM)
{
sprintf( szTmp, "COM Single Pool = <B>%s</B><BR>",
Reg.bCOM_SinglePool ? "YES" : "NO" );
strcat( szBuffer, szTmp);
}
strcat( szBuffer, "</PRE></font>");
if (Reg.eTxnMon == None)
// connection options may be specified when not using a txn
monitor
sprintf( szTmp, "Please enter your database options for this
connection:<BR>"
"DB Server = <INPUT
New\\" color=\\"blue\\"><PRE>" "DB User ID = <INPUT
NAME=\\"db_server\\" SIZE=20 VALUE=\\"%s\\"><BR>" "DB Password = <INPUT
NAME=\\"db_user\\" SIZE=20 VALUE=\\"%s\\"><BR>" "DB Name = <INPUT
NAME=\\"db_passwd\\" SIZE=20 VALUE=\\"%s\\"><BR>" "DB Password = <INPUT
NAME=\\"db_name\\" SIZE=20 VALUE=\\"%s\\"><BR>"
, Reg.szDbServer, Reg.szDbUser,
Reg.szDbPassword, Reg.szDbName );
else
// if using a txn monitor, connection options are determined
from registry; can't
// set per user. show options fyi
sprintf( szTmp, "Database options which will be used by the
transaction monitor:<BR>"
"DB Server = <INPUT
New\\" color=\\"blue\\"><PRE>"

```

```

"DB Server
= <B>%s</B><BR>" "DB User ID
= <B>%s</B><BR>" "DB Password
= <B>%s</B><BR>" "DB Name
= <B>%s</B><BR>"
"DB Server
, Reg.szDbServer, Reg.szDbUser,
Reg.szDbPassword, Reg.szDbName );
strcat( szBuffer, szTmp);
sprintf( szTmp, "Please enter your Warehouse and District for this
session:<BR>"
"DB Server
"DB User ID
"DB Password
"DB Name
"DB Server
, Reg.szDbServer, Reg.szDbUser,
Reg.szDbPassword, Reg.szDbName );
strcat( szBuffer, szTmp);
sprintf( szTmp, "Please enter your Warehouse and District for this
session:<BR>"
"DB Server
"DB User ID
"DB Password
"DB Name
"DB Server
, Reg.szDbServer, Reg.szDbUser,
Reg.szDbPassword, Reg.szDbName );
strcat( szBuffer, szTmp);
NAME=\\"d_id\\" SIZE=2><BR>"
"DB Server
"DB User ID
"DB Password
"DB Name
"DB Server
, Reg.szDbServer, Reg.szDbUser,
Reg.szDbPassword, Reg.szDbName );
strcat( szBuffer, szTmp);
NAME=\\"CMD\\" VALUE=\\"Submit\\">"
"DB Server
"DB User ID
"DB Password
"DB Name
"DB Server
, Reg.szDbServer, Reg.szDbUser,
Reg.szDbPassword, Reg.szDbName );
strcat( szBuffer, szTmp);
}
/* FUNCTION: SubmitCmd
*
* PURPOSE: This function allocated a new terminal id in the Term structure
array.
*
*/
void SubmitCmd(EXTENSION_CONTROL_BLOCK *pECB, char *szBuffer)
{
int iNewTerm;
char *ptr = pECB->lpszQueryString;
char szVersion[32] = { 0 };
char szServer[32] = { 0 };
char szUser[32] = "sa";
char szPassword[32] = { 0 };
char szDatabase[32] = "tpcc";
// validate version field; the version field ensures that the RTE is
synchronized with the web client
GetKeyValue(&ptr, "VERSION", szVersion, sizeof(szVersion),
ERR_VERSION_MISMATCH);
if ( strcmp( szVersion, WEBCLIENT_VERSION ) )
throw new CWEBCLNT_ERR( ERR_VERSION_MISMATCH );
if (Reg.eTxnMon == None)
{
// parse Server name
GetKeyValue(&ptr, "db_server", szServer, sizeof(szServer),
ERR_NO_SERVER_SPECIFIED);
// parse User name
GetKeyValue(&ptr, "db_user", szUser, sizeof(szUser), NO_ERR);
// parse Password
GetKeyValue(&ptr, "db_passwd", szPassword, sizeof(szPassword),
NO_ERR);
}
}

```

```

        // parse Database name
        GetKeyValue(&ptr, "db_name", szDatabase, sizeof(szDatabase),
NO_ERR);
    }

    // parse warehouse ID
    int w_id = GetIntKeyValue(&ptr, "w_id", ERR_HTML_ILL_FORMED,
ERR_W_ID_INVALID);
    if ( w_id < 1 )
        throw new CWEBCLNT_ERR( ERR_W_ID_INVALID );

    // parse district ID
    int d_id = GetIntKeyValue(&ptr, "d_id", ERR_HTML_ILL_FORMED,
ERR_D_ID_INVALID);
    if ( d_id < 1 || d_id > 10 )
        throw new CWEBCLNT_ERR( ERR_D_ID_INVALID );

    iNewTerm = TermAdd();

    Term.pClientData[iNewTerm].w_id = w_id;
    Term.pClientData[iNewTerm].d_id = d_id;

    try
    {
        if (Reg.eTxnMon == TUXEDO)
            Term.pClientData[iNewTerm].pTxn = pCTPCC_TUXEDO_new();
        else if (Reg.eTxnMon == ENCINA)
            Term.pClientData[iNewTerm].pTxn = pCTPCC_ENCINA_new();
        else if (Reg.eTxnMon == COM)
            Term.pClientData[iNewTerm].pTxn = pCTPCC_COM_new(
Reg.bCOM_SinglePool );
        else if (Reg.eDB_Protocol == ODBC)
            Term.pClientData[iNewTerm].pTxn = pCTPCC_ODBC_new(
szServer, szUser, szPassword, szMyComputerName, szDatabase );
        else if (Reg.eDB_Protocol == DBLIB)
            Term.pClientData[iNewTerm].pTxn = pCTPCC_DBLIB_new(
szServer, szUser, szPassword, szMyComputerName, szDatabase );
    }
    catch (...)
    {
        TermDelete(iNewTerm);
        throw; // pass exception upward
    }

    MakeMainMenuForm(iNewTerm, Term.pClientData[iNewTerm].iSyncId, szBuffer);
}

/* FUNCTION: StatsCmd
 * PURPOSE:      This function returns to the browser the total number of active
terminal ids.
 *              This routine is for development/debugging purposes.
 *
 */

void StatsCmd(EXTENSION_CONTROL_BLOCK *pECB, char *szBuffer)
{
    int i;
    int    iTotals;

    EnterCriticalSection(&TermCriticalSection);

```

```

    iTotals = 0;
    for(i=0; i<Term.iNumEntries; i++)
    {
        if (Term.pClientData[i].iNextFree == -1)
            iTotals++;
    }

    LeaveCriticalSection(&TermCriticalSection);

    wsprintf( szBuffer,
        "<HTML><HEAD><TITLE>TPC-C Web Client
Stats</TITLE></HEAD>"
        "<BODY><B><BIG> Total Active Connections: %d
</BIG></B><BR></BODY></HTML>"
        , iTotals );
}

char *CWEBCLNT_ERR::ErrorText()
{
    static SERRORMSG errorMsgs[] =
    {
        {
            ERR_COMMAND_UNDEFINED,
            "Command undefined."
        },
        {
            ERR_D_ID_INVALID,
            "Invalid District ID Must be 1 to 10."
        },
        {
            ERR_DELIVERY_CARRIER_ID_RANGE,
            "Delivery Carrier ID out of range must be 1 - 10."
        },
        {
            ERR_DELIVERY_CARRIER_INVALID,
            "Delivery Carrier ID invalid must be numeric 1 - 10."
        },
        {
            ERR_DELIVERY_MISSING_OCD_KEY,
            "Delivery missing Carrier ID key \"OCD*\"."
        },
        {
            ERR_DELIVERY_THREAD_FAILED,
            "Could not start delivery worker thread."
        },
        {
            ERR_GETPROCADDR_FAILED,
            "Could not map proc in DLL. GetProcAddress error. DLL="
        },
        {
            ERR_HTML_ILL_FORMED,
            "Required key field is missing from HTML string."
        },
        {
            ERR_INVALID_SYNC_CONNECTION,
            "Invalid Terminal Sync ID."
        },
        {
            ERR_INVALID_TERMID,
            "Invalid Terminal ID."
        },
        {
            ERR_LOADDLL_FAILED,
            "Load of DLL failed. DLL="
        },
        {
            ERR_MAX_CONNECTIONS_EXCEEDED,
            "No
connections available. Max Connections is probably too low."
        },
        {
            ERR_MISSING_REGISTRY_ENTRIES,
            "Required registry entries are missing. Rerun INSTALL to correct."
        },
        {
            ERR_NEWORDER_CUSTOMER_INVALID,
            "New Order customer id invalid data type, range = 1 to 3000."
        }
    },

```

```

    {
        ERR_NEWORDER_CUSTOMER_KEY,
        "New Order missing Customer key \"CID*\"."
    },
    {
        ERR_NEWORDER_DISTRICT_INVALID,
        "New Order District ID Invalid range 1 - 10."
    },
    {
        ERR_NEWORDER_FORM_MISSING_DID,
        "New Order missing District key \"DID*\"."
    },
    {
        ERR_NEWORDER_ITEMID_INVALID,
        "New Order Item Id is wrong data type, must be numeric."
    },
    {
        ERR_NEWORDER_ITEMID_RANGE,
        "New Order Item Id is out of range. Range = 1 to 999999."
    },
    {
        ERR_NEWORDER_ITEMID_WITHOUT_SUPPW,
        "New Order Item Id field entered without a corresponding Supp_W."
    },
    {
        ERR_NEWORDER_MISSING_IID_KEY,
        "Order missing Item Id key \"IID*\"."
    },
    {
        ERR_NEWORDER_MISSING_QTY_KEY,
        "Order Missing Qty key \"Qty##*\"."
    },
    {
        ERR_NEWORDER_MISSING_SUPPW_KEY,
        "New Order missing Supp_W key \"SP##*\"."
    },
    {
        ERR_NEWORDER_NOITEMS_ENTERED,
        "Order No order lines entered."
    },
    {
        ERR_NEWORDER_QTY_INVALID,
        "New Order Qty invalid must be numeric range 1 - 99."
    },
    {
        ERR_NEWORDER_QTY_RANGE,
        "New Order Qty is out of range. Range = 1 to 99."
    },
    {
        ERR_NEWORDER_QTY_WITHOUT_SUPPW,
        "New Order Qty field entered without a corresponding Supp_W."
    },
    {
        ERR_NEWORDER_SUPPW_INVALID,
        "New Order Supp_W invalid data type must be numeric."
    },
    {
        ERR_NO_SERVER_SPECIFIED,
        "No Server name specified."
    },
    {
        ERR_ORDERSTATUS_CID_AND_CLT,
        "Order Status Only Customer ID or Last Name may be entered, not both."
    },
    {
        ERR_ORDERSTATUS_CID_INVALID,
        "Order Status Customer ID invalid, range must be numeric 1 - 3000."
    },
    {
        ERR_ORDERSTATUS_CLT_RANGE,
        "Order Status Customer last name longer than 16 characters."
    },
    {
        ERR_ORDERSTATUS_DID_INVALID,
        "Order Status District invalid, value must be numeric 1 - 10."
    },
    {
        ERR_ORDERSTATUS_MISSING_CID_CLT,
        "Order Status Either Customer ID or Last Name must be entered."
    },
    {
        ERR_ORDERSTATUS_MISSING_CID_KEY,
        "Order Status missing Customer key \"CID*\"."
    },
    {
        ERR_ORDERSTATUS_MISSING_CLT_KEY,
        "Order Status missing Customer Last Name key \"CLT*\"."
    },

```

```

    {
        ERR_ORDERSTATUS_MISSING_DID_KEY,
        "Order Status missing District key \"DID*\"."
    },
    {
        ERR_PAYMENT_CDI_INVALID,
        "Payment Customer district invalid must be numeric."
    },
    {
        ERR_PAYMENT_CID_AND_CLT,
        "Payment Only Customer ID or Last Name may be entered, not both."
    },
    {
        ERR_PAYMENT_CUSTOMER_INVALID,
        "Payment Customer data type invalid, must be numeric."
    },
    {
        ERR_PAYMENT_CWI_INVALID,
        "Payment Customer Warehouse invalid, must be numeric."
    },
    {
        ERR_PAYMENT_DISTRICT_INVALID,
        "Payment District ID is invalid, must be 1 - 10."
    },
    {
        ERR_PAYMENT_HAM_INVALID,
        "Payment Amount invalid data type must be numeric."
    },
    {
        ERR_PAYMENT_HAM_RANGE,
        "Payment Amount out of range, 0 - 9999.99."
    },
    {
        ERR_PAYMENT_LAST_NAME_TOO_LONG,
        "Payment Customer last name longer than 16 characters."
    },
    {
        ERR_PAYMENT_MISSING_CDI_KEY,
        "Payment missing Customer district key \"CDI*\"."
    },
    {
        ERR_PAYMENT_MISSING_CID_CLT,
        "Payment Either Customer ID or Last Name must be entered."
    },
    {
        ERR_PAYMENT_MISSING_CID_KEY,
        "Payment missing Customer Key \"CID*\"."
    },
    {
        ERR_PAYMENT_MISSING_CLT_KEY,
        "Payment missing Customer Last Name key \"CLT*\"."
    },
    {
        ERR_PAYMENT_MISSING_CWI_KEY,
        "Payment missing Customer Warehouse key \"CWI*\"."
    },
    {
        ERR_PAYMENT_MISSING_DID_KEY,
        "Payment missing District Key \"DID*\"."
    },
    {
        ERR_PAYMENT_MISSING_HAM_KEY,
        "Payment missing Amount key \"HAM*\"."
    },
    {
        ERR_STOCKLEVEL_MISSING_THRESHOLD_KEY,
        "missing Threshold key \"TT*\"."
    },
    {
        ERR_STOCKLEVEL_THRESHOLD_INVALID,
        "Stock Level; Threshold value must be in the range = 1 - 99."
    },
    {
        ERR_STOCKLEVEL_THRESHOLD_RANGE,
        "Stock Level Threshold out of range, range must be 1 - 99."
    },
    {
        ERR_VERSION_MISMATCH,
        "Invalid version field. RTE and Web Client are probably out of sync."
    },
    {
        ERR_W_ID_INVALID,
        "Invalid Warehouse ID."
    },

```

```

        {
            0,
            ""
        }
    };

    char szTmp[256];
    int i = 0;
    while (TRUE)
    {
        if (errorMsgs[i].szMsg[0] == 0)
        {
            strcpy( szTmp, "Unknown error number. " );
            break;
        }
        if (m_Error == errorMsgs[i].iError)
        {
            strcpy( szTmp, errorMsgs[i].szMsg );
            break;
        }
        i++;
    }

    if (m_szTextDetail)
        strcat( szTmp, m_szTextDetail );
    if (m_SystemErr)
        sprintf( szTmp+strlen(szTmp), " Error=%d", m_SystemErr );

    m_szErrorText = new char[strlen(szTmp)+1];
    strcpy( m_szErrorText, szTmp );
    return m_szErrorText;
}

/* FUNCTION: GetKeyValue
 *
 * PURPOSE:      This function parses a http formatted string for specific key
 values.
 *
 * ARGUMENTS:   char          *pQueryString      http string
 from client browser
                char          *pKey
                char          *pValue
                char          character array into which to place key's value
                int          maximum length of key value array.
                WEBERROR     error
 *
 * RETURNS:     nothing.
 *
 * ERROR:       if (the pKey value is not found) then
                if (err == 0)
                    return (empty string)
                else
                    throw CWEBCLNT_ERR(err)
 *
 * COMMENTS:    http keys are formatted either KEY=value& or KEY=value\0. This
 DLL formats
 *
                TPC-C input fields in such a manner that the
 keys can be extracted in the
 *
                above manner.

```

```

*/
void GetKeyValue(char **pQueryString, char *pKey, char *pValue, int iMax, WEBERROR
err)
{
    char *ptr;

    if ( !(ptr=strstr(*pQueryString, pKey)) )
        goto ErrorExit;
    ptr += strlen(pKey);
    if ( *ptr != '-' )
        goto ErrorExit;
    ptr++;

    iMax--; // one position is for terminating null
    while( *ptr && *ptr != '&' && iMax)
    {
        *pValue++ = *ptr++;
        iMax--;
    }
    *pValue = 0; // terminating null

    *pQueryString = ptr;
    return;

ErrorExit:
    if (err != NO_ERR)
        throw new CWEBCLNT_ERR( err );
    *pValue = 0; // return empty result string
}

/* FUNCTION: GetIntKeyValue
 *
 * PURPOSE:      This function parses a http formatted string for a specific key
 value.
 *
 * ARGUMENTS:   char          *pQueryString      http string
 from client browser
                char          *pKey
                char          *pValue
                WEBERROR     NoKeyErr
                error value to throw if key not found
                WEBERROR     NotIntErr
                error value to throw if value not numeric
 *
 * RETURNS:     integer
 *
 * ERROR:       if (the pKey value is not found) then
                if (NoKeyErr != NO_ERR)
                    throw CWEBCLNT_ERR(err)
                else
                    return 0
                else if (non-numeric char found) then
                if (NotIntErr != NO_ERR) then
                    throw CWEBCLNT_ERR(err)
                else
                    return 0
 *
 * COMMENTS:    http keys are formatted either KEY=value& or KEY=value\0. This
 DLL formats
 *
                TPC-C input fields in such a manner that the
 keys can be extracted in the
 *
                above manner.

```

```

*/
int GetIntKeyValue(char **pQueryString, char *pKey, WEBERROR NoKeyErr, WEBERROR
NotIntErr)
{
    char *ptr0;
    char *ptr;

    if ( !(ptr=strstr(*pQueryString, pKey)) )
        goto ErrorNoKey;
    ptr += strlen(pKey);
    if ( *ptr != '=' )
        goto ErrorNoKey;
    ptr++;

    ptr0 = ptr;                // remember starting point
    // scan string until a terminator (null or &) or a non-digit
    while( *ptr && *ptr != '&' && isdigit(*ptr) )
        ptr++;

    // make sure we stopped scanning for the right reason
    if ((ptr0 == ptr) || (*ptr && *ptr != '&'))
    {
        if (NotIntErr != NO_ERR)
            throw new CWEBCLNT_ERR( NoKeyErr );
        return 0;
    }

    *pQueryString = ptr;
    return atoi(ptr0);
}

ErrorNoKey:
if (NoKeyErr != NO_ERR)
    throw new CWEBCLNT_ERR( NoKeyErr );
return 0;
}

/* FUNCTION: TermInit
*
* PURPOSE:      This function initializes the client terminal structure; it is
called when the TPCC.DLL
*
*              is first loaded by the inet service.
*
*/

void TermInit(void)
{
    EnterCriticalSection(&TermCriticalSection);

    Term.iMasterSyncId = 1;
    Term.iNumEntries = Reg.dwMaxConnections+1;

    Term.pClientData = NULL;
    Term.pClientData = (PCLIENTDATA)malloc(Term.iNumEntries *
sizeof(CLIENTDATA));
    if (Term.pClientData == NULL)
    {
        LeaveCriticalSection(&TermCriticalSection);
        throw new CWEBCLNT_ERR( ERR_MEM_ALLOC_FAILED );
    }

    ZeroMemory( Term.pClientData, Term.iNumEntries * sizeof(CLIENTDATA) );
}

```

```

Term.iFreeList = Term.iNumEntries-1;
// build free list
// note: Term.pClientData[0].iNextFree gets set to -1, which marks it as
"in use".
// This is intentional, as the zero entry is used as an anchor and
never
// allocated as an actual terminal.
for(int i=0; i<Term.iNumEntries; i++)
    Term.pClientData[i].iNextFree = i-1;

LeaveCriticalSection(&TermCriticalSection);
}

/* FUNCTION: TermDeleteAll
*
* PURPOSE:      This function frees allocated resources associated with the
terminal structure.
*
* ARGUMENTS:   none
*
* RETURNS:     None
*
* COMMENTS:    This function is called only when the inet service unloads the
TPCC.DLL
*/

void TermDeleteAll(void)
{
    EnterCriticalSection(&TermCriticalSection);

    for(int i=1; i<Term.iNumEntries; i++)
    {
        if (Term.pClientData[i].iNextFree == -1)
            delete Term.pClientData[i].pTxn;
    }

    Term.iFreeList = 0;
    Term.iNumEntries = 0;
    if ( Term.pClientData )
        free(Term.pClientData);
    Term.pClientData = NULL;

    LeaveCriticalSection(&TermCriticalSection);
}

/* FUNCTION: TermAdd
*
* PURPOSE:      This function assigns a terminal id which is used to identify a
client browser.
*
* RETURNS:     int assigned terminal id
*
*/

int TermAdd(void)
{
    DWORD i;
    int iNewTerm, iTickCount;

    if (Term.iNumEntries == 0)
        return -1;
}

```

```

EnterCriticalSection(&TermCriticalSection);
if (Term.iFreeList != 0)
{
    // position is available
    iNewTerm = Term.iFreeList;
    Term.iFreeList = Term.pClientData[iNewTerm].iNextFree;
    Term.pClientData[iNewTerm].iNextFree = -1; // indicates this
position is in use
}
else
{
    // no open slots, so find the slot that hasn't been used in the
longest time and reuse it
    for(iNewTerm=1, i=1, iTickCount=0x7FFFFFFF;
i<Reg.dwMaxConnections; i++)
    {
        if (iTickCount > Term.pClientData[i].iTickCount)
        {
            iTickCount = Term.pClientData[i].iTickCount;
            iNewTerm = i;
        }
    }
    // if oldest term is less than one minute old, it probably means
that more connections
// are being attempted than were specified as "Max Connections"
at install. In this case,
// do not bump existing connection; instead, return error to
requestor.
    if ((GetTickCount() - iTickCount) < 60000)
    {
        LeaveCriticalSection(&TermCriticalSection);
        throw new CWBCLNT_ERR( ERR_MAX_CONNECTIONS_EXCEEDED
);
    }
}

Term.pClientData[iNewTerm].iTickCount = GetTickCount();
Term.pClientData[iNewTerm].iSyncId = Term.iMasterSyncId++;
Term.pClientData[iNewTerm].pTxn = NULL;

LeaveCriticalSection(&TermCriticalSection);
return iNewTerm;
}

/* FUNCTION: TermDelete
*
* PURPOSE:      This function makes a terminal entry in the Term array available
for reuse.
*
* ARGUMENTS:   int          id
               Terminal id of client exiting
*
*/
void TermDelete(int id)
{
    if ( id > 0 && id < Term.iNumEntries )
    {
        delete Term.pClientData[id].pTxn;

        // put onto free list
        EnterCriticalSection(&TermCriticalSection);

        Term.pClientData[id].iNextFree = Term.iFreeList;
        Term.iFreeList = id;
    }
}

```

```

}
LeaveCriticalSection(&TermCriticalSection);
}

/* FUNCTION: MakeErrorForm
*/
void ErrorForm(EXTENSION_CONTROL_BLOCK *pECB, int iType, int iErrorNum, int iTermId,
int iSyncId, char *szErrorText, char *szBuffer )
{
    wsprintf(szBuffer,
"<HTML><HEAD><TITLE>TPC-C Error</TITLE></HEAD><BODY>"
"<FORM ACTION=\"tpcc.dll\" METHOD=\"GET\">"
"<INPUT TYPE=\"hidden\" NAME=\"STATUSID\" VALUE=\"%d\">"
"<INPUT TYPE=\"hidden\" NAME=\"ERROR\" VALUE=\"%d\">"
"<INPUT TYPE=\"hidden\" NAME=\"FORMID\" VALUE=\"%d\">"
"<INPUT TYPE=\"hidden\" NAME=\"TERMIN\" VALUE=\"%d\">"
"<INPUT TYPE=\"hidden\" NAME=\"SYNCID\" VALUE=\"%d\">"
"<BOLD>An Error Occurred</BOLD><BR><BR>"
"%s"
"<BR><BR><HR>"
"<INPUT TYPE=\"submit\" NAME=\"CMD\" VALUE=\"..NewOrder..\">"
"<INPUT TYPE=\"submit\" NAME=\"CMD\" VALUE=\"..Payment..\">"
"<INPUT TYPE=\"submit\" NAME=\"CMD\" VALUE=\"..Delivery..\">"
"<INPUT TYPE=\"submit\" NAME=\"CMD\" VALUE=\"..Order-
Status..\">"
"<INPUT TYPE=\"submit\" NAME=\"CMD\" VALUE=\"..Stock-Level..\">"
"<INPUT TYPE=\"submit\" NAME=\"CMD\" VALUE=\"..Exit..\">"
"</FORM></BODY></HTML>"
, iType, iErrorNum, MAIN_MENU_FORM, iTermId, iSyncId,
szErrorText );
}

/* FUNCTION: MakeMainMenuForm
*/
void MakeMainMenuForm(int iTermId, int iSyncId, char *szForm)
{
    wsprintf(szForm,
"<HTML><HEAD><TITLE>TPC-C Main Menu</TITLE></HEAD><BODY>"
"Select Desired Transaction.<BR><HR>"
"<FORM ACTION=\"tpcc.dll\" METHOD=\"GET\">"
"<INPUT TYPE=\"hidden\" NAME=\"STATUSID\" VALUE=\"0\">"
"<INPUT TYPE=\"hidden\" NAME=\"ERROR\" VALUE=\"0\">"
"<INPUT TYPE=\"hidden\" NAME=\"FORMID\" VALUE=\"%d\">"
"<INPUT TYPE=\"hidden\" NAME=\"TERMIN\" VALUE=\"%d\">"
"<INPUT TYPE=\"hidden\" NAME=\"SYNCID\" VALUE=\"%d\">"
"<INPUT TYPE=\"submit\" NAME=\"CMD\" VALUE=\"..NewOrder..\">"
"<INPUT TYPE=\"submit\" NAME=\"CMD\" VALUE=\"..Payment..\">"
"<INPUT TYPE=\"submit\" NAME=\"CMD\" VALUE=\"..Delivery..\">"
"<INPUT TYPE=\"submit\" NAME=\"CMD\" VALUE=\"..Order-
Status..\">"
"<INPUT TYPE=\"submit\" NAME=\"CMD\" VALUE=\"..Stock-Level..\">"
"<INPUT TYPE=\"submit\" NAME=\"CMD\" VALUE=\"..Exit..\">"
"</FORM></BODY></HTML>"
, MAIN_MENU_FORM, iTermId, iSyncId);
}

/* FUNCTION: MakeStockLevelForm
*
* PURPOSE:      This function constructs the Stock Level HTML page.

```

```

*
* COMMENTS:      The internal client buffer is created when the terminal id is
assigned and should not
*
*                  be freed except when the client terminal id
is no longer needed.
*/

void MakeStockLevelForm(int iTermId, STOCK_LEVEL_DATA *pStockLevelData, BOOL bInput,
char *szForm)
{
    int    c;

    c = wsprintf(szForm,
        "<HTML><HEAD><TITLE>TPC-C Stock Level</TITLE></HEAD><FORM
ACTION=\"tpcc.dll\" METHOD=\"GET\">"
        "<INPUT TYPE=\"hidden\" NAME=\"STATUSID\" VALUE=\"0\">"
        "<INPUT TYPE=\"hidden\" NAME=\"ERROR\" VALUE=\"0\">"
        "<INPUT TYPE=\"hidden\" NAME=\"FORMID\" VALUE=\"%d\">"
        "<INPUT TYPE=\"hidden\" NAME=\"TERMINID\" VALUE=\"%d\">"
        "<INPUT TYPE=\"hidden\" NAME=\"SYNCID\" VALUE=\"%d\">"
        "<PRE><font face=\"Courier\">"
Stock-Level<BR>"
        "Warehouse: %4.4d District: %2.2d<BR> <BR>",
        STOCK_LEVEL_FORM, iTermId, Term.pClientData[iTermId].iSyncId,
        Term.pClientData[iTermId].w_id, Term.pClientData[iTermId].d_id);

    if ( bInput )
    {
        strcpy(szForm+c,
            "Stock Level Threshold: <INPUT NAME=\"TT*\"
SIZE=2><BR> <BR>"
            "low stock:  </font><BR> <BR> <BR> <BR> <BR> <BR>"
<BR> <BR> <BR> <BR>"
            " <BR> <BR> <BR> <BR> <BR> <BR> <BR><PRE><HR>"
            "<INPUT TYPE=\"submit\" NAME=\"CMD\""
VALUE=\"Process\">"
            "<INPUT TYPE=\"submit\" NAME=\"CMD\" VALUE=\"Menu\">"
            "</FORM></HTML>" );
    }
    else
    {
        wsprintf(szForm+c,
            "Stock Level Threshold: %2.2d<BR> <BR>"
            "low stock: %3.3d</font> <BR> <BR> <BR> <BR> <BR> <BR>"
<BR> <BR> <BR>"
            " <BR> <BR> <BR> <BR> <BR> <BR> <BR><PRE><HR>"
            "<INPUT TYPE=\"submit\" NAME=\"CMD\""
VALUE=\"..NewOrder..\">"
            "<INPUT TYPE=\"submit\" NAME=\"CMD\""
VALUE=\"..Payment..\">"
            "<INPUT TYPE=\"submit\" NAME=\"CMD\""
VALUE=\"..Delivery..\">"
            "<INPUT TYPE=\"submit\" NAME=\"CMD\" VALUE=\"..Order-
Status..\">"
            "<INPUT TYPE=\"submit\" NAME=\"CMD\" VALUE=\"..Stock-
Level..\">"
            "<INPUT TYPE=\"submit\" NAME=\"CMD\""
VALUE=\"..Exit..\">"
            "</FORM></HTML>"
            , pStockLevelData->threshold, pStockLevelData-
>low_stock);
    }
}

```

```

/* FUNCTION: MakeNewOrderForm
*
* COMMENTS:      The internal client buffer is created when the terminal id is
assigned and should not
*
*                  be freed except when the client terminal id
is no longer needed.
*/

void MakeNewOrderForm(int iTermId, NEW_ORDER_DATA *pNewOrderData, BOOL bInput, char
*szForm)
{
    int    i, c;
    BOOL   bValid;
    static char szBR[] = " <BR> <BR> <BR> <BR> <BR> <BR> <BR> <BR> <BR>
<BR> <BR> <BR> <BR> <BR> <BR>";

    if (!bInput)
        assert( pNewOrderData->exec_status_code == eOK || pNewOrderData-
>exec_status_code == eInvalidItem );

    bValid = (bInput || (pNewOrderData->exec_status_code == eOK));

    c = wsprintf(szForm,
        "<HTML><HEAD><TITLE>TPC-C New Order</TITLE></HEAD><BODY>"
        "<FORM ACTION=\"tpcc.dll\" METHOD=\"GET\">"
        "<INPUT TYPE=\"hidden\" NAME=\"STATUSID\" VALUE=\"%d\">"
        "<INPUT TYPE=\"hidden\" NAME=\"ERROR\" VALUE=\"0\">"
        "<INPUT TYPE=\"hidden\" NAME=\"FORMID\" VALUE=\"%d\">"
        "<INPUT TYPE=\"hidden\" NAME=\"TERMINID\" VALUE=\"%d\">"
        "<INPUT TYPE=\"hidden\" NAME=\"SYNCID\" VALUE=\"%d\">"
        "<PRE><font face=\"Courier\">"
New Order<BR>"
        , bValid ? 0 : ERR_BAD_ITEM_ID, NEW_ORDER_FORM, iTermId,
        Term.pClientData[iTermId].iSyncId);

    if ( bInput )
    {
        c += wsprintf(szForm+c, "Warehouse: %4.4d  ",
            Term.pClientData[iTermId].w_id );

        strcpy( szForm+c,
            "District: <INPUT NAME=\"DID*\" SIZE=1>
Date:<BR>"
            "Customer: <INPUT NAME=\"CID*\" SIZE=4>  Name:
Credit:      %Disc:<BR>"
            "Order Number:      Number of Lines:
W_tax:      D_tax:<BR> <BR>"
            " Supp_W Item_Id Item Name      Qty
Stock B/G Price  Amount<BR>"
            " <INPUT NAME=\"SP00*\" SIZE=4> <INPUT
NAME=\"IID00*\" SIZE=6>
SIZE=1><BR>"
            " <INPUT NAME=\"SP01*\" SIZE=4> <INPUT
NAME=\"IID01*\" SIZE=6>
SIZE=1><BR>"
            " <INPUT NAME=\"SP02*\" SIZE=4> <INPUT
NAME=\"IID02*\" SIZE=6>
SIZE=1><BR>"
            " <INPUT NAME=\"SP03*\" SIZE=4> <INPUT
NAME=\"IID03*\" SIZE=6>
SIZE=1><BR>"
            " <INPUT NAME=\"QtY00*\"
<INPUT NAME=\"QtY01*\"
<INPUT NAME=\"QtY02*\"
<INPUT NAME=\"QtY03*\"

```



```

NAME=\IID04*\ " SIZE=6>      " <INPUT NAME=\ "SP04*\ " SIZE=4> <INPUT
SIZE=1><BR>"                <INPUT NAME=\ "Qty04*\ "
NAME=\IID05*\ " SIZE=6>      " <INPUT NAME=\ "SP05*\ " SIZE=4> <INPUT
SIZE=1><BR>"                <INPUT NAME=\ "Qty05*\ "
NAME=\IID06*\ " SIZE=6>      " <INPUT NAME=\ "SP06*\ " SIZE=4> <INPUT
SIZE=1><BR>"                <INPUT NAME=\ "Qty06*\ "
NAME=\IID07*\ " SIZE=6>      " <INPUT NAME=\ "SP07*\ " SIZE=4> <INPUT
SIZE=1><BR>"                <INPUT NAME=\ "Qty07*\ "
NAME=\IID08*\ " SIZE=6>      " <INPUT NAME=\ "SP08*\ " SIZE=4> <INPUT
SIZE=1><BR>"                <INPUT NAME=\ "Qty08*\ "
NAME=\IID09*\ " SIZE=6>      " <INPUT NAME=\ "SP09*\ " SIZE=4> <INPUT
SIZE=1><BR>"                <INPUT NAME=\ "Qty09*\ "
NAME=\IID10*\ " SIZE=6>      " <INPUT NAME=\ "SP10*\ " SIZE=4> <INPUT
SIZE=1><BR>"                <INPUT NAME=\ "Qty10*\ "
NAME=\IID11*\ " SIZE=6>      " <INPUT NAME=\ "SP11*\ " SIZE=4> <INPUT
SIZE=1><BR>"                <INPUT NAME=\ "Qty11*\ "
NAME=\IID12*\ " SIZE=6>      " <INPUT NAME=\ "SP12*\ " SIZE=4> <INPUT
SIZE=1><BR>"                <INPUT NAME=\ "Qty12*\ "
NAME=\IID13*\ " SIZE=6>      " <INPUT NAME=\ "SP13*\ " SIZE=4> <INPUT
SIZE=1><BR>"                <INPUT NAME=\ "Qty13*\ "
NAME=\IID14*\ " SIZE=6>      " <INPUT NAME=\ "SP14*\ " SIZE=4> <INPUT
SIZE=1><BR>"                <INPUT NAME=\ "Qty14*\ "

"Execution Status:
Total:<BR>"
</font></PRE><HR>"
" <INPUT TYPE=\ "submit\ " NAME=\ "CMD\ "
" <INPUT TYPE=\ "submit\ " NAME=\ "CMD\ " VALUE=\ "Menu\ ">"
" </FORM></HTML>"
);
}
else
{
c += sprintf(szForm+c, "Warehouse: %4.4d District: %2.2d
pNewOrderData->w_id,
pNewOrderData->d_id);
if ( bValid )
{
c += sprintf(szForm+c, "%2.2d-%2.2d-%4.4d
pNewOrderData->o_entry_d.day,
pNewOrderData->o_entry_d.month,
pNewOrderData->o_entry_d.year,
pNewOrderData->o_entry_d.hour,
pNewOrderData->o_entry_d.minute,
pNewOrderData->o_entry_d.second);
}
c += sprintf(szForm+c, "<BR>Customer: %4.4d Name: %16s
Credit: %2s ",

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```

pNewOrderData->c_id, pNewOrderData->c_last,
pNewOrderData->c_credit);
if ( bValid )
{
c += sprintf(szForm+c,
"%Disc: %5.2f
"Order Number: %8.8d
" <BR> <BR>"
Number of Lines: %2.2d W_tax: %5.2f D_tax: %5.2f <BR> <BR>"
" Supp_W Item_Id Item
Name Qty Stock B/G Price Amount<BR>",
100.0*pNewOrderData->c_discount,
pNewOrderData->o_id,
pNewOrderData->o_ol_cnt,
100.0 * pNewOrderData->w_tax,
100.0 * pNewOrderData->d_tax);
for(i=0; i<pNewOrderData->o_ol_cnt; i++)
{
c += sprintf(szForm+c, " %4.4d %6.6d %-
24s %2.2d %3.3d %1.1s %6.2f %7.2f <BR>",
pNewOrderData-
pNewOrderData->OL[i].ol_i_id,
pNewOrderData->OL[i].ol_i_name,
pNewOrderData->OL[i].ol_quantity,
pNewOrderData->OL[i].ol_stock,
pNewOrderData-
pNewOrderData->OL[i].ol_brand_generic,
pNewOrderData->OL[i].ol_i_price,
pNewOrderData->OL[i].ol_amount );
}
}
else
{
c += sprintf(szForm+c,
"%Disc:<BR>"
"Order Number: %8.8d Number of Lines:
W_tax: D_tax:<BR> <BR>"
" Supp_W Item_Id Item Name
Qty Stock B/G Price Amount<BR>"
, pNewOrderData->o_id);
i = 0;
}
strncpy( szForm+c, szBR, (15-i)*5 );
c += (15-i)*5;
if ( bValid )
c += sprintf(szForm+c, "Execution Status: Transaction
Total: %8.2f ",
pNewOrderData->total_amount);
else
c += sprintf(szForm+c, "Execution Status: Item number
Total:");
strcpy(szForm+c,
" <BR></font></PRE><HR>"
" <INPUT TYPE=\ "submit\ " NAME=\ "CMD\ "
VALUE=\ "..NewOrder..">"

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VALUE=\ "..Payment..\ ">"
" <INPUT TYPE=\ "submit\ " NAME=\ "CMD\ "
" <INPUT TYPE=\ "submit\ " NAME=\ "CMD\ "
VALUE=\ "..Delivery..\ ">"
" <INPUT TYPE=\ "submit\ " NAME=\ "CMD\ " VALUE=\ "..Order-
Status..\ ">"
" <INPUT TYPE=\ "submit\ " NAME=\ "CMD\ " VALUE=\ "..Stock-
Level..\ ">"
" <INPUT TYPE=\ "submit\ " NAME=\ "CMD\ "
VALUE=\ "..Exit..\ ">"
" </FORM></HTML>"
);
}
}
/* FUNCTION: MakePaymentForm
*
* COMMENTS: The internal client buffer is created when the terminal id is
assigned and should not be freed except when the client terminal id
is no longer needed.
*/
void MakePaymentForm(int iTermId, PAYMENT_DATA *pPaymentData, BOOL bInput, char
*szForm)
{
int c;
c = sprintf(szForm,
" <HTML><HEAD><TITLE>TPC-C Payment</TITLE></HEAD><BODY>"
" <FORM ACTION=\ "tpcc.dll\ " METHOD=\ "GET\ ">"
" <INPUT TYPE=\ "hidden\ " NAME=\ "STATUSID\ " VALUE=\ "0\ ">"
" <INPUT TYPE=\ "hidden\ " NAME=\ "ERROR\ " VALUE=\ "0\ ">"
" <INPUT TYPE=\ "hidden\ " NAME=\ "FORMID\ " VALUE=\ "%d\ ">"
" <INPUT TYPE=\ "hidden\ " NAME=\ "TERMINID\ " VALUE=\ "%d\ ">"
" <INPUT TYPE=\ "hidden\ " NAME=\ "SYNCID\ " VALUE=\ "%d\ ">"
" <PRE><font face=\ "Courier\ ">
Payment<BR>"
"Date: "
, PAYMENT_FORM, iTermId, Term.pClientData[iTermId].iSyncId);
if ( !bInput )
{
c += sprintf(szForm+c, "%2.2d-%2.2d-%4.4d %2.2d:%2.2d:%2.2d",
pPaymentData->h_date.day,
pPaymentData->h_date.month,
pPaymentData->h_date.year,
pPaymentData->h_date.hour,
pPaymentData->h_date.minute,
pPaymentData->h_date.second);
}
if ( bInput )
{
c += sprintf(szForm+c,
"<BR> <BR>Warehouse: %4.4d"
" District: <INPUT
NAME=\ "DID*\ " SIZE=1><BR> <BR> <BR> <BR> <BR>"
"Customer: <INPUT NAME=\ "CID*\ " SIZE=4>"
"Cust-Warehouse: <INPUT NAME=\ "CWI*\ " SIZE=4> "
"Cust-District: <INPUT NAME=\ "CDI*\ " SIZE=1><BR>"
"Name: <INPUT NAME=\ "CLT*\ "
SIZE=16> Since:<BR>"

```

```

"
Credit:<BR>"
"
Disc:<BR>"
"
Phone:<BR> <BR>"
"Amount Paid: $<INPUT NAME=\ "HAM*\ " SIZE=7>
New Cust-Balance:<BR>"
"Credit Limit:<BR> <BR>Cust-Data: <BR> <BR> <BR> <BR>
<BR></font></PRE><HR>"
" <INPUT TYPE=\ "submit\ " NAME=\ "CMD\ "
VALUE=\ "Process\ "><INPUT TYPE=\ "submit\ " NAME=\ "CMD\ " VALUE=\ "Menu\ ">"
" </BODY></FORM></HTML>"
, Term.pClientData[iTermId].w_id);
}
else
{
c += sprintf(szForm+c,
"<BR> <BR>Warehouse: %4.4d
" %20s %20s <BR>"
" %20s %20s <BR>"
" %20s %2s %5.5s-%4.4s %20s %2s %5.5s-
%4.4s<BR> <BR>"
"Customer: %4.4d Cust-Warehouse: %4.4d Cust-
District: %2.2d<BR>"
"Name: %16s %2s %16s Since: %2.2d-%2.2d-
%4.4d<BR>"
" %20s Credit: %2s<BR>"
, Term.pClientData[iTermId].w_id, pPaymentData->d_id
, pPaymentData->w_street_1, pPaymentData->d_street_1
, pPaymentData->w_street_2, pPaymentData->d_street_2
, pPaymentData->w_city, pPaymentData->w_state,
pPaymentData->w_zip, pPaymentData->w_zip+5
, pPaymentData->d_city, pPaymentData->d_state,
pPaymentData->d_zip, pPaymentData->d_zip+5
, pPaymentData->c_id, pPaymentData->c_w_id,
pPaymentData->c_d_id
, pPaymentData->c_first, pPaymentData->c_middle,
pPaymentData->c_last
, pPaymentData->c_since.day, pPaymentData-
>c_since.month, pPaymentData->c_since.year
, pPaymentData->c_street_1, pPaymentData->c_credit
);
c += sprintf(szForm+c,
" %20s %%Disc:
%5.2f<BR>",
pPaymentData->c_street_2, 100.0*pPaymentData-
>c_discount);
c += sprintf(szForm+c,
" %20s %2s %5.5s-%4.4s Phone: %6.6s-
%3.3s-%3.3s-%4.4s<BR> <BR>",
pPaymentData->c_city, pPaymentData->c_state,
pPaymentData->c_zip, pPaymentData->c_zip+5,
pPaymentData->c_phone, pPaymentData->c_phone+6,
pPaymentData->c_phone+9, pPaymentData->c_phone+12 );
c += sprintf(szForm+c,
"Amount Paid: $$7.2f New Cust-Balance:
$%14.2f<BR>"

```

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"Credit Limit:  $%13.2f<BR> <BR>"
, pPaymentData->h_amount, pPaymentData->c_balance
, pPaymentData->c_credit_lim
);

if ( pPaymentData->c_credit[0] == 'B' && pPaymentData-
>c_credit[1] == 'C' )
    c += sprintf(szForm+c,
        "Cust-Data: %50.50s<BR>
%50.50s<BR>          %50.50s<BR>
pPaymentData->c_data,
pPaymentData->c_data+50, pPaymentData->c_data+100, pPaymentData->c_data+150 );
    else
        strcpy(szForm+c, "Cust-Data: <BR> <BR> <BR> <BR>");
        strcat(szForm, " <BR></font></PRE><HR>"
            " <INPUT TYPE=\"submit\"
NAME=\"CMD\" VALUE=\"..NewOrder..\">"
            " <INPUT TYPE=\"submit\"
NAME=\"CMD\" VALUE=\"..Payment..\">"
            " <INPUT TYPE=\"submit\"
NAME=\"CMD\" VALUE=\"..Delivery..\">"
            " <INPUT TYPE=\"submit\"
NAME=\"CMD\" VALUE=\"..Order-Status..\">"
            " <INPUT TYPE=\"submit\"
NAME=\"CMD\" VALUE=\"..Stock-Level..\">"
            " <INPUT TYPE=\"submit\"
NAME=\"CMD\" VALUE=\"..Exit..\">"
            "</BODY></FORM></HTML>");
    }
}

/* FUNCTION: MakeOrderStatusForm
 *
 * COMMENTS:      The internal client buffer is created when the terminal id is
assigned and should not
 *                               be freed except when the client terminal id
is no longer needed.
 */

void MakeOrderStatusForm(int iTermId, ORDER_STATUS_DATA *pOrderStatusData, BOOL
bInput, char *szForm)
{
    int i, c;
    static char szBR[] = " <BR> <BR> <BR> <BR> <BR> <BR> <BR> <BR> <BR> <BR>
<BR> <BR> <BR> <BR> <BR>";
    c = sprintf(szForm,
        "<HTML><HEAD><TITLE>TPC-C Order-Status</TITLE></HEAD><BODY>"
        "<FORM ACTION=\"tpcc.dll\" METHOD=\"GET\">"
        "<INPUT TYPE=\"hidden\" NAME=\"STATUSID\" VALUE=\"0\">"
        "<INPUT TYPE=\"hidden\" NAME=\"ERROR\" VALUE=\"0\">"
        "<INPUT TYPE=\"hidden\" NAME=\"FORMID\" VALUE=\"%d\">"
        "<INPUT TYPE=\"hidden\" NAME=\"TERMINID\" VALUE=\"%d\">"
        "<INPUT TYPE=\"hidden\" NAME=\"SYNCID\" VALUE=\"%d\">"
        "<PRE><font face=\"Courier\">"
Order-Status<BR>"
        "Warehouse: %4.4d ",
ORDER_STATUS_FORM, iTermId, Term.pClientData[iTermId].iSyncId,
Term.pClientData[iTermId].w_id);

```

```

if ( bInput )
{
    strcpy(szForm+c,
        "District: <INPUT NAME=\"DID\" SIZE=1><BR>"
        "Customer: <INPUT NAME=\"CID\" SIZE=4> Name:"
<INPUT NAME=\"CLT*\" SIZE=23><BR>"
        "Cust-Balance:<BR> <BR>"
        "Order-Number:           Entry-Date:"
Carrier-Number:<BR>"
        "Supply-W  Item-Id  Qty  Amount  Delivery-
Date<BR> <BR> <BR> <BR> <BR>" " <BR> <BR> <BR> <BR> <BR> <BR> <BR> <BR> <BR>
<BR></font></PRE>"
        "<HR><INPUT TYPE=\"submit\" NAME=\"CMD\" "
VALUE=\"Process\"><INPUT TYPE=\"submit\" NAME=\"CMD\" VALUE=\"Menu\">"
        "</BODY></FORM></HTML>");
    }
    else
    {
        c += sprintf(szForm+c,
            "District: %2.2d<BR>"
            "Customer: %4.4d Name: %16s %2s %16s<BR>",
pOrderStatusData->d_id, pOrderStatusData->c_id,
pOrderStatusData->c_first, pOrderStatusData->c_middle,
pOrderStatusData->c_last);
        c += sprintf(szForm+c, "Cust-Balance: $%9.2f<BR> <BR>",
            pOrderStatusData->c_balance);
        c += sprintf(szForm+c,
            "Order-Number: %8.8d Entry-Date: %2.2d-%2.2d-%4.4d
%2.2d:%2.2d:%2.2d Carrier-Number: %2.2d<BR>"
            "Supply-W  Item-Id  Qty  Amount  Delivery-
Date<BR>",
            pOrderStatusData->o_id,
pOrderStatusData->o_entry_d.day,
pOrderStatusData->o_entry_d.month,
pOrderStatusData->o_entry_d.year,
pOrderStatusData->o_entry_d.hour,
pOrderStatusData->o_entry_d.minute,
pOrderStatusData->o_entry_d.second,
pOrderStatusData->o_carrier_id);
        for(i=0; i< pOrderStatusData->o_ol_cnt; i++)
        {
            c += sprintf(szForm+c, " %4.4d %6.6d %2.2d
%8.2f %2.2d-%2.2d-%4.4d<BR>",
                pOrderStatusData->OL[i].ol_supply_w_id,
pOrderStatusData->OL[i].ol_i_id,
pOrderStatusData->OL[i].ol_quantity,
pOrderStatusData->OL[i].ol_amount,
pOrderStatusData->OL[i].ol_delivery_d.day,
pOrderStatusData->OL[i].ol_delivery_d.month,
pOrderStatusData->OL[i].ol_delivery_d.year);
        }
        strncpy( szForm+c, szBR, (15-i)*5 );
        c += (15-i)*5;
        strcpy(szForm+c,
            "</font></PRE><HR><INPUT TYPE=\"submit\" NAME=\"CMD\" "
VALUE=\"..NewOrder..\">"

```

```

VALUE=\"..Payment..\">"
"INPUT TYPE=\"submit\" NAME=\"CMD\"
"INPUT TYPE=\"submit\" NAME=\"CMD\"
VALUE=\"..Delivery..\">"
"INPUT TYPE=\"submit\" NAME=\"CMD\" VALUE=\"..Order-
Status..\">"
"INPUT TYPE=\"submit\" NAME=\"CMD\" VALUE=\"..Stock-
Level..\">"
"INPUT TYPE=\"submit\" NAME=\"CMD\"
VALUE=\"..Exit..\">"
"INPUT TYPE=\"submit\" NAME=\"CMD\"
"/BODY></FORM></HTML>" );
}
}
/* FUNCTION: MakeDeliveryForm
*
* COMMENTS: The internal client buffer is created when the terminal id is
assigned and should not be freed except when the client terminal id
is no longer needed.
*/
void MakeDeliveryForm(int iTermId, DELIVERY_DATA *pDeliveryData, BOOL bInput, char
*szForm)
{
    int c;
    c = sprintf(szForm,
        "<HTML><HEAD><TITLE>TPC-C Delivery</TITLE></HEAD><BODY>"
        "<FORM ACTION=\"tpcc.dll\" METHOD=\"GET\">"
        "<INPUT TYPE=\"hidden\" NAME=\"STATUSID\" VALUE=\"%d\">"
        "<INPUT TYPE=\"hidden\" NAME=\"ERROR\" VALUE=\"0\">"
        "<INPUT TYPE=\"hidden\" NAME=\"FORMID\" VALUE=\"%d\">"
        "<INPUT TYPE=\"hidden\" NAME=\"TERMINID\" VALUE=\"%d\">"
        "<INPUT TYPE=\"hidden\" NAME=\"SYNCID\" VALUE=\"%d\">"
        "<PRE><font face=\"Courier\">"
        Delivery<BR>"
        "Warehouse: %4.4d<BR> <BR>",
        (bInput && (pDeliveryData->exec_status_code != eOK)) ?
        ERR_TYPE_DELIVERY_POST : 0,
        DELIVERY_FORM, iTermId, Term.pClientData[iTermId].iSyncId,
        Term.pClientData[iTermId].w_id);
    if ( bInput )
    {
        strcpy( szForm+c,
            "Carrier Number: <INPUT NAME=\"OCD*\" SIZE=1><BR>"
            "Execution Status: <BR> <BR> <BR> <BR> <BR> <BR> <BR>"
            " <BR> <BR> <BR> <BR> <BR> <BR> <BR> <BR>"
            "<INPUT TYPE=\"submit\" NAME=\"CMD\">"
            "<INPUT TYPE=\"submit\" NAME=\"CMD\" VALUE=\"Menu\">"
            "</BODY></FORM></HTML>" );
    }
    else
    {
        sprintf( szForm+c,
            "Carrier Number: %2.2d<BR> <BR>"
            "Execution Status: %s <BR> <BR> <BR> <BR> <BR> <BR>"
            <BR> <BR>"

```

```

" <BR> <BR> <BR> <BR> <BR> <BR> <BR> <BR>
</font></PRE>"
" <HR><INPUT TYPE=\"submit\" NAME=\"CMD\">"
VALUE=\"..NewOrder..\">"
"INPUT TYPE=\"submit\" NAME=\"CMD\">"
VALUE=\"..Payment..\">"
"INPUT TYPE=\"submit\" NAME=\"CMD\">"
VALUE=\"..Delivery..\">"
"INPUT TYPE=\"submit\" NAME=\"CMD\" VALUE=\"..Order-
Status..\">"
"INPUT TYPE=\"submit\" NAME=\"CMD\" VALUE=\"..Stock-
Level..\">"
"INPUT TYPE=\"submit\" NAME=\"CMD\">"
VALUE=\"..Exit..\">"
"/BODY></FORM></HTML>"
, pDeliveryData->o_carrier_id,
(pDeliveryData->exec_status_code == eOK) ? "Delivery
has been queued." : "Delivery Post Failed "
);
}
}
/* FUNCTION: ProcessNewOrderForm
*
* PURPOSE: This function gets and validates the input data from the new
order form filling in the required input variables. it then calls
the SQLNewOrder transaction, constructs the output form and writes it
back to client browser.
*/
void ProcessNewOrderForm(EXTENSION_CONTROL_BLOCK *pECB, int iTermId, char
*szBuffer)
{
    PNEW_ORDER_DATA pNewOrder;
    pNewOrder = Term.pClientData[iTermId].pTxn->BuffAddr_NewOrder();
    ZeroMemory(pNewOrder, sizeof(NEW_ORDER_DATA));
    pNewOrder->w_id = Term.pClientData[iTermId].w_id;
    GetNewOrderData(pECB->lpszQueryString, pNewOrder);
    Term.pClientData[iTermId].pTxn->NewOrder();
    pNewOrder = Term.pClientData[iTermId].pTxn->BuffAddr_NewOrder();
    MakeNewOrderForm(iTermId, pNewOrder, OUTPUT_FORM, szBuffer );
}
/* FUNCTION: void ProcessPaymentForm
*
* PURPOSE: This function gets and validates the input data from the payment
form filling in the required input variables. It then calls
the SQLPayment transaction, constructs the output form and writes it
back to client browser.
*
* ARGUMENTS: EXTENSION_CONTROL_BLOCK *pECB passed in structure
pointer from inetsrv.

```

```

*
*           int
*           iTermId  client browser terminal id
*/
void ProcessPaymentForm(EXTENSION_CONTROL_BLOCK *pECB, int iTermId, char *szBuffer)
{
    PPAYMENT_DATA    pPayment;

    pPayment = Term.pClientData[iTermId].pTxn->BuffAddr_Payment();
    ZeroMemory(pPayment, sizeof(PAYMENT_DATA));
    pPayment->w_id = Term.pClientData[iTermId].w_id;
    GetPaymentData(pECB->lpszQueryString, pPayment);

    Term.pClientData[iTermId].pTxn->Payment();

    pPayment = Term.pClientData[iTermId].pTxn->BuffAddr_Payment();
    MakePaymentForm(iTermId, pPayment, OUTPUT_FORM, szBuffer);
}

/* FUNCTION: ProcessOrderStatusForm
*
* PURPOSE:      This function gets and validates the input data from the Order
* Status
*               form filling in the required input variables. It then
* calls the
*               SQLOrderStatus transaction, constructs the output form
* and writes it
*               back to client browser.
*
* ARGUMENTS:   EXTENSION_CONTROL_BLOCK    *pECB    passed in structure
*               pointer from inetsrv.
*               int
*               iTermId  client browser terminal id
*/
void ProcessOrderStatusForm(EXTENSION_CONTROL_BLOCK *pECB, int iTermId, char
*szBuffer)
{
    PORDER_STATUS_DATA  pOrderStatus;

    pOrderStatus = Term.pClientData[iTermId].pTxn->BuffAddr_OrderStatus();
    ZeroMemory(pOrderStatus, sizeof(ORDER_STATUS_DATA));
    pOrderStatus->w_id = Term.pClientData[iTermId].w_id;
    GetOrderStatusData(pECB->lpszQueryString, pOrderStatus);

    Term.pClientData[iTermId].pTxn->OrderStatus();

    pOrderStatus = Term.pClientData[iTermId].pTxn->BuffAddr_OrderStatus();
    MakeOrderStatusForm(iTermId, pOrderStatus, OUTPUT_FORM, szBuffer);
}

/* FUNCTION: ProcessDeliveryForm
*
* PURPOSE:      This function gets and validates the input data from the
* delivery form
*               filling in the required input variables. It then calls
* the PostDeliveryInfo
*               Api, The client is then informed that the transaction
* has been posted.
*
*/

```

```

* ARGUMENTS:   EXTENSION_CONTROL_BLOCK    *pECB    passed in structure
*               pointer from inetsrv.
*               int
*               iTermId  client browser terminal id
*/
void ProcessDeliveryForm(EXTENSION_CONTROL_BLOCK *pECB, int iTermId, char *szBuffer)
{
    char          *ptr = pECB->lpszQueryString;

    PDELIVERY_DATA  pDelivery;

    pDelivery = Term.pClientData[iTermId].pTxn->BuffAddr_Delivery();
    ZeroMemory(pDelivery, sizeof(DELIVERY_DATA));
    pDelivery->w_id = Term.pClientData[iTermId].w_id;

    pDelivery->o_carrier_id = GetIntKeyValue(&ptr, "OCD*",
ERR_DELIVERY_MISSING_OCD_KEY, ERR_DELIVERY_CARRIER_INVALID);
    if ( pDelivery->o_carrier_id > 10 || pDelivery->o_carrier_id < 1 )
        throw new CWBCLNT_ERR( ERR_DELIVERY_CARRIER_ID_RANGE );

    if (dwNumDeliveryThreads)
    {
        //post delivery info
        if ( PostDeliveryInfo(pDelivery->w_id, pDelivery->o_carrier_id)

        )
            pDelivery->exec_status_code = eDeliveryFailed;
        else
            pDelivery->exec_status_code = eOK;
    }
    else // delivery is done synchronously if no delivery threads configured
        Term.pClientData[iTermId].pTxn->Delivery();

    pDelivery = Term.pClientData[iTermId].pTxn->BuffAddr_Delivery();
    MakeDeliveryForm(iTermId, pDelivery, OUTPUT_FORM, szBuffer);
}

/* FUNCTION: ProcessStockLevelForm
*
* PURPOSE:      This function gets and validates the input data from the Stock
* Level
*               form filling in the required input variables. It then
* calls the
*               SQLStockLevel transaction, constructs the output form
* and writes it
*               back to client browser.
*
* ARGUMENTS:   EXTENSION_CONTROL_BLOCK    *pECB    passed in structure
*               pointer from inetsrv.
*               int
*               iTermId  client browser terminal id
*/
void ProcessStockLevelForm(EXTENSION_CONTROL_BLOCK *pECB, int iTermId, char
*szBuffer)
{
    char          *ptr = pECB->lpszQueryString;

    PSTOCK_LEVEL_DATA  pStockLevel;

    pStockLevel = Term.pClientData[iTermId].pTxn->BuffAddr_StockLevel();
}

```

```

ZeroMemory( pStockLevel, sizeof(STOCK_LEVEL_DATA) );

pStockLevel->w_id = Term.pClientData[iTermId].w_id;
pStockLevel->d_id = Term.pClientData[iTermId].d_id;

pStockLevel->threshold = GetIntKeyValue(&ptr, "TT*",
ERR_STOCKLEVEL_MISSING_THRESHOLD_KEY, ERR_STOCKLEVEL_THRESHOLD_INVALID);
if ( pStockLevel->threshold >= 100 || pStockLevel->threshold < 0 )
    throw new CWBCLNT_ERR( ERR_STOCKLEVEL_THRESHOLD_RANGE );

Term.pClientData[iTermId].pTxn->StockLevel();

pStockLevel = Term.pClientData[iTermId].pTxn->BuffAddr_StockLevel();
MakeStockLevelForm(iTermId, pStockLevel, OUTPUT_FORM, szBuffer);
}

/* FUNCTION: GetNewOrderData
 *
 * PURPOSE:          This function extracts and validates the new order form data
from an http command string.
 *
 * ARGUMENTS:      LPSTR          lpszQueryString
client browser http command string
 *                  NEW_ORDER_DATA    *pNewOrderData
pointer to new order data structure
 *
 */

void GetNewOrderData(LPSTR lpszQueryString, NEW_ORDER_DATA *pNewOrderData)
{
    char    szTmp[26];
    int     i;
    short   items;
    int     ol_i_id, ol_quantity;
    char    *ptr = lpszQueryString;

    static char szSP[MAX_OL_NEW_ORDER_ITEMS][6] =
    { "SP00*", "SP01*", "SP02*", "SP03*", "SP04*",
      "SP05*", "SP06*", "SP07*", "SP08*", "SP09*",
      "SP10*", "SP11*", "SP12*", "SP13*", "SP14*" };
    static char szIID[MAX_OL_NEW_ORDER_ITEMS][7] =
    { "IID00*", "IID01*", "IID02*", "IID03*", "IID04*",
      "IID05*", "IID06*", "IID07*", "IID08*", "IID09*",
      "IID10*", "IID11*", "IID12*", "IID13*", "IID14*" };
    static char szQty[MAX_OL_NEW_ORDER_ITEMS][7] =
    { "Qty00*", "Qty01*", "Qty02*", "Qty03*", "Qty04*",
      "Qty05*", "Qty06*", "Qty07*", "Qty08*", "Qty09*",
      "Qty10*", "Qty11*", "Qty12*", "Qty13*", "Qty14*" };

    pNewOrderData->d_id = GetIntKeyValue(&ptr, "DID*",
ERR_NEWORDER_FORM_MISSING_DID, ERR_NEWORDER_DISTRICT_INVALID);
    pNewOrderData->c_id = GetIntKeyValue(&ptr, "CID*",
ERR_NEWORDER_CUSTOMER_KEY, ERR_NEWORDER_CUSTOMER_INVALID);

    for(i=0, items=0; i<MAX_OL_NEW_ORDER_ITEMS; i++)
    {
        GetKeyValue(&ptr, szSP[i], szTmp, sizeof(szTmp),
ERR_NEWORDER_MISSING_SUPPW_KEY);
        if ( szTmp[0] )
        {
            if ( !IsNumeric(szTmp) )
                throw new CWBCLNT_ERR(
ERR_NEWORDER_SUPPW_INVALID );

```

```

        pNewOrderData->OL[items].ol_supply_w_id =
(short)atoi(szTmp);

        ol_i_id = pNewOrderData->OL[items].ol_i_id =
            GetIntKeyValue(&ptr, szIID[i],
ERR_NEWORDER_MISSING_IID_KEY, ERR_NEWORDER_ITEMID_INVALID);
        if ( ol_i_id > 999999 || ol_i_id < 1 )
            throw new CWBCLNT_ERR(
ERR_NEWORDER_ITEMID_RANGE );

        ol_quantity = pNewOrderData->OL[items].ol_quantity =
            GetIntKeyValue(&ptr, szQty[i],
ERR_NEWORDER_MISSING_QTY_KEY, ERR_NEWORDER_QTY_INVALID);
        if ( ol_quantity > 99 || ol_quantity < 1 )
            throw new CWBCLNT_ERR(
ERR_NEWORDER_QTY_RANGE );

        items++;
    }
    else
    { // nothing entered for supply warehouse, so item id
and qty must also be blank
        GetKeyValue(&ptr, szIID[i], szTmp, sizeof(szTmp),
ERR_NEWORDER_MISSING_IID_KEY);
        if ( szTmp[0] )
            throw new CWBCLNT_ERR(
ERR_NEWORDER_ITEMID_WITHOUT_SUPPW );
        GetKeyValue(&ptr, szQty[i], szTmp, sizeof(szTmp),
ERR_NEWORDER_MISSING_QTY_KEY);
        if ( szTmp[0] )
            throw new CWBCLNT_ERR(
ERR_NEWORDER_QTY_WITHOUT_SUPPW );
    }
    if ( items == 0 )
        throw new CWBCLNT_ERR( ERR_NEWORDER_NOITEMS_ENTERED );
    pNewOrderData->o_ol_cnt = items;
}

/* FUNCTION: GetPaymentData
 *
 * PURPOSE:          This function extracts and validates the payment form data from
an http command string.
 *
 * ARGUMENTS:      LPSTR          lpszQueryString
client browser http command string
 *                  PAYMENT_DATA    *pPaymentData
pointer to payment data structure
 *
 */

void GetPaymentData(LPSTR lpszQueryString, PAYMENT_DATA *pPaymentData)
{
    char    szTmp[26];
    char    *ptr = lpszQueryString;
    BOOL    bCustIdBlank;

    pPaymentData->d_id = GetIntKeyValue(&ptr, "DID*",
ERR_PAYMENT_MISSING_DID_KEY, ERR_PAYMENT_DISTRICT_INVALID);

    GetKeyValue(&ptr, "CID*", szTmp, sizeof(szTmp),
ERR_PAYMENT_MISSING_CID_KEY);

```

```

    if ( szTmp[0] == 0 )
    {
        bCustIdBlank = TRUE;
        pPaymentData->c_id = 0;
    }
    else
    {
        // parse customer id and verify that last name was NOT entered
        bCustIdBlank = FALSE;
        if ( !IsNumeric(szTmp) )
            throw new CWBCLNT_ERR( ERR_PAYMENT_CUSTOMER_INVALID
);
        pPaymentData->c_id = atoi(szTmp);
    }

    pPaymentData->c_w_id = GetIntKeyValue(&ptr, "CWI*",
ERR_PAYMENT_MISSING_CWI_KEY, ERR_PAYMENT_CWI_INVALID);
    pPaymentData->c_d_id = GetIntKeyValue(&ptr, "CDI*",
ERR_PAYMENT_MISSING_CDI_KEY, ERR_PAYMENT_CDI_INVALID);

    if ( bCustIdBlank )
    {
        // customer id is blank, so last name must be entered
        GetKeyValue(&ptr, "CLT*", szTmp, sizeof(szTmp),
ERR_PAYMENT_MISSING_CLT_KEY);
        if ( szTmp[0] == 0 )
            throw new CWBCLNT_ERR( ERR_PAYMENT_MISSING_CID_CLT );

        _strupr( szTmp );
        if ( strlen(pPaymentData->c_last) > LAST_NAME_LEN )
            throw new CWBCLNT_ERR( ERR_PAYMENT_LAST_NAME_TO_LONG
);
        strcpy(pPaymentData->c_last, szTmp);
    }
    else
    {
        // parse customer id and verify that last name was NOT entered
        GetKeyValue(&ptr, "CLT*", szTmp, sizeof(szTmp),
ERR_PAYMENT_MISSING_CLT_KEY);
        if ( szTmp[0] != 0 )
            throw new CWBCLNT_ERR( ERR_PAYMENT_CID_AND_CLT );
    }

    GetKeyValue(&ptr, "HAM*", szTmp, sizeof(szTmp),
ERR_PAYMENT_MISSING_HAM_KEY);
    if ( !IsDecimal(szTmp) )
        throw new CWBCLNT_ERR( ERR_PAYMENT_HAM_INVALID );
    pPaymentData->h_amount = atof(szTmp);
    if ( pPaymentData->h_amount >= 10000.00 || pPaymentData->h_amount < 0 )
        throw new CWBCLNT_ERR( ERR_PAYMENT_HAM_RANGE );
}

/* FUNCTION: GetOrderStatusData
 *
 * PURPOSE:      This function extracts and validates the payment form data from
an http command string.
 *
 */
void GetOrderStatusData(LPSTR lpszQueryString, ORDER_STATUS_DATA *pOrderStatusData)
{
    char    szTmp[26];
    char    *ptr = lpszQueryString;

    pOrderStatusData->d_id = GetIntKeyValue(&ptr, "DID*",
ERR_ORDERSTATUS_MISSING_DID_KEY, ERR_ORDERSTATUS_DID_INVALID);

```

```

        GetKeyValue(&ptr, "CID*", szTmp, sizeof(szTmp),
ERR_ORDERSTATUS_MISSING_CID_KEY);
        if ( szTmp[0] == 0 )
        {
            // customer id is blank, so last name must be entered
            pOrderStatusData->c_id = 0;
            GetKeyValue(&ptr, "CLT*", szTmp, sizeof(szTmp),
ERR_ORDERSTATUS_MISSING_CLT_KEY);
            if ( szTmp[0] == 0 )
                throw new CWBCLNT_ERR(
ERR_ORDERSTATUS_MISSING_CID_CLT );

            _strupr( szTmp );
            if ( strlen(pOrderStatusData->c_last) > LAST_NAME_LEN )
                throw new CWBCLNT_ERR( ERR_ORDERSTATUS_CLT_RANGE );
            strcpy(pOrderStatusData->c_last, szTmp);
        }
        else
        {
            // parse customer id and verify that last name was NOT entered
            if ( !IsNumeric(szTmp) )
                throw new CWBCLNT_ERR( ERR_ORDERSTATUS_CID_INVALID );
            pOrderStatusData->c_id = atoi(szTmp);
            GetKeyValue(&ptr, "CLT*", szTmp, sizeof(szTmp),
ERR_ORDERSTATUS_MISSING_CLT_KEY);
            if ( szTmp[0] != 0 )
                throw new CWBCLNT_ERR( ERR_ORDERSTATUS_CID_AND_CLT );
        }
}

/* FUNCTION: BOOL IsNumeric(char *ptr)
 *
 * PURPOSE:      This function determines if a string is numeric. It fails if any
characters other
 *
 *                than numeric and null terminator are present.
 *
 * ARGUMENTS:    char                *ptr        pointer to string to
check.
 *
 * RETURNS:      BOOL                FALSE      if string is not all numeric
 *
 *                TRUE                if string
contains only numeric characters i.e. '0' - '9'
 */
BOOL IsNumeric(char *ptr)
{
    if ( *ptr == 0 )
        return FALSE;

    while( *ptr && isdigit(*ptr) )
        ptr++;
    return ( !*ptr );
}

/* FUNCTION: BOOL IsDecimal(char *ptr)
 *
 * PURPOSE:      This function determines if a string is a non-negative decimal
value.
 *
 *                It fails if any characters other than a series of numbers followed by
 *
 *                a decimal point, another series of numbers, and a null
terminator are present.
 *
 * ARGUMENTS:    char                *ptr        pointer to string to
check.

```

```

*
* RETURNS:          BOOL      FALSE   if string is not a valid non-
negative decimal value
*
*                  TRUE      if string is
OK
*/

BOOL IsDecimal(char *ptr)
{
    char *dotptr;
    BOOL  bValid;

    if ( *ptr == 0 )
        return FALSE;

    // find decimal point
    dotptr = strchr( ptr, '.' );
    if (dotptr == NULL)
        // no decimal point, so just check for numeric
        return IsNumeric(ptr);
    *dotptr = 0; // temporarily replace decimal with a terminator

    if ( *ptr != 0 )
        bValid = IsNumeric(ptr);
    // string starts with decimal point
    else if (*(dotptr+1) == 0)
        return FALSE; // nothing but a decimal point is bad
    else
        bValid = TRUE;

    if (*(dotptr+1) != 0)
        // check text after decimal point
        bValid &= IsNumeric(dotptr+1);

    *dotptr = '.'; // replace decimal point
    return bValid;
}

```

tpcc.def

LIBRARY TPCC.DLL

EXPORTS

```

GetExtensionVersion @1
HttpExtensionProc  @2
TerminateExtension @3

```

tpcc.h

```

/*      FILE:          TPCC.H
*
*      Microsoft TPC-C Kit Ver. 4.20.000
*      Copyright Microsoft, 1999
*
*      All Rights Reserved
*
*      Version 4.10.000 audited by Richard Gimarc,
Performance Metrics, 3/17/99
*
*      PURPOSE:  Header file for ISAPI TPCC.DLL, defines structures and functions
used in the isapi tpcc.dll.

```

```

*
*/

//VERSION RESOURCE DEFINES
#define _APS_NEXT_RESOURCE_VALUE          101
#define _APS_NEXT_COMMAND_VALUE         40001
#define _APS_NEXT_CONTROL_VALUE         1000
#define _APS_NEXT_SYMED_VALUE           101

#define TP_MAX_RETRIES
50

//note that the welcome form must be processed first as terminal ids assigned here,
once the
//terminal id is assigned then the forms can be processed in any order.
#define WELCOME_FORM                      1
//beginning form no term id assigned, form id
#define MAIN_MENU_FORM                    2
//term id assigned main menu form id
#define NEW_ORDER_FORM                    3
//new order form id
#define PAYMENT_FORM                       4
//payment form id
#define DELIVERY_FORM                      5
//delivery form id
#define ORDER_STATUS_FORM                  6
//order status id
#define STOCK_LEVEL_FORM                   7
//stock level form id

//This macro is used to prevent the compiler error unused formal parameter
#define UNUSEDPARAM(x) (x = x)

//This structure defines the data necessary to keep distinct for each terminal or
client connection.
typedef struct _CLIENTDATA
{
    int          iNextFree;
    //index of next free element or -1 if this entry in use.
    int          w_id;
    //warehouse id assigned at welcome form
    int          d_id;
    //district id assigned at welcome form

    int          iSyncId;
    //synchronization id
    int          iTickCount;
    //time of last access;

    CTPC_BASE    *pTxn;
} CLIENTDATA, *PCLIENTDATA;

//This structure is used to define the operational interface for terminal id support
typedef struct _TERM
{
    int          iNumEntries;
    //total allocated terminal array entries

```



```

int          iFreeList;
              //next available terminal array element or -1 if none
int          iMasterSyncId;
              //synchronization id
CLIENTDATA  *pClientData;
              //pointer to allocated client data
} TERM;

typedef TERM *PTERM;
              //pointer to terminal structure type

enum WEBERROR
{
    NO_ERR,
    ERR_COMMAND_UNDEFINED,
    ERR_D_ID_INVALID,
    ERR_DELIVERY_CARRIER_ID_RANGE,
    ERR_DELIVERY_CARRIER_INVALID,
    ERR_DELIVERY_MISSING_OCD_KEY,
    ERR_DELIVERY_THREAD_FAILED,
    ERR_GETPROCADDR_FAILED,
    ERR_HTML_ILL_FORMED,
    ERR_INVALID_SYNC_CONNECTION,
    ERR_INVALID_TERMID,
    ERR_LOADDLL_FAILED,
    ERR_MAX_CONNECTIONS_EXCEEDED,
    ERR_MEM_ALLOC_FAILED,
    ERR_MISSING_REGISTRY_ENTRIES,
    ERR_NEWORDER_CUSTOMER_INVALID,
    ERR_NEWORDER_CUSTOMER_KEY,
    ERR_NEWORDER_DISTRICT_INVALID,
    ERR_NEWORDER_FORM_MISSING_DID,
    ERR_NEWORDER_ITEMID_INVALID,
    ERR_NEWORDER_ITEMID_RANGE,
    ERR_NEWORDER_ITEMID_WITHOUT_SUPPW,
    ERR_NEWORDER_MISSING_IID_KEY,
    ERR_NEWORDER_MISSING_QTY_KEY,
    ERR_NEWORDER_MISSING_SUPPW_KEY,
    ERR_NEWORDER_NOITEMS_ENTERED,
    ERR_NEWORDER_QTY_INVALID,
    ERR_NEWORDER_QTY_RANGE,
    ERR_NEWORDER_QTY_WITHOUT_SUPPW,
    ERR_NEWORDER_SUPPW_INVALID,
    ERR_NO_SERVER_SPECIFIED,
    ERR_ORDERSTATUS_CID_AND_CLT,
    ERR_ORDERSTATUS_CID_INVALID,
    ERR_ORDERSTATUS_CLT_RANGE,
    ERR_ORDERSTATUS_DID_INVALID,
    ERR_ORDERSTATUS_MISSING_CID_CLT,
    ERR_ORDERSTATUS_MISSING_CID_KEY,
    ERR_ORDERSTATUS_MISSING_CLT_KEY,
    ERR_ORDERSTATUS_MISSING_DID_KEY,
    ERR_PAYMENT_CDI_INVALID,
    ERR_PAYMENT_CID_AND_CLT,
    ERR_PAYMENT_CUSTOMER_INVALID,
    ERR_PAYMENT_CWI_INVALID,
    ERR_PAYMENT_DISTRICT_INVALID,
    ERR_PAYMENT_HAM_INVALID,
    ERR_PAYMENT_HAM_RANGE,
    ERR_PAYMENT_LAST_NAME_TO_LONG,
    ERR_PAYMENT_MISSING_CDI_KEY,
    ERR_PAYMENT_MISSING_CID_CLT,

```

```

    ERR_PAYMENT_MISSING_CID_KEY,
    ERR_PAYMENT_MISSING_CLT,
    ERR_PAYMENT_MISSING_CLT_KEY,
    ERR_PAYMENT_MISSING_CWI_KEY,
    ERR_PAYMENT_MISSING_DID_KEY,
    ERR_PAYMENT_MISSING_HAM_KEY,
    ERR_STOCKLEVEL_MISSING_THRESHOLD_KEY,
    ERR_STOCKLEVEL_THRESHOLD_INVALID,
    ERR_STOCKLEVEL_THRESHOLD_RANGE,
    ERR_VERSION_MISMATCH,
    ERR_W_ID_INVALID
};

class CWEBCLNT_ERR : public CBaseErr
{
public:
    CWEBCLNT_ERR(WEBERROR Err)
    {
        m_Error = Err;
        m_szTextDetail = NULL;
        m_SystemErr = 0;
        m_szErrorText = NULL;
    };

    CWEBCLNT_ERR(WEBERROR Err, char *szTextDetail, DWORD
dwSystemErr)
    {
        m_Error = Err;
        m_szTextDetail = new char[strlen(szTextDetail)+1];
        strcpy( m_szTextDetail, szTextDetail );
        m_SystemErr = dwSystemErr;
        m_szErrorText = NULL;
    };

    ~CWEBCLNT_ERR()
    {
        if (m_szTextDetail != NULL)
            delete [] m_szTextDetail;
        if (m_szErrorText != NULL)
            delete [] m_szErrorText;
    };

    WEBERROR m_Error;
    char      *m_szTextDetail;    //
    char      *m_szErrorText;
    DWORD     m_SystemErr;

    int ErrorType() {return ERR_TYPE_WEBDLL;};
    int ErrorNum() {return m_Error;};
    char *ErrorText();

};

//These constants have already been defined in engstut.h, but since we do
//not want to include it in the delisrv executable
#define TXN_EVENT_START      2
#define TXN_EVENT_STOP      4
#define TXN_EVENT_WARNING   6           //used to record a warning into
the log

//function prototypes

```

```

BOOL APIENTRY DllMain(HANDLE hModule, DWORD ul_reason_for_call, LPVOID lpReserved);
void WriteMessageToEventLog(LPTSTR lpszMsg);
void ProcessQueryString(EXTENSION_CONTROL_BLOCK *pECB, int *pCmd, int *pFormId, int *pTermId, int *pSyncId);
void WelcomeForm(EXTENSION_CONTROL_BLOCK *pECB, char *szBuffer);
void SubmitCmd(EXTENSION_CONTROL_BLOCK *pECB, char *szBuffer);
void BeginCmd(EXTENSION_CONTROL_BLOCK *pECB, int iFormId, int iTermId);
void ProcessCmd(EXTENSION_CONTROL_BLOCK *pECB, int iFormId, int iTermId);
void StatsCmd(EXTENSION_CONTROL_BLOCK *pECB, char *szBuffer);
void ErrorMessage(EXTENSION_CONTROL_BLOCK *pECB, int iError, int iErrorType, char *szMsg, int iTermId);
void GetKeyValue(char **pQueryString, char *pKey, char *pValue, int iMax, WEBERROR err);
int GetIntKeyValue(char **pQueryString, char *pKey, WEBERROR NoKeyErr, WEBERROR NotIntErr);
void TermInit(void);
void TermDeleteAll(void);
int TermAdd(void);
void TermDelete(int id);
void ErrorForm(EXTENSION_CONTROL_BLOCK *pECB, int iType, int iErrorNum, int iTermId, int iSyncId, char *szErrorText, char *szBuffer);
void MakeMainMenuForm(int iTermId, int iSyncId, char *szForm);
void MakeStockLevelForm(int iTermId, STOCK_LEVEL_DATA *pStockLevelData, BOOL bInput, char *szForm);
void MakeNewOrderForm(int iTermId, NEW_ORDER_DATA *pNewOrderData, BOOL bInput, char *szForm);
void MakePaymentForm(int iTermId, PAYMENT_DATA *pPaymentData, BOOL bInput, char *szForm);
void MakeOrderStatusForm(int iTermId, ORDER_STATUS_DATA *pOrderStatusData, BOOL bInput, char *szForm);
void MakeDeliveryForm(int iTermId, DELIVERY_DATA *pDeliveryData, BOOL bInput, char *szForm);
void ProcessNewOrderForm(EXTENSION_CONTROL_BLOCK *pECB, int iTermId, char *szBuffer);
void ProcessPaymentForm(EXTENSION_CONTROL_BLOCK *pECB, int iTermId, char *szBuffer);
void ProcessOrderStatusForm(EXTENSION_CONTROL_BLOCK *pECB, int iTermId, char *szBuffer);
void ProcessDeliveryForm(EXTENSION_CONTROL_BLOCK *pECB, int iTermId, char *szBuffer);
void ProcessStockLevelForm(EXTENSION_CONTROL_BLOCK *pECB, int iTermId, char *szBuffer);
void GetNewOrderData(LPSTR lpszQueryString, NEW_ORDER_DATA *pNewOrderData);
void GetPaymentData(LPSTR lpszQueryString, PAYMENT_DATA *pPaymentData);
void GetOrderStatusData(LPSTR lpszQueryString, ORDER_STATUS_DATA *pOrderStatusData);
BOOL PostDeliveryInfo(short w_id, short o_carrier_id);
BOOL IsNumeric(char *ptr);
BOOL IsDecimal(char *ptr);
void DeliveryWorkerThread(void *ptr);

```

tpcc.rc

```

//Microsoft Developer Studio generated resource script.
//
#include "resource.h"

#define APSTUDIO_READONLY_SYMBOLS
////////////////////////////////////
//
// Generated from the TEXTINCLUDE 2 resource.
//
#include "afxres.h"

```

```

////////////////////////////////////
#undef APSTUDIO_READONLY_SYMBOLS

////////////////////////////////////
// English (U.S.) resources

#if !defined(APX_RESOURCE_DLL) || defined(APX_TARG_ENU)
#ifdef WIN32
LANGUAGE LANG_ENGLISH, SUBLANG_ENGLISH_US
#pragma code_page(1252)
#endif // WIN32

#ifdef MAC
////////////////////////////////////
//
// Version
//

VS_VERSION_INFO VERSIONINFO
FILEVERSION 0,4,0,0
PRODUCTVERSION 0,4,0,0
FILEFLAGSMASK 0x3fL
#ifdef _DEBUG
FILEFLAGS 0x1L
#else
FILEFLAGS 0x0L
#endif
FILEOS 0x40004L
FILETYPE 0x2L
FILESUBTYPE 0x0L
BEGIN
BLOCK "StringFileInfo"
BEGIN
BLOCK "040904b0"
BEGIN
VALUE "Comments", "TPC-C HTML DLL Server (DBLIB)\0"
VALUE "CompanyName", "Microsoft\0"
VALUE "FileDescription", "TPC-C HTML DLL Server (DBLIB)\0"
VALUE "FileVersion", "0, 4, 0, 0\0"
VALUE "InternalName", "tpcc\0"
VALUE "LegalCopyright", "Copyright © 1997\0"
VALUE "OriginalFilename", "tpcc.dll\0"
VALUE "ProductName", "Microsoft tpcc\0"
VALUE "ProductVersion", "0, 4, 0, 0\0"
END
END
BLOCK "VarFileInfo"
BEGIN
VALUE "Translation", 0x409, 1200
END
END

#endif // !MAC

#ifdef APSTUDIO_INVOKED
////////////////////////////////////
//
// TEXTINCLUDE
//

1 TEXTINCLUDE DISCARDABLE
BEGIN

```

```

        "resource.h\0"
    END

    2 TEXTINCLUDE DISCARDABLE
    BEGIN
        "#include \"afxres.h\"\r\n"
        "\0"
    END

    3 TEXTINCLUDE DISCARDABLE
    BEGIN
        "\r\n"
        "\0"
    END

    #endif // APSTUDIO_INVOKED

    //////////////////////////////////////
    //
    // Dialog
    //
    IDD_DIALOG1 DIALOG DISCARDABLE 0, 0, 186, 95
    STYLE DS_MODALFRAME | WS_POPUP | WS_CAPTION | WS_SYSMENU
    CAPTION "Dialog"
    FONT 8, "MS Sans Serif"
    BEGIN
        DEFPUSHBUTTON "OK", IDOK, 129, 7, 50, 14
        PUSHBUTTON "Cancel", IDCANCEL, 129, 24, 50, 14
    END

    //////////////////////////////////////
    //
    // DESIGNINFO
    //
    #ifdef APSTUDIO_INVOKED
    GUIDELINES DESIGNINFO DISCARDABLE
    BEGIN
        IDD_DIALOG1, DIALOG
        BEGIN
            LEFTMARGIN, 7
            RIGHTMARGIN, 179
            TOPMARGIN, 7
            BOTTOMMARGIN, 88
        END
    END
    #endif // APSTUDIO_INVOKED

    #endif // English (U.S.) resources
    //////////////////////////////////////

    #ifndef APSTUDIO_INVOKED
    //////////////////////////////////////
    //
    // Generated from the TEXTINCLUDE 3 resource.
    //

```

```

////////////////////////////////////
#endif // not APSTUDIO_INVOKED

```

tpcc_com.cpp

```

/* FILE: TPCCOM.CPP
 * Microsoft TPC-C Kit Ver. 4.20.000
 * Copyright Microsoft, 1999
 * All Rights Reserved
 *
 * not yet audited
 *
 * PURPOSE: Source file for TPC-C COM+ class implementation.
 * Contact: Charles Levine (clevine@microsoft.com)
 *
 * Change history:
 * 4.20.000 - first version
 */

// needed for CoInitializeEx
#define _WIN32_WINNT 0x0400

#include <windows.h>

// need to declare functions for export
#define DllDecl __declspec( dllexport )

#include "..\..\common\src\trans.h" //tpckit transaction header
contains definitions of structures specific to TPC-C
#include "..\..\common\src\error.h"
#include "..\..\common\src\txn_base.h"
#include "tpcc_com.h"

#include "..\..\tpcc_com_ps\src\tpcc_com_ps_i.c"
#include "..\..\tpcc_com_all\src\tpcc_com_all_i.c"

// wrapper routine for class constructor
_declspec( dllexport ) CTPCC_COM* CTPCC_COM_new( BOOL bSinglePool )
{
    return new CTPCC_COM( bSinglePool );
}

CTPCC_COM::CTPCC_COM( BOOL bSinglePool )
{
    HRESULT hr = NULL;
    long lRet = 0;

    m_bSinglePool = bSinglePool;

    m_pNewOrder = NULL;
    m_pPayment = NULL;
    m_pStockLevel = NULL;
    m_pOrderStatus = NULL;

    m_pTxn = (COM_DATA*) CoTaskMemAlloc( sizeof( COM_DATA ) );
    if (!m_pTxn)
        throw new CCOMERR( E_FAIL );

    hr = CoInitializeEx( NULL, COINIT_MULTITHREADED );
    if ( FAILED( hr ) )
{

```

```

        throw new CCOMERR( hr );
    }

    // create components
    if (m_bSinglePool)
    {
        IID_ITPCC, (void **) &m_pNewOrder;
        hr = CoCreateInstance(CLSID_TPCC, NULL, CLSCTX_SERVER,
            &m_pNewOrder);
        if (FAILED(hr))
            throw new CCOMERR(hr);

        // all txns will use same component
        m_pPayment = m_pNewOrder;
        m_pStockLevel = m_pNewOrder;
        m_pOrderStatus = m_pNewOrder;
    }
    else
    {
        // use different components for each txn

        IID_ITPCC, (void **) &m_pNewOrder;
        hr = CoCreateInstance(CLSID_NewOrder, NULL, CLSCTX_SERVER,
            &m_pNewOrder);
        if (FAILED(hr))
            throw new CCOMERR(hr);

        IID_ITPCC, (void **) &m_pPayment;
        hr = CoCreateInstance(CLSID_Payment, NULL, CLSCTX_SERVER,
            &m_pPayment);
        if (FAILED(hr))
            throw new CCOMERR(hr);

        IID_ITPCC, (void **) &m_pStockLevel;
        hr = CoCreateInstance(CLSID_StockLevel, NULL, CLSCTX_SERVER,
            &m_pStockLevel);
        if (FAILED(hr))
            throw new CCOMERR(hr);

        IID_ITPCC, (void **) &m_pOrderStatus;
        hr = CoCreateInstance(CLSID_OrderStatus, NULL, CLSCTX_SERVER,
            &m_pOrderStatus);
        if (FAILED(hr))
            throw new CCOMERR(hr);
    }

    // call setcomplete to release each component back into pool
    hr = m_pNewOrder->CallSetComplete();
    if (FAILED(hr))
        throw new CCOMERR(hr);

    if (!m_bSinglePool)
    {
        hr = m_pPayment->CallSetComplete();
        if (FAILED(hr))
            throw new CCOMERR(hr);

        hr = m_pStockLevel->CallSetComplete();
        if (FAILED(hr))
            throw new CCOMERR(hr);

        hr = m_pOrderStatus->CallSetComplete();
        if (FAILED(hr))
            throw new CCOMERR(hr);
    }
}

CTPCC_COM::~CTPCC_COM()

```

```

{
    if (m_pTxn)
        CoTaskMemFree(m_pTxn);

    ReleaseInterface(m_pNewOrder);
    if (!m_bSinglePool)
    {
        ReleaseInterface(m_pPayment);
        ReleaseInterface(m_pStockLevel);
        ReleaseInterface(m_pOrderStatus);
    }
    CoUninitialize();
}

void CTPCC_COM::NewOrder()
{
    int isize = sizeof(COM_DATA);

    HRESULT hr = m_pNewOrder->NewOrder(&isize, (unsigned char**) &m_pTxn);
    if (FAILED(hr))
        throw new CCOMERR( hr );

    if ( m_pTxn->ErrorType != ERR_SUCCESS )
        throw new CCOMERR( m_pTxn->ErrorType, m_pTxn->error );
}

void CTPCC_COM::Payment()
{
    int isize = sizeof(COM_DATA);

    HRESULT hr = m_pPayment->Payment(&isize, (unsigned char**) &m_pTxn);
    if (FAILED(hr))
        throw new CCOMERR( hr );

    if ( m_pTxn->ErrorType != ERR_SUCCESS )
        throw new CCOMERR( m_pTxn->ErrorType, m_pTxn->error );
}

void CTPCC_COM::StockLevel()
{
    int isize = sizeof(COM_DATA);

    HRESULT hr = m_pStockLevel->StockLevel(&isize, (unsigned char**) &m_pTxn);
    if (FAILED(hr))
        throw new CCOMERR( hr );

    if ( m_pTxn->ErrorType != ERR_SUCCESS )
        throw new CCOMERR( m_pTxn->ErrorType, m_pTxn->error );
}

void CTPCC_COM::OrderStatus()
{
    int isize = sizeof(COM_DATA);

    HRESULT hr = m_pOrderStatus->OrderStatus(&isize, (unsigned
char**) &m_pTxn);
    if (FAILED(hr))
        throw new CCOMERR( hr );

    if ( m_pTxn->ErrorType != ERR_SUCCESS )
        throw new CCOMERR( m_pTxn->ErrorType, m_pTxn->error );
}
}

```

tpcc_com.h

```
/*      FILE:          TPCC_COM.H
 *
 *      Microsoft TPC-C Kit Ver. 4.20.000
 *      Copyright Microsoft, 1999
 *
 *      All Rights Reserved
 *
 *      not yet audited
 *
 *      PURPOSE:  Header file for TPC-C COM+ class implementation.
 *
 *      Change history:
 *      4.20.000 - first version
 */

#pragma once

#include <stdio.h>
#include "..\..\tpcc_com_ps\src\tpcc_com_ps.h"

// need to declare functions for import, unless define has already been created
// by the DLL's .cpp module for export.
#ifndef DllDecl
#define DllDecl __declspec( dllimport )
#endif

class CCOMERR : public CBaseErr
{
private:
    char m_szErrorText[64];

public:
    // use this interface for genuine COM errors
    CCOMERR( HRESULT hr )
    {
        m_hr = hr;
        m_iErrorType = 0;
        m_iError = 0;
    }

    // use this interface to impersonate a non-COM error type
    CCOMERR( int iErrorType, int iError )
    {
        m_iErrorType = iErrorType;
        m_iError = iError;
        m_hr = S_OK;
    }

    int          m_hr;
    int          m_iErrorType;
    int          m_iError;

    // A CCOMERR class can impersonate another class, which happens
    // if the error was not actually a COM Services error, but was simply
    // transmitted back via COM.
    int ErrorType()
    {
        if (m_iErrorType == 0)
            return ERR_TYPE_COM;
        else
            return m_iErrorType;
    }
};
```

```
};

int ErrorNum() {return m_hr;}

char *ErrorText()
{
    if (m_hr == S_OK)
        sprintf( m_szErrorText, "Error: Class %d,
error # %d", m_iErrorType, m_iError );
    else
        sprintf( m_szErrorText, "Error: COM HRESULT
%x", m_hr );
    return m_szErrorText;
};

class DllDecl CTPCC_COM : public CTPCC_BASE
{
private:
    BOOL m_bSinglePool;

    // COM Interface pointers
    ITPCC* m_pNewOrder;
    ITPCC* m_pPayment;
    ITPCC* m_pStockLevel;
    ITPCC* m_pOrderStatus;

    struct COM_DATA
    {
        int ErrorType;
        int error;
        union
        {
            NEW_ORDER_DATA      NewOrder;
            PAYMENT_DATA         Payment;
            DELIVERY_DATA        Delivery;
            STOCK_LEVEL_DATA     StockLevel;
            ORDER_STATUS_DATA    OrderStatus;
        } u;
    } *m_pTxn;

public:
    CTPCC_COM(BOOL bSinglePool);
    ~CTPCC_COM(void);

    inline PNEW_ORDER_DATA      BuffAddr_NewOrder()
    { return &m_pTxn->u.NewOrder; };
    inline PPAYMENT_DATA        BuffAddr_Payment()
    { return &m_pTxn->u.Payment; };
    inline PDELIVERY_DATA       BuffAddr_Delivery()
    { return &m_pTxn->u.Delivery; };
    inline PSTOCK_LEVEL_DATA    BuffAddr_StockLevel()
    { return &m_pTxn->u.StockLevel; };
    inline PORDER_STATUS_DATA   BuffAddr_OrderStatus()
    { return &m_pTxn->u.OrderStatus; };

    void NewOrder      ();
    void Payment       ();
    void StockLevel    ();
    void OrderStatus   ();
    void Delivery      () { throw new CCOMERR(E_NOTIMPL); };
}; // not supported
```

```

inline void ReleaseInterface(IUnknown *pUnk)
{
    if (pUnk)
    {
        pUnk->Release();
        pUnk = NULL;
    }
}

// wrapper routine for class constructor
extern "C" __declspec(dllexport) CTPCC_COM* CTPCC_COM_new(BOOL);

typedef CTPCC_COM* (TYPE_CTPCC_COM)(BOOL);

```

tpcc_com_all.cpp

```

/* FILE: TPCCOM_ALL.CPP
 * Microsoft TPC-C Kit Ver. 4.20.000
 * Copyright Microsoft, 1999
 *
 * All Rights Reserved
 *
 * Version 4.10.000 audited by Richard Gimarc,
 * Performance Metrics, 3/17/99
 *
 * PURPOSE: Implementation for TPC-C Tuxedo class.
 * Contact: Charles Levine (clevine@microsoft.com)
 *
 * Change history:
 * 4.20.000 - updated rev number to match kit
 */

#define STRICT
#define WIN32_WINNT 0x0400
#define ATL_APARTMENT_THREADED

#include <stdio.h>
#include <atlbase.h>
//You may derive a class from CComModule and use it if you want to override
//something, but do not change the name of _Module
extern CComModule _Module;

#include <atlcmm.h>
#include <initguid.h>
#include <transact.h>
#include <atlimpl.cpp>
#include <comsvcs.h>

#include <sqltypes.h>
#include <sql.h>
#include <sqlext.h>

#include "tpcc_com_ps.h"
#include "..\..\common\src\trans.h"
//tpckit transaction header contains definations of structures specific to
TPC-C
#include "..\..\common\src\txn_base.h"
#include "..\..\common\src\error.h"
#include "..\..\common\src\ReadRegistry.h"

```

```

#include "..\..\db_dblib_dll\src\tpcc_dblib.h" // DBLIB implementation
of TPC-C txns
#include "..\..\db_odbc_dll\src\tpcc_odbc.h" // ODBC implementation
of TPC-C txns

#include "resource.h"
#include "tpcc_com_all.h"
#include "tpcc_com_all_i.c"
#include "Methods.h"
#include "..\..\tpcc_com_ps\src\tpcc_com_ps_i.c"
#include "..\..\common\src\ReadRegistry.cpp"

CComModule _Module;

BEGIN_OBJECT_MAP(ObjectMap)
OBJECT_ENTRY(CLSID_TPCC, CTPCC)
OBJECT_ENTRY(CLSID_NewOrder, CNewOrder)
OBJECT_ENTRY(CLSID_OrderStatus, COrderStatus)
OBJECT_ENTRY(CLSID_Payment, CPayment)
OBJECT_ENTRY(CLSID_StockLevel, CStockLevel)
END_OBJECT_MAP()

// configuration settings from registry
TPCCREGISTRYDATA Reg;
char szMyComputerName[MAX_COMPUTERNAME_LENGTH+1];

static HINSTANCE hLibInstanceDb = NULL;

TYPE_CTPCC_DBLIB *pCTPCC_DBLIB_new;
TYPE_CTPCC_ODBC *pCTPCC_ODBC_new;

////////////////////////////////////
// DLL Entry Point

extern "C"
BOOL WINAPI DllMain(HINSTANCE hInstance, DWORD dwReason, LPVOID /*lpReserved*/)
{
    char szDllName[128];

    try
    {
        if (dwReason == DLL_PROCESS_ATTACH)
        {
            Module.Init(ObjectMap, hInstance);
            DisableThreadLibraryCalls(hInstance);

            DWORD dwSize = MAX_COMPUTERNAME_LENGTH+1;
            GetComputerName(szMyComputerName, &dwSize);
            szMyComputerName[dwSize] = 0;

            if ( ReadTPCCRegistrySettings( &Reg ) )
                throw new CCOMPONENT_ERR(
ERR_MISSING_REGISTRY_ENTRIES );

            if (Reg.eDB_Protocol == DBLIB)
            {
                strcpy( szDllName, Reg.szPath );
                strcat( szDllName, "tpcc_dblib.dll");
                hLibInstanceDb = LoadLibrary( szDllName );
            }
        }
    }
}

```

```

        if (hLibInstanceDb == NULL)
            throw new CCOMPONENT_ERR(
ERR_LOADDLL_FAILED, szDllName, GetLastError() );
        // get function pointer to wrapper for class
        constructor
            pCTPCC_DBLIB_new = (TYPE_CTPCC_DBLIB*)
GetProcAddress(hLibInstanceDb, "CTPCC_DBLIB_new");
            if (pCTPCC_DBLIB_new == NULL)
                throw new CCOMPONENT_ERR(
ERR_GETPROCADDR_FAILED, szDllName, GetLastError() );
            else if (Reg.eDB_Protocol == ODBC)
            {
                strcpy( szDllName, Reg.szPath );
                strcat( szDllName, "tpcc_odbc.dll");
                hLibInstanceDb = LoadLibrary( szDllName );
                if (hLibInstanceDb == NULL)
                    throw new CCOMPONENT_ERR(
ERR_LOADDLL_FAILED, szDllName, GetLastError() );
                // get function pointer to wrapper for class
                constructor
                    pCTPCC_ODBC_new = (TYPE_CTPCC_ODBC*)
GetProcAddress(hLibInstanceDb, "CTPCC_ODBC_new");
                    if (pCTPCC_ODBC_new == NULL)
                        throw new CCOMPONENT_ERR(
ERR_GETPROCADDR_FAILED, szDllName, GetLastError() );
                    else
                        throw new CCOMPONENT_ERR(
ERR_UNKNOWN_DB_PROTOCOL );
            }
            else if (dwReason == DLL_PROCESS_DETACH)
                _Module.Term();
        }
        catch (CBaseErr *e)
        {
            WriteMessageToEventLog(e->ErrorText());
            delete e;
            return FALSE;
        }
        catch (...)
        {
            WriteMessageToEventLog(TEXT("Unhandled exception in object
DllMain"));
            return FALSE;
        }
        return TRUE; // OK
}

////////////////////////////////////
// Used to determine whether the DLL can be unloaded by OLE
STDAPI DllCanUnloadNow(void)
{
    return (_Module.GetLockCount()==0) ? S_OK : S_FALSE;
}

////////////////////////////////////
// Returns a class factory to create an object of the requested type

```

```

STDAPI DllGetClassObject(REFCLSID rclsid, REFIID riid, LPVOID* ppv)
{
    return _Module.GetClassObject(rclsid, riid, ppv);
}

////////////////////////////////////
// DllRegisterServer - Adds entries to the system registry
STDAPI DllRegisterServer(void)
{
    // registers object, typelib and all interfaces in typelib
    return _Module.RegisterServer(TRUE);
}

////////////////////////////////////
// DllUnregisterServer - Removes entries from the system registry
STDAPI DllUnregisterServer(void)
{
    _Module.UnregisterServer();
    return S_OK;
}

static void WriteMessageToEventLog(LPTSTR lpszMsg)
{
    TCHAR    szMsg[256];
    HANDLE   hEventSource;
    LPTSTR   lpszStrings[2];

    // Use event logging to log the error.
    //
    hEventSource = RegisterEventSource(NULL, TEXT("tpcc_com_all.dll"));

    _stprintf(szMsg, TEXT("Error in COM+ TPC-C Component: "));
    lpszStrings[0] = szMsg;
    lpszStrings[1] = lpszMsg;

    if (hEventSource != NULL)
    {
        ReportEvent(hEventSource, // handle of event source
            EVENTLOG_ERROR_TYPE, // event type
            0, // event category
            0, // event ID
            NULL, // current user's SID
            2, // strings in lpszStrings
            0, // no bytes of raw data
            (LPCSTR *)lpszStrings, // array of error strings
            NULL); // no raw data

        (VOID) DeregisterEventSource(hEventSource);
    }
}

inline void ReleaseInterface(IUnknown *pUnk)
{
    if (pUnk)
    {
        pUnk->Release();
        pUnk = NULL;
    }
}

```

```

/* FUNCTION: CCOMPONENT_ERR::ErrorText
 *
 */

char* CCOMPONENT_ERR::ErrorText(void)
{
    static SERRORMSG errorMsgs[] =
    {
        { ERR_MISSING_REGISTRY_ENTRIES, "Required entries
missing from registry." },
        { ERR_LOADDLL_FAILED, "Load of DLL
failed. DLL=" },
        { ERR_GETPROCADDR_FAILED, "Could not map proc in
DLL. GetProcAddr error. DLL=" },
        { ERR_UNKNOWN_DB_PROTOCOL, "Unknown database
protocol specified in registry." },
        { 0, "" }
    };

    char szTmp[256];
    int i = 0;
    while (TRUE)
    {
        if (errorMsgs[i].szMsg[0] == 0)
        {
            strcpy( szTmp, "Unknown error number. " );
            break;
        }
        if (m_Error == errorMsgs[i].iError)
        {
            strcpy( szTmp, errorMsgs[i].szMsg );
            break;
        }
        i++;
    }

    if (m_szTextDetail)
        strcat( szTmp, m_szTextDetail );
    if (m_SystemErr)
        sprintf( szTmp+strlen(szTmp), " Error=%d", m_SystemErr );

    m_szErrorText = new char[strlen(szTmp)+1];
    strcpy( m_szErrorText, szTmp );
    return m_szErrorText;
}

CTPCC_Common::CTPCC_Common()
{
    m_pTxn = NULL;
    m_bCanBePooled = TRUE;
}

CTPCC_Common::~CTPCC_Common()
{
    if (m_pTxn)
        delete m_pTxn;
}

```

```

HRESULT CTPCC_Common::CallSetComplete()
{
    IObjectContext* pObjectContext = NULL;

    // get our object context
    HRESULT hr = CoGetObjectContext( IID_IObjectContext, (void
**) &pObjectContext );
    pObjectContext->SetComplete();
    ReleaseInterface(pObjectContext);
    return hr;
}

//
// called by the ctor activator
//
STDMETHODIMP CTPCC_Common::Construct(IDispatch * pUnk)
{
    // Code to access construction string, if needed later...
    // if (!pUnk)
    //     return E_UNEXPECTED;
    // IObjectConstructString * pString = NULL;
    // HRESULT hr = pUnk->QueryInterface(IID_IObjectConstructString,
(void **) &pString);
    // pString->Release();

    try
    {
        if (Reg.eDB_Protocol == ODBC)
            m_pTxn = pCTPCC_ODBC_new( Reg.szDbServer,
Reg.szDbUser, Reg.szDbPassword, szMyComputerName, Reg.szDbName );
        else if (Reg.eDB_Protocol == DBLIB)
            m_pTxn = pCTPCC_DBLIB_new( Reg.szDbServer,
Reg.szDbUser, Reg.szDbPassword, szMyComputerName, Reg.szDbName );
    }
    catch (CBaseErr *e)
    {
        WriteMessageToEventLog(e->ErrorText());
        delete e;
        return E_FAIL;
    }
    catch (...)
    {
        WriteMessageToEventLog(TEXT("Unhandled exception in object
::Construct"));
        return E_FAIL;
    }

    return S_OK;
}

HRESULT CTPCC_Common::NewOrder(int* iSize, UCHAR **txn)
{
    PNEW_ORDER_DATA pNewOrder;
    COM_DATA *pData;

    try
    {
        pData = (COM_DATA*) *txn;
        pNewOrder = m_pTxn->BuffAddr_NewOrder();

        memcpy(pNewOrder, &pData->u.NewOrder, sizeof(NEW_ORDER_DATA));
        m_pTxn->NewOrder();
        memcpy( &pData->u.NewOrder, pNewOrder, sizeof(NEW_ORDER_DATA));
    }
}

```



```

        pData->retval = ERR_SUCCESS;
        pData->error = 0;
        return S_OK;
    }
    catch (CBaseErr *e)
    {
        // check for lost database connection; if yes, component is
toast
        if ( ((e->ErrorType() == ERR_TYPE_DBLIB) && (e->ErrorNum() ==
10005)) ||
== 10054)) )
                ((e->ErrorType() == ERR_TYPE_ODBC) && (e->ErrorNum()
                m_bCanBePooled = FALSE;

        pData->retval = e->ErrorType();
        pData->error = e->ErrorNum();
        delete e;
        return E_FAIL;
    }
    catch (...)
    {
        WriteMessageToEventLog(TEXT("Unhandled exception."));
        pData->retval = ERR_TYPE_LOGIC;
        pData->error = 0;
        m_bCanBePooled = FALSE;
        return E_FAIL;
    }
}

HRESULT CTPCC_Common::Payment(int* iSize, UCHAR** txn)
{
    PPAYMENT_DATA    pPayment;
    COM_DATA          *pData;

    try
    {
        pData = (COM_DATA*)*txn;
        pPayment = m_pTxn->BuffAddr_Payment();

        memcpy(pPayment, &pData->u.Payment, sizeof(PAYMENT_DATA) );
        m_pTxn->Payment();
        memcpy( &pData->u.Payment, pPayment, sizeof(PAYMENT_DATA) );

        pData->retval = ERR_SUCCESS;
        pData->error = 0;
        return S_OK;
    }
    catch (CBaseErr *e)
    {
        // check for lost database connection; if yes, component is
toast
        if ( ((e->ErrorType() == ERR_TYPE_DBLIB) && (e->ErrorNum() ==
10005)) ||
== 10054)) )
                ((e->ErrorType() == ERR_TYPE_ODBC) && (e->ErrorNum()
                m_bCanBePooled = FALSE;

        pData->retval = e->ErrorType();
        pData->error = e->ErrorNum();
        delete e;
        return E_FAIL;
    }
}

```

```

    catch (...)
    {
        WriteMessageToEventLog(TEXT("Unhandled exception."));
        pData->retval = ERR_TYPE_LOGIC;
        pData->error = 0;
        m_bCanBePooled = FALSE;
        return E_FAIL;
    }
}

HRESULT CTPCC_Common::StockLevel(int* iSize, UCHAR** txn)
{
    PSTOCK_LEVEL_DATA pStockLevel;
    COM_DATA          *pData;

    try
    {
        pData = (COM_DATA*)*txn;
        pStockLevel = m_pTxn->BuffAddr_StockLevel();

        memcpy(pStockLevel, &pData->u.StockLevel,
sizeof(STOCK_LEVEL_DATA) );
        m_pTxn->StockLevel();
        memcpy( &pData->u.StockLevel, pStockLevel,
sizeof(STOCK_LEVEL_DATA) );

        pData->retval = ERR_SUCCESS;
        pData->error = 0;
        return S_OK;
    }
    catch (CBaseErr *e)
    {
        // check for lost database connection; if yes, component is
toast
        if ( ((e->ErrorType() == ERR_TYPE_DBLIB) && (e->ErrorNum() ==
10005)) ||
== 10054)) )
                ((e->ErrorType() == ERR_TYPE_ODBC) && (e->ErrorNum()
                m_bCanBePooled = FALSE;

        pData->retval = e->ErrorType();
        pData->error = e->ErrorNum();
        delete e;
        return E_FAIL;
    }
    catch (...)
    {
        WriteMessageToEventLog(TEXT("Unhandled exception."));
        pData->retval = ERR_TYPE_LOGIC;
        pData->error = 0;
        m_bCanBePooled = FALSE;
        return E_FAIL;
    }
}

HRESULT CTPCC_Common::OrderStatus(int* iSize, UCHAR** txn)
{
    PORDER_STATUS_DATA pOrderStatus;
    COM_DATA          *pData;

    try
    {
        pData = (COM_DATA*)*txn;

```

```

        pOrderStatus = m_pTxn->BuffAddr_OrderStatus();

        memcpy(pOrderStatus, &pData->u.OrderStatus,
sizeof(ORDER_STATUS_DATA) );
        m_pTxn->OrderStatus();
        memcpy( &pData->u.OrderStatus, pOrderStatus,
sizeof(ORDER_STATUS_DATA) );

        pData->retval = ERR_SUCCESS;
        pData->error = 0;
        return S_OK;
    }
    catch (CBaseErr *e)
    {
        // check for lost database connection; if yes, component is
toast
        if ( ((e->ErrorType() == ERR_TYPE_DBLIB) && (e->ErrorNum() ==
10005)) ||
== 10054)) )
                ((e->ErrorType() == ERR_TYPE_ODBC) && (e->ErrorNum()
                m_bCanBePooled = FALSE;

        pData->retval = e->ErrorType();
        pData->error = e->ErrorNum();
        delete e;
        return E_FAIL;
    }
    catch (...)
    {
        WriteMessageToEventLog(TEXT("Unhandled exception."));
        pData->retval = ERR_TYPE_LOGIC;
        pData->error = 0;
        m_bCanBePooled = FALSE;
        return E_FAIL;
    }
}

```

tpcc_com_all.def

```
; tpcc_com_all.def : Declares the module parameters.
```

```

LIBRARY      "tpcc_com_all.dll"

EXPORTS
    DllCanUnloadNow      @1 PRIVATE
    DllGetClassObject    @2 PRIVATE
    DllRegisterServer    @3 PRIVATE
    DllUnregisterServer  @4 PRIVATE

```

tpcc_com_all.dsp

```

# Microsoft Developer Studio Project File - Name="tpcc_com_all" - Package Owner=<4>
# Microsoft Developer Studio Generated Build File, Format Version 6.00
# ** DO NOT EDIT **

```

```
# TARGETTYPE "Win32 (x86) Dynamic-Link Library" 0x0102
```

```

CFG=tpcc_com_all - Win32 Debug
!MESSAGE This is not a valid makefile. To build this project using NMAKE,
!MESSAGE use the Export Makefile command and run
!MESSAGE

```

```

!MESSAGE NMAKE /f "tpcc_com_all.mak".
!MESSAGE
!MESSAGE You can specify a configuration when running NMAKE
!MESSAGE by defining the macro CFG on the command line. For example:
!MESSAGE
!MESSAGE NMAKE /f "tpcc_com_all.mak" CFG="tpcc_com_all - Win32 Debug"
!MESSAGE
!MESSAGE Possible choices for configuration are:
!MESSAGE
!MESSAGE "tpcc_com_all - Win32 Release" (based on "Win32 (x86) Dynamic-Link
Library")
!MESSAGE "tpcc_com_all - Win32 Debug" (based on "Win32 (x86) Dynamic-Link Library")
!MESSAGE

# Begin Project
# PROP AllowPerConfigDependencies 0
# PROP Scc_ProjName ""
# PROP Scc_LocalPath ""
CPP=cl.exe
MTL=midl.exe
RSC=rc.exe

!IF "$(CFG)" == "tpcc_com_all - Win32 Release"

# PROP BASE Use_MFC 0
# PROP BASE Use_Debug_Libraries 0
# PROP BASE Output_Dir "Release"
# PROP BASE Intermediate_Dir "Release"
# PROP BASE Target_Dir ""
# PROP Use_MFC 0
# PROP Use_Debug_Libraries 0
# PROP Output_Dir ".\bin"
# PROP Intermediate_Dir ".\obj"
# PROP Ignore_Export_Lib 0
# PROP Target_Dir ""
# ADD BASE CPP /nologo /MT /W3 /GX /O2 /D "WIN32" /D "NDEBUG" /D "_WINDOWS" /YX /FD
/c
# ADD CPP /nologo /MT /W3 /GX /O2 /D "WIN32" /D "NDEBUG" /D "_WINDOWS" /YX /FD /c
# ADD BASE MTL /nologo /D "NDEBUG" /mktyplib203 /o "NUL" /win32
# ADD MTL /nologo /D "NDEBUG" /mktyplib203 /o "NUL" /win32
# ADD BASE RSC /l 0x409 /d "NDEBUG"
# ADD RSC /l 0x409 /d "NDEBUG"
BSC32=bscmake.exe
# ADD BASE BSC32 /nologo
# ADD BSC32 /nologo
LINK32=link.exe
# ADD BASE LINK32 kernel32.lib user32.lib gdi32.lib winspool.lib comdlg32.lib
advapi32.lib shell32.lib ole32.lib oleaut32.lib uuid.lib odbc32.lib odbccp32.lib
/nologo /subsystem:windows /dll /machine:I386
# ADD LINK32 ..\db_dblib_dll\bin\tpcc_dblib.lib ..\db_odbc_dll\bin\tpcc_odbc.lib
kernel32.lib user32.lib gdi32.lib winspool.lib comdlg32.lib advapi32.lib shell32.lib
ole32.lib oleaut32.lib uuid.lib odbc32.lib odbccp32.lib /nologo /subsystem:windows
/dll /machine:I386

!ELSEIF "$(CFG)" == "tpcc_com_all - Win32 Debug"

# PROP BASE Use_MFC 0
# PROP BASE Use_Debug_Libraries 1
# PROP BASE Output_Dir "Debug"
# PROP BASE Intermediate_Dir "Debug"
# PROP BASE Target_Dir ""
# PROP Use_MFC 0
# PROP Use_Debug_Libraries 1

```

```

# PROP Output_Dir ".\bin"
# PROP Intermediate_Dir ".\obj"
# PROP Ignore_Export_Lib 0
# PROP Target_Dir ""
# ADD BASE CPP /nologo /MTd /W3 /Gm /GX /Zi /Od /D "WIN32" /D "_DEBUG" /D "_WINDOWS"
/YX /FD /c
# ADD CPP /nologo /MTd /W3 /Gm /GX /ZI /Od /D "WIN32" /D "_DEBUG" /D "_WINDOWS" /YX
/FD /c
# ADD BASE MTL /nologo /D "_DEBUG" /mktyplib203 /o "NUL" /win32
# ADD MTL /nologo /D "_DEBUG" /mktyplib203 /o "NUL" /win32
# ADD BASE RSC /l 0x409 /d "_DEBUG"
# ADD RSC /l 0x409 /d "_DEBUG"
BSC32=bscmake.exe
# ADD BASE BSC32 /nologo
# ADD BSC32 /nologo
LINK32=link.exe
# ADD BASE LINK32 kernel32.lib user32.lib gdi32.lib winspool.lib comdlg32.lib
advapi32.lib shell32.lib ole32.lib oleaut32.lib uuid.lib odbc32.lib odbccp32.lib
/nologo /subsystem:windows /dll /debug /machine:I386 /pdbtype:sept
# ADD LINK32 ..\db_dblib_dll\bin\tpcc_dblib.lib ..\db_odbc_dll\bin\tpcc_odbc.lib
kernel32.lib user32.lib gdi32.lib winspool.lib comdlg32.lib advapi32.lib shell32.lib
ole32.lib oleaut32.lib uuid.lib odbc32.lib odbccp32.lib /nologo /subsystem:windows
/dll /debug /machine:I386 /pdbtype:sept

!ENDIF

# Begin Target

# Name "tpcc_com_all - Win32 Release"
# Name "tpcc_com_all - Win32 Debug"
# Begin Group "Source"

# PROP Default_Filter "*.cpp, *.c"
# Begin Source File

SOURCE=.\src\tpcc_com_all.cpp
# SUBTRACT CPP /YX
# End Source File
# Begin Source File

SOURCE=.\src\tpcc_com_all.def
# End Source File
# Begin Source File

SOURCE=.\src\tpcc_com_all.idl

!IF "$(CFG)" == "tpcc_com_all - Win32 Release"

# PROP Ignore_Default_Tool 1
# Begin Custom Build - Performing MIDL step
InputPath=.\src\tpcc_com_all.idl

BuildCmds= \
midl /Oicf /h "tpcc_com_all.h" /iid "tpcc_com_all_i.c"
.\src\tpcc_com_all.idl /out ".\src"

.\src\tpcc_com_all.tlb : $(SOURCE) "$(INTDIR)" "$(OUTDIR)"
$(BuildCmds)

.\src\tpcc_com_all.h : $(SOURCE) "$(INTDIR)" "$(OUTDIR)"
$(BuildCmds)

.\src\tpcc_com_all_i.c : $(SOURCE) "$(INTDIR)" "$(OUTDIR)"
$(BuildCmds)

.\src\tpcc_com_all_i.c : $(SOURCE) "$(INTDIR)" "$(OUTDIR)"

!ENDIF

# End Source File
# End Group
# Begin Group "Header"

# PROP Default_Filter "*.h"
# Begin Source File

SOURCE=.\src\Methods.h
# End Source File
# Begin Source File

SOURCE=.\src\resource.h
# End Source File
# End Group
# Begin Source File

SOURCE=.\src\tpcc_com_all.rc
# End Source File
# End Target
# End Project

```

```

$(BuildCmds)
# End Custom Build

!ELSEIF "$(CFG)" == "tpcc_com_all - Win32 Debug"

# PROP Ignore_Default_Tool 1
# Begin Custom Build - Performing MIDL step
InputPath=.\src\tpcc_com_all.idl

BuildCmds= \
midl /Oicf /h "tpcc_com_all.h" /iid "tpcc_com_all_i.c"
.\src\tpcc_com_all.idl /out ".\src"

.\src\tpcc_com_all.tlb : $(SOURCE) "$(INTDIR)" "$(OUTDIR)"
$(BuildCmds)

.\src\tpcc_com_all.h : $(SOURCE) "$(INTDIR)" "$(OUTDIR)"
$(BuildCmds)

.\src\tpcc_com_all_i.c : $(SOURCE) "$(INTDIR)" "$(OUTDIR)"
$(BuildCmds)
# End Custom Build

!ENDIF

# End Source File
# End Group
# Begin Group "Header"

# PROP Default_Filter "*.h"
# Begin Source File

SOURCE=.\src\Methods.h
# End Source File
# Begin Source File

SOURCE=.\src\resource.h
# End Source File
# End Group
# Begin Source File

SOURCE=.\src\tpcc_com_all.rc
# End Source File
# End Target
# End Project

```

tpcc_com_all.h

```

#pragma warning( disable: 4049 ) /* more than 64k source lines */

/* this ALWAYS GENERATED file contains the definitions for the interfaces */

/* File created by MIDL compiler version 5.03.0280 */
/* at Wed Feb 09 23:58:02 2000
*/
/* Compiler settings for .\src\tpcc_com_all.idl:
Oicf (OptLev=i2), W1, Zp8, env=Win32 (32b run), ms_ext, c_ext
error checks: allocation ref bounds_check enum stub_data
VC __declspec() decoration level:
__declspec(uuid()), __declspec(selectany), __declspec(novtable)

```

```

DECLSPEC_UUID(), MIDL_INTERFACE()
*/
//@@MIDL_FILE_HEADING( )

/* verify that the <rpcndr.h> version is high enough to compile this file*/
#ifndef __REQUIRED_RPCNDR_H_VERSION__
#define __REQUIRED_RPCNDR_H_VERSION__ 440
#endif

#include "rpc.h"
#include "rpcndr.h"

#ifndef __tpcc_com_all_h__
#define __tpcc_com_all_h__

/* Forward Declarations */

#ifndef __TPCC_FWD_DEFINED__
#define __TPCC_FWD_DEFINED__

#ifdef __cplusplus
typedef class TPCC TPCC;
#else
typedef struct TPCC TPCC;
#endif /* __cplusplus */

#endif /* __TPCC_FWD_DEFINED__ */

#ifndef __NewOrder_FWD_DEFINED__
#define __NewOrder_FWD_DEFINED__

#ifdef __cplusplus
typedef class NewOrder NewOrder;
#else
typedef struct NewOrder NewOrder;
#endif /* __cplusplus */

#endif /* __NewOrder_FWD_DEFINED__ */

#ifndef __OrderStatus_FWD_DEFINED__
#define __OrderStatus_FWD_DEFINED__

#ifdef __cplusplus
typedef class OrderStatus OrderStatus;
#else
typedef struct OrderStatus OrderStatus;
#endif /* __cplusplus */

#endif /* __OrderStatus_FWD_DEFINED__ */

#ifndef __Payment_FWD_DEFINED__
#define __Payment_FWD_DEFINED__

#ifdef __cplusplus
typedef class Payment Payment;
#else
typedef struct Payment Payment;
#endif /* __cplusplus */

```

```

#endif /* __Payment_FWD_DEFINED__ */

#ifndef __StockLevel_FWD_DEFINED__
#define __StockLevel_FWD_DEFINED__

#ifdef __cplusplus
typedef class StockLevel StockLevel;
#else
typedef struct StockLevel StockLevel;
#endif /* __cplusplus */

#endif /* __StockLevel_FWD_DEFINED__ */

/* header files for imported files */
#include "oaidl.h"
#include "ocidl.h"
#include "tpcc_com_ps.h"

#ifdef __cplusplus
extern "C"{
#endif

void __RPC_FAR * __RPC_USER MIDL_user_allocate(size_t);
void __RPC_USER MIDL_user_free( void __RPC_FAR * );

/* interface __MIDL_itf_tpcc_com_all_0000 */
/* [local] */

extern RPC_IF_HANDLE __MIDL_itf_tpcc_com_all_0000_v0_0_c_ifspec;
extern RPC_IF_HANDLE __MIDL_itf_tpcc_com_all_0000_v0_0_s_ifspec;

#ifndef __TPCCLib_LIBRARY_DEFINED__
#define __TPCCLib_LIBRARY_DEFINED__

/* library TPCCLib */
/* [helpstring] [version] [uuid] */

EXTERN_C const IID LIBID_TPCCLib;

EXTERN_C const CLSID CLSID_TPCC;

#ifdef __cplusplus

class DECLSPEC_UUID("122A3128-2520-11D3-BA71-00C04FBFE08B")
TPCC;
#endif

EXTERN_C const CLSID CLSID_NewOrder;

#ifdef __cplusplus

class DECLSPEC_UUID("975BAABF-84A7-11D2-BA47-00C04FBFE08B")

```

```

NewOrder;
#endif

EXTERN_C const CLSID CLSID_OrderStatus;

#ifdef __cplusplus

class DECLSPEC_UUID("266836AD-A50D-11D2-BA4E-00C04FBFE08B")
OrderStatus;
#endif

EXTERN_C const CLSID CLSID_Payment;

#ifdef __cplusplus

class DECLSPEC_UUID("CD02F7EF-A4FA-11D2-BA4E-00C04FBFE08B")
Payment;
#endif

EXTERN_C const CLSID CLSID_StockLevel;

#ifdef __cplusplus

class DECLSPEC_UUID("2668369E-A50D-11D2-BA4E-00C04FBFE08B")
StockLevel;
#endif
#endif /* __TPCCLib_LIBRARY_DEFINED__ */

/* Additional Prototypes for ALL interfaces */

/* end of Additional Prototypes */

#ifdef __cplusplus
}
#endif
#endif

```

tpcc_com_all.idl

```

/* FILE: TPCC.IDL
 * Microsoft TPC-C Kit Ver. 4.20.000
 * Copyright Microsoft, 1999
 *
 * All Rights Reserved
 *
 * not yet audited
 *
 * PURPOSE: IDL source for TPCC.dll. This file is processed by the MIDL
tool to
 * produce the type library (TPCC.tlb) and
marshalling code.
 *
 * Change history:
 * 4.20.000 - first version
 */

interface TPCC;
interface NewOrder;
interface OrderStatus;
interface Payment;

```

```

interface StockLevel;

import "oidl.idl";
import "ocidl.idl";
import "..\tpcc_com_ps\src\tpcc_com_ps.idl";

[
    uuid(122A3117-2520-11D3-BA71-00C04FBFE08B),
    version(1.0),
    helpstring("TPC-C 1.0 Type Library")
]
library TPCCLib
{
    importlib("stdole32.tlb");
    importlib("stdole2.tlb");

    [
        uuid(122A3128-2520-11D3-BA71-00C04FBFE08B),
        helpstring("All Txns Class")
    ]
    coclass TPCC
    {
        [default] interface ITPCC;
    };

    [
        uuid(975BAABF-84A7-11D2-BA47-00C04FBFE08B),
        helpstring("NewOrder Class")
    ]
    coclass NewOrder
    {
        [default] interface ITPCC;
    };

    [
        uuid(266836AD-A50D-11D2-BA4E-00C04FBFE08B),
        helpstring("OrderStatus Class")
    ]
    coclass OrderStatus
    {
        [default] interface ITPCC;
    };

    [
        uuid(CD02F7EF-A4FA-11D2-BA4E-00C04FBFE08B),
        helpstring("Payment Class")
    ]
    coclass Payment
    {
        [default] interface ITPCC;
    };

    [
        uuid(2668369E-A50D-11D2-BA4E-00C04FBFE08B),
        helpstring("StockLevel Class")
    ]
    coclass StockLevel
    {

```

```

        };
        [default] interface ITPCC;
};

```

tpcc_com_all.rc

```

//Microsoft Developer Studio generated resource script.
//
#include "resource.h"

#define APSTUDIO_READONLY_SYMBOLS
////////////////////////////////////
//
// Generated from the TEXTINCLUDE 2 resource.
//
#include "winres.h"

////////////////////////////////////
#undef APSTUDIO_READONLY_SYMBOLS

////////////////////////////////////
// English (U.S.) resources

#if !defined(AFX_RESOURCE_DLL) || defined(AFX_TARG_ENU)
#ifdef _WIN32
LANGUAGE LANG_ENGLISH, SUBLANG_ENGLISH_US
#pragma code_page(1252)
#endif // _WIN32

#ifdef APSTUDIO_INVOKED
////////////////////////////////////
//
// TEXTINCLUDE
//

1 TEXTINCLUDE DISCARDABLE
BEGIN
    "resource.h\0"
END

2 TEXTINCLUDE DISCARDABLE
BEGIN
    "#include \"winres.h\"\r\n"
    "\0"
END

3 TEXTINCLUDE DISCARDABLE
BEGIN
    "1 TYPELIB \"tpcc_com_all.tlb\"\r\n"
    "\0"
END

#endif // APSTUDIO_INVOKED

#ifdef _MAC
////////////////////////////////////
//
// Version
//

```

```

VS_VERSION_INFO VERSIONINFO
FILEVERSION 1,0,0,1
PRODUCTVERSION 1,0,0,1
FILEFLAGSMASK 0x3fL
#ifdef _DEBUG
FILEFLAGS 0x1L
#else
FILEFLAGS 0x0L
#endif
FILEOS 0x4L
FILETYPE 0x2L
FILESUBTYPE 0x0L
BEGIN
    BLOCK "StringFileInfo"
    BEGIN
        BLOCK "040904B0"
        BEGIN
            VALUE "CompanyName", "\0"
            VALUE "FileDescription", "tpcc_com_all Module\0"
            VALUE "FileVersion", "1, 0, 0, 1\0"
            VALUE "InternalName", "TPCCNEWORDER\0"
            VALUE "LegalCopyright", "Copyright 1997\0"
            VALUE "OriginalFilename", "tpcc_com_all.DLL\0"
            VALUE "ProductName", "tpcc_com_all Module\0"
            VALUE "ProductVersion", "1, 0, 0, 1\0"
            VALUE "OLESelfRegister", "\0"
        END
    END
    BLOCK "VarFileInfo"
    BEGIN
        VALUE "Translation", 0x409, 1200
    END
END

#endif // !_MAC

////////////////////////////////////
//
// REGISTRY
//

IDR_TPCC            REGISTRY DISCARDABLE "tpcc_com_all.rgs"
IDR_NEWORDER       REGISTRY DISCARDABLE "tpcc_com_no.rgs"
IDR_ORDERSTATUS    REGISTRY DISCARDABLE "tpcc_com_os.rgs"
IDR_PAYMENT        REGISTRY DISCARDABLE "tpcc_com_pay.rgs"
IDR_STOCKLEVEL     REGISTRY DISCARDABLE "tpcc_com_sl.rgs"

////////////////////////////////////
//
// String Table
//

STRINGTABLE DISCARDABLE
BEGIN
    IDS_PROJNAME        "tpcc_com_all"
END

#endif // English (U.S.) resources
////////////////////////////////////

```

```

#ifndef APSTUDIO_INVOKED
////////////////////////////////////
//
// Generated from the TEXTINCLUDE 3 resource.
//
1 TYPELIB "tpcc_com_all.tlb"
//
////////////////////////////////////
#endif // not APSTUDIO_INVOKED

```

tpcc_com_all.rgs

```

HKCR
{
    TPCC.AllTxns.1 = s 'All Txns Class'
    {
        CLSID = s '{122A3128-2520-11D3-BA71-00C04FBFE08B}'
    }
    TPCC.AllTxns = s 'TPCC Class'
    {
        CurVer = s 'TPCC.AllTxns.1'
    }
    NoRemove CLSID
    {
        ForceRemove {122A3128-2520-11D3-BA71-00C04FBFE08B} = s 'TPCC
Class'
        {
            ProgID = s 'TPCC.AllTxns.1'
            VersionIndependentProgID = s 'TPCC.AllTxns'
            InprocServer32 = s '%MODULE%'
            {
                val ThreadingModel = s 'Both'
            }
        }
    }
}

```

tpcc_com_all.i.c

```

#pragma warning( disable: 4049 ) /* more than 64k source lines */

/* this ALWAYS GENERATED file contains the IIDs and CLSIDs */

/* link this file in with the server and any clients */

/* File created by MIDL compiler version 5.03.0280 */
/* at Wed Feb 09 23:58:02 2000
*/
/* Compiler settings for .\src\tpcc_com_all.idl:
Oicf (OptLev=i2), Wl, Zp8, env=Win32 (32b run), ms_ext, c_ext
error checks: allocation ref bounds_check enum stub_data
VC __declspec() decoration level:
__declspec(uuid()), __declspec(selectany), __declspec(novtable)
DECLSPEC_UUID(), MIDL_INTERFACE()
*/
//@MIDL_FILE_HEADING( )

#if !defined(_M_IA64) && !defined(_M_AXP64)

```

```

#ifdef __cplusplus
extern "C"{
#endif

#include <rpc.h>
#include <rpcndr.h>

#ifdef _MIDL_USE_GUIDDEF_

#ifndef INITGUID
#define INITGUID
#include <guiddef.h>
#undef INITGUID
#else
#include <guiddef.h>
#endif

#define MIDL_DEFINE_GUID(type,name,l,w1,w2,b1,b2,b3,b4,b5,b6,b7,b8) \
    DEFINE_GUID(name,l,w1,w2,b1,b2,b3,b4,b5,b6,b7,b8)

#else // !_MIDL_USE_GUIDDEF_

#ifndef __IID_DEFINED__
#define __IID_DEFINED__

typedef struct _IID
{
    unsigned long x;
    unsigned short s1;
    unsigned short s2;
    unsigned char c[8];
} IID;

#endif // __IID_DEFINED__

#ifndef CLSID_DEFINED
#define CLSID_DEFINED
typedef IID CLSID;
#endif // CLSID_DEFINED

#define MIDL_DEFINE_GUID(type,name,l,w1,w2,b1,b2,b3,b4,b5,b6,b7,b8) \
    const type name = {l,w1,w2,{b1,b2,b3,b4,b5,b6,b7,b8}}

#endif // !_MIDL_USE_GUIDDEF_

MIDL_DEFINE_GUID(IID,
LIBID_TPCCLib,0x122A3117,0x2520,0x11D3,0xBA,0x71,0x00,0xC0,0x4F,0xBF,0xE0,0x8B);

MIDL_DEFINE_GUID(CLSID,
CLSID_TPCC,0x122A3128,0x2520,0x11D3,0xBA,0x71,0x00,0xC0,0x4F,0xBF,0xE0,0x8B);

MIDL_DEFINE_GUID(CLSID,
CLSID_NewOrder,0x975BAABF,0x84A7,0x11D2,0xBA,0x47,0x00,0xC0,0x4F,0xBF,0xE0,0x8B);

MIDL_DEFINE_GUID(CLSID,
CLSID_OrderStatus,0x266836AD,0xA50D,0x11D2,0xBA,0x4E,0x00,0xC0,0x4F,0xBF,0xE0,0x8B);

```

```

MIDL_DEFINE_GUID(CLSID,
CLSID_Payment, 0xCD02F7EF, 0xA4FA, 0x11D2, 0xBA, 0x4E, 0x00, 0xC0, 0x4F, 0xBF, 0xE0, 0x8B);

MIDL_DEFINE_GUID(CLSID,
CLSID_StockLevel, 0x2668369E, 0xA50D, 0x11D2, 0xBA, 0x4E, 0x00, 0xC0, 0x4F, 0xBF, 0xE0, 0x8B);

#undef MIDL_DEFINE_GUID

#ifdef __cplusplus
}
#endif

#endif /* !defined(_M_IA64) && !defined(_M_AXP64) */

#pragma warning( disable: 4049 ) /* more than 64k source lines */

/* this ALWAYS GENERATED file contains the IIDs and CLSIDs */

/* link this file in with the server and any clients */

/* File created by MIDL compiler version 5.03.0280 */
/* at Wed Feb 09 23:58:02 2000 */
/*
Compiler settings for .\src\tpcc_com_all.idl:
Oicf (OptLev=i2), Wl, Zp8, env=Win64 (32b run,appending), ms_ext, c_ext, robust
error checks: allocation ref bounds_check enum stub_data
VC __declspec() decoration level:
    __declspec(uuid()), __declspec(selectany), __declspec(novtable)
DECLSPEC_UUID(), MIDL_INTERFACE()
*/
//@@MIDL_FILE_HEADING( )

#if defined(_M_IA64) || defined(_M_AXP64)

#ifdef __cplusplus
extern "C"{
#endif

#include <rpc.h>
#include <rpcndr.h>

#ifdef _MIDL_USE_GUIDDEF_

#ifndef INITGUID
#define INITGUID
#include <guiddef.h>
#undef INITGUID
#else
#include <guiddef.h>
#endif

#define MIDL_DEFINE_GUID(type,name,l,w1,w2,b1,b2,b3,b4,b5,b6,b7,b8) \
DEFINE_GUID(name,l,w1,w2,b1,b2,b3,b4,b5,b6,b7,b8)

#else /* !_MIDL_USE_GUIDDEF_

#ifndef __IID_DEFINED__

```

```

#define __IID_DEFINED__

typedef struct _IID
{
    unsigned long x;
    unsigned short s1;
    unsigned short s2;
    unsigned char c[8];
} IID;

#endif /* __IID_DEFINED__

#ifndef CLSID_DEFINED
#define CLSID_DEFINED
typedef IID CLSID;
#endif /* CLSID_DEFINED

#define MIDL_DEFINE_GUID(type,name,l,w1,w2,b1,b2,b3,b4,b5,b6,b7,b8) \
const type name = {l,w1,w2,{b1,b2,b3,b4,b5,b6,b7,b8}}

#endif /* !_MIDL_USE_GUIDDEF_

MIDL_DEFINE_GUID(IID,
LIBID_TPCCLib, 0x122A3117, 0x2520, 0x11D3, 0xBA, 0x71, 0x00, 0xC0, 0x4F, 0xBF, 0xE0, 0x8B);

MIDL_DEFINE_GUID(CLSID,
CLSID_TPCC, 0x122A3128, 0x2520, 0x11D3, 0xBA, 0x71, 0x00, 0xC0, 0x4F, 0xBF, 0xE0, 0x8B);

MIDL_DEFINE_GUID(CLSID,
CLSID_NewOrder, 0x975BAABF, 0x84A7, 0x11D2, 0xBA, 0x47, 0x00, 0xC0, 0x4F, 0xBF, 0xE0, 0x8B);

MIDL_DEFINE_GUID(CLSID,
CLSID_OrderStatus, 0x266836AD, 0xA50D, 0x11D2, 0xBA, 0x4E, 0x00, 0xC0, 0x4F, 0xBF, 0xE0, 0x8B);

MIDL_DEFINE_GUID(CLSID,
CLSID_Payment, 0xCD02F7EF, 0xA4FA, 0x11D2, 0xBA, 0x4E, 0x00, 0xC0, 0x4F, 0xBF, 0xE0, 0x8B);

MIDL_DEFINE_GUID(CLSID,
CLSID_StockLevel, 0x2668369E, 0xA50D, 0x11D2, 0xBA, 0x4E, 0x00, 0xC0, 0x4F, 0xBF, 0xE0, 0x8B);

#undef MIDL_DEFINE_GUID

#ifdef __cplusplus
}
#endif

#endif /* defined(_M_IA64) || defined(_M_AXP64) */

```

tpcc_com_methods.h

```

/* FILE: METHODS.H
 * Microsoft TPC-C Kit Ver. 4.20.000
 * Copyright Microsoft, 1999
 * All Rights Reserved

```



```

*
*                               not yet audited
*
*   PURPOSE: Header file for COM components.
*
* Change history:
* 4.20.000 - first version
*/

enum COMPONENT_ERROR
{
    ERR_MISSING_REGISTRY_ENTRIES = 1,
    ERR_LOADDLL_FAILED,
    ERR_GETPROCADDR_FAILED,
    ERR_UNKNOWN_DB_PROTOCOL
};

class CCOMPONENT_ERR : public CBaseErr
{
public:
    CCOMPONENT_ERR(COMPONENT_ERROR Err)
    {
        m_Error = Err;
        m_szTextDetail = NULL;
        m_SystemErr = 0;
        m_szErrorText = NULL;
    };

    CCOMPONENT_ERR(COMPONENT_ERROR Err, char *szTextDetail, DWORD
dwSystemErr)
    {
        m_Error = Err;
        m_szTextDetail = new char[strlen(szTextDetail)+1];
        strcpy( m_szTextDetail, szTextDetail );
        m_SystemErr = dwSystemErr;
        m_szErrorText = NULL;
    };

    ~CCOMPONENT_ERR()
    {
        if (m_szTextDetail != NULL)
            delete [] m_szTextDetail;
        if (m_szErrorText != NULL)
            delete [] m_szErrorText;
    };

    COMPONENT_ERROR    m_Error;
    char               *m_szTextDetail;
    char               *m_szErrorText;
    DWORD              m_SystemErr;

    int ErrorType() {return ERR_TYPE_COMPONENT;};
    int ErrorNum() {return m_Error;};
    char *ErrorText();

};

static void WriteMessageToEventLog(LPTSTR lpszMsg);

////////////////////////////////////
// CTPCC_Common

```

```

class CTPCC_Common :
public ITPCC,
public IObjectControl,
public IObjectConstruct,
public CComObjectRootEx<CComSingleThreadModel>
{
public:
    BEGIN_COM_MAP(CTPCC_Common)
        COM_INTERFACE_ENTRY(ITPCC)
        COM_INTERFACE_ENTRY(IObjectControl)
        COM_INTERFACE_ENTRY(IObjectConstruct)
    END_COM_MAP()

    CTPCC_Common();
    ~CTPCC_Common();

// ITPCC
public:
    HRESULT __stdcall NewOrder(          int* iSize, UCHAR** txn);
    HRESULT __stdcall Payment(          int* iSize, UCHAR** txn);
    HRESULT __stdcall Delivery(          int* iSize, UCHAR** txn) {return
E_NOTIMPL;};
    HRESULT __stdcall StockLevel( int* iSize, UCHAR** txn);
    HRESULT __stdcall OrderStatus(      int* iSize, UCHAR** txn);

    HRESULT __stdcall CallSetComplete();

// IObjectControl
    STDMETHODIMP_(BOOL) CanBePooled() { return m_bCanBePooled; }
    STDMETHODIMP Activate() { return S_OK; } // we don't support COM
Services transactions (no enlistment)
    STDMETHODIMP_(void) Deactivate() { /* nothing to do */ }

// IObjectConstruct
    STDMETHODIMP Construct(IDispatch * pUnk);

// helper methods
private:
    BOOL            m_bCanBePooled;
    CTPCC_BASE     *m_pTxn;

    struct COM_DATA
    {
        int retVal;
        int error;
        union
        {
            NEW_ORDER_DATA          NewOrder;
            PAYMENT_DATA             Payment;
            DELIVERY_DATA            Delivery;
            STOCK_LEVEL_DATA         StockLevel;
            ORDER_STATUS_DATA        OrderStatus;
        } u;
    };

};

////////////////////////////////////
// CTPCC
class CTPCC :
public CTPCC_Common,
public CComCoClass<CTPCC, &CLSID_TPCC>
{

```

```

public:
DECLARE_REGISTRY_RESOURCEID(IDR_TPCC)

BEGIN_COM_MAP(CTPCC)
    COM_INTERFACE_ENTRY2(IUnknown, CComObjectRootEx)
    COM_INTERFACE_ENTRY_CHAIN(CTPCC_Common)
END_COM_MAP()

};

////////////////////////////////////
// CNewOrder
class CNewOrder :
    public CTPCC_Common,
    public CComCoClass<CNewOrder, &CLSID_NewOrder>
{
public:
DECLARE_REGISTRY_RESOURCEID(IDR_NEWORDER)

BEGIN_COM_MAP(CNewOrder)
    COM_INTERFACE_ENTRY2(IUnknown, CComObjectRootEx)
    COM_INTERFACE_ENTRY_CHAIN(CTPCC_Common)
END_COM_MAP()

// ITPCC
public:
// HRESULT __stdcall NewOrder(          int* iSize, UCHAR** txn) {return
E_NOTIMPL;}
// HRESULT __stdcall Payment(          int* iSize, UCHAR** txn) {return
E_NOTIMPL;}
// HRESULT __stdcall StockLevel( int* iSize, UCHAR** txn) {return E_NOTIMPL;}
// HRESULT __stdcall OrderStatus(      int* iSize, UCHAR** txn) {return
E_NOTIMPL;}
};

////////////////////////////////////
///
/// COrderStatus
class COrderStatus :
    public CTPCC_Common,
    public CComCoClass<COrderStatus, &CLSID_OrderStatus>
{
public:
DECLARE_REGISTRY_RESOURCEID(IDR_ORDERSTATUS)

BEGIN_COM_MAP(COrderStatus)
    COM_INTERFACE_ENTRY2(IUnknown, CComObjectRootEx)
    COM_INTERFACE_ENTRY_CHAIN(CTPCC_Common)
END_COM_MAP()

// ITPCC
public:
// HRESULT __stdcall NewOrder(          int* iSize, UCHAR** txn) {return
E_NOTIMPL;}
// HRESULT __stdcall Payment(          int* iSize, UCHAR** txn) {return
E_NOTIMPL;}
// HRESULT __stdcall StockLevel( int* iSize, UCHAR** txn) {return E_NOTIMPL;}
// HRESULT __stdcall OrderStatus(      int* iSize, UCHAR** txn) {return
E_NOTIMPL;}
};

```

```

////////////////////////////////////
// CPayment
class CPayment :
    public CTPCC_Common,
    public CComCoClass<CPayment, &CLSID_Payment>
{
public:
DECLARE_REGISTRY_RESOURCEID(IDR_PAYMENT)

BEGIN_COM_MAP(CPayment)
    COM_INTERFACE_ENTRY2(IUnknown, CComObjectRootEx)
    COM_INTERFACE_ENTRY_CHAIN(CTPCC_Common)
END_COM_MAP()

// ITPCC
public:
// HRESULT __stdcall NewOrder(          int* iSize, UCHAR** txn) {return
E_NOTIMPL;}
// HRESULT __stdcall Payment(          int* iSize, UCHAR** txn) {return
E_NOTIMPL;}
// HRESULT __stdcall StockLevel( int* iSize, UCHAR** txn) {return E_NOTIMPL;}
// HRESULT __stdcall OrderStatus(      int* iSize, UCHAR** txn) {return
E_NOTIMPL;}
};

////////////////////////////////////
// CStockLevel
class CStockLevel :
    public CTPCC_Common,
    public CComCoClass<CStockLevel, &CLSID_StockLevel>
{
public:
DECLARE_REGISTRY_RESOURCEID(IDR_STOCKLEVEL)

BEGIN_COM_MAP(CStockLevel)
    COM_INTERFACE_ENTRY2(IUnknown, CComObjectRootEx)
    COM_INTERFACE_ENTRY_CHAIN(CTPCC_Common)
END_COM_MAP()

// ITPCC
public:
// HRESULT __stdcall NewOrder(          int* iSize, UCHAR** txn) {return
E_NOTIMPL;}
// HRESULT __stdcall Payment(          int* iSize, UCHAR** txn) {return
E_NOTIMPL;}
// HRESULT __stdcall StockLevel( int* iSize, UCHAR** txn) {return E_NOTIMPL;}
// HRESULT __stdcall OrderStatus(      int* iSize, UCHAR** txn) {return
E_NOTIMPL;}
};


```

tpcc_com_no.rgs

```

HKCR
{
    TPCC.NewOrder.1 = s 'NewOrder Class'
    {
        CLSID = s '{975BAABF-84A7-11D2-BA47-00C04FBFE08B}'
    }
    TPCC.NewOrder = s 'NewOrder Class'
}

```

```

    {
        CurVer = s 'TPCC.NewOrder.1'
    }
    NoRemove CLSID
    {
        ForceRemove {975BAABF-84A7-11D2-BA47-00C04FBFE08B} = s 'NewOrder
Class'
        {
            ProgID = s 'TPCC.NewOrder.1'
            VersionIndependentProgID = s 'TPCC.NewOrder'
            InprocServer32 = s '%MODULE%'
            {
                val ThreadingModel = s 'Both'
            }
        }
    }
}

```

tpcc_com_os.rgs

```

HKCR
{
    TPCC.OrderStatus.1 = s 'OrderStatus Class'
    {
        CLSID = s '{266836AD-A50D-11D2-BA4E-00C04FBFE08B}'
    }
    TPCC.OrderStatus = s 'OrderStatus Class'
    {
        CurVer = s 'TPCC.OrderStatus.1'
    }
    NoRemove CLSID
    {
        ForceRemove {266836AD-A50D-11D2-BA4E-00C04FBFE08B} = s
'OrderStatus Class'
        {
            ProgID = s 'TPCC.OrderStatus.1'
            VersionIndependentProgID = s 'TPCC.OrderStatus'
            InprocServer32 = s '%MODULE%'
            {
                val ThreadingModel = s 'Both'
            }
        }
    }
}

```

tpcc_com_pay.rgs

```

HKCR
{
    TPCC.Payment.1 = s 'Payment Class'
    {
        CLSID = s '{CD02F7EF-A4FA-11D2-BA4E-00C04FBFE08B}'
    }
    TPCC.Payment = s 'Payment Class'
    {
        CurVer = s 'TPCC.Payment.1'
    }
    NoRemove CLSID
    {
        ForceRemove {CD02F7EF-A4FA-11D2-BA4E-00C04FBFE08B} = s 'Payment
Class'
    }
}

```

```

    {
        ProgID = s 'TPCC.Payment.1'
        VersionIndependentProgID = s 'TPCC.Payment'
        InprocServer32 = s '%MODULE%'
        {
            val ThreadingModel = s 'Both'
        }
    }
}

```

tpcc_com_ps.def

```

LIBRARY      "tpcc_com_ps"

DESCRIPTION  'Proxy/Stub DLL'

EXPORTS
    DllGetClassObject      @1    PRIVATE
    DllCanUnloadNow        @2    PRIVATE
    GetProxyDllInfo        @3    PRIVATE
    DllRegisterServer       @4    PRIVATE
    DllUnregisterServer     @5    PRIVATE

```

tpcc_com_ps.dsp

```

# Microsoft Developer Studio Project File - Name="tpcc_com_ps" - Package Owner=<4>
# Microsoft Developer Studio Generated Build File, Format Version 6.00
# ** DO NOT EDIT **

```

```

# TARGETTYPE "Win32 (x86) Application" 0x0101

```

```

CFG=tpcc_com_ps - Win32 Debug
!MESSAGE This is not a valid makefile. To build this project using NMAKE,
!MESSAGE use the Export Makefile command and run
!MESSAGE
!MESSAGE NMAKE /f "tpcc_com_ps.mak".
!MESSAGE
!MESSAGE You can specify a configuration when running NMAKE
!MESSAGE by defining the macro CFG on the command line. For example:
!MESSAGE
!MESSAGE NMAKE /f "tpcc_com_ps.mak" CFG="tpcc_com_ps - Win32 Debug"
!MESSAGE
!MESSAGE Possible choices for configuration are:
!MESSAGE
!MESSAGE "tpcc_com_ps - Win32 Release" (based on "Win32 (x86) Application")
!MESSAGE "tpcc_com_ps - Win32 Debug" (based on "Win32 (x86) Application")
!MESSAGE

```

```

# Begin Project
# PROP AllowPerConfigDependencies 0
# PROP Scc_ProjName ""
# PROP Scc_LocalPath ""
CPP=cl.exe
MTL=midl.exe
RSC=rc.exe

```

```

!IF "$(CFG)" == "tpcc_com_ps - Win32 Release"

```

```

# PROP BASE Use_MFC 0

```

```

# PROP BASE Use_Debug_Libraries 0
# PROP BASE Output_Dir "Release"
# PROP BASE Intermediate_Dir "Release"
# PROP BASE Target_Dir ""
# PROP Use_MFC 0
# PROP Use_Debug_Libraries 0
# PROP Output_Dir ".\bin"
# PROP Intermediate_Dir ".\obj"
# PROP Ignore_Export_Lib 0
# PROP Target_Dir ""
# ADD BASE CPP /nologo /W3 /GX /O2 /D "WIN32" /D "NDEBUG" /D "_WINDOWS" /YX /FD /c
# ADD CPP /nologo /W3 /GX /O2 /D "WIN32" /D "NDEBUG" /D "_WIN32_WINNT=0x0400" /D
"REGISTER_PROXY_DLL" /FD /c
# SUBTRACT CPP /YX
# ADD BASE MTL /nologo /D "NDEBUG" /mktyplib203 /o "NUL" /win32
# ADD MTL /nologo /D "NDEBUG" /mktyplib203 /o "NUL" /win32
# ADD BASE RSC /l 0x409 /d "NDEBUG"
# ADD RSC /l 0x409 /d "NDEBUG"
BSC32=bscmake.exe
# ADD BASE BSC32 /nologo
# ADD BSC32 /nologo
LINK32=link.exe
# ADD BASE LINK32 kernel32.lib user32.lib gdi32.lib winspool.lib comdlg32.lib
advapi32.lib shell32.lib ole32.lib oleaut32.lib uuid.lib odbccp32.lib
/nologo /subsystem:windows /machine:I386
# ADD LINK32 kernel32.lib rpcndr.lib rpcns4.lib rpctr4.lib oleaut32.lib uuid.lib
/nologo /entry:"DllMain" /subsystem:windows /dll /pdb:none /machine:I386
/def:".src\tpcc_com_ps.def"
# Begin Custom Build - Copying tpcc_com_ps.h
InputPath=.bin\tpcc_com_ps.dll
SOURCE=$(InputPath)

".\tpcc_com_all\src\tpcc_com_ps.h" : $(SOURCE) "$(INTDIR)" "$(OUTDIR)"
copy .\src\tpcc_com_ps.h .\tpcc_com_all\src\

# End Custom Build

!ELSEIF "$(CFG)" == "tpcc_com_ps - Win32 Debug"

# PROP BASE Use_MFC 0
# PROP BASE Use_Debug_Libraries 1
# PROP BASE Output_Dir "Debug"
# PROP BASE Intermediate_Dir "Debug"
# PROP BASE Target_Dir ""
# PROP Use_MFC 0
# PROP Use_Debug_Libraries 1
# PROP Output_Dir ".\bin"
# PROP Intermediate_Dir ".\obj"
# PROP Ignore_Export_Lib 0
# PROP Target_Dir ""
# ADD BASE CPP /nologo /W3 /Gm /GX /Zi /Od /D "WIN32" /D "_DEBUG" /D "_WINDOWS" /YX
/ FD /c
# ADD CPP /nologo /ZI /Od /D "WIN32" /D "_DEBUG" /D "_WIN32_WINNT=0x0400" /D
"REGISTER_PROXY_DLL" /FD /c
# ADD BASE MTL /nologo /D "_DEBUG" /mktyplib203 /o "NUL" /win32
# ADD MTL /nologo /D "_DEBUG" /mktyplib203 /o "NUL" /win32
# ADD BASE RSC /l 0x409 /d "_DEBUG"
# ADD RSC /l 0x409 /d "_DEBUG"
BSC32=bscmake.exe
# ADD BASE BSC32 /nologo
# ADD BSC32 /nologo
LINK32=link.exe

```

```

# ADD BASE LINK32 kernel32.lib user32.lib gdi32.lib winspool.lib comdlg32.lib
advapi32.lib shell32.lib ole32.lib oleaut32.lib uuid.lib odbccp32.lib
/nologo /subsystem:windows /debug /machine:I386 /pdbtype:sept
# ADD LINK32 kernel32.lib rpcndr.lib rpcns4.lib rpctr4.lib oleaut32.lib uuid.lib
/nologo /entry:"DllMain" /dll /debug /machine:IX86 /def:".src\tpcc_com_ps.def"
/pdbtype:sept
# SUBTRACT LINK32 /pdb:none
# Begin Custom Build - Copying tpcc_com_ps.h
InputPath=.bin\tpcc_com_ps.dll
SOURCE=$(InputPath)

".\tpcc_com_all\src\tpcc_com_ps.h" : $(SOURCE) "$(INTDIR)" "$(OUTDIR)"
copy .\src\tpcc_com_ps.h .\tpcc_com_all\src\

# End Custom Build

!ENDIF

# Begin Target

# Name "tpcc_com_ps - Win32 Release"
# Name "tpcc_com_ps - Win32 Debug"
# Begin Group "Source"

# PROP Default_Filter ""
# Begin Source File

SOURCE=.src\dll\data.c
# End Source File
# Begin Source File

SOURCE=.src\tpcc_com_ps.def
# PROP Exclude_From_Build 1
# End Source File
# Begin Source File

SOURCE=.src\tpcc_com_ps.idl

!IF "$(CFG)" == "tpcc_com_ps - Win32 Release"

# PROP Ignore_Default_Tool 1
# Begin Custom Build
InputPath=.src\tpcc_com_ps.idl

BuildCmds= \
midl /Oicf /h "tpcc_com_ps.h" /iid "tpcc_com_ps_i.c"
".src\tpcc_com_ps.idl" /out ".src"

".src\tpcc_com_ps.h" : $(SOURCE) "$(INTDIR)" "$(OUTDIR)"
$(BuildCmds)

".src\tpcc_com_ps_i.c" : $(SOURCE) "$(INTDIR)" "$(OUTDIR)"
$(BuildCmds)

".src\dll\data.c" : $(SOURCE) "$(INTDIR)" "$(OUTDIR)"
$(BuildCmds)

".src\tpcc_com_ps_p.c" : $(SOURCE) "$(INTDIR)" "$(OUTDIR)"
$(BuildCmds)
# End Custom Build

!ELSEIF "$(CFG)" == "tpcc_com_ps - Win32 Debug"

```

```

# PROP Ignore_Default_Tool 1
# Begin Custom Build
InputPath=.\src\tpcc_com_ps.idl

BuildCmds= \
    midl /Oicf /h "tpcc_com_ps.h" /iid "tpcc_com_ps_i.c"
".\src\tpcc_com_ps.idl" /out ".\src"

".\src\tpcc_com_ps.h" : $(SOURCE) "$(INTDIR)" "$(OUTDIR)"
$(BuildCmds)

".\src\tpcc_com_ps_i.c" : $(SOURCE) "$(INTDIR)" "$(OUTDIR)"
$(BuildCmds)

".\src\dlldata.c" : $(SOURCE) "$(INTDIR)" "$(OUTDIR)"
$(BuildCmds)

".\src\tpcc_com_ps_p.c" : $(SOURCE) "$(INTDIR)" "$(OUTDIR)"
$(BuildCmds)
# End Custom Build

!ENDIF

# End Source File
# Begin Source File

SOURCE=.\src\tpcc_com_ps_i.c
# End Source File
# Begin Source File

SOURCE=.\src\tpcc_com_ps_p.c
# End Source File
# End Group
# End Target
# End Project

```

tpcc_com_ps.h

```

#pragma warning( disable: 4049 ) /* more than 64k source lines */

/* this ALWAYS GENERATED file contains the definitions for the interfaces */

/* File created by MIDL compiler version 5.03.0280 */
/* at Wed Feb 09 23:57:55 2000
*/
/* Compiler settings for .\src\tpcc_com_ps.idl:
    Oicf (OptLev=i2), Wl, Zp8, env=Win32 (32b run), ms_ext, c_ext
    error checks: allocation ref bounds_check enum stub_data
    VC __declspec() decoration level:
        __declspec(uuid()), __declspec(selectany), __declspec(novtable)
        DECLSPEC_UUID(), MIDL_INTERFACE()
*/
//@@MIDL_FILE_HEADING(  )

/* verify that the <rpcndr.h> version is high enough to compile this file*/
#ifdef __REQUIRED_RPCNDR_H_VERSION__
#define __REQUIRED_RPCNDR_H_VERSION__ 440
#endif

```

```

#include "rpc.h"
#include "rpcndr.h"

#ifdef __RPCNDR_H_VERSION__
#error this stub requires an updated version of <rpcndr.h>
#endif // __RPCNDR_H_VERSION__

#ifdef COM_NO_WINDOWS_H
#include "windows.h"
#include "ole2.h"
#endif /*COM_NO_WINDOWS_H*/

#ifdef __tpcc_com_ps_h__
#define __tpcc_com_ps_h__

/* Forward Declarations */

#ifdef __ITPCC_FWD_DEFINED__
#define __ITPCC_FWD_DEFINED__
typedef interface ITPCC ITPCC;
#endif /* __ITPCC_FWD_DEFINED__ */

/* header files for imported files */
#include "oaidl.h"
#include "ocidl.h"

#ifdef __cplusplus
extern "C"{
#endif

void __RPC_FAR * __RPC_USER MIDL_user_allocate(size_t);
void __RPC_USER MIDL_user_free( void __RPC_FAR * );

#ifdef __ITPCC_INTERFACE_DEFINED__
#define __ITPCC_INTERFACE_DEFINED__

/* interface ITPCC */
/* [unique][helpstring][uuid][object] */

EXTERN_C const IID IID_ITPCC;

#if defined(__cplusplus) && !defined(CINTERFACE)

MIDL_INTERFACE("FEEE6AA2-84B1-11d2-BA47-00C04FBFE08B")
ITPCC : public IUnknown
{
public:
    virtual HRESULT __stdcall NewOrder(
        /* [out][in] */ int __RPC_FAR *iSize,
        /* [size_is][size_is][out][in] */ unsigned char __RPC_FAR * __RPC_FAR
*txn) = 0;

    virtual HRESULT __stdcall Payment(
        /* [out][in] */ int __RPC_FAR *iSize,
        /* [size_is][size_is][out][in] */ unsigned char __RPC_FAR * __RPC_FAR
*txn) = 0;

    virtual HRESULT __stdcall Delivery(
        /* [in] */ int __RPC_FAR *iSize,
        /* [size_is][size_is][in] */ unsigned char __RPC_FAR * __RPC_FAR *txn) =
0;

```

```

    virtual HRESULT __stdcall StockLevel(
        /* [out][in] */ int __RPC_FAR *iSize,
        /* [size_is][size_is][out][in] */ unsigned char __RPC_FAR * __RPC_FAR
*txn) = 0;

    virtual HRESULT __stdcall OrderStatus(
        /* [out][in] */ int __RPC_FAR *iSize,
        /* [size_is][size_is][out][in] */ unsigned char __RPC_FAR * __RPC_FAR
*txn) = 0;

    virtual HRESULT __stdcall CallSetComplete( void) = 0;
};

#else /* C style interface */

typedef struct ITPCCVtbl
{
    BEGIN_INTERFACE

    HRESULT ( STDMETHODCALLTYPE __RPC_FAR *QueryInterface )(
        ITPCC __RPC_FAR * This,
        /* [in] */ REFIID riid,
        /* [iid_is][out] */ void __RPC_FAR * __RPC_FAR *ppvObject);

    ULONG ( STDMETHODCALLTYPE __RPC_FAR *AddRef )(
        ITPCC __RPC_FAR * This);

    ULONG ( STDMETHODCALLTYPE __RPC_FAR *Release )(
        ITPCC __RPC_FAR * This);

    HRESULT ( STDMETHODCALLTYPE __RPC_FAR *NewOrder )(
        ITPCC __RPC_FAR * This,
        /* [out][in] */ int __RPC_FAR *iSize,
        /* [size_is][size_is][out][in] */ unsigned char __RPC_FAR * __RPC_FAR
*txn);

    HRESULT ( STDMETHODCALLTYPE __RPC_FAR *Payment )(
        ITPCC __RPC_FAR * This,
        /* [out][in] */ int __RPC_FAR *iSize,
        /* [size_is][size_is][out][in] */ unsigned char __RPC_FAR * __RPC_FAR
*txn);

    HRESULT ( STDMETHODCALLTYPE __RPC_FAR *Delivery )(
        ITPCC __RPC_FAR * This,
        /* [in] */ int __RPC_FAR *iSize,
        /* [size_is][size_is][in] */ unsigned char __RPC_FAR * __RPC_FAR *txn);

    HRESULT ( STDMETHODCALLTYPE __RPC_FAR *StockLevel )(
        ITPCC __RPC_FAR * This,
        /* [out][in] */ int __RPC_FAR *iSize,
        /* [size_is][size_is][out][in] */ unsigned char __RPC_FAR * __RPC_FAR
*txn);

    HRESULT ( STDMETHODCALLTYPE __RPC_FAR *OrderStatus )(
        ITPCC __RPC_FAR * This,
        /* [out][in] */ int __RPC_FAR *iSize,
        /* [size_is][size_is][out][in] */ unsigned char __RPC_FAR * __RPC_FAR
*txn);

    HRESULT ( STDMETHODCALLTYPE __RPC_FAR *CallSetComplete )(
        ITPCC __RPC_FAR * This);
};

```

```

    END_INTERFACE
} ITPCCVtbl;

interface ITPCC
{
    CONST_VTBL struct ITPCCVtbl __RPC_FAR *lpVtbl;
};

#ifdef COBJMACROS

#define ITPCC_QueryInterface(This,riid,ppvObject) \
    (This)->lpVtbl -> QueryInterface(This,riid,ppvObject)

#define ITPCC_AddRef(This) \
    (This)->lpVtbl -> AddRef(This)

#define ITPCC_Release(This) \
    (This)->lpVtbl -> Release(This)

#define ITPCC_NewOrder(This,iSize,txn) \
    (This)->lpVtbl -> NewOrder(This,iSize,txn)

#define ITPCC_Payment(This,iSize,txn) \
    (This)->lpVtbl -> Payment(This,iSize,txn)

#define ITPCC_Delivery(This,iSize,txn) \
    (This)->lpVtbl -> Delivery(This,iSize,txn)

#define ITPCC_StockLevel(This,iSize,txn) \
    (This)->lpVtbl -> StockLevel(This,iSize,txn)

#define ITPCC_OrderStatus(This,iSize,txn) \
    (This)->lpVtbl -> OrderStatus(This,iSize,txn)

#define ITPCC_CallSetComplete(This) \
    (This)->lpVtbl -> CallSetComplete(This)

#endif /* COBJMACROS */

#endif /* C style interface */

HRESULT __stdcall ITPCC_NewOrder_Proxy(
    ITPCC __RPC_FAR * This,
    /* [out][in] */ int __RPC_FAR *iSize,
    /* [size_is][size_is][out][in] */ unsigned char __RPC_FAR * __RPC_FAR *txn);

void __RPC_STUB ITPCC_NewOrder_Stub(
    IRpcStubBuffer *This,
    IRpcChannelBuffer *pRpcChannelBuffer,
    PRPC_MESSAGE pRpcMessage,
    DWORD *_pdwStubPhase);

HRESULT __stdcall ITPCC_Payment_Proxy(

```

```

ITPCC __RPC_FAR * This,
/* [out][in] */ int __RPC_FAR *iSize,
/* [size_is][size_is][out][in] */ unsigned char __RPC_FAR * __RPC_FAR *txn);

void __RPC_STUB ITPCC_Payment_Stub(
IRpcStubBuffer *This,
IRpcChannelBuffer *pRpcChannelBuffer,
PRPC_MESSAGE _pRpcMessage,
DWORD *_pdwStubPhase);

HRESULT __stdcall ITPCC_Delivery_Proxy(
ITPCC __RPC_FAR * This,
/* [in] */ int __RPC_FAR *iSize,
/* [size_is][size_is][in] */ unsigned char __RPC_FAR * __RPC_FAR *txn);

void __RPC_STUB ITPCC_Delivery_Stub(
IRpcStubBuffer *This,
IRpcChannelBuffer *pRpcChannelBuffer,
PRPC_MESSAGE _pRpcMessage,
DWORD *_pdwStubPhase);

HRESULT __stdcall ITPCC_StockLevel_Proxy(
ITPCC __RPC_FAR * This,
/* [out][in] */ int __RPC_FAR *iSize,
/* [size_is][size_is][out][in] */ unsigned char __RPC_FAR * __RPC_FAR *txn);

void __RPC_STUB ITPCC_StockLevel_Stub(
IRpcStubBuffer *This,
IRpcChannelBuffer *pRpcChannelBuffer,
PRPC_MESSAGE _pRpcMessage,
DWORD *_pdwStubPhase);

HRESULT __stdcall ITPCC_OrderStatus_Proxy(
ITPCC __RPC_FAR * This,
/* [out][in] */ int __RPC_FAR *iSize,
/* [size_is][size_is][out][in] */ unsigned char __RPC_FAR * __RPC_FAR *txn);

void __RPC_STUB ITPCC_OrderStatus_Stub(
IRpcStubBuffer *This,
IRpcChannelBuffer *pRpcChannelBuffer,
PRPC_MESSAGE _pRpcMessage,
DWORD *_pdwStubPhase);

HRESULT __stdcall ITPCC_CallSetComplete_Proxy(
ITPCC __RPC_FAR * This);

void __RPC_STUB ITPCC_CallSetComplete_Stub(
IRpcStubBuffer *This,
IRpcChannelBuffer *pRpcChannelBuffer,
PRPC_MESSAGE _pRpcMessage,
DWORD *_pdwStubPhase);

```

```

#endif /* __ITPCC_INTERFACE_DEFINED__ */

/* Additional Prototypes for ALL interfaces */
/* end of Additional Prototypes */

#ifdef __cplusplus
}
#endif

#endif

```

tpcc_com_ps.idl

```

/* FILE: ITPCC.IDL
 * Microsoft TPC-C Kit Ver. 4.20.000
 * Copyright Microsoft, 1999
 *
 * All Rights Reserved
 *
 * not yet audited
 *
 * PURPOSE: Defines the interface used by TPCC. This interface can be
implemented by C++ components.
 *
 * Change history:
 * 4.20.000 - first version
 */

// Forward declare all types defined
//interface ITPCC;
import "oidl.idl";
import "ocidl.idl";

[
    object,
    uuid(FEEE6AA2-84B1-11d2-BA47-00C04FBFE08B),
    helpstring("ITPCC Interface"),
    pointer_default(unique)
]
interface ITPCC : IUnknown
{
    HRESULT __stdcall NewOrder(
        [in, out] int* iSize,
        [in, out, size_is( ,
        *iSize)] char** txn
    );

    HRESULT __stdcall Payment(
        [in, out] int* iSize,
        [in, out, size_is( ,
        *iSize)] char** txn
    );

    HRESULT __stdcall Delivery(
        [in] int* iSize,

```

```

char** txn
                                [in, size_is( , *iSize)]
                                );
                                HRESULT _stdcall StockLevel
                                (
                                [in, out] int* iSize,
                                [in, out, size_is( ,
*iSize)] char** txn
                                );
                                HRESULT _stdcall OrderStatus
                                (
                                [in, out] int* iSize,
                                [in, out, size_is( ,
*iSize)] char** txn
                                );
                                HRESULT _stdcall CallSetComplete
                                (
                                );
}; // interface ITPCC

```

tpcc_com_ps_i.c

```

#pragma warning( disable: 4049 ) /* more than 64k source lines */
/* this ALWAYS GENERATED file contains the IIDs and CLSIDs */
/* link this file in with the server and any clients */

/* File created by MIDL compiler version 5.03.0280 */
/* at Wed Feb 09 23:57:55 2000 */
/*
/* Compiler settings for .\src\tpcc_com_ps.idl:
Oicf (OptLev=i2), Wl, Zp8, env=Win32 (32b run), ms_ext, c_ext
error checks: allocation ref bounds_check enum stub_data
VC __declspec() decoration level:
__declspec(uuid()), __declspec(selectany), __declspec(novtable)
DECLSPEC_UUID(), MIDL_INTERFACE()
*/
//@@MIDL_FILE_HEADING(  )

#if !defined(_M_IA64) && !defined(_M_AXP64)

#ifdef __cplusplus
extern "C"{
#endif

#include <rpc.h>
#include <rpcndr.h>

#ifdef _MIDL_USE_GUIDDEF_

#ifndef INITGUID
#define INITGUID
#endif

#endif


```

```

#include <guiddef.h>
#ifndef INITGUID
#else
#include <guiddef.h>
#endif

#define MIDL_DEFINE_GUID(type,name,l,w1,w2,b1,b2,b3,b4,b5,b6,b7,b8) \
    DEFINE_GUID(name,l,w1,w2,b1,b2,b3,b4,b5,b6,b7,b8)

#else // !_MIDL_USE_GUIDDEF_

#ifndef __IID_DEFINED__
#define __IID_DEFINED__

typedef struct _IID
{
    unsigned long x;
    unsigned short s1;
    unsigned short s2;
    unsigned char c[8];
} IID;

#endif // __IID_DEFINED__

#ifndef CLSID_DEFINED
#define CLSID_DEFINED
typedef IID CLSID;
#endif // CLSID_DEFINED

#define MIDL_DEFINE_GUID(type,name,l,w1,w2,b1,b2,b3,b4,b5,b6,b7,b8) \
    const type name = {l,w1,w2,{b1,b2,b3,b4,b5,b6,b7,b8}}

#endif !_MIDL_USE_GUIDDEF_

MIDL_DEFINE_GUID(IID,
IID_ITPCC,0xFEE6AA2,0x84B1,0x11d2,0xBA,0x47,0x00,0xC0,0x4F,0xBF,0xE0,0x8B);

#undef MIDL_DEFINE_GUID

#ifdef __cplusplus
}
#endif

#endif /* !defined(_M_IA64) && !defined(_M_AXP64) */

#pragma warning( disable: 4049 ) /* more than 64k source lines */
/* this ALWAYS GENERATED file contains the IIDs and CLSIDs */
/* link this file in with the server and any clients */

/* File created by MIDL compiler version 5.03.0280 */
/* at Wed Feb 09 23:57:55 2000 */
/*
/* Compiler settings for .\src\tpcc_com_ps.idl:
Oicf (OptLev=i2), Wl, Zp8, env=Win64 (32b run,appending), ms_ext, c_ext, robust
error checks: allocation ref bounds_check enum stub_data
VC __declspec() decoration level:
__declspec(uuid()), __declspec(selectany), __declspec(novtable)

```



```

DECLSPEC_UUID(), MIDL_INTERFACE()
*/
//@@MIDL_FILE_HEADING( )

#if defined(_M_IA64) || defined(_M_AXP64)

#ifdef __cplusplus
extern "C"{
#endif

#include <rpc.h>
#include <rpcndr.h>

#ifdef _MIDL_USE_GUIDDEF_

#ifndef INITGUID
#define INITGUID
#include <guiddef.h>
#undef INITGUID
#else
#include <guiddef.h>
#endif

#define MIDL_DEFINE_GUID(type,name,l,w1,w2,b1,b2,b3,b4,b5,b6,b7,b8) \
    DEFINE_GUID(name,l,w1,w2,b1,b2,b3,b4,b5,b6,b7,b8)

#else // !_MIDL_USE_GUIDDEF_

#ifndef __IID_DEFINED__
#define __IID_DEFINED__

typedef struct _IID
{
    unsigned long x;
    unsigned short s1;
    unsigned short s2;
    unsigned char c[8];
} IID;

#endif // __IID_DEFINED__

#ifndef CLSID_DEFINED
#define CLSID_DEFINED
typedef IID CLSID;
#endif // CLSID_DEFINED

#define MIDL_DEFINE_GUID(type,name,l,w1,w2,b1,b2,b3,b4,b5,b6,b7,b8) \
    const type name = {l,w1,w2,{b1,b2,b3,b4,b5,b6,b7,b8}}

#endif !_MIDL_USE_GUIDDEF_

MIDL_DEFINE_GUID(IID,
IID_ITPCC,0xFEE6AA2,0x84B1,0x11d2,0xBA,0x47,0x00,0xC0,0x4F,0xBF,0xE0,0x8B);

#undef MIDL_DEFINE_GUID

#ifdef __cplusplus
}
#endif

```

```

#endif /* defined(_M_IA64) || defined(_M_AXP64) */

```

tpcc_com_ps_p.c

```

#pragma warning( disable: 4049 ) /* more than 64k source lines */

/* this ALWAYS GENERATED file contains the proxy stub code */

/* File created by MIDL compiler version 5.03.0280 */
/* at Wed Feb 09 23:57:55 2000
*/
/* Compiler settings for .\src\tpcc_com_ps.idl:
    Oicf (OptLev=i2), Wl, Zp8, env=Win32 (32b run), ms_ext, c_ext
    error checks: allocation ref bounds_check enum stub_data
    VC __declspec() decoration level:
        __declspec(uuid()), __declspec(selectany), __declspec(novtable)
    DECLSPEC_UUID(), MIDL_INTERFACE()
*/
//@@MIDL_FILE_HEADING( )

#if !defined(_M_IA64) && !defined(_M_AXP64)
#define USE_STUBLESS_PROXY

/* verify that the <rpcproxy.h> version is high enough to compile this file*/
#ifdef __REDQ_RPCPROXY_H_VERSION__
#define __REQUIRED_RPCPROXY_H_VERSION__ 440
#endif

#include "rpcproxy.h"
#ifdef __RPCPROXY_H_VERSION__
#error this stub requires an updated version of <rpcproxy.h>
#endif // __RPCPROXY_H_VERSION__

#include "tpcc_com_ps.h"

#define TYPE_FORMAT_STRING_SIZE 33
#define PROC_FORMAT_STRING_SIZE 193
#define TRANSMIT_AS_TABLE_SIZE 0
#define WIRE_MARSHAL_TABLE_SIZE 0

typedef struct _MIDL_TYPE_FORMAT_STRING
{
    short Pad;
    unsigned char Format[ TYPE_FORMAT_STRING_SIZE ];
} MIDL_TYPE_FORMAT_STRING;

typedef struct _MIDL_PROC_FORMAT_STRING
{
    short Pad;
    unsigned char Format[ PROC_FORMAT_STRING_SIZE ];
} MIDL_PROC_FORMAT_STRING;

extern const MIDL_TYPE_FORMAT_STRING __MIDL_TypeFormatString;
extern const MIDL_PROC_FORMAT_STRING __MIDL_ProcFormatString;

```

```

/* Object interface: IUnknown, ver. 0.0,
   GUID={0x00000000,0x0000,0x0000,{0xC0,0x00,0x00,0x00,0x00,0x00,0x00,0x46}} */

/* Object interface: ITPCC, ver. 0.0,
   GUID={0xFEE6AA2,0x84B1,0x11d2,{0xBA,0x47,0x00,0xC0,0x4F,0xBF,0xE0,0x8B}} */

extern const MIDL_STUB_DESC Object_StubDesc;

extern const MIDL_SERVER_INFO ITPCC_ServerInfo;

#pragma code_seg(".orpc")
static const unsigned short ITPCC_FormatStringOffsetTable[] =
{
    0,
    34,
    68,
    102,
    136,
    170
};

static const MIDL_SERVER_INFO ITPCC_ServerInfo =
{
    &Object_StubDesc,
    0,
    __MIDL_ProcFormatString.Format,
    &ITPCC_FormatStringOffsetTable[-3],
    0,
    0,
    0,
    0
};

static const MIDL_STUBLESS_PROXY_INFO ITPCC_ProxyInfo =
{
    &Object_StubDesc,
    __MIDL_ProcFormatString.Format,
    &ITPCC_FormatStringOffsetTable[-3],
    0,
    0,
    0
};

CINTERFACE_PROXY_VTABLE(9) _ITPCCProxyVtbl =
{
    &ITPCC_ProxyInfo,
    &IID_ITPCC,
    IUnknown_QueryInterface_Proxy,
    IUnknown_AddRef_Proxy,
    IUnknown_Release_Proxy ,
    (void *)-1 /* ITPCC::NewOrder */ ,
    (void *)-1 /* ITPCC::Payment */ ,
    (void *)-1 /* ITPCC::Delivery */ ,
    (void *)-1 /* ITPCC::StockLevel */ ,
    (void *)-1 /* ITPCC::OrderStatus */ ,
    (void *)-1 /* ITPCC::CallSetComplete */
};

const CInterfaceStubVtbl _ITPCCStubVtbl =

```

```

{
    &IID_ITPCC,
    &ITPCC_ServerInfo,
    9,
    0, /* pure interpreted */
    CStdStubBuffer_METHODS
};

static const MIDL_STUB_DESC Object_StubDesc =
{
    0,
    NdrOleAllocate,
    NdrOleFree,
    0,
    0,
    0,
    0,
    0,
    0,
    __MIDL_TypeFormatString.Format,
    1, /* -error bounds_check flag */
    0x20000, /* Ndr library version */
    0,
    0x5030118, /* MIDL Version 5.3.280 */
    0,
    0,
    0, /* notify & notify_flag routine table */
    0x1, /* MIDL flag */
    0, /* Reserved3 */
    0, /* Reserved4 */
    0 /* Reserved5 */
};

#pragma data_seg(".rdata")

#if !defined(__RPC_WIN32__)
#error Invalid build platform for this stub.
#endif

#if !(TARGET_IS_NT40_OR_LATER)
#error You need a Windows NT 4.0 or later to run this stub because it uses these
features:
#error -Oif or -Oicf.
#error However, your C/C++ compilation flags indicate you intend to run this app on
earlier systems.
#error This app will die there with the RPC_X_WRONG_STUB_VERSION error.
#endif

static const MIDL_PROC_FORMAT_STRING __MIDL_ProcFormatString =
{
    {
        /* Procedure NewOrder */

        0x33, /* FC_AUTO_HANDLE */
        0x6c, /* Old Flags: object, Oi2 */
    }
};

/* 2 */ NdrFcLong( 0x0 ), /* 0 */
/* 6 */ NdrFcShort( 0x3 ), /* 3 */
#ifdef _ALPHA
/* 8 */ NdrFcShort( 0x10 ), /* x86, MIPS, PPC Stack size/offset = 16 */
#else

```

```

                                NdrFcShort( 0x20 ), /* Alpha Stack size/offset = 32 */
#endif
/* 10 */ NdrFcShort( 0x8 ), /* 8 */
/* 12 */ NdrFcShort( 0x10 ), /* 16 */
/* 14 */ 0x7, /* Oi2 Flags: srv must size, clt must size, has
return, */
                                0x3, /* 3 */

/* Parameter iSize */

/* 16 */ NdrFcShort( 0x158 ), /* Flags: in, out, base type, simple ref,
*/
#ifndef _ALPHA_
/* 18 */ NdrFcShort( 0x4 ), /* x86, MIPS, PPC Stack size/offset = 4 */
#else
                                NdrFcShort( 0x8 ), /* Alpha Stack size/offset = 8 */
#endif
/* 20 */ 0x8, /* FC_LONG */
                                0x0, /* 0 */

/* Parameter txn */

/* 22 */ NdrFcShort( 0x201b ), /* Flags: must size, must free, in, out,
srv alloc size=8 */
#ifndef _ALPHA_
/* 24 */ NdrFcShort( 0x8 ), /* x86, MIPS, PPC Stack size/offset = 8 */
#else
                                NdrFcShort( 0x10 ), /* Alpha Stack size/offset = 16 */
#endif
/* 26 */ NdrFcShort( 0x6 ), /* Type Offset=6 */

/* Return value */

/* 28 */ NdrFcShort( 0x70 ), /* Flags: out, return, base type, */
#ifndef _ALPHA_
/* 30 */ NdrFcShort( 0xc ), /* x86, MIPS, PPC Stack size/offset = 12 */
#else
                                NdrFcShort( 0x18 ), /* Alpha Stack size/offset = 24 */
#endif
/* 32 */ 0x8, /* FC_LONG */
                                0x0, /* 0 */

/* Procedure Payment */

/* 34 */ 0x33, /* FC_AUTO_HANDLE */
                                0x6c, /* Old Flags: object, Oi2 */
/* 36 */ NdrFcLong( 0x0 ), /* 0 */
/* 40 */ NdrFcShort( 0x4 ), /* 4 */
#ifndef _ALPHA_
/* 42 */ NdrFcShort( 0x10 ), /* x86, MIPS, PPC Stack size/offset = 16 */
#else
                                NdrFcShort( 0x20 ), /* Alpha Stack size/offset = 32 */
#endif
/* 44 */ NdrFcShort( 0x8 ), /* 8 */
/* 46 */ NdrFcShort( 0x10 ), /* 16 */
/* 48 */ 0x7, /* Oi2 Flags: srv must size, clt must size, has
return, */
                                0x3, /* 3 */

/* Parameter iSize */

/* 50 */ NdrFcShort( 0x158 ), /* Flags: in, out, base type, simple ref,
*/

```

```

#ifndef _ALPHA_
/* 52 */ NdrFcShort( 0x4 ), /* x86, MIPS, PPC Stack size/offset = 4 */
#else
                                NdrFcShort( 0x8 ), /* Alpha Stack size/offset = 8 */
#endif
/* 54 */ 0x8, /* FC_LONG */
                                0x0, /* 0 */

/* Parameter txn */

/* 56 */ NdrFcShort( 0x201b ), /* Flags: must size, must free, in, out,
srv alloc size=8 */
#ifndef _ALPHA_
/* 58 */ NdrFcShort( 0x8 ), /* x86, MIPS, PPC Stack size/offset = 8 */
#else
                                NdrFcShort( 0x10 ), /* Alpha Stack size/offset = 16 */
#endif
/* 60 */ NdrFcShort( 0x6 ), /* Type Offset=6 */

/* Return value */

/* 62 */ NdrFcShort( 0x70 ), /* Flags: out, return, base type, */
#ifndef _ALPHA_
/* 64 */ NdrFcShort( 0xc ), /* x86, MIPS, PPC Stack size/offset = 12 */
#else
                                NdrFcShort( 0x18 ), /* Alpha Stack size/offset = 24 */
#endif
/* 66 */ 0x8, /* FC_LONG */
                                0x0, /* 0 */

/* Procedure Delivery */

/* 68 */ 0x33, /* FC_AUTO_HANDLE */
                                0x6c, /* Old Flags: object, Oi2 */
/* 70 */ NdrFcLong( 0x0 ), /* 0 */
/* 74 */ NdrFcShort( 0x5 ), /* 5 */
#ifndef _ALPHA_
/* 76 */ NdrFcShort( 0x10 ), /* x86, MIPS, PPC Stack size/offset = 16 */
#else
                                NdrFcShort( 0x20 ), /* Alpha Stack size/offset = 32 */
#endif
/* 78 */ NdrFcShort( 0x8 ), /* 8 */
/* 80 */ NdrFcShort( 0x8 ), /* 8 */
/* 82 */ 0x6, /* Oi2 Flags: clt must size, has return, */
                                0x3, /* 3 */

/* Parameter iSize */

/* 84 */ NdrFcShort( 0x148 ), /* Flags: in, base type, simple ref, */
#ifndef _ALPHA_
/* 86 */ NdrFcShort( 0x4 ), /* x86, MIPS, PPC Stack size/offset = 4 */
#else
                                NdrFcShort( 0x8 ), /* Alpha Stack size/offset = 8 */
#endif
/* 88 */ 0x8, /* FC_LONG */
                                0x0, /* 0 */

/* Parameter txn */

/* 90 */ NdrFcShort( 0x200b ), /* Flags: must size, must free, in, srv
alloc size=8 */
#ifndef _ALPHA_
/* 92 */ NdrFcShort( 0x8 ), /* x86, MIPS, PPC Stack size/offset = 8 */

```

```

#else
                                NdrFcShort( 0x10 ), /* Alpha Stack size/offset = 16 */
#endif
/* 94 */ NdrFcShort( 0x18 ), /* Type Offset=24 */

    /* Return value */

/* 96 */ NdrFcShort( 0x70 ), /* Flags: out, return, base type, */
#ifndef ALPHA
/* 98 */ NdrFcShort( 0xc ), /* x86, MIPS, PPC Stack size/offset = 12 */
#else
                                NdrFcShort( 0x18 ), /* Alpha Stack size/offset = 24 */
#endif
/* 100 */ 0x8,
                                /* FC_LONG */
                                0x0, /* 0 */

    /* Procedure StockLevel */

/* 102 */ 0x33,
                                /* FC_AUTO_HANDLE */
                                0x6c, /* Old Flags: object, Oi2 */
/* 104 */ NdrFcLong( 0x0 ), /* 0 */
/* 108 */ NdrFcShort( 0x6 ), /* 6 */
#ifndef ALPHA
/* 110 */ NdrFcShort( 0x10 ), /* x86, MIPS, PPC Stack size/offset = 16 */
#else
                                NdrFcShort( 0x20 ), /* Alpha Stack size/offset = 32 */
#endif
/* 112 */ NdrFcShort( 0x8 ), /* 8 */
/* 114 */ NdrFcShort( 0x10 ), /* 16 */
/* 116 */ 0x7,
                                /* Oi2 Flags: srv must size, clt must size, has
return, */
                                0x3, /* 3 */

    /* Parameter iSize */

/* 118 */ NdrFcShort( 0x158 ), /* Flags: in, out, base type, simple ref,
*/
#ifndef ALPHA
/* 120 */ NdrFcShort( 0x4 ), /* x86, MIPS, PPC Stack size/offset = 4 */
#else
                                NdrFcShort( 0x8 ), /* Alpha Stack size/offset = 8 */
#endif
/* 122 */ 0x8,
                                /* FC_LONG */
                                0x0, /* 0 */

    /* Parameter txn */

/* 124 */ NdrFcShort( 0x201b ), /* Flags: must size, must free, in, out,
srv alloc size=8 */
#ifndef ALPHA
/* 126 */ NdrFcShort( 0x8 ), /* x86, MIPS, PPC Stack size/offset = 8 */
#else
                                NdrFcShort( 0x10 ), /* Alpha Stack size/offset = 16 */
#endif
/* 128 */ NdrFcShort( 0x6 ), /* Type Offset=6 */

    /* Return value */

/* 130 */ NdrFcShort( 0x70 ), /* Flags: out, return, base type, */
#ifndef ALPHA
/* 132 */ NdrFcShort( 0xc ), /* x86, MIPS, PPC Stack size/offset = 12 */
#else
                                NdrFcShort( 0x18 ), /* Alpha Stack size/offset = 24 */

```

```

#endif
/* 134 */ 0x8,
                                /* FC_LONG */
                                0x0, /* 0 */

    /* Procedure OrderStatus */

/* 136 */ 0x33,
                                /* FC_AUTO_HANDLE */
                                0x6c, /* Old Flags: object, Oi2 */
/* 138 */ NdrFcLong( 0x0 ), /* 0 */
/* 142 */ NdrFcShort( 0x7 ), /* 7 */
#ifndef ALPHA
/* 144 */ NdrFcShort( 0x10 ), /* x86, MIPS, PPC Stack size/offset = 16 */
#else
                                NdrFcShort( 0x20 ), /* Alpha Stack size/offset = 32 */
#endif
/* 146 */ NdrFcShort( 0x8 ), /* 8 */
/* 148 */ NdrFcShort( 0x10 ), /* 16 */
/* 150 */ 0x7,
                                /* Oi2 Flags: srv must size, clt must size, has
return, */
                                0x3, /* 3 */

    /* Parameter iSize */

/* 152 */ NdrFcShort( 0x158 ), /* Flags: in, out, base type, simple ref,
*/
#ifndef ALPHA
/* 154 */ NdrFcShort( 0x4 ), /* x86, MIPS, PPC Stack size/offset = 4 */
#else
                                NdrFcShort( 0x8 ), /* Alpha Stack size/offset = 8 */
#endif
/* 156 */ 0x8,
                                /* FC_LONG */
                                0x0, /* 0 */

    /* Parameter txn */

/* 158 */ NdrFcShort( 0x201b ), /* Flags: must size, must free, in, out,
srv alloc size=8 */
#ifndef ALPHA
/* 160 */ NdrFcShort( 0x8 ), /* x86, MIPS, PPC Stack size/offset = 8 */
#else
                                NdrFcShort( 0x10 ), /* Alpha Stack size/offset = 16 */
#endif
/* 162 */ NdrFcShort( 0x6 ), /* Type Offset=6 */

    /* Return value */

/* 164 */ NdrFcShort( 0x70 ), /* Flags: out, return, base type, */
#ifndef ALPHA
/* 166 */ NdrFcShort( 0xc ), /* x86, MIPS, PPC Stack size/offset = 12 */
#else
                                NdrFcShort( 0x18 ), /* Alpha Stack size/offset = 24 */
#endif
/* 168 */ 0x8,
                                /* FC_LONG */
                                0x0, /* 0 */

    /* Procedure CallSetComplete */

/* 170 */ 0x33,
                                /* FC_AUTO_HANDLE */
                                0x6c, /* Old Flags: object, Oi2 */
/* 172 */ NdrFcLong( 0x0 ), /* 0 */
/* 176 */ NdrFcShort( 0x8 ), /* 8 */
#ifndef ALPHA
/* 178 */ NdrFcShort( 0x8 ), /* x86, MIPS, PPC Stack size/offset = 8 */

```

```

#else
                                NdrFcShort( 0x10 ), /* Alpha Stack size/offset = 16 */
#endif
/* 180 */ NdrFcShort( 0x0 ), /* 0 */
/* 182 */ NdrFcShort( 0x8 ), /* 8 */
/* 184 */ 0x4, /* Oi2 Flags: has return, */
                                0x1, /* 1 */

/* Return value */

/* 186 */ NdrFcShort( 0x70 ), /* Flags: out, return, base type, */
#ifndef _ALPHA_
/* 188 */ NdrFcShort( 0x4 ), /* x86, MIPS, PPC Stack size/offset = 4 */
#else
                                NdrFcShort( 0x8 ), /* Alpha Stack size/offset = 8 */
#endif
/* 190 */ 0x8, /* FC_LONG */
                                0x0, /* 0 */

                                0x0

};

static const MIDL_TYPE_FORMAT_STRING __MIDL_TypeFormatString =
{
    0,
    {
/* 2 */
                                NdrFcShort( 0x0 ), /* 0 */
/* 4 */ 0x8, /* FC_LONG */
                                0x11, 0x8, /* FC_FP [simple_pointer] */
/* 6 */ /* FC_PAD */
                                0x5c,
/* 8 */ 0x11, 0x14, /* FC_FP [allocated_on_stack]
[pointer_deref] */
/* 8 */ NdrFcShort( 0x2 ), /* Offset= 2 (10) */
/* 10 */
                                0x13, 0x0, /* FC_OP */
/* 12 */ NdrFcShort( 0x2 ), /* Offset= 2 (14) */
/* 14 */
                                0x1b, /* FC_CARRAY */
                                0x0, /* 0 */
/* 16 */ NdrFcShort( 0x1 ), /* 1 */
/* 18 */ 0x2B, /* Corr desc: parameter, FC_LONG */
                                0x54, /* FC_DEREFERENCE */
#ifndef _ALPHA_
/* 20 */ NdrFcShort( 0x4 ), /* x86, MIPS, PPC Stack size/offset = 4 */
#else
                                NdrFcShort( 0x8 ), /* Alpha Stack size/offset = 8 */
#endif
/* 22 */ 0x2, /* FC_CHAR */
                                0x5b, /* FC_END */
/* 24 */
                                0x11, 0x14, /* FC_FP [allocated_on_stack]
[pointer_deref] */
/* 26 */ NdrFcShort( 0x2 ), /* Offset= 2 (28) */
/* 28 */
                                0x12, 0x0, /* FC_UP */
/* 30 */ NdrFcShort( 0xffffffff0 ), /* Offset= -16 (14) */

                                0x0

};

```

```

const CInterfaceProxyVtbl * _tpcc_com_ps_ProxyVtblList[] =
{
    ( CInterfaceProxyVtbl *) &ITPCCProxyVtbl,
    0
};

const CInterfaceStubVtbl * _tpcc_com_ps_StubVtblList[] =
{
    ( CInterfaceStubVtbl *) &ITPCCStubVtbl,
    0
};

PCInterfaceName const _tpcc_com_ps_InterfaceNamesList[] =
{
    "ITPCC",
    0
};

#define _tpcc_com_ps_CHECK_IID(n) IID_GENERIC_CHECK_IID( _tpcc_com_ps, pIID,
n)

int __stdcall _tpcc_com_ps_IID_Lookup( const IID * pIID, int * pIndex )
{
    if(! _tpcc_com_ps_CHECK_IID(0))
    {
        *pIndex = 0;
        return 1;
    }

    return 0;
}

const ExtendedProxyFileInfo tpcc_com_ps_ProxyFileInfo =
{
    (PCInterfaceProxyVtblList *) &_tpcc_com_ps_ProxyVtblList,
    (PCInterfaceStubVtblList *) &_tpcc_com_ps_StubVtblList,
    (const PCInterfaceName *) &_tpcc_com_ps_InterfaceNamesList,
    0, // no delegation
    &_tpcc_com_ps_IID_Lookup,
    1,
    2,
    0, /* table of [async_uuid] interfaces */
    0, /* Filler1 */
    0, /* Filler2 */
    0 /* Filler3 */
};

#endif /* !defined(_M_IA64) && !defined(_M_AXP64) */

#pragma warning( disable: 4049 ) /* more than 64k source lines */

/* this ALWAYS GENERATED file contains the proxy stub code */

/* File created by MIDL compiler version 5.03.0280 */
/* at Wed Feb 09 23:57:55 2000
*/
/* Compiler settings for .\src\tpcc_com_ps.idl:

```

```

Oicf (OptLev=i2), Wl, Zp8, env=Win64 (32b run,appending), ms_ext, c_ext, robust
error checks: allocation ref bounds_check enum stub_data
VC __declspec() decoration level:
    __declspec(uuid()), __declspec(selectany), __declspec(novtable)
    DECLSPEC_UUID(), MIDL_INTERFACE()
*/
/**@MIDL_FILE_HEADING( )

#if defined(_M_IA64) || defined(_M_AXP64)
#define USE_STUBLESS_PROXY

/* verify that the <rpcproxy.h> version is high enough to compile this file*/
#ifndef __REDQ_RPCPROXY_H_VERSION__
#define __REQUIRED_RPCPROXY_H_VERSION__ 475
#endif

#include "rpcproxy.h"
#ifndef __RPCPROXY_H_VERSION__
#error this stub requires an updated version of <rpcproxy.h>
#endif // __RPCPROXY_H_VERSION__

#include "tpcc_com_ps.h"

#define TYPE_FORMAT_STRING_SIZE 35
#define PROC_FORMAT_STRING_SIZE 253
#define TRANSMIT_AS_TABLE_SIZE 0
#define WIRE_MARSHAL_TABLE_SIZE 0

typedef struct _MIDL_TYPE_FORMAT_STRING
{
    short Pad;
    unsigned char Format[ TYPE_FORMAT_STRING_SIZE ];
} MIDL_TYPE_FORMAT_STRING;

typedef struct _MIDL_PROC_FORMAT_STRING
{
    short Pad;
    unsigned char Format[ PROC_FORMAT_STRING_SIZE ];
} MIDL_PROC_FORMAT_STRING;

extern const MIDL_TYPE_FORMAT_STRING __MIDL_TypeFormatString;
extern const MIDL_PROC_FORMAT_STRING __MIDL_ProcFormatString;

/* Object interface: IUnknown, ver. 0.0,
GUID={0x00000000, 0x0000, 0x0000, {0xc0, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x46}} */

/* Object interface: ITPCC, ver. 0.0,
GUID={0xFEE6AA2, 0x84B1, 0x11d2, {0xBA, 0x47, 0x00, 0xc0, 0x4F, 0xBF, 0xE0, 0x8B}} */

extern const MIDL_STUB_DESC Object_StubDesc;

extern const MIDL_SERVER_INFO ITPCC_ServerInfo;

#pragma code_seg(".orpc")
static const unsigned short ITPCC_FormatStringOffsetTable[] =

```

```

{
    0,
    44,
    88,
    132,
    176,
    220
};

static const MIDL_SERVER_INFO ITPCC_ServerInfo =
{
    &Object_StubDesc,
    0,
    __MIDL_ProcFormatString.Format,
    &ITPCC_FormatStringOffsetTable[-3],
    0,
    0,
    0,
    0
};

static const MIDL_STUBLESS_PROXY_INFO ITPCC_ProxyInfo =
{
    &Object_StubDesc,
    __MIDL_ProcFormatString.Format,
    &ITPCC_FormatStringOffsetTable[-3],
    0,
    0,
    0
};

CINTERFACE_PROXY_VTABLE(9) _ITPCCProxyVtbl =
{
    &ITPCC_ProxyInfo,
    &IID_ITPCC,
    IUnknown_QueryInterface_Proxy,
    IUnknown_AddRef_Proxy,
    IUnknown_Release_Proxy ,
    (void *)-1 /* ITPCC::NewOrder */ ,
    (void *)-1 /* ITPCC::Payment */ ,
    (void *)-1 /* ITPCC::Delivery */ ,
    (void *)-1 /* ITPCC::StockLevel */ ,
    (void *)-1 /* ITPCC::OrderStatus */ ,
    (void *)-1 /* ITPCC::CallSetComplete */
};

const CInterfaceStubVtbl _ITPCCStubVtbl =
{
    &IID_ITPCC,
    &ITPCC_ServerInfo,
    9,
    0, /* pure interpreted */
    CStdStubBuffer_METHODS
};

static const MIDL_STUB_DESC Object_StubDesc =
{
    0,
    NdrOleAllocate,
    NdrOleFree,
    0,
    0,

```

```

0,
0,
0,
0,
_MIDL_TypeFormatString.Format,
1, /* -error bounds_check flag */
0x50002, /* Ndr library version */
0,
0x5030118, /* MIDL Version 5.3.280 */
0,
0,
0, /* notify & notify_flag routine table */
0x1, /* MIDL flag */
0, /* Reserved3 */
0, /* Reserved4 */
0 /* Reserved5 */
};

#pragma data_seg(".rdata")

#if !defined(__RPC_WIN64__)
#error Invalid build platform for this stub.
#endif

static const MIDL_PROC_FORMAT_STRING __MIDL_ProcFormatString =
{
    0,
    {
        /* Procedure NewOrder */

                                0x33,          /* FC_AUTO_HANDLE */
                                0x6c,          /* Old Flags: object, Oi2 */

/* 2 */ NdrFcLong( 0x0 ), /* 0 */
/* 6 */ NdrFcShort( 0x3 ), /* 3 */
/* 8 */ NdrFcShort( 0x20 ), /* ia64, axp64 Stack size/offset = 32 */
/* 10 */ NdrFcShort( 0x8 ), /* 8 */
/* 12 */ NdrFcShort( 0x10 ), /* 16 */
/* 14 */ 0x47, /* Oi2 Flags: srv must size, clt must size, has
return, has ext, */

                                0x3,          /* 3 */
/* 16 */ 0xa, /* 10 */
                                0x7,          /* Ext Flags: new corr desc, clt
corr check, srv corr check, */

/* 18 */ NdrFcShort( 0x1 ), /* 1 */
/* 20 */ NdrFcShort( 0x1 ), /* 1 */
/* 22 */ NdrFcShort( 0x0 ), /* 0 */
/* 24 */ NdrFcShort( 0x0 ), /* 0 */

        /* Parameter iSize */

/* 26 */ NdrFcShort( 0x158 ), /* Flags: in, out, base type, simple ref,
*/
/* 28 */ NdrFcShort( 0x8 ), /* ia64, axp64 Stack size/offset = 8 */
/* 30 */ 0x8, /* FC_LONG */
                                0x0,          /* 0 */

        /* Parameter txn */

/* 32 */ NdrFcShort( 0x201b ), /* Flags: must size, must free, in, out,
srv alloc size=8 */
/* 34 */ NdrFcShort( 0x10 ), /* ia64, axp64 Stack size/offset = 16 */
/* 36 */ NdrFcShort( 0x6 ), /* Type Offset=6 */

```

```

/* Return value */

/* 38 */ NdrFcShort( 0x70 ), /* Flags: out, return, base type, */
/* 40 */ NdrFcShort( 0x18 ), /* ia64, axp64 Stack size/offset = 24 */
/* 42 */ 0x8, /* FC_LONG */
                                0x0,          /* 0 */

        /* Procedure Payment */

/* 44 */ 0x33, /* FC_AUTO_HANDLE */
                                0x6c,          /* Old Flags: object, Oi2 */

/* 46 */ NdrFcLong( 0x0 ), /* 0 */
/* 50 */ NdrFcShort( 0x4 ), /* 4 */
/* 52 */ NdrFcShort( 0x20 ), /* ia64, axp64 Stack size/offset = 32 */
/* 54 */ NdrFcShort( 0x8 ), /* 8 */
/* 56 */ NdrFcShort( 0x10 ), /* 16 */
/* 58 */ 0x47, /* Oi2 Flags: srv must size, clt must size, has
return, has ext, */

                                0x3,          /* 3 */
/* 60 */ 0xa, /* 10 */
                                0x7,          /* Ext Flags: new corr desc, clt
corr check, srv corr check, */

/* 62 */ NdrFcShort( 0x1 ), /* 1 */
/* 64 */ NdrFcShort( 0x1 ), /* 1 */
/* 66 */ NdrFcShort( 0x0 ), /* 0 */
/* 68 */ NdrFcShort( 0x0 ), /* 0 */

        /* Parameter iSize */

/* 70 */ NdrFcShort( 0x158 ), /* Flags: in, out, base type, simple ref,
*/
/* 72 */ NdrFcShort( 0x8 ), /* ia64, axp64 Stack size/offset = 8 */
/* 74 */ 0x8, /* FC_LONG */
                                0x0,          /* 0 */

        /* Parameter txn */

/* 76 */ NdrFcShort( 0x201b ), /* Flags: must size, must free, in, out,
srv alloc size=8 */
/* 78 */ NdrFcShort( 0x10 ), /* ia64, axp64 Stack size/offset = 16 */
/* 80 */ NdrFcShort( 0x6 ), /* Type Offset=6 */

        /* Return value */

/* 82 */ NdrFcShort( 0x70 ), /* Flags: out, return, base type, */
/* 84 */ NdrFcShort( 0x18 ), /* ia64, axp64 Stack size/offset = 24 */
/* 86 */ 0x8, /* FC_LONG */
                                0x0,          /* 0 */

        /* Procedure Delivery */

/* 88 */ 0x33, /* FC_AUTO_HANDLE */
                                0x6c,          /* Old Flags: object, Oi2 */

/* 90 */ NdrFcLong( 0x0 ), /* 0 */
/* 94 */ NdrFcShort( 0x5 ), /* 5 */
/* 96 */ NdrFcShort( 0x20 ), /* ia64, axp64 Stack size/offset = 32 */
/* 98 */ NdrFcShort( 0x8 ), /* 8 */
/* 100 */ NdrFcShort( 0x8 ), /* 8 */
/* 102 */ 0x46, /* Oi2 Flags: clt must size, has return, has ext, */

                                0x3,          /* 3 */
/* 104 */ 0xa, /* 10 */
                                0x5,          /* Ext Flags: new corr desc, srv
corr check, */

```

```

/* 106 */ NdrFcShort( 0x0 ), /* 0 */
/* 108 */ NdrFcShort( 0x1 ), /* 1 */
/* 110 */ NdrFcShort( 0x0 ), /* 0 */
/* 112 */ NdrFcShort( 0x0 ), /* 0 */

/* Parameter iSize */

/* 114 */ NdrFcShort( 0x148 ), /* Flags: in, base type, simple ref, */
/* 116 */ NdrFcShort( 0x8 ), /* ia64, axp64 Stack size/offset = 8 */
/* 118 */ 0x8, /* FC_LONG */
/* 0x0, /* 0 */

/* Parameter txn */

/* 120 */ NdrFcShort( 0x200b ), /* Flags: must size, must free, in, srv
alloc size=8 */
/* 122 */ NdrFcShort( 0x10 ), /* ia64, axp64 Stack size/offset = 16 */
/* 124 */ NdrFcShort( 0x1a ), /* Type Offset=26 */

/* Return value */

/* 126 */ NdrFcShort( 0x70 ), /* Flags: out, return, base type, */
/* 128 */ NdrFcShort( 0x18 ), /* ia64, axp64 Stack size/offset = 24 */
/* 130 */ 0x8, /* FC_LONG */
/* 0x0, /* 0 */

/* Procedure StockLevel */

/* 132 */ 0x33, /* FC_AUTO_HANDLE */
/* 0x6c, /* Old Flags: object, Oi2 */
/* 134 */ NdrFcLong( 0x0 ), /* 0 */
/* 138 */ NdrFcShort( 0x6 ), /* 6 */
/* 140 */ NdrFcShort( 0x20 ), /* ia64, axp64 Stack size/offset = 32 */
/* 142 */ NdrFcShort( 0x8 ), /* 8 */
/* 144 */ NdrFcShort( 0x10 ), /* 16 */
/* 146 */ 0x47, /* Oi2 Flags: srv must size, clt must size, has
return, has ext, */
/* 0x3, /* 3 */
/* 148 */ 0xa, /* 10 */
/* 0x7, /* Ext Flags: new corr desc, clt
corr check, srv corr check, */
/* 150 */ NdrFcShort( 0x1 ), /* 1 */
/* 152 */ NdrFcShort( 0x1 ), /* 1 */
/* 154 */ NdrFcShort( 0x0 ), /* 0 */
/* 156 */ NdrFcShort( 0x0 ), /* 0 */

/* Parameter iSize */

/* 158 */ NdrFcShort( 0x158 ), /* Flags: in, out, base type, simple ref,
*/
/* 160 */ NdrFcShort( 0x8 ), /* ia64, axp64 Stack size/offset = 8 */
/* 162 */ 0x8, /* FC_LONG */
/* 0x0, /* 0 */

/* Parameter txn */

/* 164 */ NdrFcShort( 0x201b ), /* Flags: must size, must free, in, out,
srv alloc size=8 */
/* 166 */ NdrFcShort( 0x10 ), /* ia64, axp64 Stack size/offset = 16 */
/* 168 */ NdrFcShort( 0x6 ), /* Type Offset=6 */

/* Return value */

```

```

/* 170 */ NdrFcShort( 0x70 ), /* Flags: out, return, base type, */
/* 172 */ NdrFcShort( 0x18 ), /* ia64, axp64 Stack size/offset = 24 */
/* 174 */ 0x8, /* FC_LONG */
/* 0x0, /* 0 */

/* Procedure OrderStatus */

/* 176 */ 0x33, /* FC_AUTO_HANDLE */
/* 0x6c, /* Old Flags: object, Oi2 */
/* 178 */ NdrFcLong( 0x0 ), /* 0 */
/* 182 */ NdrFcShort( 0x7 ), /* 7 */
/* 184 */ NdrFcShort( 0x20 ), /* ia64, axp64 Stack size/offset = 32 */
/* 186 */ NdrFcShort( 0x8 ), /* 8 */
/* 188 */ NdrFcShort( 0x10 ), /* 16 */
/* 190 */ 0x47, /* Oi2 Flags: srv must size, clt must size, has
return, has ext, */
/* 0x3, /* 3 */
/* 192 */ 0xa, /* 10 */
/* 0x7, /* Ext Flags: new corr desc, clt
corr check, srv corr check, */
/* 194 */ NdrFcShort( 0x1 ), /* 1 */
/* 196 */ NdrFcShort( 0x1 ), /* 1 */
/* 198 */ NdrFcShort( 0x0 ), /* 0 */
/* 200 */ NdrFcShort( 0x0 ), /* 0 */

/* Parameter iSize */

/* 202 */ NdrFcShort( 0x158 ), /* Flags: in, out, base type, simple ref,
*/
/* 204 */ NdrFcShort( 0x8 ), /* ia64, axp64 Stack size/offset = 8 */
/* 206 */ 0x8, /* FC_LONG */
/* 0x0, /* 0 */

/* Parameter txn */

/* 208 */ NdrFcShort( 0x201b ), /* Flags: must size, must free, in, out,
srv alloc size=8 */
/* 210 */ NdrFcShort( 0x10 ), /* ia64, axp64 Stack size/offset = 16 */
/* 212 */ NdrFcShort( 0x6 ), /* Type Offset=6 */

/* Return value */

/* 214 */ NdrFcShort( 0x70 ), /* Flags: out, return, base type, */
/* 216 */ NdrFcShort( 0x18 ), /* ia64, axp64 Stack size/offset = 24 */
/* 218 */ 0x8, /* FC_LONG */
/* 0x0, /* 0 */

/* Procedure CallSetComplete */

/* 220 */ 0x33, /* FC_AUTO_HANDLE */
/* 0x6c, /* Old Flags: object, Oi2 */
/* 222 */ NdrFcLong( 0x0 ), /* 0 */
/* 226 */ NdrFcShort( 0x8 ), /* 8 */
/* 228 */ NdrFcShort( 0x10 ), /* ia64, axp64 Stack size/offset = 16 */
/* 230 */ NdrFcShort( 0x0 ), /* 0 */
/* 232 */ NdrFcShort( 0x8 ), /* 8 */
/* 234 */ 0x44, /* Oi2 Flags: has return, has ext, */
/* 0x1, /* 1 */
/* 236 */ 0xa, /* 10 */
/* 0x1, /* Ext Flags: new corr desc, */
/* 238 */ NdrFcShort( 0x0 ), /* 0 */
/* 240 */ NdrFcShort( 0x0 ), /* 0 */
/* 242 */ NdrFcShort( 0x0 ), /* 0 */

```



```

/* 244 */ NdrFcShort( 0x0 ), /* 0 */
        /* Return value */

/* 246 */ NdrFcShort( 0x70 ), /* Flags: out, return, base type, */
/* 248 */ NdrFcShort( 0x8 ), /* ia64, axp64 Stack size/offset = 8 */
/* 250 */ 0x8, /* FC_LONG */
        0x0, /* 0 */
        0x0
    }
};

static const MIDL_TYPE_FORMAT_STRING __MIDL_TypeFormatString =
{
    0,
    {
        /* 2 */
        NdrFcShort( 0x0 ), /* 0 */
        /* 4 */ 0x8, /* FC_LONG */
        /* 6 */
        0x11, 0x14, /* FC_RP [allocated_on_stack]
[pointer_deref] */
        /* 8 */ NdrFcShort( 0x2 ), /* Offset= 2 (10) */
        /* 10 */
        /* 12 */ NdrFcShort( 0x2 ), /* Offset= 2 (14) */
        /* 14 */
        0x1b, /* FC_CARRAY */
        0x0, /* 0 */
        /* 16 */ NdrFcShort( 0x1 ), /* 1 */
        /* 18 */ 0x28, /* Corr desc: parameter, FC_LONG */
        0x54, /* FC_DEREFERENCE */
        /* 20 */ NdrFcShort( 0x8 ), /* ia64, axp64 Stack size/offset = 8 */
        /* 22 */ NdrFcShort( 0x1 ), /* Corr flags: early, */
        /* 24 */ 0x2, /* FC_CHAR */
        0x5b, /* FC_END */
        /* 26 */
        0x11, 0x14, /* FC_RP [allocated_on_stack]
[pointer_deref] */
        /* 28 */ NdrFcShort( 0x2 ), /* Offset= 2 (30) */
        /* 30 */
        0x12, 0x0, /* FC_UP */
        /* 32 */ NdrFcShort( 0xfffffee ), /* Offset= -18 (14) */
        0x0
    }
};

const CInterfaceProxyVtbl * _tpcc_com_ps_ProxyVtblList[] =
{
    ( CInterfaceProxyVtbl *) &_ITPCCProxyVtbl,
    0
};

const CInterfaceStubVtbl * _tpcc_com_ps_StubVtblList[] =
{
    ( CInterfaceStubVtbl *) &_ITPCCStubVtbl,
    0
};

```

```

PCInterfaceName const _tpcc_com_ps_InterfaceNamesList[] =
{
    "ITPCC",
    0
};

#define _tpcc_com_ps_CHECK_IID(n) IID_GENERIC_CHECK_IID( _tpcc_com_ps, pIID,
n)

int __stdcall _tpcc_com_ps_IID_Lookup( const IID * pIID, int * pIndex )
{
    if(!_tpcc_com_ps_CHECK_IID(0))
    {
        *pIndex = 0;
        return 1;
    }

    return 0;
}

const ExtendedProxyFileInfo tpcc_com_ps_ProxyFileInfo =
{
    (PCInterfaceProxyVtblList *) &_tpcc_com_ps_ProxyVtblList,
    (PCInterfaceStubVtblList *) &_tpcc_com_ps_StubVtblList,
    (const PCInterfaceName *) &_tpcc_com_ps_InterfaceNamesList,
    0, // no delegation
    &_tpcc_com_ps_IID_Lookup,
    1,
    2,
    0, /* table of [async_uuid] interfaces */
    0, /* Filler1 */
    0, /* Filler2 */
    0 /* Filler3 */
};

#endif /* defined(_M_IA64) || defined(_M_AXP64)*/

```

tpcc_com_resource.h

```

//{{NO_DEPENDENCIES}}
// Microsoft Developer Studio generated include file.
// Used by tpcc_com_all.rc
//
#define IDS_PROJNAME                100
#define IDR_TPCC                    101
#define IDR_NEWORDER                102
#define IDR_ORDERSTATUS             103
#define IDR_PAYMENT                 104
#define IDR_STOCKLEVEL              105

// Next default values for new objects
//
#ifdef APSTUDIO_INVOKED
#ifdef APSTUDIO_READONLY_SYMBOLS
#define _APS_NEXT_RESOURCE_VALUE    202
#define _APS_NEXT_COMMAND_VALUE    32768
#define _APS_NEXT_CONTROL_VALUE    201
#define _APS_NEXT_SYMED_VALUE      106

```

```
#endif
#endif
```

tpcc_com_sl.rgs

```
HKCR
{
    TPCC.StockLevel.1 = s 'StockLevel Class'
    {
        CLSID = s '{2668369E-A50D-11D2-BA4E-00C04FBFE08B}'
    }
    TPCC.StockLevel = s 'StockLevel Class'
    {
        CurVer = s 'TPCC.StockLevel.1'
    }
    NoRemove CLSID
    {
        ForceRemove {2668369E-A50D-11D2-BA4E-00C04FBFE08B} = s
'StockLevel Class'
        {
            ProgID = s 'TPCC.StockLevel.1'
            VersionIndependentProgID = s 'TPCC.StockLevel'
            InprocServer32 = s '%MODULE%'
            {
                val ThreadingModel = s 'Both'
            }
        }
    }
}
```

tpcc_dblib.cpp

```
/* FILE: TPCC_DBLIB.CPP
 * Microsoft TPC-C Kit Ver. 4.20.000
 * Copyright Microsoft, 1999
 * All Rights Reserved
 *
 * Version 4.10.000 audited by Richard Gimarc,
Performance Metrics, 3/17/99
 *
 * PURPOSE: Implements dblib calls for TPC-C txns.
 * Contact: Charles Levine (clevine@microsoft.com)
 *
 * Change history:
 * 4.20.000 - updated rev number to match kit
 * 4.10.001 - not deleting error class in catch handler on deadlock
retry;
 * not a functional bug, but a memory leak
 * - had to tweak some declarations to compile
with latest SDK; no functional change
*/

#include <windows.h>
#include <stdio.h>
#include <assert.h>

#define DBNTWIN32
#include <sqlfront.h>
#include <sqldb.h>

#ifdef ICECAP
```

```
#include <icapexp.h>
#endif

// need to declare functions for export
#defineDllDecl __declspec( dllexport )

#include "..\..\common\src\error.h"
#include "..\..\common\src\trans.h"
#include "..\..\common\src\txn_base.h"
#include "tpcc_dblib.h"

#define DEFCLPACKSIZE 4096

// version string; must match return value from tpcc_version stored proc
const char sVersion[] = "4.10.000";

const iMaxRetries = 10; // how many retries on
deadlock
static long iConnectionCount = 0; // number of current dblib connections

const int iErrOleDbProvider = 7312;
const char sErrTimeoutExpired[] = "Timeout expired";

BOOL APIENTRY DllMain(HMODULE hModule, DWORD ul_reason_for_call, LPVOID lpReserved)
{
    switch( ul_reason_for_call )
    {
        case DLL_PROCESS_ATTACH:
            DisableThreadLibraryCalls(hModule);
            dbinit(); // initialize dblib
            break;

        case DLL_PROCESS_DETACH:
            dbexit(); // close all dblib
            structures/connections
            break;

        default:
            /* nothing */;
    }
    return TRUE;
}

int err_handler(DBPROCESS *dbproc, int severity, int dberr, int oserr, LPCSTR
dberrstr, LPCSTR oserrstr)
{
    CTPCC_DBLIB *pConn;

    assert(dbproc != NULL);
    pConn = (CTPCC_DBLIB*)dbgetuserdata(dbproc);

    if (pConn != NULL)
    {
        pConn->SetDbLibError( severity, dberr, oserr, dberrstr, oserrstr
);
    }
    return INT_CANCEL;
}

/* FUNCTION: int msg_handler(DBPROCESS *dbproc, DBINT msgno, int msgstate, int
severity, char *msgtext)
 *
```

```

* PURPOSE:      This function handles DB-Library SQL Server error messages
*
* ARGUMENTS:    DBPROCESS      *dbproc      DBPROCESS id
pointer
*              message number      DBINT      msgno
*
*              msgstate      message state      int
*              severity      message severity      int
*              printable message description      char      *msgtext
*
* RETURNS:      int      INT_CONTINUE
continue if error is SQLETIME else INT_CANCEL action
*
*              INT_CANCEL      cancel operation
*
* COMMENTS:     This function also sets the dead lock dbproc variable if
necessary.
*/

// typedef INT (SQLAPI *DBMSGHANDLE_PROC) (DBPROCESS, DBINT, INT, INT, LPCSTR,
LPCSTR, LPCSTR, DBUSMALLINT);

int msg_handler(DBPROCESS *dbproc, DBINT msgno, int msgstate, int severity,
LPCSTR msgtext, LPCSTR srvname, LPCSTR
procname, DBUSMALLINT line)
{
    CTPCC_DBLIB      *pConn;

    assert(dbproc != NULL);
    pConn = (CTPCC_DBLIB*)dbgetuserdata(dbproc);

    if (pConn != NULL)
    {
        pConn->SetSqlError( msgno, msgstate, severity, msgtext );
    }

    return 0;
}

/* FUNCTION: void UtilStrCpy(char * pDest, char * pSrc, int n)
*
* PURPOSE:      This function copies n characters from string pSrc to pDst and
places a
*              null character at the end of the destination string.
*
* ARGUMENTS:    char      *pDest      destination string
pointer
*              char      *pSrc
*              source string pointer
*              int      n
*              number of characters to copy
*
* RETURNS:      None
*
* COMMENTS:     Unlike strncpy this function ensures that the result string is
always null terminated.
*/

```

```

inline static void UtilStrCpy(char * pDest, const BYTE * pSrc, int n)
{
    strncpy(pDest, (char *)pSrc, n);
    pDest[n] = '\0';

    return;
}

/* FUNCTION: CTPCC_DBLIB_ERR::ErrorText
*
*/
char* CTPCC_DBLIB_ERR::ErrorText(void)
{
    int i;

    static SERRORMSG errorMsgs[] =
    {
        { ERR_WRONG_SP_VERSION,          "Wrong version of stored
procs on database server" },
        { ERR_INVALID_CUST,              "Invalid Customer
id,name." },
        { ERR_NO_SUCH_ORDER,             "No orders found for
customer." },
        { ERR_RETRIED_TRANS,             "Retries before
transaction succeeded." },
        { 0,                              },
    };

    static char szNotFound[] = "Unknown error number.";

    for(i=0; errorMsgs[i].szMsg[0]; i++)
    {
        if ( m_errno == errorMsgs[i].iError )
            break;
    }
    if ( !errorMsgs[i].szMsg[0] )
        return szNotFound;
    else
        return errorMsgs[i].szMsg;
}

// wrapper routine for class constructor
__declspec(dllexport) CTPCC_DBLIB* CTPCC_DBLIB_new(
    LPCSTR szServer,          // name of SQL server
    LPCSTR szUser,           // user name for login
    LPCSTR szPassword,       // password for login
    LPCSTR szHost,           // workstation name; shows up in
sp_who; max 30 chars, only first 10 kept by SQL Server
    LPCSTR szDatabase )     // name of database to use
{
    return new CTPCC_DBLIB( szServer, szUser, szPassword, szHost, szDatabase
);
}

CTPCC_DBLIB::CTPCC_DBLIB (
    LPCSTR szServer,          // name of SQL server
    LPCSTR szUser,           // user name for login
    LPCSTR szPassword,       // password for login

```

```

        LPCSTR szHost,                // workstation name; shows up in
sp_who; max 30 chars, only first 10 kept by SQL Server
        LPCSTR szDatabase )         // name of database to use
{
    LOGINREC *login;
    const BYTE *pData;

    // initialization
    m_dbproc = NULL;
    m_DbLibErr = (CDBLIBERR*)NULL;
    m_SqlErr = (CSQLERR*)NULL;

    m_MaxRetries = 10;                // how many retries on deadlock

    // increase max number of connections if getting close
    if ( dbgetmaxprocs() < (iConnectionCount+5) )
    {
        if ( dbsetmaxprocs(iConnectionCount+10) == FAIL )
            ThrowError(CDBLIBERR::eDbSetMaxProcs);
    }

    // allocate a login structure
    login = dblogin();
    if (login == NULL)
        ThrowError(CDBLIBERR::eLogin);
    InterlockedIncrement( &iConnectionCount );

    // register error and message handler functions
    if (dbprocerrhandle(login, err_handler) == NULL)
        ThrowError(CDBLIBERR::eDbProcHandler);

    if (dbprocmsghandle(login, msg_handler) == NULL)
        ThrowError(CDBLIBERR::eDbProcHandler);

    DBSETLUSER(login, szUser);
    DBSETLPWD(login, szPassword);
    DBSETLHOST(login, szHost);
    DBSETLPACKET(login, (unsigned short)DEFCLPACKSIZE);
    DBSETLVERSION(login, DBVER60);    // use dblink ver 6.0
client behavior

    // set time to wait for login
    if (dbsetlogintime(60) == FAIL)
        ThrowError(CDBLIBERR::eDbSet);

    // set time to wait for statement execution
    if (dbsettime(180) == FAIL)
        ThrowError(CDBLIBERR::eDbSet);

    m_dbproc = dbopen(login, szServer);

    // deallocate login structure before checking for success
    dbfreelogin( login );

    if (m_dbproc == NULL)
        ThrowError(CDBLIBERR::eDbOpen);

    // save address of class instance so that the message and error handler
    // can get to data.
    dbsetuserdata(m_dbproc, (LPVOID)this);

    // Use the the right database

```

```

        if (dbuse(m_dbproc, szDatabase) == FAIL)
            ThrowError(CDBLIBERR::eDbUse);

    // set connection properties to match those used by ODBC
    dbcmd(m_dbproc, "set ANSI_DEFAULTS ON ");
    dbcmd(m_dbproc, "set CURSOR_CLOSE_ON_COMMIT OFF ");
    dbcmd(m_dbproc, "set IMPLICIT_TRANSACTIONS OFF ");
    dbcmd(m_dbproc, "set NOCOUNT ON ");                // do not
return row counts
    dbcmd(m_dbproc, "set XACT_ABORT ON ");                // rollback transaction
on abort

    // for coyote
    dbcmd(m_dbproc, "set ansi_warnings on ");            //
    dbcmd(m_dbproc, "set ansi_nulls on ");                //

    if (dbsqlexec(m_dbproc) == FAIL)
        ThrowError(CDBLIBERR::eDbSqlExec);

    // This value must match the number of commands above.
    DiscardNextResults(2);
    DiscardNextResults(5);                // coyote

    // verify that version of stored procs on server is correct
    dbrpcinit(m_dbproc, "tpcc_version", 0);

    if (dbrpcexec(m_dbproc) == FAIL)
        ThrowError(CDBLIBERR::eDbRpcExec);

    if (dbresults(m_dbproc) != SUCCEED)
        ThrowError(CDBLIBERR::eDbResults);

    if (dbnextrow(m_dbproc) != REG_ROW)
        ThrowError(CDBLIBERR::eDbNextRow);

    char szSrvVersion[16];
    pData=dbdata(m_dbproc, 1);
    if (pData)
        UtilStrCpy(szSrvVersion, pData, dbdatlen(m_dbproc, 1));
    else
        szSrvVersion[0]=0;
    if (strcmp(szSrvVersion,sVersion))
        throw new CTPCC_DBLIB_ERR( CTPCC_DBLIB_ERR::ERR_WRONG_SP_VERSION
);

    DiscardNextRows(0);
    DiscardNextResults(0);
}

CTPCC_DBLIB::~CTPCC_DBLIB( void )
{
    // close db connection and deallocate resources
    dbclose(m_dbproc);
    InterlockedDecrement( &iConnectionCount );
    if (m_DbLibErr != NULL)
        delete m_DbLibErr;
    if (m_SqlErr != NULL)
        delete m_SqlErr;
}

```

```

void CTPCC_DBLIB::SetDbLibError(int severity, int dberr, int oserr, LPCSTR dberrstr,
LPCSTR oserrstr)
{
    delete m_DbLibErr;
    m_DbLibErr = new CDBLIBERR(CDBLIBERR::eUnknown, severity, dberr, oserr);

    if (dberrstr != NULL)
    {
        m_DbLibErr->m_dberrstr = new char[ strlen(dberrstr)+1 ];
        strcpy( m_DbLibErr->m_dberrstr, dberrstr );
    }

    if (oserrstr != NULL)
    {
        m_DbLibErr->m_oserrstr = new char[ strlen(oserrstr)+1 ];
        strcpy( m_DbLibErr->m_oserrstr, oserrstr );
    }
}

void CTPCC_DBLIB::SetSqlError( int /*DBINT*/ msgno, int msgstate, int severity,
LPCSTR msgtext )
{
    if (m_SqlErr == NULL)
        m_SqlErr = new CSQLERR();

    m_SqlErr->m_msgno = msgno;
    m_SqlErr->m_msgstate = msgstate;
    m_SqlErr->m_severity = severity;

    delete [] m_SqlErr->m_msgtext;
    if (msgtext != NULL)
    {
        m_SqlErr->m_msgtext = new char[ strlen(msgtext)+1 ];
        strcpy( m_SqlErr->m_msgtext, msgtext );
    }
}

void CTPCC_DBLIB::ThrowError( CDBLIBERR::ACTION eAction )
{
    // discard anything still in return buffer
    DiscardNextRows(-1);
    DiscardNextResults(-1);

    // check for SQL Server error first; if yes, throw it and ignore any
DBLib error.
    if (m_SqlErr != NULL)
    {
        CSQLERR *pSqlErr;
        pSqlErr = m_SqlErr;
        m_SqlErr = NULL; // clear our pointer to instance; catch
handler will delete
        throw pSqlErr;
    }

    CDBLIBERR *pDbLibErr;
    if (m_DbLibErr == NULL)
error was returned // this case isn't expected to happen, since it means that an
// but the error handlers were not called.
        pDbLibErr = new CDBLIBERR(eAction);
    else
    {

```

```

        pDbLibErr = m_DbLibErr;
        pDbLibErr->m_eAction = eAction;
        m_DbLibErr = NULL; // clear our pointer to instance;
catch handler will delete
    }
    throw pDbLibErr;
}

// Read and discard rows until no more. Throw an exception if number of rows read
doesn't
// match number of rows expected. The row count will be ignored if the expected
count value
// passed in is negative. A typical use of this routine is to verify that there are
no more
// rows to be read.
void CTPCC_DBLIB::DiscardNextRows(int iExpectedCount)
{
    int iRowsRead = 0;
    RETCODE rc;

    while (TRUE)
    {
        rc = dbnextrow(m_dbproc);
        if (rc == NO_MORE_ROWS)
            break;
        if (rc == FAIL)
        {
            if (iExpectedCount >= 0)
                ThrowError(CDBLIBERR::eDbNextRow);
            else
                break;
        }
        iRowsRead++;
    }

    if ((iExpectedCount >= 0) &&
        (iExpectedCount != iRowsRead))
        ThrowError(CDBLIBERR::eWrongRowCount);
}

// Read and discard results until no more. Throw an exception if number of result
sets read doesn't
// match number expected. The result set count will be ignored if the expected
count value
// passed in is negative. A typical use of this routine is to verify that there are
no more
// result sets to be read.
void CTPCC_DBLIB::DiscardNextResults(int iExpectedCount)
{
    int iResultsRead = 0;
    RETCODE rc;

    while (TRUE)
    {
        rc = dbresults(m_dbproc);
        if (rc == NO_MORE_RESULTS)
            break;
        if (rc == FAIL)
        {
            if (iExpectedCount >= 0)
                ThrowError(CDBLIBERR::eDbResults);
            else

```

```

                break;
            }

            DiscardNextRows(-1);
            iResultsRead++;
        }

        if ((iExpectedCount >= 0) &&
            (iExpectedCount != iResultsRead))
            ThrowError(CDBLIBERR::eWrongRowCount);
    }

void CTPCC_DBLIB::StockLevel()
{
    int                iTryCount = 0;
    const BYTE        *pData;

    ResetError();

    while (TRUE)
    {
        try
        {
            dbrpcinit(m_dbproc, "tpcc_stocklevel", 0);

            dbrpcparam(m_dbproc, NULL, 0, SQLINT2, -1, -1, (BYTE
*) &m_txn.StockLevel.w_id); // @w_id smallint
            dbrpcparam(m_dbproc, NULL, 0, SQLINT1, -1, -1, (BYTE
*) &m_txn.StockLevel.d_id); // @d_id tinyint
            dbrpcparam(m_dbproc, NULL, 0, SQLINT2, -1, -1, (BYTE
*) &m_txn.StockLevel.threshold); // @threshold smallint

            if (dbrpcexec(m_dbproc) == FAIL)
                ThrowError(CDBLIBERR::eDbRpcExec);

            if (dbresults(m_dbproc) != SUCCEED)
                ThrowError(CDBLIBERR::eDbResults);

            if (dbnextrow(m_dbproc) != REG_ROW)
                ThrowError(CDBLIBERR::eDbNextRow);

            if (pData=dbdata(m_dbproc, 1))
                m_txn.StockLevel.low_stock = *((long *)
pData);

            DiscardNextRows(0);
            DiscardNextResults(0);

            m_txn.StockLevel.exec_status_code = eOK;
            return;
        }
        catch (CSQLERR *e)
        {
            if ((e->m_msgno == 1205 ||
                (e->m_msgno == iErrOleDbProvider &&
                 strstr(e->m_msgtext, sErrTimeoutExpired) !=
NULL)) &&
                (++iTryCount <= iMaxRetries))
            {
                // hit deadlock; backoff for increasingly
                delete e;
                Sleep(10 * iTryCount);
            }
        }
    }
}

```

```

        }
        else
            throw;
    }
    // while (TRUE)
}

//if (iTryCount)
//    throw new CTPCC_DBLIB_ERR(CTPCC_DBLIB_ERR::ERR_RETRIED_TRANS,
iTryCount);
}

void CTPCC_DBLIB::NewOrder()
{
    int                i;
    DBINT              commit_flag;
    DBDATETIME         datetime;
    DBDATERECD         daterec;

    int                iTryCount = 0;
    const BYTE        *pData;

    ResetError();

    while (TRUE)
    {
        try
        {
            dbrpcinit(m_dbproc, "tpcc_neworder", 0);

            dbrpcparam(m_dbproc, NULL, 0, SQLINT2, -1, -1, (BYTE
*) &m_txn.NewOrder.w_id);
            dbrpcparam(m_dbproc, NULL, 0, SQLINT1, -1, -1, (BYTE
*) &m_txn.NewOrder.d_id);
            dbrpcparam(m_dbproc, NULL, 0, SQLINT4, -1, -1, (BYTE
*) &m_txn.NewOrder.c_id);
            dbrpcparam(m_dbproc, NULL, 0, SQLINT1, -1, -1, (BYTE
*) &m_txn.NewOrder.o_ol_cnt);

            // check whether any order lines are for a remote
warehouse
            m_txn.NewOrder.o_all_local = 1;
            for (i = 0; i < m_txn.NewOrder.o_ol_cnt; i++)
            {
                if (m_txn.NewOrder.OL[i].ol_supply_w_id !=
m_txn.NewOrder.w_id)
                {
                    m_txn.NewOrder.o_all_local = 0;
                    break;
                }
            }
            dbrpcparam(m_dbproc, NULL, 0, SQLINT1, -1, -1, (BYTE
*) &m_txn.NewOrder.o_all_local);

            for (i = 0; i < m_txn.NewOrder.o_ol_cnt; i++)
            {
                dbrpcparam(m_dbproc, NULL, 0, SQLINT4, -1, -
1, (BYTE *) &m_txn.NewOrder.OL[i].ol_i_id);
                dbrpcparam(m_dbproc, NULL, 0, SQLINT2, -1, -
1, (BYTE *) &m_txn.NewOrder.OL[i].ol_supply_w_id);
                dbrpcparam(m_dbproc, NULL, 0, SQLINT2, -1, -
1, (BYTE *) &m_txn.NewOrder.OL[i].ol_quantity);
            }
        }
    }
}

```

```

}
if (dbrpcexec(m_dbproc) == FAIL)
    ThrowError(CDBLIBERR::eDbRpcExec);

// Get order line results
m_txn.NewOrder.total_amount = 0;
for (i = 0; i < m_txn.NewOrder.o_ol_cnt; i++)
{
    if (dbresults(m_dbproc) != SUCCEED)
        ThrowError(CDBLIBERR::eDbResults);

    if (dbnumcols(m_dbproc) != 5)

        ThrowError(CDBLIBERR::eWrongNumCols);

    if (dbnextrow(m_dbproc) != REG_ROW)
        ThrowError(CDBLIBERR::eDbNextRow);

    if (pData=dbdata(m_dbproc, 1))

        UtilStrCpy(m_txn.NewOrder.OL[i].ol_i_name, pData, dbdatlen(m_dbproc, 1));
    if (pData=dbdata(m_dbproc, 2))
        m_txn.NewOrder.OL[i].ol_stock =
(* (DBSMALLINT *) pData);

    if (pData=dbdata(m_dbproc, 3))

        UtilStrCpy(m_txn.NewOrder.OL[i].ol_brand_generic, pData,
dbdatlen(m_dbproc, 3));

    if (pData=dbdata(m_dbproc, 4))
        dbconvert(m_dbproc, SQLNUMERIC,
SQLFLT8, (BYTE
*) & m_txn.NewOrder.OL[i].ol_i_price, 8);

    if (pData=dbdata(m_dbproc, 5))

        dbconvert(m_dbproc, SQLNUMERIC,
SQLFLT8, (BYTE
*) & m_txn.NewOrder.OL[i].ol_amount, 8);

    m_txn.NewOrder.total_amount =
m_txn.NewOrder.total_amount + m_txn.NewOrder.OL[i].ol_amount;

    DiscardNextRows(0);
}

// get remaining values for w_tax, d_tax, o_id,
c_last, c_discount, c_credit, o_entry_d, commit_flag
if (dbresults(m_dbproc) != SUCCEED)
    ThrowError(CDBLIBERR::eDbResults);

if (dbnextrow(m_dbproc) != REG_ROW)
    ThrowError(CDBLIBERR::eDbNextRow);

if (dbnumcols(m_dbproc) != 8)
    ThrowError(CDBLIBERR::eWrongNumCols);

if (pData=dbdata(m_dbproc, 1))

```

```

        dbconvert(m_dbproc, SQLNUMERIC,
(LPCBYTE)pData, dbdatlen(m_dbproc,1), SQLFLT8, (BYTE *) & m_txn.NewOrder.w_tax, 8);
    if (pData=dbdata(m_dbproc, 2))

        dbconvert(m_dbproc, SQLNUMERIC,
(LPCBYTE)pData, dbdatlen(m_dbproc,2), SQLFLT8, (BYTE *) & m_txn.NewOrder.d_tax, 8);
    if (pData=dbdata(m_dbproc, 3))
        m_txn.NewOrder.o_id = (* (DBINT *) pData);
    if (pData=dbdata(m_dbproc, 4))
        UtilStrCpy(m_txn.NewOrder.c_last, pData,
dbdatlen(m_dbproc, 4));

    if (pData=dbdata(m_dbproc, 5))
        dbconvert(m_dbproc, SQLNUMERIC,
(LPCBYTE)pData, dbdatlen(m_dbproc,5), SQLFLT8, (BYTE *) & m_txn.NewOrder.c_discount,
8);

    if (pData=dbdata(m_dbproc, 6))
        UtilStrCpy(m_txn.NewOrder.c_credit, pData,
dbdatlen(m_dbproc, 6));

    if (pData=dbdata(m_dbproc, 7))
    {
        datetime = *((DBDATETIME *) pData);
        dbdatecrack(m_dbproc, &daterec, &datetime);
        m_txn.NewOrder.o_entry_d.year =
            m_txn.NewOrder.o_entry_d.month =
            m_txn.NewOrder.o_entry_d.day =
            m_txn.NewOrder.o_entry_d.hour =
            m_txn.NewOrder.o_entry_d.minute =
            m_txn.NewOrder.o_entry_d.second =
    }

    if (pData=dbdata(m_dbproc, 8))
        commit_flag = (* (DBTINYINT *) pData);

    DiscardNextRows(0);
    DiscardNextResults(0);

    if (commit_flag == 1)
    {
        m_txn.NewOrder.total_amount *= ((1 +
m_txn.NewOrder.w_tax + m_txn.NewOrder.d_tax) * (1 - m_txn.NewOrder.c_discount));
        m_txn.NewOrder.exec_status_code = eOK;
    }
    else
        m_txn.NewOrder.exec_status_code =
eInvalidItem;

    return;
}
catch (CSQLERR *e)
{
    if ((e->m_msgno == 1205 ||
(e->m_msgno == iErrOleDbProvider &&
strstr(e->m_msgtext, sErrTimeoutExpired) !=
NULL)) &&
        (++iTryCount <= iMaxRetries))
    {

```

```

longer period                                // hit deadlock; backoff for increasingly
                                             delete e;
                                             Sleep(10 * iTryCount);
                                             }
                                             else
                                             throw;
                                             }
                                             // while (TRUE)
// if (iTryCount)
// throw new CTPCC_DBLIB_ERR(CTPCC_DBLIB_ERR::ERR_RETRIED_TRANS,
iTryCount);
}

void CTPCC_DBLIB::Payment()
{
    DBDATETIME      datetime;
    DBDATERECD      daterec;

    int              iTryCount = 0;
    const BYTE      *pData;

    ResetError();

    while (TRUE)
    {
        try
        {
            dbrpcinit(m_dbproc, "tpcc_payment", 0);

            dbrpcparam(m_dbproc, NULL, 0, SQLINT2, -1, -1, (BYTE
*) &m_txn.Payment.w_id);
            dbrpcparam(m_dbproc, NULL, 0, SQLINT2, -1, -1, (BYTE
*) &m_txn.Payment.c_w_id);
            dbrpcparam(m_dbproc, NULL, 0, SQLFLT8, -1, -1, (BYTE
*) &m_txn.Payment.h_amount);
            dbrpcparam(m_dbproc, NULL, 0, SQLINT1, -1, -1, (BYTE
*) &m_txn.Payment.d_id);
            dbrpcparam(m_dbproc, NULL, 0, SQLINT1, -1, -1, (BYTE
*) &m_txn.Payment.c_d_id);
            dbrpcparam(m_dbproc, NULL, 0, SQLINT4, -1, -1, (BYTE
*) &m_txn.Payment.c_id);

            // if customer id is zero, then payment is by name
            if (m_txn.Payment.c_id == 0)
                dbrpcparam(m_dbproc, NULL, 0, SQLCHAR, -1,
strlen(m_txn.Payment.c_last), (unsigned char *)m_txn.Payment.c_last);

            if (dbrpcexec(m_dbproc) == FAIL)
                ThrowError(CDBLIBERR::eDbrpcExec);

            if (dbresults(m_dbproc) != SUCCEEDED)
                ThrowError(CDBLIBERR::eDbResults);

            if (dbnextrow(m_dbproc) != REG_ROW)
                ThrowError(CDBLIBERR::eDbNextRow);

            if (dbnumcols(m_dbproc) != 27)
                ThrowError(CDBLIBERR::eWrongNumCols);

            if (pData=dbdata(m_dbproc, 1))

```

```

dbdatlen(m_dbproc, 2));

daterec.minute;
daterec.second;

dbdatlen(m_dbproc, 4));
dbdatlen(m_dbproc, 5));
dbdatlen(m_dbproc, 6));
dbdatlen(m_dbproc, 7));
dbdatlen(m_dbproc, 8));
dbdatlen(m_dbproc, 9));
dbdatlen(m_dbproc, 10));
dbdatlen(m_dbproc, 11));
dbdatlen(m_dbproc, 12));
dbdatlen(m_dbproc, 13));
dbdatlen(m_dbproc, 14));
dbdatlen(m_dbproc, 15));
dbdatlen(m_dbproc, 16));
dbdatlen(m_dbproc, 17));
dbdatlen(m_dbproc, 18));

```

```

        m_txn.Payment.c_id = *((DBINT *) pData);
        if (pData=dbdata(m_dbproc, 2))
            UtilStrCpy(m_txn.Payment.c_last, pData,
        if (pData=dbdata(m_dbproc, 3))
        {
            datetime = *((DBDATETIME *) pData);
            dbdatecrack(m_dbproc, &daterec, &datetime);
            m_txn.Payment.h_date.year = daterec.year;
            m_txn.Payment.h_date.month = daterec.month;
            m_txn.Payment.h_date.day = daterec.day;
            m_txn.Payment.h_date.hour = daterec.hour;
            m_txn.Payment.h_date.minute =
                m_txn.Payment.h_date.second =
        }
        if (pData=dbdata(m_dbproc, 4))
            UtilStrCpy(m_txn.Payment.w_street_1, pData,
        if (pData=dbdata(m_dbproc, 5))
            UtilStrCpy(m_txn.Payment.w_street_2, pData,
        if (pData=dbdata(m_dbproc, 6))
            UtilStrCpy(m_txn.Payment.w_city, pData,
        if (pData=dbdata(m_dbproc, 7))
            UtilStrCpy(m_txn.Payment.w_state, pData,
        if (pData=dbdata(m_dbproc, 8))
            UtilStrCpy(m_txn.Payment.w_zip, pData,
        if (pData=dbdata(m_dbproc, 9))
            UtilStrCpy(m_txn.Payment.d_street_1, pData,
        if (pData=dbdata(m_dbproc, 10))
            UtilStrCpy(m_txn.Payment.d_street_2, pData,
        if (pData=dbdata(m_dbproc, 11))
            UtilStrCpy(m_txn.Payment.d_city, pData,
        if (pData=dbdata(m_dbproc, 12))
            UtilStrCpy(m_txn.Payment.d_state, pData,
        if (pData=dbdata(m_dbproc, 13))
            UtilStrCpy(m_txn.Payment.d_zip, pData,
        if (pData=dbdata(m_dbproc, 14))
            UtilStrCpy(m_txn.Payment.c_first, pData,
        if (pData=dbdata(m_dbproc, 15))
            UtilStrCpy(m_txn.Payment.c_middle, pData,
        if (pData=dbdata(m_dbproc, 16))
            UtilStrCpy(m_txn.Payment.c_street_1, pData,
        if (pData=dbdata(m_dbproc, 17))
            UtilStrCpy(m_txn.Payment.c_street_2, pData,
        if (pData=dbdata(m_dbproc, 18))
            UtilStrCpy(m_txn.Payment.c_city, pData,
        if (pData=dbdata(m_dbproc, 19))

```



```

        UtilStrCpy(m_txn.Payment.c_state, pData,
dbdatlen(m_dbproc, 19));
    if (pData=dbdata(m_dbproc, 20))
        UtilStrCpy(m_txn.Payment.c_zip, pData,
dbdatlen(m_dbproc, 20));
    if (pData=dbdata(m_dbproc, 21))
        UtilStrCpy(m_txn.Payment.c_phone, pData,
dbdatlen(m_dbproc, 21));
    if (pData=dbdata(m_dbproc, 22))
    {
        datetime = *((DBDATETIME *) pData);
        dbdatecrack(m_dbproc, &daterec, &datetime);
        m_txn.Payment.c_since.year = daterec.year;
        m_txn.Payment.c_since.month =
daterec.month;
        m_txn.Payment.c_since.day = daterec.day;
        m_txn.Payment.c_since.hour = daterec.hour;
        m_txn.Payment.c_since.minute =
daterec.minute;
        m_txn.Payment.c_since.second =
daterec.second;
    }
    if (pData=dbdata(m_dbproc, 23))
        UtilStrCpy(m_txn.Payment.c_credit, pData,
dbdatlen(m_dbproc, 23));
    if (pData=dbdata(m_dbproc, 24))
        dbconvert(m_dbproc, SQLNUMERIC,
(LPCBYTE)pData, dbdatlen(m_dbproc,24), SQLFLT8, (BYTE *)&m_txn.Payment.c_credit_lim,
8);
    if (pData=dbdata(m_dbproc, 25))
        dbconvert(m_dbproc, SQLNUMERIC,
(LPCBYTE)pData, dbdatlen(m_dbproc,25), SQLFLT8, (BYTE *)&m_txn.Payment.c_discount,
8);
    if (pData=dbdata(m_dbproc, 26))
        dbconvert(m_dbproc, SQLNUMERIC,
(LPCBYTE)pData, dbdatlen(m_dbproc,26), SQLFLT8, (BYTE *)&m_txn.Payment.c_balance,
8);
    if (pData=dbdata(m_dbproc, 27))
        UtilStrCpy(m_txn.Payment.c_data, pData,
dbdatlen(m_dbproc, 27));

    DiscardNextRows(0);
    DiscardNextResults(0);

    if (m_txn.Payment.c_id == 0)
        throw new CTPCC_DBLIB_ERR(
CTPCC_DBLIB_ERR::ERR_INVALID_CUST );
    else
        m_txn.Payment.exec_status_code = eOK;

    return;
}
catch (CSQLERR *e)
{
    if ((e->msgno == 1205 ||
(e->msgno == iErrOleDbProvider &&
strstr(e->msgtext, sErrTimeoutExpired) !=
NULL)) &&
(++iTryCount <= iMaxRetries))
    {
        // hit deadlock; backoff for increasingly
longer period

```

```

        delete e;
        Sleep(10 * iTryCount);
    }
    else
        throw;
}
// while (TRUE)
// if (iTryCount)
// throw new CTPCC_DBLIB_ERR(CTPCC_DBLIB_ERR::ERR_RETRIED_TRANS,
iTryCount);
}

void CTPCC_DBLIB::OrderStatus()
{
    int
    DBDATETIME      datetime;
    DBDATERECD      daterec;

    int
    RETCODE          rc;
    const BYTE
    *pData;

    ResetError();

    while (TRUE)
    {
        try
        {
            dbrpcinit(m_dbproc, "tpcc_orderstatus", 0);

            dbrpcparam(m_dbproc, NULL, 0, SQLINT2, -1, -1, (BYTE
*) &m_txn.OrderStatus.w_id);
            dbrpcparam(m_dbproc, NULL, 0, SQLINT1, -1, -1, (BYTE
*) &m_txn.OrderStatus.d_id);
            dbrpcparam(m_dbproc, NULL, 0, SQLINT4, -1, -1, (BYTE
*) &m_txn.OrderStatus.c_id);

            // if customer id is zero, then order status is by
name
            if (m_txn.OrderStatus.c_id == 0)
                dbrpcparam(m_dbproc, NULL, 0, SQLCHAR, -1,
strlen(m_txn.OrderStatus.c_last), (unsigned char *)m_txn.OrderStatus.c_last);

            if (dbrpcexec(m_dbproc) == FAIL)
                ThrowError(CDBLIBERR::eDbRpcExec);

            // Get order lines
            if (dbresults(m_dbproc) != SUCCEED)
            {
                if ((m_DbLibErr == NULL) && (m_SqlErr ==
NULL))
                    throw new CTPCC_DBLIB_ERR(
CTPCC_DBLIB_ERR::ERR_NO_SUCH_ORDER );
                else
                    ThrowError(CDBLIBERR::eDbResults);
            }

            if (dbnumcols(m_dbproc) != 5)
                ThrowError(CDBLIBERR::eWrongNumCols);

```

```

i = 0;
while (TRUE)
{
    rc = dbnextrow(m_dbproc);
    if (rc == NO_MORE_ROWS)
        break;
    if (rc != REG_ROW)
        ThrowError(CDBLIBERR::eDbNextRow);

    if (pData=dbdata(m_dbproc, 1))

        m_txn.OrderStatus.OL[i].ol_supply_w_id = (*(DBSMALLINT *) pData);
        if (pData=dbdata(m_dbproc, 2))
            m_txn.OrderStatus.OL[i].ol_i_id =
            (*(DBINT *) pData);

        if (pData=dbdata(m_dbproc, 3))

            m_txn.OrderStatus.OL[i].ol_quantity = (*(DBSMALLINT *) pData);
            if (pData=dbdata(m_dbproc, 4))
                dbconvert(m_dbproc, SQLNUMERIC,
                (LPCBYTE)pData, dbdatlen(m_dbproc,4),
                SQLFLT8,
                (BYTE *)&m_txn.OrderStatus.OL[i].ol_amount, 8);
            if (pData=dbdata(m_dbproc, 5))
                {
                    datetime = *((DBDATETIME *)
                    pData);
                    dbdatecrack(m_dbproc, &daterec,
                    &datetime);

                    m_txn.OrderStatus.OL[i].ol_delivery_d.year = daterec.year;
                    m_txn.OrderStatus.OL[i].ol_delivery_d.month = daterec.month;
                    m_txn.OrderStatus.OL[i].ol_delivery_d.day = daterec.day;
                    m_txn.OrderStatus.OL[i].ol_delivery_d.hour = daterec.hour;
                    m_txn.OrderStatus.OL[i].ol_delivery_d.minute = daterec.minute;
                    m_txn.OrderStatus.OL[i].ol_delivery_d.second = daterec.second;
                }
            i++;
        m_txn.OrderStatus.o_ol_cnt = i;

    if (dbresults(m_dbproc) != SUCCEED)
        ThrowError(CDBLIBERR::eDbResults);

    if (dbnextrow(m_dbproc) != REG_ROW)
        ThrowError(CDBLIBERR::eDbNextRow);

    if (dbnumcols(m_dbproc) != 8)
        ThrowError(CDBLIBERR::eWrongNumCols);

    if (pData=dbdata(m_dbproc, 1))
        m_txn.OrderStatus.c_id = (*(DBINT *) pData);
    if (pData=dbdata(m_dbproc, 2))
        UtilStrCpy(m_txn.OrderStatus.c_last, pData,
        dbdatlen(m_dbproc,2));
    if (pData=dbdata(m_dbproc, 3))

```

```

        UtilStrCpy(m_txn.OrderStatus.c_first, pData,
        dbdatlen(m_dbproc,3));
        if (pData=dbdata(m_dbproc, 4))
            UtilStrCpy(m_txn.OrderStatus.c_middle,
            pData, dbdatlen(m_dbproc, 4));
        if (pData=dbdata(m_dbproc, 5))
            {
                datetime = *((DBDATETIME *) pData);
                dbdatecrack(m_dbproc, &daterec, &datetime);
                m_txn.OrderStatus.o_entry_d.year =
                m_txn.OrderStatus.o_entry_d.month =
                m_txn.OrderStatus.o_entry_d.day =
                m_txn.OrderStatus.o_entry_d.hour =
                m_txn.OrderStatus.o_entry_d.minute =
                m_txn.OrderStatus.o_entry_d.second =
            }
        if (pData=dbdata(m_dbproc, 6))
            m_txn.OrderStatus.o_carrier_id =
            (*(DBSMALLINT *) pData);
        if (pData=dbdata(m_dbproc, 7))
            dbconvert(m_dbproc, SQLNUMERIC,
            (LPCBYTE)pData, dbdatlen(m_dbproc,7),
            SQLFLT8, (BYTE
            *)&m_txn.OrderStatus.c_balance, 8);
        if (pData=dbdata(m_dbproc, 8))
            m_txn.OrderStatus.o_id = (*(DBINT *) pData);

        DiscardNextRows(0);
        DiscardNextResults(0);

        if (m_txn.OrderStatus.o_ol_cnt == 0)
            throw new CTPCC_DBLIB_ERR(
            CTPCC_DBLIB_ERR::ERR_NO_SUCH_ORDER );
        else if (m_txn.OrderStatus.c_id == 0 &&
        m_txn.OrderStatus.c_last[0] == 0)
            throw new CTPCC_DBLIB_ERR(
            CTPCC_DBLIB_ERR::ERR_INVALID_CUST );
        else
            m_txn.OrderStatus.exec_status_code = eOK;

        return;
    }
    catch (CSQLERR *e)
    {
        if ((e->m_msgno == 1205 ||
        (e->m_msgno == iErrOleDbProvider &&
        strstr(e->m_msgtext, sErrTimeoutExpired) !=
        NULL)) &&
        (++iTryCount <= iMaxRetries))
        {
            // hit deadlock; backoff for increasingly
            delete e;
            Sleep(10 * iTryCount);
        }
        else

```

```

        throw;
    }
    // while (TRUE)
}
// if (iTryCount)
// throw new CTPCC_DBLIB_ERR(CTPCC_DBLIB_ERR::ERR_RETRIED_TRANS,
iTryCount);
}

void CTPCC_DBLIB::Delivery()
{
    int i;
    int iTryCount = 0;
    const BYTE *pData;

    ResetError();

    while (TRUE)
    {
        try
        {
            dbrpcinit(m_dbproc, "tpcc_delivery", 0);

            dbrpcparam(m_dbproc, NULL, 0, SQLINT2, -1, -1, (BYTE
*) &m_txn.Delivery.w_id);
            dbrpcparam(m_dbproc, NULL, 0, SQLINT1, -1, -1, (BYTE
*) &m_txn.Delivery.o_carrier_id);

            if (dbrpcexec(m_dbproc) == FAIL)
                ThrowError(CDBLIBERR::eDbRpcExec);

            if (dbresults(m_dbproc) != SUCCEEDED)
                ThrowError(CDBLIBERR::eDbResults);

            if (dbnextrow(m_dbproc) != REG_ROW)
                ThrowError(CDBLIBERR::eDbNextRow);

            if (dbnumcols(m_dbproc) != 10)
                ThrowError(CDBLIBERR::eWrongNumCols);

            for (i=0; i<10; i++)
            {
                if (pData = dbdata(m_dbproc, i+1))
                    m_txn.Delivery.o_id[i] = *(DBINT
*)pData);
            }

            DiscardNextRows(0);
            DiscardNextResults(0);

            m_txn.Delivery.exec_status_code = eOK;
            return;
        }
        catch (CSQLERR *e)
        {
            if ((e->m_msgno == 1205 ||
                (e->m_msgno == iErrOleDbProvider &&
                 strstr(e->m_msgtext, sErrTimeoutExpired) !=
NULL)) &&
                (++iTryCount <= iMaxRetries))
            {

```

```

                // hit deadlock; backoff for increasingly
                longer period
                delete e;
                Sleep(10 * iTryCount);
            }
            else
                throw;
        }
    } // while (TRUE)

    // if (iTryCount)
    // throw new CTPCC_DBLIB_ERR(CTPCC_DBLIB_ERR::ERR_RETRIED_TRANS,
iTryCount);
}

void CTPCC_DBLIB::ResetError()
{
    if (m_DbLibErr != NULL)
    {
        delete m_DbLibErr;
        m_DbLibErr = (CDBLIBERR*)NULL;
    }

    if (m_SqlErr != NULL)
    {
        delete m_SqlErr;
        m_SqlErr = (CSQLERR*)NULL;
    }

    return;
}

```

tpcc_dblib.h

```

/* FILE: TPC_C_DBLIB.H
 * Microsoft TPC-C Kit Ver. 4.20.000
 * Copyright Microsoft, 1999
 * All Rights Reserved
 * Version 4.10.000 audited by Richard Gimarc,
Performance Metrics, 3/17/99
 * PURPOSE: Header file for TPC-C txn class implementation.
 * Change history:
 * 4.20.000 - updated rev number to match kit
 */
#pragma once

#ifndef PDBPROCESS
#define DBPROCESS void // dbprocess structure type
typedef DBPROCESS * PDBPROCESS;
#endif

// need to declare functions for import, unless define has already been created
// by the DLL's .cpp module for export.
#ifndef DllDecl
#define DllDecl __declspec( dllimport )
#endif

class CSQLERR : public CBaseErr
{
public:

```

```

CSQLERR(void)
{
    m_msgno = 0;
    m_msgstate = 0;
    m_severity = 0;
    m_msgtext = NULL;
};

~CSQLERR()
{
    delete [] m_msgtext;
};

int          m_msgno;
int          m_msgstate;
int          m_severity;
char        *m_msgtext;

int ErrorType() {return ERR_TYPE_SQL;};
int ErrorNum() {return m_msgno;};
char *ErrorText() {return m_msgtext;};

};

class CDBLIBERR : public CBaseErr
{
public:
    enum ACTION
    {
        eNone,
        eUnknown,
        eLogin, // error from
dblogin
        eDbOpen, // error from dbopen
        eDbUse, // error from
dbuse
        eDbSqlExec, // error from
dbsqlxec
        eDbSet, // error from
one of the dbset* routines
        eDbNextRow, // error from
dbnextrow
        eWrongRowCount, // more or less rows
        eWrongNumCols, // more or less columns
        eDbResults, // error from
dbresults
        eDbRpcExec, // error from
dbrpcxec
        eDbSetMaxProcs, // error from
dbsetmaxprocs
        eDbProcHandler // error from either
dbprocerrhandle or dbprocmsghandle
    };
    CDBLIBERR(ACTION eAction, int severity = 0, int dberror = 0, int
oserr = 0)
    {
        m_eAction = eAction;
        m_severity = severity;
        m_dberror = dberror;
    }
};

```

```

        m_oserr = oserr;
        m_dberrstr = NULL;
        m_oserrstr = NULL;
    };

~CDBLIBERR()
{
    delete [] m_dberrstr;
    delete [] m_oserrstr;
};

ACTION      m_eAction;
int          m_severity;
int          m_dberror;
int          m_oserr;
char        *m_dberrstr;
char        *m_oserrstr;

int ErrorType() {return ERR_TYPE_DBLIB;};
int ErrorNum() {return m_dberror;};
char *ErrorText() {return m_dberrstr;};

};

class CTPCC_DBLIB_ERR : public CBaseErr
{
public:
    enum CTPCC_DBLIB_ERRS
    {
        ERR_WRONG_SP_VERSION = 1, // "Wrong version of
stored procs on database server"
        ERR_INVALID_CUST, // "Invalid
Customer id,name."
        ERR_NO_SUCH_ORDER, // "No orders
found for customer."
        ERR_RETRIED_TRANS, // "Retries
before transaction succeeded."
    };
    CTPCC_DBLIB_ERR( int iErr ) { m_errno = iErr; m_iTryCount = 0;
};

    CTPCC_DBLIB_ERR( int iErr, int iTryCount ) { m_errno = iErr;
m_iTryCount = iTryCount; };

    int          m_errno;
    int          m_iTryCount;

    int ErrorType() {return ERR_TYPE_TPCC_DBLIB;};
    int ErrorNum() {return m_errno;};

    char *ErrorText();
};

class DllDecl CTPCC_DBLIB : public CTPCC_BASE
{
private:
    // declare variables and private functions here...
    PDBPROCESS      m_dbproc;
    CDBLIBERR *m_DbLibErr; // not allocated until
needed (maybe never)
};

```

```

        CSQLErr                *m_SqlErr;                //
not allocated until needed (maybe never)
        int                    m_MaxRetries;             //
retry count on deadlock

        void DiscardNextRows(int iExpectedCount);
        void DiscardNextResults(int iExpectedCount);
        void ThrowError( CDBLIBERR::ACTION eAction );
        void ResetError();

        union
        {
                NEW_ORDER_DATA                NewOrder;
                PAYMENT_DATA                  Payment;
                DELIVERY_DATA                 Delivery;
                STOCK_LEVEL_DATA              StockLevel;
                ORDER_STATUS_DATA             OrderStatus;
        }
                m_txn;

public:
        CTPCC_DBLIB(LPCSTR szServer, LPCSTR szUser, LPCSTR szPassword,
LPCSTR szHost, LPCSTR szDatabase );
        ~CTPCC_DBLIB(void);

        inline PNEW_ORDER_DATA                BuffAddr_NewOrder()
        { return &m_txn.NewOrder; };
        inline PPAYMENT_DATA                 BuffAddr_Payment()
        { return &m_txn.Payment; };
        inline PDELIVERY_DATA                BuffAddr_Delivery()
        { return &m_txn.Delivery; };
        inline PSTOCK_LEVEL_DATA             BuffAddr_StockLevel() {
return &m_txn.StockLevel; };
        inline PORDER_STATUS_DATA           BuffAddr_OrderStatus() {
return &m_txn.OrderStatus; };

        void NewOrder                ();
        void Payment                  ();
        void Delivery                  ();
        void StockLevel                ();
        void OrderStatus                ();

        // these are public because they must be called from the dblib
err_handler and msg_handler
        // outside of the class
        void SetDbLibError(int severity, int dberr, int oserr, LPCSTR
dberrstr, LPCSTR oserrstr);
        void SetSqlError( int msgno, int msgstate, int severity, LPCSTR
msgtext );
};

extern "C" DllDecl CTPCC_DBLIB* CTPCC_DBLIB_new
( LPCSTR szServer, LPCSTR szUser, LPCSTR szPassword, LPCSTR szHost, LPCSTR
szDatabase );

typedef CTPCC_DBLIB* (TYPE_CTPCC_DBLIB)(LPCSTR, LPCSTR, LPCSTR, LPCSTR, LPCSTR);

```

trans.h

```

/* FILE: TRANS.H
Microsoft TPC-C Kit Ver. 4.20.000
*/

```

```

* Copyright Microsoft, 1999
* All Rights Reserved
*
* Version 4.10.000 audited by Richard Gimarc,
Performance Metrics, 3/17/99
*
* PURPOSE: Header file for TPC-C structure templates.
*
* Change history:
* 4.20.000 - updated rev number to match kit
*/
#pragma once

// String length constants
#define SERVER_NAME_LEN 20
#define DATABASE_NAME_LEN 20
#define USER_NAME_LEN 20
#define PASSWORD_LEN 20
#define TABLE_NAME_LEN 20
#define I_DATA_LEN 50
#define I_NAME_LEN 24
#define BRAND_LEN 1
#define LAST_NAME_LEN 16
#define W_NAME_LEN 10
#define ADDRESS_LEN 20
#define STATE_LEN 2
#define ZIP_LEN 9
#define S_DIST_LEN 24
#define S_DATA_LEN 50
#define D_NAME_LEN 10
#define FIRST_NAME_LEN 16
#define MIDDLE_NAME_LEN 2
#define PHONE_LEN 16
#define DATETIME_LEN 30
#define CREDIT_LEN 2
#define C_DATA_LEN 250
#define H_DATA_LEN 24
#define DIST_INFO_LEN 24
#define MAX_OL_NEW_ORDER_ITEMS 15
#define MAX_OL_ORDER_STATUS_ITEMS 15
#define STATUS_LEN 25
#define OL_DIST_INFO_LEN 24

// TIMESTAMP_STRUCT is provided by the ODBC header file sqltypes.h, but is not
available
// when compiling with dblib, so redefined here. Note: we are using the symbol
"__SQLTYPES"
// (declared in sqltypes.h) as a way to determine if TIMESTAMP_STRUCT has been
declared.
#ifdef __SQLTYPES
typedef struct
{
        short /* SQLSMALLINT */
        year;
        unsigned short /* SQLUSMALLINT */ month;
        unsigned short /* SQLUSMALLINT */ day;
        unsigned short /* SQLUSMALLINT */ hour;
        unsigned short /* SQLUSMALLINT */ minute;
        unsigned short /* SQLUSMALLINT */ second;
        unsigned long /* SQLINTEGER */ fraction;
} TIMESTAMP_STRUCT;
#endif

```

```

// possible values for exec_status_code after transaction completes
enum EXEC_STATUS
{
    eOK, // 0 "Transaction committed."
    eInvalidItem, // 1 "Item number is not valid."
    eDeliveryFailed // 2 "Delivery Post Failed."
};

// transaction structures
typedef struct
{
    // input params
    short ol_supply_w_id;
    long ol_i_id;
    short ol_quantity;

    // output params
    char ol_i_name[I_NAME_LEN+1];
    char ol_brand_generic[BRAND_LEN+1];
    double ol_i_price;
    double ol_amount;
    short ol_stock;
} OL_NEW_ORDER_DATA;

typedef struct
{
    // input params
    short w_id;
    short d_id;
    long c_id;
    short o_ol_cnt;

    // output params
    EXEC_STATUS exec_status_code;
    char c_last[LAST_NAME_LEN+1];
    char c_credit[CREDIT_LEN+1];
    double c_discount;
    double w_tax;
    double d_tax;
    long o_id;
    short o_commit_flag;
    TIMESTAMP_STRUCT o_entry_d;
    short o_all_local;
    double total_amount;
    OL_NEW_ORDER_DATA OL[MAX_OL_NEW_ORDER_ITEMS];
} NEW_ORDER_DATA, *PNEW_ORDER_DATA;

typedef struct
{
    // input params
    short w_id;
    short d_id;
    long c_id;
    short c_d_id;
    short c_w_id;
    double h_amount;
    char c_last[LAST_NAME_LEN+1];

    // output params
    EXEC_STATUS exec_status_code;
    TIMESTAMP_STRUCT h_date;
    char w_street_1[ADDRESS_LEN+1];
    char w_street_2[ADDRESS_LEN+1];
    char w_city[ADDRESS_LEN+1];

```

```

    char w_state[STATE_LEN+1];
    char w_zip[ZIP_LEN+1];
    char d_street_1[ADDRESS_LEN+1];
    char d_street_2[ADDRESS_LEN+1];
    char d_city[ADDRESS_LEN+1];
    char d_state[STATE_LEN+1];
    char d_zip[ZIP_LEN+1];
    char c_first[FIRST_NAME_LEN+1];
    char c_middle[MIDDLE_NAME_LEN + 1];
    char c_street_1[ADDRESS_LEN+1];
    char c_street_2[ADDRESS_LEN+1];
    char c_city[ADDRESS_LEN+1];
    char c_state[STATE_LEN+1];
    char c_zip[ZIP_LEN+1];
    char c_phone[PHONE_LEN+1];
    TIMESTAMP_STRUCT c_since;
    char c_credit[CREDIT_LEN+1];
    double c_credit_lim;
    double c_discount;
    double c_balance;
    char c_data[200+1];
} PAYMENT_DATA, *PPAYMENT_DATA;

typedef struct
{
    long ol_i_id;
    short ol_supply_w_id;
    short ol_quantity;
    double ol_amount;
    TIMESTAMP_STRUCT ol_delivery_d;
} OL_ORDER_STATUS_DATA;

typedef struct
{
    // input params
    short w_id;
    short d_id;
    long c_id;
    char c_last[LAST_NAME_LEN+1];

    // output params
    EXEC_STATUS exec_status_code;
    char c_first[FIRST_NAME_LEN+1];
    char c_middle[MIDDLE_NAME_LEN+1];
    double c_balance;
    long o_id;
    TIMESTAMP_STRUCT o_entry_d;
    short o_carrier_id;
    OL_ORDER_STATUS_DATA OL[MAX_OL_ORDER_STATUS_ITEMS];
    short o_ol_cnt;
} ORDER_STATUS_DATA, *PORDER_STATUS_DATA;

typedef struct
{
    // input params
    short w_id;
    short o_carrier_id;

    // output params
    EXEC_STATUS exec_status_code;
    SYSTEMTIME queue_time;
    long o_id[10]; // id's of
    delivered orders for districts 1 to 10
} DELIVERY_DATA, *PDELIVERY_DATA;

```

```

//This structure is used for posting delivery transactions and for writing them to
the delivery server.
typedef struct _DELIVERY_TRANSACTION
{
    SYSTEMTIME        queue;                //time delivery
transaction queued
    short             w_id;                //delivery warehouse
    short             o_carrier_id;        //carrier id
} DELIVERY_TRANSACTION;

typedef struct
{
    // input params
    short             w_id;
    short             d_id;
    short             threshold;

    // output params
    EXEC_STATUS      exec_status_code;
    long             low_stock;
} STOCK_LEVEL_DATA, *PSTOCK_LEVEL_DATA;

```

txnlog.h

```

/* FILE: TXNLOG.H
 * Microsoft TPC-C Kit Ver. 4.10.000
 * not yet audited
 *
 * PURPOSE: Header file for txn log class
 * Copyright Microsoft, 1999
 * All Rights Reserved
 */

#pragma once

typedef struct _TXN_NEWORDER
{
    BYTE    OL_Count;        //range 0 to 31
    BYTE    OL_Remote_Count; //range 0 to 31
    WORD    c_id;
    int     o_id;
} TXN_NEWORDER;

typedef struct _TXN_PAYMENT
{
    BYTE    CustByName;
    BYTE    IsRemote;
} TXN_PAYMENT;

typedef struct _TXN_ORDERSTATUS
{
    BYTE    CustByName;
} TXN_ORDERSTATUS;

typedef union _TXN_DETAILS
{
    TXN_NEWORDER    NewOrder;
    TXN_PAYMENT     Payment;
    TXN_ORDERSTATUS OrderStatus;
} TXN_DETAILS;

```

```

// Common header for all records in txn log. The TxnType field is
// a switch which identifies the particular variant.
#define TXN_REC_TYPE_CONTROL    1 //
#define TXN_REC_TYPE_TPCC      2 // replaces
TRANSACTION_TYPE_TPCC
#define TXN_REC_TYPE_TPCC_DELIV_DEF 3

typedef struct _TXN_RECORD_HEADER
{
    JULIAN_TIME    TxnStartT0;        // start of
txn
    BYTE    TxnType;                // one of TXN_REC_TYPE_*
    BYTE    TxnSubType;            // depends on
TxnType
} TXN_RECORD_HEADER, *PTXN_RECORD_HEADER;

typedef struct _TXN_RECORD_CONTROL
{
    // common header; must exactly match TXN_RECORD_HEADER
    JULIAN_TIME    TxnStartT0;        // start of
txn
    BYTE    TxnType;                // =
TXN_REC_TYPE_CONTROL
    BYTE    TxnSubType;            // depends on
TxnType
    // end of common header
    DWORD    Len;                // number of
bytes after this field
} TXN_RECORD_CONTROL, *PTXN_RECORD_CONTROL;

// TPC-C Txn Record Layout:
//
// 'TxnStartT0' is a Julian timestamp corresponding to the moment the
//txn is sent to the SUT, i.e., beginning of response time. Deltas
//are in milliseconds. Note that if RTDelay > 0, then the txn was
//delayed by this amount. The delay occurs at the beginning of the
//response time. So if RTDelay > 0, then the txn was actually sent
//at TxnStartT0 + RTDelay.
//
//Graphically:
//
// time -->
//
// |--- Menu ---|-- Keying --|-- Response --|--- Think --|
// <- DeltaT1 -> <- DeltaT2 -> <- DeltaT4 -> <- DeltaT3 ->
//                                     ^
//                                     ^ TxnStartT0
//
//RTDelay is the amount of response time delay included in DeltaT4.
//RTDelay is recorded per txn because this value can be changed on
//the fly, and so may vary from txn to txn.
//
//TxnStatus is the txn completion code. It is used to indicate errors.
//For example, in the New Order txn, 1% of txns abort. TxnStatus will
//reflect this.

typedef struct _TXN_RECORD_TPCC
{
    // common header; must exactly match TXN_RECORD_HEADER

```

```

    JULIAN_TIME      TxnStartT0;                // start of
txn
    BYTE            TxnType;                    // = TXN_REC_TYPE_TPCC
    BYTE            TxnSubType;                // depends on
TxnType
    // end of common header

    int            DeltaT1;                    // menu time (ms)
    int            DeltaT2;                    // keying time (ms)
    int            DeltaT3;                    // think time (ms)
    int            DeltaT4;                    // response time (ms)
    int            RTDelay;                    // response time delay (ms)
    int            TxnError;                    // error code providing
more detail for TxnStatus
    WORD           w_id;                        // warehouse ID
    BYTE           d_id;                        // assigned district ID
for this thread
    BYTE           d_id_ThisTxn;                // district ID chosen for this
particular
    BYTE           TxnStatus;                    // completion status for
txn to indicate errors
    BYTE           reserved;                    // for word alignment
    TXN_DETAILS    TxnDetails;                //
} TXN_RECORD_TPCC, *PTXN_RECORD_TPCC;

// TPC-C Deferred Delivery Txn Record Layout:
//
// Incorporating delivery transaction information into the above
// structure would increase the size of TXN_DETAILS from 8 to 42 bytes.
// Hence, we store delivery transaction details in a separate structure.
//
typedef struct _TXN_RECORD_TPCC_DELIV_DEF
{
    // common header; must exactly match TXN_RECORD_HEADER
    JULIAN_TIME    TxnStartT0;                // start of
txn
    BYTE           TxnType;                    // =
TXN_REC_TYPE_TPCC_DELIV_DEF
    BYTE           TxnSubType;                // = 0
    // end of common header

    int            DeltaT4;                    // response time (ms)
    int            DeltaTxnExec;                // execution time (ms)
    WORD           w_id;                        // warehouse ID
    BYTE           TxnStatus;                    // completion status for
txn to indicate errors
    BYTE           reserved;                    // for word alignment
    short          o_carrier_id;                // carrier id
    long           o_id[10];                    // returned delivery transaction
ids
} TXN_RECORD_TPCC_DELIV_DEF, *PTXN_RECORD_TPCC_DELIV_DEF;

#define TXN_LOG_VERSION 1
#define TXN_DATA_START 4096 // offset in log file
where log records start
#define TXN_LOG_EYE_CATCHER "BC" // signature bytes at the start of
log file

////////////////////////////////////
//

```

```

// The transaction log has a header as the first 4K block.
//
typedef struct _TXN_LOG_HEADER
{
    char           EyeCatcher[2];            // signature
    int            LogVersion;
    // set to TXN_LOG_VERSION
    JULIAN_TIME    BeginTxnTS;                //
timestamp of first (lowest) txn start
    JULIAN_TIME    EndTxnTS;                // timestamp
of last (highest) txn completion time
    int            iRecCount;
    // number of records in log file
    BOOL           bLogSorted;
    int            iFileSize;
    // file size in bytes

    // the record map provides a fast way to get close to a
particular timestamp in a sorted log file.
    //
    struct
    {
        //
        JULIAN_TIME    TS;
        int            iPos;
    }
    // byte position in file
    //
    RecMap[RecMapSize];
} TXN_LOG_HEADER, *PTXN_LOG_HEADER;

#define READ_BUFFER_SIZE 64*1024
#define WRITE_BUFFER_SIZE 8*1024

#define NUM_READ_BUFFERS 1
#define NUM_WRITE_BUFFERS 2
#define MAX_NUM_BUFFERS 2

// flags passed in to the constructor
#define TXN_LOG_WRITE 0x01
#define TXN_LOG_READ 0x02
#define TXN_LOG_SORTED 0x04

#define TXN_LOG_OS_ERROR 1
#define TXN_LOG_NOT_SORTED 2

#define SKIP_CTRL_RECS 1

class CTxnLog
{
private:
    DWORD          iBufferSize;
    //buffer allocated size
    DWORD          iBytesFreeInBuffer; //total bytes
available for use in buffer
    int            iNumBuffers;
    //buffers in use
    int            iActiveBuffer;
    //indicates which buffer is active: 0 or 1

```



```

        int                iIoBuffer;
        //buffer for any pending IO operation
        int                iFilePointer;
//position in file.
        int                iNextRec;
//when reading, ordinal value of next record

        // A "save point" is remembered each time GetNextRecord is
called with a start time specified.
        // The next time it is called, if start time is after the save
point, we start scanning from the
        // save point. This is particularly useful in FindBestInterval,
where the log is scanned repeatedly.
        JULIAN_TIME        SavePtTime;
        int                iSavePtFilePointer;
        int                iSavePtNextRec;

        JULIAN_TIME        lastTS;
//when writing sorted output, used to verify records are sorted
        BOOL                bWrite;
//writing log file

        BOOL                bLogSorted;
// is log file sorted? applies to both input and output
        JULIAN_TIME        BeginTxnTS;
// timestamp of first (lowest) txn start
        JULIAN_TIME        EndTxnTS;
timestamp of last (highest) txn completion time
        int                iRecCount;
// number of records in log file

        BYTE                *pCurrent;
//ptr to current buffer
        BYTE                *pBuffer[MAX_NUM_BUFFERS];

        PTXN_RECORD_HEADER *TxnArray;
record pointer array for sort

        DWORD                dwError;
        HANDLE                hTxnFile;
//handle to log file
        HANDLE                hMapFile;
//map file used when sorting the log
        HANDLE                hIoComplete;
//event to signify that there are no pending IOs
        HANDLE                hLogFileIo;
//event to signal the IO thread to write the inactive buffer

        Spinlock Spin;
//spin lock to protect the txn log file buffers

        int Write(BYTE *ptr, DWORD Size);
        static void LogFileIO(CTxnLog *);

public:
    CTxnLog::CTxnLog(LPCTSTR szFileName, DWORD dwOpts);
    ~CTxnLog(void);

    int WriteToLog(PTXN_RECORD_TPCC pTxnRcnd);
    int WriteToLog(PTXN_RECORD_TPCC_DELIV_DEF pTxnRcnd);
    int WriteToLog(PTXN_RECORD_CONTROL pCtrlRec);
    int WriteToLog(PTXN_RECORD_HEADER pCtrlRec);

```

```

        int WriteCtrlRecToLog(BYTE SubType, LPTSTR lpStr, DWORD dwLen);
        void CloseTransactionLogFile(void);

        PTXN_RECORD_HEADER GetNextRecord(BOOL bSkipCtrlRecs = FALSE);
        PTXN_RECORD_HEADER GetNextRecord(JULIAN_TIME SeekTimeT0, BOOL
bSkipCtrlRecs = FALSE);

        int Sort(void);
        PTXN_RECORD_HEADER GetSortedRecord(int index);

        inline BOOL IsSorted(void) { return bLogSorted; };
        inline JULIAN_TIME BeginTS(void) { return BeginTxnTS; };
        inline JULIAN_TIME EndTS(void) { return EndTxnTS; };
        inline int RecordCount(void) { return iRecCount; };
};

class CTXNLOG_ERR : public CBaseErr
{
public:
    enum CTXNLOG_ERRS
    {
        ERR_BAD_FILE_FORMAT, // "File
format is invalid."
        ERR_UNKNOWN_LOG_VERSION, // "Log file version is
unknown."
        ERR_BROKEN_LOG_FILE, // "Log file
is broken."
        ERR_LOG_NOT_SORTED, // "Log file
is not sorted"
        ERR_INVALID_TIME_SEQ, // "Internal
Error: Record Time Sequence invalid."
    };

    CTXNLOG_ERR(int iErr) : CBaseErr(iErr) {};

    int ErrorType() {return ERR_TYPE_TXNLOG;};

    char *ErrorText()
    {
        static char *szMsgs[] = {
            "File format is invalid.",
            "Log file version is unknown.",
            "Log file is broken.",
            "Log file is not sorted",
            "Internal Error: Record Time Sequence
invalid.",
            ""
        };

        for(int i = 0; szMsgs[i][0]; i++)
        {
            if ( m_idMsg == i )
                break;
        }

        return(szMsgs[i][0] ? szMsgs[i] : ERR_UNKNOWN);
    };
};

```

txn_base.h

```

/*      FILE:          TXN_BASE.H
 *
 *      Microsoft TPC-C Kit Ver. 4.20.000
 *      Copyright Microsoft, 1999
 *
 *      All Rights Reserved
 *
 *
 *      Version 4.10.000 audited by Richard Gimarc,
Performance Metrics, 3/17/99
 *
 *      PURPOSE:  Header file for TPC-C txn class implementation.
 *
 *      Change history:
 *      4.20.000 - updated rev number to match kit
 */

#pragma once

// need to declare functions for import, unless define has already been created
// by the DLL's .cpp module for export.
#ifndef DllDecl
#define DllDecl __declspec( dllimport )
#endif

class DllDecl CTPCC_BASE
{
public:
    CTPCC_BASE(void) {};
    virtual ~CTPCC_BASE(void) {};

    virtual PNEW_ORDER_DATA      BuffAddr_NewOrder()
    = 0;
    virtual PPAYMENT_DATA        BuffAddr_Payment()
    = 0;
    virtual PDELIVERY_DATA       BuffAddr_Delivery()
    = 0;
    virtual PSTOCK_LEVEL_DATA     BuffAddr_StockLevel() = 0;
    virtual PORDER_STATUS_DATA     BuffAddr_OrderStatus() = 0;

    virtual void NewOrder          () = 0;
    virtual void Payment           () = 0;
    virtual void Delivery          () = 0;
    virtual void StockLevel        () = 0;
    virtual void OrderStatus       () = 0;
};

```

webclnt.dsp

```

# Microsoft Developer Studio Project File - Name="webclnt" - Package Owner=<4>
# Microsoft Developer Studio Generated Build File, Format Version 5.00
# ** DO NOT EDIT **

```

```
# TARGETTYPE "Win32 (x86) Application" 0x0101
```

```

CFG=webclnt - Win32 Release
!MESSAGE This is not a valid makefile. To build this project using NMAKE,
!MESSAGE use the Export Makefile command and run
!MESSAGE
!MESSAGE NMAKE /f "Webclnt.mak".
!MESSAGE
!MESSAGE You can specify a configuration when running NMAKE
!MESSAGE by defining the macro CFG on the command line. For example:
!MESSAGE
!MESSAGE NMAKE /f "Webclnt.mak" CFG="webclnt - Win32 Release"

```

```

!MESSAGE
!MESSAGE Possible choices for configuration are:
!MESSAGE
!MESSAGE "webclnt - Win32 Release" (based on "Win32 (x86) Application")
!MESSAGE "webclnt - Win32 Debug" (based on "Win32 (x86) Application")
!MESSAGE

```

```

# Begin Project
# PROP Scc_ProjName ""
# PROP Scc_LocalPath ""
CPP=cl.exe
MTL=midl.exe
RSC=rc.exe

```

```
!IF "$(CFG)" == "webclnt - Win32 Release"
```

```

# PROP BASE Use_MFC 0
# PROP BASE Use_Debug_Libraries 0
# PROP BASE Output_Dir ".\Release"
# PROP BASE Intermediate_Dir ".\Release"
# PROP BASE Target_Dir ""
# PROP Use_MFC 0
# PROP Use_Debug_Libraries 0
# PROP Output_Dir ".\Release"
# PROP Intermediate_Dir ".\Release"
# PROP Target_Dir ""
# ADD BASE CPP /nologo /W3 /GX /O2 /D "WIN32" /D "NDEBUG" /D "_WINDOWS" /YX /c
# ADD CPP /nologo /W3 /GX /O2 /D "WIN32" /D "NDEBUG" /D "_WINDOWS" /YX /FD /c
# ADD BASE MTL /nologo /D "NDEBUG" /win32
# ADD MTL /nologo /D "NDEBUG" /mktyplib203 /win32
# ADD BASE RSC /l 0x409 /d "NDEBUG"
# ADD RSC /l 0x409 /d "NDEBUG"
BSC32=bscmake.exe
# ADD BASE BSC32 /nologo
# ADD BSC32 /nologo
LINK32=link.exe
# ADD BASE LINK32 kernel32.lib user32.lib gdi32.lib winspool.lib comdlg32.lib
advapi32.lib shell32.lib ole32.lib oleaut32.lib uuid.lib odbc32.lib odbccp32.lib
/nologo /subsystem:windows /machine:I386
# ADD LINK32 kernel32.lib user32.lib gdi32.lib winspool.lib comdlg32.lib
advapi32.lib shell32.lib ole32.lib oleaut32.lib uuid.lib odbc32.lib odbccp32.lib
/nologo /subsystem:windows /machine:I386

```

```
!ELSEIF "$(CFG)" == "webclnt - Win32 Debug"
```

```

# PROP BASE Use_MFC 0
# PROP BASE Use_Debug_Libraries 1
# PROP BASE Output_Dir ".\Debug"
# PROP BASE Intermediate_Dir ".\Debug"
# PROP BASE Target_Dir ""
# PROP Use_MFC 0
# PROP Use_Debug_Libraries 1
# PROP Output_Dir ".\Debug"
# PROP Intermediate_Dir ".\Debug"
# PROP Target_Dir ""
# ADD BASE CPP /nologo /W3 /Gm /GX /Zi /Od /D "WIN32" /D "_DEBUG" /D "_WINDOWS" /YX
/c
# ADD CPP /nologo /W3 /Gm /GX /Zi /Od /D "WIN32" /D "_DEBUG" /D "_WINDOWS" /YX /FD
/c
# ADD BASE MTL /nologo /D "_DEBUG" /win32
# ADD MTL /nologo /D "_DEBUG" /mktyplib203 /win32
# ADD BASE RSC /l 0x409 /d "_DEBUG"
# ADD RSC /l 0x409 /d "_DEBUG"

```

```

BSC32=bscmake.exe
# ADD BASE BSC32 /nologo
# ADD BSC32 /nologo
LINK32=link.exe
# ADD BASE LINK32 kernel32.lib user32.lib gdi32.lib winspool.lib comdlg32.lib
advapi32.lib shell32.lib ole32.lib oleaut32.lib uuid.lib odbc32.lib odbccp32.lib
/nologo /subsystem:windows /debug /machine:I386
# ADD LINK32 kernel32.lib user32.lib gdi32.lib winspool.lib comdlg32.lib
advapi32.lib shell32.lib ole32.lib oleaut32.lib uuid.lib odbc32.lib odbccp32.lib
/nologo /subsystem:windows /debug /machine:I386

!ENDIF

# Begin Target

# Name "webclnt - Win32 Release"
# Name "webclnt - Win32 Debug"
# End Target
# End Project

```

webclnt.dsw

Microsoft Developer Studio Workspace File, Format Version 6.00
WARNING: DO NOT EDIT OR DELETE THIS WORKSPACE FILE!

```

#####

Project: "db_dblib_dll"=.\db_dblib_dll\db_dblib_dll.dsp - Package Owner=<4>

Package=<5>
{{{
}}}

Package=<4>
{{{
}}}

#####

Project: "db_odbc_dll"=.\db_odbc_dll\db_odbc_dll.dsp - Package Owner=<4>

Package=<5>
{{{
}}}

Package=<4>
{{{
}}}

#####

Project: "install"=.\install\install.dsp - Package Owner=<4>

Package=<5>
{{{
}}}

Package=<4>
{{{
    Begin Project Dependency
    Project_Dep_Name isapi_dll
    End Project Dependency

```

```

Begin Project Dependency
Project_Dep_Name tuxapp
End Project Dependency
Begin Project Dependency
Project_Dep_Name db_dblib_dll
End Project Dependency
Begin Project Dependency
Project_Dep_Name db_odbc_dll
End Project Dependency
Begin Project Dependency
Project_Dep_Name tm_com_dll
End Project Dependency
Begin Project Dependency
Project_Dep_Name tm_tuxedo_dll
End Project Dependency
Begin Project Dependency
Project_Dep_Name tpcc_com_all
End Project Dependency
Begin Project Dependency
Project_Dep_Name tpcc_com_ps
End Project Dependency
}}}

#####

Project: "isapi_dll"=.\isapi_dll\isapi_dll.dsp - Package Owner=<4>

Package=<5>
{{{
}}}

Package=<4>
{{{
    Begin Project Dependency
    Project_Dep_Name db_dblib_dll
    End Project Dependency
    Begin Project Dependency
    Project_Dep_Name db_odbc_dll
    End Project Dependency
    Begin Project Dependency
    Project_Dep_Name tm_tuxedo_dll
    End Project Dependency
    Begin Project Dependency
    Project_Dep_Name tm_com_dll
    End Project Dependency
    Begin Project Dependency
    Project_Dep_Name tm_encina_dll
    End Project Dependency
}}}

#####

Project: "tm_com_dll"=.\tm_com_dll\tm_com_dll.dsp - Package Owner=<4>

Package=<5>
{{{
}}}

Package=<4>
{{{
    Begin Project Dependency
    Project_Dep_Name tpcc_com_ps
    End Project Dependency

```

```

    Begin Project Dependency
    Project_Dep_Name tpcc_com_all
    End Project Dependency
  }}}
#####
Project: "tm_encina_dll"=.\tm_encina_dll\tm_encina_dll.dsp - Package Owner=<4>

Package=<5>
{{{
}}}

Package=<4>
{{{
}}}

#####
Project: "tm_tuxedo_dll"=.\tm_tuxedo_dll\tm_tuxedo_dll.dsp - Package Owner=<4>

Package=<5>
{{{
}}}

Package=<4>
{{{
}}}

#####
Project: "tpcc_com_all"=.\tpcc_com_all\tppcc_com_all.dsp - Package Owner=<4>

Package=<5>
{{{
}}}

Package=<4>
{{{
  Begin Project Dependency
  Project_Dep_Name tpcc_com_ps
  End Project Dependency
}}}

#####
Project: "tpcc_com_ps"=.\tpcc_com_ps\tppcc_com_ps.dsp - Package Owner=<4>

Package=<5>
{{{
}}}

Package=<4>
{{{
}}}

#####
Project: "tuxapp"=.\tuxapp\tuxapp.dsp - Package Owner=<4>

Package=<5>
{{{
}}}

```

```

Package=<4>
{{{
  Begin Project Dependency
  Project_Dep_Name db_dblib_dll
  End Project Dependency
  Begin Project Dependency
  Project_Dep_Name db_odbc_dll
  End Project Dependency
}}}

#####

Global:

Package=<5>
{{{
}}}

Package=<3>
{{{
}}}

#####

```

Appendix B: Database Design

The TPC-C database was created with the following Transact-SQL scripts:

backup.sql

```
-- File:      BACKUP.SQL
--           Microsoft TPC-C Benchmark Kit Ver. 4.20
--           Copyright Microsoft, 1999
-- Purpose:   Creates backup of tpcc database

declare @startdate datetime
declare @enddate datetime
select @startdate = getdate()
select "Start date:", convert(varchar(30),@startdate,9)

dump database tpcc to tpccback1, tpccback2, tpccback3, tpccback4 with init, stats =
1, blocksize=4096

select @enddate = getdate()
select "End date: ", convert(varchar(30),@enddate,9)
select "Elapsed time (in seconds): ", datediff(second, @startdate, @enddate)

go
```

backupdev.sql

```
-- File:      BACKUPDEVB.SQL
--           Microsoft TPC-C Benchmark Kit Ver. 4.20
--           Copyright Microsoft, 1999
-- Purpose:   Creates tpcc database Backup Devices

use master
go

-- create backup devices

exec sp_addumpdevice 'disk','tpccback1','Y:\tpccback1.dmp'
exec sp_addumpdevice 'disk','tpccback2','Y:\tpccback2.dmp'
exec sp_addumpdevice 'disk','tpccback3','Z:\tpccback3.dmp'
exec sp_addumpdevice 'disk','tpccback4','Z:\tpccback4.dmp'
go
```

createdb.sql

```
-- File:      CREATEDB.SQL
--           Microsoft TPC-C Benchmark Kit Ver. 4.20
```

```
--           Copyright Microsoft, 1999
-- Purpose:   Creates tpcc database and backup files

use master
go

-- Create temporary table for timing

if exists ( select name from sysobjects where name = 'tpcc_timer' )
drop table tpcc_timer
go

create table tpcc_timer
(
    start_date          char(30),
    end_date            char(30)
)

insert into tpcc_timer values (0,0)
go

-- Store starting time

update tpcc_timer
set start_date = (select convert(char(30), getdate(),9))
go

-- create main database files

CREATE DATABASE tpcc
ON PRIMARY
(
    NAME          = MSSQL70_tpcc_root,
    FILENAME      = "T:\MSSQL70_tpcc_root.mdf",
    SIZE          = 8MB,
    FILEGROWTH    = 0),
FILEGROUP misc_fg
(
    NAME          = misc1,
    FILENAME      = "J:",
    SIZE          = 20000MB,
    FILEGROWTH    = 0),
(
    NAME          = misc2,
    FILENAME      = "K:",
    SIZE          = 20000MB,
    FILEGROWTH    = 0),
(
    NAME          = misc3,
    FILENAME      = "L:",
    SIZE          = 20000MB,
    FILEGROWTH    = 0),
(
    NAME          = misc4,
    FILENAME      = "M:",
    SIZE          = 20000MB,
    FILEGROWTH    = 0),
FILEGROUP big_fg
(
    NAME          = big1,
    FILENAME      = "F:",
    SIZE          = 30500MB,
    FILEGROWTH    = 0),
(
    NAME          = big2,
    FILENAME      = "G:",
    SIZE          = 30500MB,
    FILEGROWTH    = 0),
(
    NAME          = big3,
```

```

        FILENAME = "H:",
        SIZE      = 30500MB,
        FILEGROWTH = 0),
    (
        NAME      = big4,
        FILENAME = "I:",
        SIZE      = 30500MB,
        FILEGROWTH = 0)
LOG ON
(
    NAME      =MSSQL70_tpcc_log,
    FILENAME = "E:",
    SIZE      =60000MB,
    FILEGROWTH =0)
go

-- Store ending time
update tpcc_timer
set end_date = (select convert(char(30), getdate(),9))
go

select "Elapsed time (in seconds): ", datediff(second,(select start_date from
tpcc_timer),(select end_date from tpcc_timer))

-- remove temporary table

if exists ( select name from sysobjects where name = 'tpcc_timer' )
drop table tpcc_timer
go

```

dbopt1.sql

```

-- File:      DBOPT1.SQL
--            Microsoft TPC-C Benchmark Kit Ver. 4.10
--            Copyright Microsoft, 1999
-- Purpose:   Sets database options for data load

use master
go

exec sp_dboption tpcc,'select into/bulkcopy',true
exec sp_dboption tpcc,'trunc. log on chkpt.',true
exec sp_dboption tpcc,'torn page detection',false
go

use tpcc
go

checkpoint
go

```

dbopt2.sql

```

-- File:      DBOPT2_SHILOH.SQL
--            Microsoft TPC-C Benchmark Kit Ver. 4.10a
--            Copyright Microsoft, 1999
-- Purpose:   Resets database options after data load (For Shiloh)

```

```

use master
go

sp_dboption tpcc,'select ',false
go

sp_dboption tpcc,'trunc. ',false
go

use tpcc
go

checkpoint
go

sp_configure allow,1
go

reconfigure with override
go

/*
/* Set option values for user-defined indexes */
*/

sp_indexoption 't_customer', 'DisallowPageLocks', TRUE
go
sp_indexoption 't_district', 'DisallowPageLocks', TRUE
go
sp_indexoption 't_warehouse', 'DisallowPageLocks', TRUE
go
sp_indexoption 't_stock', 'DisallowPageLocks', TRUE
go
sp_indexoption 't_order_line', 'DisallowRowLocks', TRUE
go
sp_indexoption 't_orders', 'DisallowRowLocks', TRUE
go
sp_indexoption 't_new_order', 'DisallowRowLocks', TRUE
go
sp_indexoption 't_item', 'DisallowRowLocks', TRUE
go
sp_indexoption 't_item', 'DisallowPageLocks', TRUE
go

Print ' '
Print '*****'
Print 'Pre-specified Locking Hierarchy:'
Print ' Lockflag = 0 ==> No pre-specified hierarchy'
Print ' Lockflag = 1 ==> Lock at Page-level then Table-level'
Print ' Lockflag = 2 ==> Lock at Row-level then Table-level'
Print ' Lockflag = 3 ==> Lock at Table-level'
Print ' '

select name,lockflags
from sysindexes
where object_id("t_warehouse") = id or
      object_id("t_district") = id or
      object_id("t_customer") = id or
      object_id("t_stock") = id or
      object_id("t_orders") = id or
      object_id("t_order_line") = id or

```

```

        object_id("t_history")          = id or
        object_id("t_new_order")       = id or
        object_id("t_item")            = id
order  by lockflags asc
go

sp_configure allow,0
go

reconfigure with override
go

exec sp_dboption tpcc,          'auto update statistics',    FALSE
exec sp_dboption tpcc,          'auto create statistics',   FALSE
go

exec sp_tableoption "t_district",    "pintable",true
exec sp_tableoption "t_warehouse",  "pintable",true
exec sp_tableoption "t_new_order",   "pintable",true
exec sp_tableoption "t_item",        "pintable",true
go

```

idxcuscl.sql

```

-- File:      IDXCUSCL.SQL
--            Microsoft TPC-C Benchmark Kit Ver. 4.10
--            Copyright Microsoft, 1999
-- Purpose:   Creates clustered index on customer table

set ANSI_DEFAULTS on
set IMPLICIT_TRANSACTIONS off
set QUOTED_IDENTIFIER off
go

use tpcc
go

declare @startdate datetime
declare @enddate datetime
select @startdate = getdate()
select "Start date:", convert(varchar(30),@startdate,9)

if exists (select o.name from sysconstraints c, sysobjects o
where c.id = object_id('t_customer') and c.constid = o.id and o.name =
'customer_c1PK' )
    alter table t_customer drop constraint customer_c1PK

alter table t_customer add constraint customer_c1PK primary key clustered (c_w_id,
c_d_id, c_id)
    on big_fg

select @enddate = getdate()
select "End date: ", convert(varchar(30),@enddate,9)
select "Elapsed time (in seconds): ", datediff(second, @startdate, @enddate)

go

```

idxcusnc.sql

```

-- File:      IDXCUSNC.SQL

```

```

--            Microsoft TPC-C Benchmark Kit Ver. 4.10
--            Copyright Microsoft, 1999
-- Purpose:   Creates non-clustered index on customer table

set ANSI_DEFAULTS on
set IMPLICIT_TRANSACTIONS off
set QUOTED_IDENTIFIER off
go

use tpcc
go

declare @startdate datetime
declare @enddate datetime
select @startdate = getdate()
select "Start date:", convert(varchar(30),@startdate,9)

if exists ( select name from sysindexes where name = 'customer_nc1' )
    drop index t_customer.customer_nc1

create unique nonclustered index customer_nc1 on t_customer(c_w_id, c_d_id, c_last,
c_first, c_id)
    on big_fg

select @enddate = getdate()
select "End date: ", convert(varchar(30),@enddate,9)
select "Elapsed time (in seconds): ", datediff(second, @startdate, @enddate)

go

```

idxdiscl.sql

```

-- File:      IDXDISCL.SQL
--            Microsoft TPC-C Benchmark Kit Ver. 4.10
--            Copyright Microsoft, 1999
-- Purpose:   Creates clustered index on district table

set ANSI_DEFAULTS on
set IMPLICIT_TRANSACTIONS off
set QUOTED_IDENTIFIER off
go

use tpcc
go

declare @startdate datetime
declare @enddate datetime
select @startdate = getdate()
select "Start date:", convert(varchar(30),@startdate,9)

if exists (select o.name from sysconstraints c, sysobjects o
where c.id = object_id('t_district') and c.constid = o.id and o.name =
'district_c1PK' )
    alter table t_district drop constraint district_c1PK

alter table t_district add constraint district_c1PK primary key clustered (d_w_id,
d_id)
    with fillfactor=100
    on misc_fg

```

```

select @enddate = getdate()
select "End date: ", convert(varchar(30),@enddate,9)
select "Elapsed time (in seconds): ", datediff(second, @startdate, @enddate)

go

```

idxitmcl.sql

```

-- File:      IDXITMCL.SQL
--           Microsoft TPC-C Benchmark Kit Ver. 4.10
--           Copyright Microsoft, 1999
-- Purpose:   Creates clustered index on item table

set ANSI_DEFAULTS on
set IMPLICIT_TRANSACTIONS off
set QUOTED_IDENTIFIER off
go

use tpcc
go

declare @startdate datetime
declare @enddate datetime
select @startdate = getdate()
select "Start date:", convert(varchar(30),@startdate,9)

if exists ( select name from sysindexes where name = 'item_c1' )
    drop index t_item.item_c1

create unique clustered index item_c1 on t_item(i_id)
    on misc_fg

select @enddate = getdate()
select "End date: ", convert(varchar(30),@enddate,9)
select "Elapsed time (in seconds): ", datediff(second, @startdate, @enddate)

go

```

idxnodcl.sql

```

-- File:      IDXNODCL.SQL
--           Microsoft TPC-C Benchmark Kit Ver. 4.10
--           Copyright Microsoft, 1999
-- Purpose:   Creates clustered index on new_order table

set ANSI_DEFAULTS on
set IMPLICIT_TRANSACTIONS off
set QUOTED_IDENTIFIER off
go

use tpcc
go

declare @startdate datetime
declare @enddate datetime
select @startdate = getdate()
select "Start date:", convert(varchar(30),@startdate,9)

if exists (select o.name from sysconstraints c, sysobjects o

```

```

where c.id = object_id('t_new_order') and c.constid = o.id and o.name =
't_new_order_c1PK' )
    alter table t_new_order drop constraint new_order_c1PK

```

```

alter table t_new_order add constraint new_order_c1PK primary key clustered
(no_w_id, no_d_id, no_o_id)
on misc_fg

```

```

select @enddate = getdate()
select "End date: ", convert(varchar(30),@enddate,9)
select "Elapsed time (in seconds): ", datediff(second, @startdate, @enddate)

```

```
go
```

idxodlcl.sql

```

-- File:      IDXODLCL.SQL
--           Microsoft TPC-C Benchmark Kit Ver. 4.10
--           Copyright Microsoft, 1999
-- Purpose:   Creates clustered index on order_line table

```

```

set ANSI_DEFAULTS on
set IMPLICIT_TRANSACTIONS off
set QUOTED_IDENTIFIER off
go

```

```
use tpcc
go
```

```

declare @startdate datetime
declare @enddate datetime
select @startdate = getdate()
select "Start date:", convert(varchar(30),@startdate,9)

```

```

if exists (select o.name from sysconstraints c, sysobjects o
where c.id = object_id('t_order_line') and c.constid = o.id and o.name =
'order_line_c1PK' )
    alter table t_order_line drop constraint order_line_c1PK

```

```

alter table t_order_line add constraint order_line_c1PK primary key clustered
(ol_w_id, ol_d_id, ol_o_id, ol_number)
on misc_fg

```

```

select @enddate = getdate()
select "End date: ", convert(varchar(30),@enddate,9)
select "Elapsed time (in seconds): ", datediff(second, @startdate, @enddate)

```

```
go
```

idxordcl.sql

```

-- File:      IDXORDCL.SQL
--           Microsoft TPC-C Benchmark Kit Ver. 4.10
--           Copyright Microsoft, 1999
-- Purpose:   Creates clustered index on orders table

```

```

set ANSI_DEFAULTS on
set IMPLICIT_TRANSACTIONS off

```



```

set QUOTED_IDENTIFIER off
go

use tpcc
go

declare @startdate datetime
declare @enddate datetime
select @startdate = getdate()
select "Start date:", convert(varchar(30),@startdate,9)

if exists (select o.name from sysconstraints c, sysobjects o
where c.id = object_id('t_orders') and c.constid = o.id and o.name = 'orders_c1PK' )
    alter table t_orders drop constraint orders_c1PK

alter table t_orders add constraint orders_c1PK primary key clustered (o_w_id,
o_d_id, o_id)
    on misc_fg

select @enddate = getdate()
select "End date: ", convert(varchar(30),@enddate,9)
select "Elapsed time (in seconds): ", datediff(second, @startdate, @enddate)

go

```

idxordnc.sql

```

-- File:      IDXORDNC.SQL
--           Microsoft TPC-C Benchmark Kit Ver. 4.10
--           Copyright Microsoft, 1999
-- Purpose:   Creates non-clustered index on orders table

set ANSI_DEFAULTS on
set IMPLICIT_TRANSACTIONS off
set QUOTED_IDENTIFIER off
go

use tpcc
go

declare @startdate datetime
declare @enddate datetime
select @startdate = getdate()
select "Start date:", convert(varchar(30),@startdate,9)

if exists ( select name from sysindexes where name = 'orders_nc1' )
    drop index t_orders.orders_nc1

create index orders_nc1 on t_orders(o_w_id, o_d_id, o_c_id, o_id)
    on misc_fg

select @enddate = getdate()
select "End date: ", convert(varchar(30),@enddate,9)
select "Elapsed time (in seconds): ", datediff(second, @startdate, @enddate)

go

```

idxstkcl.sql

```

-- File:      IDXSTKCL.SQL
--           Microsoft TPC-C Benchmark Kit Ver. 4.10
--           Copyright Microsoft, 1999
-- Purpose:   Creates clustered index on stock table

set ANSI_DEFAULTS on
set IMPLICIT_TRANSACTIONS off
set QUOTED_IDENTIFIER off
go

use tpcc
go

declare @startdate datetime
declare @enddate datetime
select @startdate = getdate()
select "Start date:", convert(varchar(30),@startdate,9)

if exists (select o.name from sysconstraints c, sysobjects o
where c.id = object_id('t_stock') and c.constid = o.id and o.name = 'stock_c1PK' )
    alter table t_stock drop constraint stock_c1PK

alter table t_stock add constraint stock_c1PK primary key clustered (s_i_id, s_w_id)
    on big_fg

select @enddate = getdate()
select "End date: ", convert(varchar(30),@enddate,9)
select "Elapsed time (in seconds): ", datediff(second, @startdate, @enddate)

go

```

idxwarcl.sql

```

-- File:      IDXWARCL.SQL
--           Microsoft TPC-C Benchmark Kit Ver. 4.10
--           Copyright Microsoft, 1999
-- Purpose:   Creates clustered index on warehouse table

set ANSI_DEFAULTS on
set IMPLICIT_TRANSACTIONS off
set QUOTED_IDENTIFIER off
go

use tpcc
go

declare @startdate datetime
declare @enddate datetime
select @startdate = getdate()
select "Start date:", convert(varchar(30),@startdate,9)

if exists (select o.name from sysconstraints c, sysobjects o
where c.id = object_id('t_warehouse') and c.constid = o.id and o.name =
'warehouse_c1PK' )
    alter table t_warehouse drop constraint warehouse_c1PK

alter table t_warehouse add constraint warehouse_c1PK primary key clustered (w_id)

```

```

        with fillfactor=100
        on misc_fg

select @enddate = getdate()
select "End date: ", convert(varchar(30),@enddate,9)
select "Elapsed time (in seconds): ", datediff(second, @startdate, @enddate)

go

```

delivery.sql

```

-- File:      DELIVERY.SQL
--           Microsoft TPC-C Benchmark Kit Ver. 4.10
--           Copyright Microsoft, 1999
-- Purpose:   Creates delivery transaction stored procedure

```

```

set ANSI_DEFAULTS on
set IMPLICIT_TRANSACTIONS off
go

```

```

use tpcc
go

```

```

if exists (select name from sysobjects where name = 'tpcc_delivery' )
    drop procedure tpcc_delivery
go

```

```

create proc tpcc_delivery    @w_id            int,
                             @o_carrier_id  smallint
as

```

```

declare @d_id    tinyint,
        @o_id    int,
        @c_id    int,
        @total   numeric(12,2),
        @oid1    int,
        @oid2    int,
        @oid3    int,
        @oid4    int,
        @oid5    int,
        @oid6    int,
        @oid7    int,
        @oid8    int,
        @oid9    int,
        @oid10   int,
        @time    datetime

```

```

begin tran d

```

```

    select    @d_id = 0,
             @time = getdate()

```

```

    while (@d_id < 10)
    begin

```

```

        select    @d_id = @d_id + 1,
                 @total = 0,
                 @o_id = 0
    end

```

```

        select    top 1
                 @o_id    = no_o_id
        from      new_order (serializable uplock)
        where     no_w_id  = @w_id and
                 no_d_id  = @d_id
        order     by no_o_id asc

```

```

        if (@@rowcount <> 0)
        begin

```

```

-- claim the order for this district

```

```

        delete    new_order
        where     no_w_id  = @w_id and
                 no_d_id  = @d_id and
                 no_o_id  = @o_id

```

```

-- set carrier_id on this order (and get customer id)

```

```

        update    orders
        set       o_carrier_id    = @o_carrier_id,
                 @c_id           = o_c_id
        where     o_w_id          = @w_id and
                 o_d_id          = @d_id and
                 o_id            = @o_id

```

```

-- set date in all lineitems for this order (and sum amounts)

```

```

        update    order_line
        set       ol_delivery_d    = @time,
                 @total           = @total + ol_amount
        where     ol_w_id          = @w_id and
                 ol_d_id          = @d_id and
                 ol_o_id          = @o_id

```

```

-- accumulate lineitem amounts for this order into customer

```

```

        update    customer
        set       c_balance = c_balance + @total,
                 c_delivery_cnt = c_delivery_cnt + 1
        where     c_w_id          = @w_id and
                 c_d_id          = @d_id and
                 c_id            = @c_id

```

```

    end

```

```

    select @oid1 = case @d_id when 1 then @o_id else @oid1 end,
           @oid2 = case @d_id when 2 then @o_id else @oid2 end,
           @oid3 = case @d_id when 3 then @o_id else @oid3 end,
           @oid4 = case @d_id when 4 then @o_id else @oid4 end,
           @oid5 = case @d_id when 5 then @o_id else @oid5 end,
           @oid6 = case @d_id when 6 then @o_id else @oid6 end,
           @oid7 = case @d_id when 7 then @o_id else @oid7 end,
           @oid8 = case @d_id when 8 then @o_id else @oid8 end,
           @oid9 = case @d_id when 9 then @o_id else @oid9 end,
           @oid10 = case @d_id when 10 then @o_id else @oid10 end

```

```

end

```

```

commit tran d

```

```
-- return delivery data to client
```

```
select @oid1,
       @oid2,
       @oid3,
       @oid4,
       @oid5,
       @oid6,
       @oid7,
       @oid8,
       @oid9,
       @oid10
```

```
go
```

neword.sql

```
-- File:      NEWORD.SQL
--           Microsoft TPC-C Benchmark Kit Ver. 4.30.000
--           Copyright Microsoft, 1999
-- Purpose:   Creates new order transaction stored procedure
--
--           Interface Level: 4.10.000
```

```
set ANSI_DEFAULTS on
set IMPLICIT_TRANSACTIONS off
go
```

```
use tpcc
go
```

```
if exists ( select name from sysobjects where name = 'tpcc_neworder' )
    drop procedure tpcc_neworder
go
```

```
create proc tpcc_neworder
```

```

       @w_id      int,
       @d_id      tinyint,
       @c_id      int,
       @o_ol_cnt  tinyint,
       @o_all_local tinyint,
       @i_id1 int = 0, @s_w_id1 int =
0, @ol_qty1 smallint = 0,
       @i_id2 int = 0, @s_w_id2 int =
0, @ol_qty2 smallint = 0,
       @i_id3 int = 0, @s_w_id3 int =
0, @ol_qty3 smallint = 0,
       @i_id4 int = 0, @s_w_id4 int =
0, @ol_qty4 smallint = 0,
       @i_id5 int = 0, @s_w_id5 int =
0, @ol_qty5 smallint = 0,
       @i_id6 int = 0, @s_w_id6 int =
0, @ol_qty6 smallint = 0,
       @i_id7 int = 0, @s_w_id7 int =
0, @ol_qty7 smallint = 0,
       @i_id8 int = 0, @s_w_id8 int =
0, @ol_qty8 smallint = 0,
       @i_id9 int = 0, @s_w_id9 int =
0, @ol_qty9 smallint = 0,
       @i_id10 int = 0, @s_w_id10 int =
0, @ol_qty10 smallint = 0,
```

```

       @i_id11 int = 0, @s_w_id11 int =
0, @ol_qty11 smallint = 0,
       @i_id12 int = 0, @s_w_id12 int =
0, @ol_qty12 smallint = 0,
       @i_id13 int = 0, @s_w_id13 int =
0, @ol_qty13 smallint = 0,
       @i_id14 int = 0, @s_w_id14 int =
0, @ol_qty14 smallint = 0,
       @i_id15 int = 0, @s_w_id15 int =
0, @ol_qty15 smallint = 0
```

```
as
declare @w_tax      numeric(4,4),
        @d_tax      numeric(4,4),
        @c_last     char(16),
        @c_credit   char(2),
        @c_discount numeric(4,4),
        @i_price    numeric(5,2),
        @i_name     char(24),
        @i_data     char(50),
        @o_entry_d  datetime,
        @remote_flag int,
        @s_quantity smallint,
        @s_data     char(50),
        @s_dist     char(24),
        @li_no      int,
        @o_id       int,
        @commit_flag tinyint,
        @li_id      int,
        @li_s_w_id int,
        @li_qty     smallint,
        @ol_number  int,
        @c_id_local int
```

```
begin
```

```
begin transaction n
```

```
-- get district tax and next available order id and update
-- plus initialize local variables
```

```
update district
set   @d_tax      = d_tax,
      @o_id       = d_next_o_id,
      d_next_o_id = d_next_o_id + 1,
      @li_no      = 0,
      @commit_flag = 1
where d_w_id = @w_id and
      d_id   = @d_id
```

```
-- process orderlines
```

```
while (@li_no < @o_ol_cnt)
begin
```

```
    select @li_no = @li_no + 1
```

```
-- set i_id, s_w_id, and qty for this lineitem
```

```
select @li_id = case @li_no
                when 1 then @i_id1
                when 2 then @i_id2
```

```

                when 3 then @i_id3
                when 4 then @i_id4
                when 5 then @i_id5
                when 6 then @i_id6
                when 7 then @i_id7
                when 8 then @i_id8
                when 9 then @i_id9
                when 10 then @i_id10
                when 11 then @i_id11
                when 12 then @i_id12
                when 13 then @i_id13
                when 14 then @i_id14
                when 15 then @i_id15
            end,

    @li_s_w_id = case @li_no
                when 1 then @s_w_id1
                when 2 then @s_w_id2
                when 3 then @s_w_id3
                when 4 then @s_w_id4
                when 5 then @s_w_id5
                when 6 then @s_w_id6
                when 7 then @s_w_id7
                when 8 then @s_w_id8
                when 9 then @s_w_id9
                when 10 then @s_w_id10
                when 11 then @s_w_id11
                when 12 then @s_w_id12
                when 13 then @s_w_id13
                when 14 then @s_w_id14
                when 15 then @s_w_id15
            end,

    @li_qty = case @li_no
                when 1 then @ol_qty1
                when 2 then @ol_qty2
                when 3 then @ol_qty3
                when 4 then @ol_qty4
                when 5 then @ol_qty5
                when 6 then @ol_qty6
                when 7 then @ol_qty7
                when 8 then @ol_qty8
                when 9 then @ol_qty9
                when 10 then @ol_qty10
                when 11 then @ol_qty11
                when 12 then @ol_qty12
                when 13 then @ol_qty13
                when 14 then @ol_qty14
                when 15 then @ol_qty15
            end

-- get item data (no one updates item)

        select @i_price = i_price,
                @i_name = i_name,
                @i_data = i_data
        from item (tablock repeatableread)
        where i_id = @li_id

-- update stock values

        update stock
        set s_ytd = s_ytd + @li_qty,
```

```

                @s_quantity = s_quantity = s_quantity -
    @li_qty +
    (s_quantity - @li_qty < 10) then 91 else 0 end,
    s_order_cnt
    s_remote_cnt
    (@li_s_w_id = @w_id) then 0 else 1 end,
    @s_data
    @s_dist
                = s_quantity -
                case when
                = s_order_cnt + 1,
                = s_remote_cnt + case when
                = s_data,
                = case @d_id
                    when 1 then s_dist_01
                    when 2 then s_dist_02
                    when 3 then s_dist_03
                    when 4 then s_dist_04
                    when 5 then s_dist_05
                    when 6 then s_dist_06
                    when 7 then s_dist_07
                    when 8 then s_dist_08
                    when 9 then s_dist_09
                    when 10 then s_dist_10
                end
                where s_i_id = @li_id and
                    s_w_id = @li_s_w_id

-- if there actually is a stock (and item) with these ids, go to work

        if (@@rowcount > 0)
        begin

-- insert order_line data (using data from item and stock)

                insert into order_line values(@o_id,
                                                    @d_id,
                                                    @w_id,
                                                    @li_no,
                                                    @li_id,
                                                    @li_s_w_id,
                                                    'dec 31, 1899',
                                                    @li_qty,
                                                    @i_price *
                                                    @i_qty,
                                                    @s_dist)

-- send line-item data to client

                select @i_name,
                       @s_quantity,
                       case when ( (patindex('%ORIGINAL%',@i_data)
                > 0) and
                (patindex('%ORIGINAL%',@s_data) > 0) )
                then 'B' else 'G' end,
                @i_price,
                @i_price * @li_qty
        end
        else
        begin

-- no item (or stock) found - triggers rollback condition

                select '',0,',0,0
                select @commit_flag = 0
```

```

        end
    end
end
end

-- get customer last name, discount, and credit rating
select  @c_last    = c_last,
        @c_discount = c_discount,
        @c_credit   = c_credit,
        @c_id_local = c_id,
        @o_entry_d  = getdate()
from    customer (repeatableread)
where   c_id        = @c_id and
        c_w_id      = @w_id and
        c_d_id      = @d_id

-- insert fresh row into orders table
insert into orders values ( @o_id,
                            @d_id,
                            @w_id,
                            @c_id_local,
                            @o_entry_d,
                            0,
                            @o_ol_cnt,
                            @o_all_local)

-- insert corresponding row into new-order table
insert into new_order values ( @o_id,
                               @d_id,
                               @w_id)

-- select warehouse tax
select  @w_tax    = w_tax
from    warehouse (repeatableread)
where   w_id      = @w_id

if (@commit_flag = 1)
    commit transaction n
else
    rollback transaction n

-- all that work for nuthin!!!

-- return order data to client
select  @w_tax,
        @d_tax,
        @o_id,
        @c_last,
        @c_discount,
        @c_credit,
        @o_entry_d,
        @commit_flag
end
go

```

ordstat.sql

```

-- File:      ORDSTAT.SQL
--           Microsoft TPC-C Benchmark Kit Ver. 4.10
--           Copyright Microsoft, 1999
-- Purpose:   Creates order status transaction stored procedure

set ANSI_DEFAULTS on
set IMPLICIT_TRANSACTIONS off
go

use tpcc
go

if exists ( select name from sysobjects where name = 'tpcc_orderstatus' )
    drop procedure    tpcc_orderstatus
go

create proc tpcc_orderstatus @w_id    int,
                            @d_id    tinyint,
                            @c_id    int,
                            @c_last  char(16) = ''

as

declare @c_balance    numeric(12,2),
        @c_first     char(16),
        @c_middle    char(2),
        @o_id        int,
        @o_entry_d    datetime,
        @o_carrier_id smallint,
        @cnt         smallint

begin tran o

if (@c_id = 0)
    begin

-- get customer id and info using last name

        select  @cnt      = (count(*)+1)/2
        from    customer (repeatableread)
        where   c_last    = @c_last and
                c_w_id    = @w_id and
                c_d_id    = @d_id

        set     rowcount @cnt

        select  @c_id      = c_id,
                @c_balance = c_balance,
                @c_first   = c_first,
                @c_last    = c_last,
                @c_middle  = c_middle
        from    customer (repeatableread)
        where   c_last     = @c_last and
                c_w_id     = @w_id and
                c_d_id     = @d_id

        order  by c_w_id, c_d_id, c_last, c_first

        set     rowcount 0

    end
end

```

```

else
begin
-- get customer info if by id
select  @c_balance      = c_balance,
        @c_first       = c_first,
        @c_middle     = c_middle,
        @c_last        = c_last
from    customer (repeatableread)
where   c_id           = @c_id and
        c_d_id        = @d_id and
        c_w_id        = @w_id

select  @cnt           = @@rowcount

end

-- if no such customer
if (@cnt = 0)
begin
raiserror('Customer not found',18,1)
goto custnotfound
end

-- get order info
select  @o_id          = o_id,
        @o_entry_d     = o_entry_d,
        @o_carrier_id  = o_carrier_id
from    orders (serializable)
where   o_c_id         = @c_id and
        o_d_id        = @d_id and
        o_w_id        = @w_id

order  by o_id asc

-- select order lines for the current order
select  ol_supply_w_id,
        ol_i_id,
        ol_quantity,
        ol_amount,
        ol_delivery_d
from    order_line (repeatableread)
where   ol_o_id = @o_id and
        ol_d_id = @d_id and
        ol_w_id = @w_id

custnotfound:

commit tran o

-- return data to client
select  @c_id,
        @c_last,
        @c_first,
        @c_middle,
        @o_entry_d,
        @o_carrier_id,

```

```

@c_balance,
@o_id

```

```
go
```

payment.sql

```

-- File:      PAYMENT.SQL
--           Microsoft TPC-C Benchmark Kit Ver. 4.10
--           Copyright Microsoft, 1999
-- Purpose:   Creates payment transaction stored procedure

set ANSI_DEFAULTS on
set IMPLICIT_TRANSACTIONS off
go

use tpcc
go

if exists (select name from sysobjects where name = 'tpcc_payment' )
drop procedure tpcc_payment
go

create proc tpcc_payment      @w_id          int,
                             @c_w_id       int,
                             @h_amount     numeric(6,2),
                             @d_id        tinyint,
                             @c_d_id      tinyint,
                             @c_id        int,
                             @c_last      char(16) = ''

as
declare @w_street_1 char(20),
        @w_street_2 char(20),
        @w_city     char(20),
        @w_state    char(2),
        @w_zip      char(9),
        @w_name     char(10),
        @d_street_1 char(20),
        @d_street_2 char(20),
        @d_city     char(20),
        @d_state    char(2),
        @d_zip      char(9),
        @d_name     char(10),
        @c_first    char(16),
        @c_middle   char(2),
        @c_street_1 char(20),
        @c_street_2 char(20),
        @c_city     char(20),
        @c_state    char(2),
        @c_zip      char(9),
        @c_phone    char(16),
        @c_since    datetime,
        @c_credit   char(2),
        @c_credit_lim numeric(12,2),
        @c_balance  numeric(12,2),
        @c_discount numeric(4,4),
        @data       char(500),
        @c_data     char(500),
        @datetime   datetime,

```

```

        @w_ytd          numeric(12,2),
        @d_ytd          numeric(12,2),
        @cnt            smallint,
        @val            smallint,
        @screen_data    char(200),
        @d_id_local     tinyint,
        @w_id_local     int,
        @c_id_local     int

select @screen_data = ''

begin tran p

-- get payment date

        select    @datetime = getdate()

        if (@c_id = 0)
        begin

-- get customer id and info using last name

                select top 1 @c_id = c_id
                from (
                        select top 50 percent c_id, c_first
                        from customer (repeatableread)
                        where    c_last    = @c_last and
                               c_w_id    = @c_w_id and
                               c_d_id    = @c_d_id
                        order by c_first
                ) top_fifty
                order by c_first desc
        end

-- get customer info and update balances

        update    customer
        set        @c_balance      = c_balance = c_balance - @h_amount,
                  c_payment_cnt   = c_payment_cnt + 1,
                  c_ytd_payment   = c_ytd_payment + @h_amount,
                  @c_first = c_first,
                  @c_middle = c_middle,
                  @c_last      = c_last,
                  @c_street_1  = c_street_1,
                  @c_street_2  = c_street_2,
                  @c_city      = c_city,
                  @c_state    = c_state,
                  @c_zip      = c_zip,
                  @c_phone    = c_phone,
                  @c_credit   = c_credit,
                  @c_credit_lim = c_credit_lim,
                  @c_discount = c_discount,
                  @c_since   = c_since,
                  @data      = c_data,
                  @c_id_local = c_id
        where     c_id      = @c_id and
                  c_w_id    = @c_w_id and
                  c_d_id    = @c_d_id

-- if customer has bad credit get some more info

        if (@c_credit = 'BC')
        begin

```

```

-- compute new info

                select @c_data      = convert(char(5),@c_id) +
                                       convert(char(4),@c_d_id) +
                                       convert(char(5),@c_w_id) +
                                       convert(char(4),@d_id) +
                                       convert(char(5),@w_id) +
                                       convert(char(19),@h_amount) +
                                       substring(@data, 1, 458)

-- update customer info

        update    customer
        set        c_data      = @c_data
        where     c_id      = @c_id and
                  c_w_id    = @c_w_id and
                  c_d_id    = @c_d_id

        end

        select    @screen_data = substring (@c_data,1,200)

-- get district data and update year-to-date

        update    district
        set        d_ytd      = d_ytd + @h_amount,
                  @d_street_1 = d_street_1,
                  @d_street_2 = d_street_2,
                  @d_city     = d_city,
                  @d_state   = d_state,
                  @d_zip     = d_zip,
                  @d_name    = d_name,
                  @d_id_local = d_id
        where     d_w_id    = @w_id and
                  d_id     = @d_id

-- get warehouse data and update year-to-date

        update    warehouse
        set        w_ytd      = w_ytd + @h_amount,
                  @w_street_1 = w_street_1,
                  @w_street_2 = w_street_2,
                  @w_city     = w_city,
                  @w_state   = w_state,
                  @w_zip     = w_zip,
                  @w_name    = w_name,
                  @w_id_local = w_id
        where     w_id     = @w_id

-- create history record

        insert into history values ( @c_id_local,
                                     @c_d_id,
                                     @c_w_id,
                                     @d_id_local,
                                     @w_id_local,
                                     @datetime,
                                     @h_amount,
                                     @w_name + ' ' + @d_name)

commit tran p

-- return data to client

```

```

select  @c_id,
        @c_last,
        @datetime,
        @w_street_1,
        @w_street_2,
        @w_city,
        @w_state,
        @w_zip,
        @d_street_1,
        @d_street_2,
        @d_city,
        @d_state,
        @d_zip,
        @c_first,
        @c_middle,
        @c_street_1,
        @c_street_2,
        @c_city,
        @c_state,
        @c_zip,
        @c_phone,
        @c_since,
        @c_credit,
        @c_credit_lim,
        @c_discount,
        @c_balance,
        @screen_data

```

go

stocklev.sql

```

-- File:      STOCKLEV.SQL
--            Microsoft TPC-C Benchmark Kit Ver. 4.10
--            Copyright Microsoft, 1999
-- Purpose:   Creates stock level transaction stored procedure

```

```

set ANSI_DEFAULTS on
set IMPLICIT_TRANSACTIONS off
go

```

```

use tpcc
go

```

```

if exists (select name from sysobjects where name = 'tpcc_stocklevel' )
    drop procedure tpcc_stocklevel
go

```

```

create proc tpcc_stocklevel  @w_id          int,
                             @d_id          tinyint,
                             @threshold    smallint
as

```

```

declare  @o_id_low int,
         @o_id_high int

```

```

select  @o_id_low = (d_next_o_id - 20),
        @o_id_high = (d_next_o_id - 1)
from    district
where   d_w_id      = @w_id and
        d_id        = @d_id

```

```

select  count(distinct(s_i_id))
from    stock, order_line
where   ol_w_id      = @w_id and
        ol_d_id      = @d_id and
        ol_o_id      between @o_id_low and
                        @o_id_high and
        s_w_id        = ol_w_id and
        s_i_id        = ol_i_id and
        s_quantity    < @threshold
option (order group)

```

go

version.sql

```

-- File:      VERSION.SQL
--            Microsoft TPC-C Benchmark Kit Ver. 4.10
--            Copyright Microsoft, 1999
-- Purpose:   Returns version level of TPC-C stored procs
-- Note:     Always update the return value of this proc for
--            any interface changes or 'must have' bug fixes.

```

```

set ANSI_DEFAULTS on
set IMPLICIT_TRANSACTIONS off
go

```

```

use tpcc
go

```

```

if exists ( select name from sysobjects where name = 'tpcc_version' )
    drop procedure tpcc_version
go

```

```

create proc tpcc_version
as
declare  @version char(8)

```

```

begin
    select @version = '4.10.000'
    select @version as 'Version'
end

```

go

tables.sql

```

-- File:      TABLES.SQL
--            Microsoft TPC-C Benchmark Kit Ver. 4.10
--            Copyright Microsoft, 1999
-- Purpose:   Creates TPC-C tables

```

```

set ANSI_DEFAULTS on
SET ANSI_NULL_DFLT_ON OFF
set IMPLICIT_TRANSACTIONS off
set QUOTED_IDENTIFIER off
go

```



```

use tpcc
go

--
-- Remove all existing TPC-C tables, views, etc.
--

if objectproperty(object_id('warehouse'), 'IsView') is not null
    drop view warehouse
go
if objectproperty(object_id('district'), 'IsView') is not null
    drop view district
go
if objectproperty(object_id('customer'), 'IsView') is not null
    drop view customer
go
if objectproperty(object_id('history'), 'IsView') is not null
    drop view history
go
if objectproperty(object_id('stock'), 'IsView') is not null
    drop view stock
go
if objectproperty(object_id('orders'), 'IsView') is not null
    drop view orders
go
if objectproperty(object_id('order_line'), 'IsView') is not null
    drop view order_line
go
if objectproperty(object_id('new_order'), 'IsView') is not null
    drop view new_order
go
if objectproperty(object_id('item'), 'IsView') is not null
    drop view item
go

if objectproperty(object_id('t_warehouse'), 'IsTable') is not null
    drop table t_warehouse
go
if objectproperty(object_id('t_district'), 'IsTable') is not null
    drop table t_district
go
if objectproperty(object_id('t_customer'), 'IsTable') is not null
    drop table t_customer
go
if objectproperty(object_id('t_history'), 'IsTable') is not null
    drop table t_history
go
if objectproperty(object_id('t_new_order'), 'IsTable') is not null
    drop table t_new_order
go
if objectproperty(object_id('t_orders'), 'IsTable') is not null
    drop table t_orders
go
if objectproperty(object_id('t_order_line'), 'IsTable') is not null
    drop table t_order_line
go
if objectproperty(object_id('t_item'), 'IsTable') is not null
    drop table t_item
go
if objectproperty(object_id('t_stock'), 'IsTable') is not null
    drop table t_stock

```

```

go

--
-- Create new tables
--

create table t_warehouse
(
    w_id                int,
    w_name              char(10),
    w_street_1          char(20),
    w_street_2          char(20),
    w_city              char(20),
    w_state             char(2),
    w_zip              char(9),
    w_tax              numeric(4,4),
    w_ytd              numeric(12,2)
) on misc_fg
go

create table t_district
(
    d_id                tinyint,
    d_w_id              int,
    d_name              char(10),
    d_street_1          char(20),
    d_street_2          char(20),
    d_city              char(20),
    d_state             char(2),
    d_zip              char(9),
    d_tax              numeric(4,4),
    d_ytd              numeric(12,2),
    d_next_o_id         int
) on misc_fg
go

create table t_customer
(
    c_id                int,
    c_d_id              tinyint,
    c_w_id              int,
    c_first             char(16),
    c_middle            char(2),
    c_last              char(16),
    c_street_1          char(20),
    c_street_2          char(20),
    c_city              char(20),
    c_state             char(2),
    c_zip              char(9),
    c_phone             char(16),
    c_since             datetime,
    c_credit            char(2),
    c_credit_lim        numeric(12,2),
    c_discount          numeric(4,4),
    c_balance           numeric(12,2),
    c_ytd_payment       numeric(12,2),
    c_payment_cnt       smallint,
    c_delivery_cnt      smallint,
    c_data              char(500)
) on big_fg
go

```

```

create table t_history
(
    h_c_id          int,
    h_c_d_id       tinyint,
    h_c_w_id       int,
    h_d_id         tinyint,
    h_w_id         int,
    h_date         datetime,
    h_amount       numeric(6,2),
    h_data         char(24),
    constraint history_c1PK primary key clustered (h_w_id, h_d_id, h_c_id,
h_date)
) on misc_fg
go

create table t_new_order
(
    no_o_id        int,
    no_d_id        tinyint,
    no_w_id        int
) on misc_fg
go

create table t_orders
(
    o_id           int,
    o_d_id         tinyint,
    o_w_id         int,
    o_c_id         int,
    o_entry_d      datetime,
    o_carrier_id   tinyint,
    o_ol_cnt       tinyint,
    o_all_local    tinyint
) on misc_fg
go

create table t_order_line
(
    ol_o_id        int,
    ol_d_id        tinyint,
    ol_w_id        int,
    ol_number      tinyint,
    ol_i_id        int,
    ol_supply_w_id int,
    ol_delivery_d   datetime,
    ol_quantity    smallint,
    ol_amount      numeric(6,2),
    ol_dist_info   char(24)
) on misc_fg
go

create table t_item
(
    i_id           int,
    i_im_id        int,
    i_name         char(24),
    i_price        numeric(5,2),
    i_data         char(50)
) on misc_fg
go

create table t_stock
(

```

```

    s_i_id        int,
    s_w_id        int,
    s_quantity    smallint,
    s_dist_01     char(24),
    s_dist_02     char(24),
    s_dist_03     char(24),
    s_dist_04     char(24),
    s_dist_05     char(24),
    s_dist_06     char(24),
    s_dist_07     char(24),
    s_dist_08     char(24),
    s_dist_09     char(24),
    s_dist_10     char(24),
    s_ytd         int,
    s_order_cnt   smallint,
    s_remote_cnt  smallint,
    s_data        char(50)
) on big_fg
go

```

add_remote_servers.sql

```

--file add_remote_servers.sql
--add remote servers for all the partitions
--
-- partition 1 is on host JAN
--
exec sp_dropserver rmt1, droplogins
exec sp_addlinkedserver 'rmt1'
exec sp_setnetname 'rmt1', 'JAN'
exec sp_serveroption 'rmt1', 'lazy schema validation', 'true'
exec sp_droplinkedsrvlogin rmt1, NULL
exec sp_addlinkedsrvlogin rmt1, 'false', 'sa', 'sa'

--
-- partition 2 is on host FEB
--
exec sp_dropserver rmt2, droplogins
exec sp_addlinkedserver 'rmt2'
exec sp_setnetname 'rmt2', 'FEB'
exec sp_serveroption 'rmt2', 'lazy schema validation', 'true'
exec sp_droplinkedsrvlogin rmt2, NULL
exec sp_addlinkedsrvlogin rmt2, 'false', 'sa', 'sa'

--
-- partition 3 is on host MAR
--
exec sp_dropserver rmt3, droplogins
exec sp_addlinkedserver 'rmt3'
exec sp_setnetname 'rmt3', 'MAR'
exec sp_serveroption 'rmt3', 'lazy schema validation', 'true'
exec sp_droplinkedsrvlogin rmt3, NULL
exec sp_addlinkedsrvlogin rmt3, 'false', 'sa', 'sa'

--
-- partition 4 is on host APR
--
exec sp_dropserver rmt4, droplogins

```

```

exec sp_addlinkedserver 'rmt4'
exec sp_setnetname 'rmt4', 'APR'
exec sp_serveroption 'rmt4', 'lazy schema validation', 'true'
exec sp_droplinkedsrvlogin rmt4, NULL
exec sp_addlinkedsrvlogin rmt4, 'false', 'sa', 'sa'

--
-- partition 5 is on host MAY
--

exec sp_dropserver rmt5, droplogins
exec sp_addlinkedserver 'rmt5'
exec sp_setnetname 'rmt5', 'MAY'
exec sp_serveroption 'rmt5', 'lazy schema validation', 'true'
exec sp_droplinkedsrvlogin rmt5, NULL
exec sp_addlinkedsrvlogin rmt5, 'false', 'sa', 'sa'

--
-- partition 6 is on host JUN
--

exec sp_dropserver rmt6, droplogins
exec sp_addlinkedserver 'rmt6'
exec sp_setnetname 'rmt6', 'JUN'
exec sp_serveroption 'rmt6', 'lazy schema validation', 'true'
exec sp_droplinkedsrvlogin rmt6, NULL
exec sp_addlinkedsrvlogin rmt6, 'false', 'sa', 'sa'

--
-- partition 7 is on host JUL
--

exec sp_dropserver rmt7, droplogins
exec sp_addlinkedserver 'rmt7'
exec sp_setnetname 'rmt7', 'JUL'
exec sp_serveroption 'rmt7', 'lazy schema validation', 'true'
exec sp_droplinkedsrvlogin rmt7, NULL
exec sp_addlinkedsrvlogin rmt7, 'false', 'sa', 'sa'

--
-- partition 8 is on host AUG
--

exec sp_dropserver rmt8, droplogins
exec sp_addlinkedserver 'rmt8'
exec sp_setnetname 'rmt8', 'AUG'
exec sp_serveroption 'rmt8', 'lazy schema validation', 'true'
exec sp_droplinkedsrvlogin rmt8, NULL
exec sp_addlinkedsrvlogin rmt8, 'false', 'sa', 'sa'

--
-- partition 9 is on host SEP
--

exec sp_dropserver rmt9, droplogins
exec sp_addlinkedserver 'rmt9'
exec sp_setnetname 'rmt9', 'SEP'
exec sp_serveroption 'rmt9', 'lazy schema validation', 'true'
exec sp_droplinkedsrvlogin rmt9, NULL
exec sp_addlinkedsrvlogin rmt9, 'false', 'sa', 'sa'

--
-- partition 10 is on host OCT

```

```

--

exec sp_dropserver rmt10, droplogins
exec sp_addlinkedserver 'rmt10'
exec sp_setnetname 'rmt10', 'OCT'
exec sp_serveroption 'rmt10', 'lazy schema validation', 'true'
exec sp_droplinkedsrvlogin rmt10, NULL
exec sp_addlinkedsrvlogin rmt10, 'false', 'sa', 'sa'

--
-- partition 11 is on host NOV
--

exec sp_dropserver rmt11, droplogins
exec sp_addlinkedserver 'rmt11'
exec sp_setnetname 'rmt11', 'NOV'
exec sp_serveroption 'rmt11', 'lazy schema validation', 'true'
exec sp_droplinkedsrvlogin rmt11, NULL
exec sp_addlinkedsrvlogin rmt11, 'false', 'sa', 'sa'

--
-- partition 12 is on host DEC
--

exec sp_dropserver rmt12, droplogins
exec sp_addlinkedserver 'rmt12'
exec sp_setnetname 'rmt12', 'DEC'
exec sp_serveroption 'rmt12', 'lazy schema validation', 'true'
exec sp_droplinkedsrvlogin rmt12, NULL
exec sp_addlinkedsrvlogin rmt12, 'false', 'sa', 'sa'

```

add_views.sql

```

-- file 1_to_1800\add_views.sql

set ansi_warnings on
set ansi_nulls on
go

use tpcc
go

-- drop any existing views
if object_id('warehouse') is not null drop view warehouse
if object_id('district') is not null drop view district
if object_id('customer') is not null drop view customer
if object_id('history') is not null drop view history
if object_id('stock') is not null drop view stock
if object_id('orders') is not null drop view orders
if object_id('order_line') is not null drop view order_line
if object_id('new_order') is not null drop view new_order
if object_id('item') is not null drop view item
go

--add views for partition 1
create view warehouse as
select * from /*rmt1.tpc.c.dbo.*/t_warehouse
union all
select * from rmt2.tpc.c.dbo.t_warehouse
union all
select * from rmt3.tpc.c.dbo.t_warehouse

```

```

union all
select * from rmt4.tpcc.dbo.t_warehouse
union all
select * from rmt5.tpcc.dbo.t_warehouse
union all
select * from rmt6.tpcc.dbo.t_warehouse
union all
select * from rmt7.tpcc.dbo.t_warehouse
union all
select * from rmt8.tpcc.dbo.t_warehouse
union all
select * from rmt9.tpcc.dbo.t_warehouse
union all
select * from rmt10.tpcc.dbo.t_warehouse
union all
select * from rmt11.tpcc.dbo.t_warehouse
union all
select * from rmt12.tpcc.dbo.t_warehouse
go

create view district as
select * from /*rmt1.tpcc.dbo.*/t_district
union all
select * from rmt2.tpcc.dbo.t_district
union all
select * from rmt3.tpcc.dbo.t_district
union all
select * from rmt4.tpcc.dbo.t_district
union all
select * from rmt5.tpcc.dbo.t_district
union all
select * from rmt6.tpcc.dbo.t_district
union all
select * from rmt7.tpcc.dbo.t_district
union all
select * from rmt8.tpcc.dbo.t_district
union all
select * from rmt9.tpcc.dbo.t_district
union all
select * from rmt10.tpcc.dbo.t_district
union all
select * from rmt11.tpcc.dbo.t_district
union all
select * from rmt12.tpcc.dbo.t_district
go

create view customer as
select * from /*rmt1.tpcc.dbo.*/t_customer
union all
select * from rmt2.tpcc.dbo.t_customer
union all
select * from rmt3.tpcc.dbo.t_customer
union all
select * from rmt4.tpcc.dbo.t_customer
union all
select * from rmt5.tpcc.dbo.t_customer
union all
select * from rmt6.tpcc.dbo.t_customer
union all
select * from rmt7.tpcc.dbo.t_customer
union all
select * from rmt8.tpcc.dbo.t_customer
union all

```

```

select * from rmt9.tpcc.dbo.t_customer
union all
select * from rmt10.tpcc.dbo.t_customer
union all
select * from rmt11.tpcc.dbo.t_customer
union all
select * from rmt12.tpcc.dbo.t_customer
go

create view history as
select * from /*rmt1.tpcc.dbo.*/t_history
union all
select * from rmt2.tpcc.dbo.t_history
union all
select * from rmt3.tpcc.dbo.t_history
union all
select * from rmt4.tpcc.dbo.t_history
union all
select * from rmt5.tpcc.dbo.t_history
union all
select * from rmt6.tpcc.dbo.t_history
union all
select * from rmt7.tpcc.dbo.t_history
union all
select * from rmt8.tpcc.dbo.t_history
union all
select * from rmt9.tpcc.dbo.t_history
union all
select * from rmt10.tpcc.dbo.t_history
union all
select * from rmt11.tpcc.dbo.t_history
union all
select * from rmt12.tpcc.dbo.t_history
go

create view stock as
select * from /*rmt1.tpcc.dbo.*/t_stock
union all
select * from rmt2.tpcc.dbo.t_stock
union all
select * from rmt3.tpcc.dbo.t_stock
union all
select * from rmt4.tpcc.dbo.t_stock
union all
select * from rmt5.tpcc.dbo.t_stock
union all
select * from rmt6.tpcc.dbo.t_stock
union all
select * from rmt7.tpcc.dbo.t_stock
union all
select * from rmt8.tpcc.dbo.t_stock
union all
select * from rmt9.tpcc.dbo.t_stock
union all
select * from rmt10.tpcc.dbo.t_stock
union all
select * from rmt11.tpcc.dbo.t_stock
union all
select * from rmt12.tpcc.dbo.t_stock
go

create view orders as
select * from /*rmt1.tpcc.dbo.*/t_orders

```

```

union all
select * from rmt2.tpcc.dbo.t_orders
union all
select * from rmt3.tpcc.dbo.t_orders
union all
select * from rmt4.tpcc.dbo.t_orders
union all
select * from rmt5.tpcc.dbo.t_orders
union all
select * from rmt6.tpcc.dbo.t_orders
union all
select * from rmt7.tpcc.dbo.t_orders
union all
select * from rmt8.tpcc.dbo.t_orders
union all
select * from rmt9.tpcc.dbo.t_orders
union all
select * from rmt10.tpcc.dbo.t_orders
union all
select * from rmt11.tpcc.dbo.t_orders
union all
select * from rmt12.tpcc.dbo.t_orders
go

create view order_line as
select * from /*rmt1.tpcc.dbo.*/t_order_line
union all
select * from rmt2.tpcc.dbo.t_order_line
union all
select * from rmt3.tpcc.dbo.t_order_line
union all
select * from rmt4.tpcc.dbo.t_order_line
union all
select * from rmt5.tpcc.dbo.t_order_line
union all
select * from rmt6.tpcc.dbo.t_order_line
union all
select * from rmt7.tpcc.dbo.t_order_line
union all
select * from rmt8.tpcc.dbo.t_order_line
union all
select * from rmt9.tpcc.dbo.t_order_line
union all
select * from rmt10.tpcc.dbo.t_order_line
union all
select * from rmt11.tpcc.dbo.t_order_line
union all
select * from rmt12.tpcc.dbo.t_order_line
go

create view new_order as
select * from /*rmt1.tpcc.dbo.*/t_new_order
union all
select * from rmt2.tpcc.dbo.t_new_order
union all
select * from rmt3.tpcc.dbo.t_new_order
union all
select * from rmt4.tpcc.dbo.t_new_order
union all
select * from rmt5.tpcc.dbo.t_new_order
union all
select * from rmt6.tpcc.dbo.t_new_order
union all

```

```

select * from rmt7.tpcc.dbo.t_new_order
union all
select * from rmt8.tpcc.dbo.t_new_order
union all
select * from rmt9.tpcc.dbo.t_new_order
union all
select * from rmt10.tpcc.dbo.t_new_order
union all
select * from rmt11.tpcc.dbo.t_new_order
union all
select * from rmt12.tpcc.dbo.t_new_order
go

create view item as
select * from t_item
go

```

item_iot.sql

```

-- file 1_to_1800\item_iot.sql

--add item instead-of-trigger for partition 1

set ANSI_DEFAULTS on
set IMPLICIT_TRANSACTIONS off
go

use tpcc
go

drop trigger iot_item
go

create trigger iot_item on item instead of update, insert, delete as
begin

--
-- local node (partition 1)
DELETE A FROM t_item A, DELETED D WHERE A.i_id = D.i_id
INSERT t_item SELECT * FROM INSERTED

--
-- remote node, partition 2
DELETE A FROM rmt2.tpcc.dbo.t_item A, DELETED D WHERE A.i_id = D.i_id
INSERT rmt2.tpcc.dbo.t_item SELECT * FROM INSERTED

--
-- remote node, partition 3
DELETE A FROM rmt3.tpcc.dbo.t_item A, DELETED D WHERE A.i_id = D.i_id
INSERT rmt3.tpcc.dbo.t_item SELECT * FROM INSERTED

--
-- remote node, partition 4
DELETE A FROM rmt4.tpcc.dbo.t_item A, DELETED D WHERE A.i_id = D.i_id
INSERT rmt4.tpcc.dbo.t_item SELECT * FROM INSERTED

--
-- remote node, partition 5
DELETE A FROM rmt5.tpcc.dbo.t_item A, DELETED D WHERE A.i_id = D.i_id
INSERT rmt5.tpcc.dbo.t_item SELECT * FROM INSERTED

--

```

```

-- remote node, partition 6
DELETE A FROM rmt6.tpcc.dbo.t_item A, DELETED D WHERE A.i_id = D.i_id
INSERT rmt6.tpcc.dbo.t_item SELECT * FROM INSERTED

--
-- remote node, partition 7
DELETE A FROM rmt7.tpcc.dbo.t_item A, DELETED D WHERE A.i_id = D.i_id
INSERT rmt7.tpcc.dbo.t_item SELECT * FROM INSERTED

--
-- remote node, partition 8
DELETE A FROM rmt8.tpcc.dbo.t_item A, DELETED D WHERE A.i_id = D.i_id
INSERT rmt8.tpcc.dbo.t_item SELECT * FROM INSERTED

--
-- remote node, partition 9
DELETE A FROM rmt9.tpcc.dbo.t_item A, DELETED D WHERE A.i_id = D.i_id
INSERT rmt9.tpcc.dbo.t_item SELECT * FROM INSERTED

--
-- remote node, partition 10
DELETE A FROM rmt10.tpcc.dbo.t_item A, DELETED D WHERE A.i_id = D.i_id
INSERT rmt10.tpcc.dbo.t_item SELECT * FROM INSERTED

--
-- remote node, partition 11
DELETE A FROM rmt11.tpcc.dbo.t_item A, DELETED D WHERE A.i_id = D.i_id
INSERT rmt11.tpcc.dbo.t_item SELECT * FROM INSERTED

--
-- remote node, partition 12
DELETE A FROM rmt12.tpcc.dbo.t_item A, DELETED D WHERE A.i_id = D.i_id
INSERT rmt12.tpcc.dbo.t_item SELECT * FROM INSERTED

end

```

add_constraints_t1.sql

```
--file 1_to_1800\add_constraints_t.sql
```

```

set ansi_warnings on
set ansi_nulls on
go

use tpcc
go

-- Drop any existing partitioning constraints
--

alter table t_warehouse drop constraint cnst_w_id
go

alter table t_district drop constraint cnst_d_w_id
go

alter table t_customer drop constraint cnst_c_w_id
go

alter table t_history drop constraint cnst_h_w_id
go

```

```

alter table t_stock drop constraint cnst_s_w_id
go

alter table t_orders drop constraint cnst_o_w_id
go

alter table t_order_line drop constraint cnst_ol_w_id
go

alter table t_new_order drop constraint cnst_no_w_id
go

-- Add partitioning constraints between 1 and 1800
--

alter table t_warehouse add constraint cnst_w_id check (w_id <= convert(int,1800))
go

alter table t_district add constraint cnst_d_w_id check (d_w_id <=
convert(int,1800))
go

alter table t_customer add constraint cnst_c_w_id check (c_w_id <=
convert(int,1800))
go

alter table t_history add constraint cnst_h_w_id check (h_w_id <= convert(int,1800))
go

alter table t_stock add constraint cnst_s_w_id check (s_w_id <= convert(int,1800))
go

alter table t_orders add constraint cnst_o_w_id check (o_w_id <= convert(int,1800))
go

alter table t_order_line add constraint cnst_ol_w_id check (ol_w_id <=
convert(int,1800))
go

alter table t_new_order add constraint cnst_no_w_id check (no_w_id <=
convert(int,1800))
go

```

add_constraints_t2.sql

```
--file 1801_to_3600\add_constraints_t.sql
```

```

set ansi_warnings on
set ansi_nulls on
go

use tpcc
go

-- Drop any existing partitioning constraints
--

alter table t_warehouse drop constraint cnst_w_id
go

alter table t_district drop constraint cnst_d_w_id
go

```

```

go

alter table t_customer drop constraint cnst_c_w_id
go

alter table t_history drop constraint cnst_h_w_id
go

alter table t_stock drop constraint cnst_s_w_id
go

alter table t_orders drop constraint cnst_o_w_id
go

alter table t_order_line drop constraint cnst_ol_w_id
go

alter table t_new_order drop constraint cnst_no_w_id
go

-- Add partitioning constraints between 1801 and 3600
--

alter table t_warehouse add constraint cnst_w_id check (w_id between
convert(int,1801) and convert(int,3600))
go

alter table t_district add constraint cnst_d_w_id check (d_w_id between
convert(int,1801) and convert(int,3600))
go

alter table t_customer add constraint cnst_c_w_id check (c_w_id between
convert(int,1801) and convert(int,3600))
go

alter table t_history add constraint cnst_h_w_id check (h_w_id between
convert(int,1801) and convert(int,3600))
go

alter table t_stock add constraint cnst_s_w_id check (s_w_id between
convert(int,1801) and convert(int,3600))
go

alter table t_orders add constraint cnst_o_w_id check (o_w_id between
convert(int,1801) and convert(int,3600))
go

alter table t_order_line add constraint cnst_ol_w_id check (ol_w_id between
convert(int,1801) and convert(int,3600))
go

alter table t_new_order add constraint cnst_no_w_id check (no_w_id between
convert(int,1801) and convert(int,3600))
go

```

add_constraints_t3.sql

```
--file 3601_to_5400\add_constraints_t.sql
```

```
set ansi_warnings on
set ansi_nulls on
```

```

go

use tpcc
go

-- Drop any existing partitioning constraints
--

alter table t_warehouse drop constraint cnst_w_id
go

alter table t_district drop constraint cnst_d_w_id
go

alter table t_customer drop constraint cnst_c_w_id
go

alter table t_history drop constraint cnst_h_w_id
go

alter table t_stock drop constraint cnst_s_w_id
go

alter table t_orders drop constraint cnst_o_w_id
go

alter table t_order_line drop constraint cnst_ol_w_id
go

alter table t_new_order drop constraint cnst_no_w_id
go

-- Add partitioning constraints between 3601 and 5400
--

alter table t_warehouse add constraint cnst_w_id check (w_id between
convert(int,3601) and convert(int,5400))
go

alter table t_district add constraint cnst_d_w_id check (d_w_id between
convert(int,3601) and convert(int,5400))
go

alter table t_customer add constraint cnst_c_w_id check (c_w_id between
convert(int,3601) and convert(int,5400))
go

alter table t_history add constraint cnst_h_w_id check (h_w_id between
convert(int,3601) and convert(int,5400))
go

alter table t_stock add constraint cnst_s_w_id check (s_w_id between
convert(int,3601) and convert(int,5400))
go

alter table t_orders add constraint cnst_o_w_id check (o_w_id between
convert(int,3601) and convert(int,5400))
go

alter table t_order_line add constraint cnst_ol_w_id check (ol_w_id between
convert(int,3601) and convert(int,5400))
go

```

```
alter table t_new_order add constraint cnst_no_w_id check (no_w_id between
convert(int,3601) and convert(int,5400))
go
```

add_constraints_t4.sql

```
--file 5401_to_7200\add_constraints_t.sql

set ansi_warnings on
set ansi_nulls on
go

use tpcc
go

-- Drop any existing partitioning constraints
--

alter table t_warehouse drop constraint cnst_w_id
go

alter table t_district drop constraint cnst_d_w_id
go

alter table t_customer drop constraint cnst_c_w_id
go

alter table t_history drop constraint cnst_h_w_id
go

alter table t_stock drop constraint cnst_s_w_id
go

alter table t_orders drop constraint cnst_o_w_id
go

alter table t_order_line drop constraint cnst_ol_w_id
go

alter table t_new_order drop constraint cnst_no_w_id
go

-- Add partitioning constraints between 5401 and 7200
--

alter table t_warehouse add constraint cnst_w_id check (w_id between
convert(int,5401) and convert(int,7200))
go

alter table t_district add constraint cnst_d_w_id check (d_w_id between
convert(int,5401) and convert(int,7200))
go

alter table t_customer add constraint cnst_c_w_id check (c_w_id between
convert(int,5401) and convert(int,7200))
go

alter table t_history add constraint cnst_h_w_id check (h_w_id between
convert(int,5401) and convert(int,7200))
go
```

```
alter table t_stock add constraint cnst_s_w_id check (s_w_id between
convert(int,5401) and convert(int,7200))
go
```

```
alter table t_orders add constraint cnst_o_w_id check (o_w_id between
convert(int,5401) and convert(int,7200))
go
```

```
alter table t_order_line add constraint cnst_ol_w_id check (ol_w_id between
convert(int,5401) and convert(int,7200))
go
```

```
alter table t_new_order add constraint cnst_no_w_id check (no_w_id between
convert(int,5401) and convert(int,7200))
go
```

add_constraints_t5.sql

```
--file 7201_to_9000\add_constraints_t.sql

set ansi_warnings on
set ansi_nulls on
go

use tpcc
go

-- Drop any existing partitioning constraints
--

alter table t_warehouse drop constraint cnst_w_id
go

alter table t_district drop constraint cnst_d_w_id
go

alter table t_customer drop constraint cnst_c_w_id
go

alter table t_history drop constraint cnst_h_w_id
go

alter table t_stock drop constraint cnst_s_w_id
go

alter table t_orders drop constraint cnst_o_w_id
go

alter table t_order_line drop constraint cnst_ol_w_id
go

alter table t_new_order drop constraint cnst_no_w_id
go

-- Add partitioning constraints between 7201 and 9000
--

alter table t_warehouse add constraint cnst_w_id check (w_id between
convert(int,7201) and convert(int,9000))
go
```



```

alter table t_district add constraint cnst_d_w_id check (d_w_id between
convert(int,7201) and convert(int,9000))
go

alter table t_customer add constraint cnst_c_w_id check (c_w_id between
convert(int,7201) and convert(int,9000))
go

alter table t_history add constraint cnst_h_w_id check (h_w_id between
convert(int,7201) and convert(int,9000))
go

alter table t_stock add constraint cnst_s_w_id check (s_w_id between
convert(int,7201) and convert(int,9000))
go

alter table t_orders add constraint cnst_o_w_id check (o_w_id between
convert(int,7201) and convert(int,9000))
go

alter table t_order_line add constraint cnst_ol_w_id check (ol_w_id between
convert(int,7201) and convert(int,9000))
go

alter table t_new_order add constraint cnst_no_w_id check (no_w_id between
convert(int,7201) and convert(int,9000))
go

```

add_constraints_t6.sql

```

--file 9001_to_10800\add_constraints_t.sql

set ansi_warnings on
set ansi_nulls on
go

use tpcc
go

-- Drop any existing partitioning constraints
--

alter table t_warehouse drop constraint cnst_w_id
go

alter table t_district drop constraint cnst_d_w_id
go

alter table t_customer drop constraint cnst_c_w_id
go

alter table t_history drop constraint cnst_h_w_id
go

alter table t_stock drop constraint cnst_s_w_id
go

alter table t_orders drop constraint cnst_o_w_id
go

alter table t_order_line drop constraint cnst_ol_w_id

```

```

go

alter table t_new_order drop constraint cnst_no_w_id
go

-- Add partitioning constraints between 9001 and 10800
--

alter table t_warehouse add constraint cnst_w_id check (w_id between
convert(int,9001) and convert(int,10800))
go

alter table t_district add constraint cnst_d_w_id check (d_w_id between
convert(int,9001) and convert(int,10800))
go

alter table t_customer add constraint cnst_c_w_id check (c_w_id between
convert(int,9001) and convert(int,10800))
go

alter table t_history add constraint cnst_h_w_id check (h_w_id between
convert(int,9001) and convert(int,10800))
go

alter table t_stock add constraint cnst_s_w_id check (s_w_id between
convert(int,9001) and convert(int,10800))
go

alter table t_orders add constraint cnst_o_w_id check (o_w_id between
convert(int,9001) and convert(int,10800))
go

alter table t_order_line add constraint cnst_ol_w_id check (ol_w_id between
convert(int,9001) and convert(int,10800))
go

alter table t_new_order add constraint cnst_no_w_id check (no_w_id between
convert(int,9001) and convert(int,10800))
go

```

add_constraints_t7.sql

```

--file 10801_to_12600\add_constraints_t.sql

set ansi_warnings on
set ansi_nulls on
go

use tpcc
go

-- Drop any existing partitioning constraints
--

alter table t_warehouse drop constraint cnst_w_id
go

alter table t_district drop constraint cnst_d_w_id
go

alter table t_customer drop constraint cnst_c_w_id

```

```

go

alter table t_history drop constraint cnst_h_w_id
go

alter table t_stock drop constraint cnst_s_w_id
go

alter table t_orders drop constraint cnst_o_w_id
go

alter table t_order_line drop constraint cnst_ol_w_id
go

alter table t_new_order drop constraint cnst_no_w_id
go

-- Add partitioning constraints between 10801 and 12600
--

alter table t_warehouse add constraint cnst_w_id check (w_id between
convert(int,10801) and convert(int,12600))
go

alter table t_district add constraint cnst_d_w_id check (d_w_id between
convert(int,10801) and convert(int,12600))
go

alter table t_customer add constraint cnst_c_w_id check (c_w_id between
convert(int,10801) and convert(int,12600))
go

alter table t_history add constraint cnst_h_w_id check (h_w_id between
convert(int,10801) and convert(int,12600))
go

alter table t_stock add constraint cnst_s_w_id check (s_w_id between
convert(int,10801) and convert(int,12600))
go

alter table t_orders add constraint cnst_o_w_id check (o_w_id between
convert(int,10801) and convert(int,12600))
go

alter table t_order_line add constraint cnst_ol_w_id check (ol_w_id between
convert(int,10801) and convert(int,12600))
go

alter table t_new_order add constraint cnst_no_w_id check (no_w_id between
convert(int,10801) and convert(int,12600))
go

```

add_constraints_t8.sql

```
--file 12601_to_14400\add_constraints_t.sql
```

```

set ansi_warnings on
set ansi_nulls on
go

use tpcc

```

```

go

-- Drop any existing partitioning constraints
--

alter table t_warehouse drop constraint cnst_w_id
go

alter table t_district drop constraint cnst_d_w_id
go

alter table t_customer drop constraint cnst_c_w_id
go

alter table t_history drop constraint cnst_h_w_id
go

alter table t_stock drop constraint cnst_s_w_id
go

alter table t_orders drop constraint cnst_o_w_id
go

alter table t_order_line drop constraint cnst_ol_w_id
go

alter table t_new_order drop constraint cnst_no_w_id
go

-- Add partitioning constraints between 12601 and 14400
--

alter table t_warehouse add constraint cnst_w_id check (w_id between
convert(int,12601) and convert(int,14400))
go

alter table t_district add constraint cnst_d_w_id check (d_w_id between
convert(int,12601) and convert(int,14400))
go

alter table t_customer add constraint cnst_c_w_id check (c_w_id between
convert(int,12601) and convert(int,14400))
go

alter table t_history add constraint cnst_h_w_id check (h_w_id between
convert(int,12601) and convert(int,14400))
go

alter table t_stock add constraint cnst_s_w_id check (s_w_id between
convert(int,12601) and convert(int,14400))
go

alter table t_orders add constraint cnst_o_w_id check (o_w_id between
convert(int,12601) and convert(int,14400))
go

alter table t_order_line add constraint cnst_ol_w_id check (ol_w_id between
convert(int,12601) and convert(int,14400))
go

alter table t_new_order add constraint cnst_no_w_id check (no_w_id between
convert(int,12601) and convert(int,14400))
go

```

tpcc.h

```
// File: TPC.H
// Microsoft TPC-C Kit Ver. 4.30
// Copyright Microsoft, 1996, 1997, 1998, 1999,
// 2000
// Purpose: Header file for TPC-C database loader

// Build number of TPC Benchmark Kit
#define TPCKIT_VER "4.30"

// General headers
#include <windows.h>
#include <winbase.h>
#include <stdlib.h>
#include <stdio.h>
#include <process.h>
#include <stddef.h>
#include <stdarg.h>
#include <string.h>
#include <time.h>
#include <sys\timeb.h>
#include <sys\types.h>

// ODBC headers
#include <sql.h>
#include <sqlext.h>
#include <odbcss.h>

// General constants
#define MILLI 1000
#define FALSE 0
#define TRUE 1
#define UNDEF -1
#define MINPRINTASCII 32
#define MAXPRINTASCII 126

// Default environment constants
#define SERVER ""
#define DATABASE "tpcc"
#define USER "sa"
#define PASSWORD ""

// Default loader arguments
#define BATCH 10000
#define DEFLDPACKSIZE 32768
#define LOADER_RES_FILE "logs\\load.out"
#define LOADER_NURAND_C 123
#define DEF_STARTING_WAREHOUSE 1
#define BUILD_INDEX 1 // build both
data and indexes
#define INDEX_ORDER 1 // build
indexes before load
#define SCALE_DOWN 0 // build a normal
scale database
#define INDEX_SCRIPT_PATH "scripts"

typedef struct
{
```

```
char *server;
char *database;
char *user;
char *password;
char tables_all;
BOOL // set if loading all tables
table_item;
BOOL // set if loading ITEM table specifically
table_warehouse; // set if
loading WAREHOUSE, DISTRICT, and STOCK
BOOL table_customer; //
set if loading CUSTOMER and HISTORY
BOOL table_orders; //
set if loading NEW-ORDER, ORDERS, ORDER-LINE
long num_warehouses;
long batch;
long verbose;
long pack_size;
char *loader_res_file;
char *synch_servername;
long case_sensitivity;
long starting_warehouse;
long build_index;
long index_order;
long scale_down;
char *index_script_path;
} TPCCCLR_ARGS;

// String length constants
#define SERVER_NAME_LEN 20
#define DATABASE_NAME_LEN 20
#define USER_NAME_LEN 20
#define PASSWORD_LEN 20
#define TABLE_NAME_LEN 20
#define I_DATA_LEN 50
#define I_NAME_LEN 24
#define BRAND_LEN 1
#define LAST_NAME_LEN 16
#define W_NAME_LEN 10
#define ADDRESS_LEN 20
#define STATE_LEN 2
#define ZIP_LEN 9
#define S_DIST_LEN 24
#define S_DATA_LEN 50
#define D_NAME_LEN 10
#define FIRST_NAME_LEN 16
#define MIDDLE_NAME_LEN 2
#define PHONE_LEN 16
#define CREDIT_LEN 2
#define C_DATA_LEN 500
#define H_DATA_LEN 24
#define DIST_INFO_LEN 24
#define MAX_OL_NEW_ORDER_ITEMS 15
#define MAX_OL_ORDER_STATUS_ITEMS 15
#define STATUS_LEN 25
#define OL_DIST_INFO_LEN 24
#define C_SINCE_LEN 23
#define H_DATE_LEN 23
#define OL_DELIVERY_D_LEN 23
#define O_ENTRY_D_LEN 23

// Functions in random.c
```

```

void seed();
long irand();
double drand();
void WUCreate();
short WURand();
long RandomNumber(long lower, long upper);

// Functions in getargs.c;
void GetArgsLoader();
void GetArgsLoaderUsage();

// Functions in time.c
long TimeNow();

// Functions in strings.c
void MakeAddress();
void LastName();
int MakeAlphaString();
int MakeOriginalAlphaString();
int MakeNumberString();
int MakeZipNumberString();
void InitString();
void InitAddress();
void PaddString();

```

tpccldr.c

```

// File: TPCCLDR.C
// Microsoft TPC-C Kit Ver. 4.30
// Copyright Microsoft, 1996, 1997, 1998, 1999,
2000
// Purpose: Source file for TPC-C database loader

// Includes
#include "tpcc.h"
#include "search.h"

// Defines
#define MAXITEMS 100000
#define MAXITEMS_SCALE_DOWN 100
#define CUSTOMERS_PER_DISTRICT 3000
#define CUSTOMERS_SCALE_DOWN 30
#define DISTRICT_PER_WAREHOUSE 10
#define ORDERS_PER_DISTRICT 3000
#define ORDERS_SCALE_DOWN 30
#define MAX_CUSTOMER_THREADS 2
#define MAX_ORDER_THREADS 3
#define MAX_MAIN_THREADS 4

// Functions declarations

void HandleErrorDBC (SQLHDBC hdbc1);

void CheckSQL();
void CheckDataBase();

long NURand();
void LoadItem();
void LoadWarehouse();

void Stock();

```

```

void District();

void LoadCustomer();
void CustomerBufInit();
void CustomerBufLoad();
void LoadCustomerTable();
void LoadHistoryTable();

void LoadOrders();
void OrdersBufInit();
void OrdersBufLoad();
void LoadOrdersTable();
void LoadNewOrderTable();
void LoadOrderLineTable();
void GetPermutation();
void CheckForCommit();
void OpenConnections();
void BuildIndex();
void FormatDate ();

// Shared memory structures

typedef struct
{
    long ol;
    long ol_i_id;
    long ol_supply_w_id;
    short ol_quantity;
    double ol_amount;
    char ol_dist_info[DIST_INFO_LEN+1];
    char ol_delivery_d[OL_DELIVERY_D_LEN+1];
} ORDER_LINE_STRUCT;

typedef struct
{
    long o_id;
    short o_d_id;
    long o_w_id;
    long o_c_id;
    short o_carrier_id;
    short o_ol_cnt;
    short o_all_local;
    ORDER_LINE_STRUCT o_ol[15];
} ORDERS_STRUCT;

typedef struct
{
    long c_id;
    short c_d_id;
    long c_w_id;
    char c_first[FIRST_NAME_LEN+1];
    char c_middle[MIDDLE_NAME_LEN+1];
    char c_last[LAST_NAME_LEN+1];
    char c_street_1[ADDRESS_LEN+1];
    char c_street_2[ADDRESS_LEN+1];
    char c_city[ADDRESS_LEN+1];
    char c_state[STATE_LEN+1];
    char c_zip[ZIP_LEN+1];
    char c_phone[PHONE_LEN+1];
    char c_credit[CREDIT_LEN+1];
    double c_credit_lim;
    double c_discount;
}

```

```

// fix to avoid ODBC float to numeric conversion problem.
// double          c_balance;
char              c_balance[6];

double           c_ytd_payment;
short            c_payment_cnt;
short            c_delivery_cnt;
char             c_data[C_DATA_LEN+1];
double          h_amount;
char             h_data[H_DATA_LEN+1];
} CUSTOMER_STRUCT;

typedef struct
{
    char          c_last[LAST_NAME_LEN+1];
    char          c_first[FIRST_NAME_LEN+1];
    long          c_id;
} CUSTOMER_SORT_STRUCT;

typedef struct
{
    long          time_start;
} LOADER_TIME_STRUCT;

// Global variables

char            szLastError[300];

HENV           henv;

HDBC           v_hdbc; // for SQL
Server version verification
HDBC           i_hdbc1; // for ITEM table
HDBC           w_hdbc1; // for WAREHOUSE,
DISTRICT, STOCK
HDBC           c_hdbc1; // for CUSTOMER
HDBC           c_hdbc2; // for HISTORY
HDBC           o_hdbc1; // for ORDERS
HDBC           o_hdbc2; // for NEW-ORDER
HDBC           o_hdbc3; // for ORDER-LINE
HSTMT          v_hstmt; // for SQL Server
version verification
HSTMT          i_hstmt1;
HSTMT          w_hstmt1;
HSTMT          c_hstmt1, c_hstmt2;
HSTMT          o_hstmt1, o_hstmt2, o_hstmt3;

ORDERS_STRUCT orders_buf[ORDERS_PER_DISTRICT];
CUSTOMER_STRUCT customer_buf[CUSTOMERS_PER_DISTRICT];
long           orders_rows_loaded;
long           new_order_rows_loaded;
long           order_line_rows_loaded;
long           history_rows_loaded;
long           customer_rows_loaded;
long           stock_rows_loaded;
long           district_rows_loaded;
long           item_rows_loaded;
long           warehouse_rows_loaded;
long           main_time_start;
long           main_time_end;

```

```

long           max_items;
long           customers_per_district;
long           orders_per_district;
long           first_new_order;
long           last_new_order;

TPCCCLR_ARGS *aptr, args;

// support for log directory determined by environment
#define LOGBASE_MAXLEN 128
int           UseAltLogDir = 0;
char          LogBase[LOGBASE_MAXLEN];
char          LogFile[2*LOGBASE_MAXLEN];
#define LOGFILE_CREATE(name) \
    strcpy(LogFile, LogBase); \
    strcat(LogFile, name);

//=====
//
// Function name: main
//
//=====

int main(int argc, char **argv)
{
    DWORD      dwThreadID[MAX_MAIN_THREADS];
    HANDLE     hThread[MAX_MAIN_THREADS];
    FILE       *fLoader;
    char       buffer[255];
    int        i;

    for (i=0; i<MAX_MAIN_THREADS; i++)
        hThread[i] = NULL;

    printf("\n*****");
    printf("\n* ");
    printf("\n* Microsoft SQL Server ");
    printf("\n* ");
    printf("\n* TPC-C BENCHMARK KIT: Database loader ");
    printf("\n* Version %s ", TPCKIT_VER);
    printf("\n* ");
    printf("\n*****\n\n");

    // process command line arguments

    aptr = &args;
    GetArgsLoader(argc, argv, aptr);

    // process environment variables
    if ( GetEnvironmentVariable("LOGBASE", LogBase, LOGBASE_MAXLEN) )
    {
        UseAltLogDir = 1;
        strcat(LogBase, "\\logs");
        printf("Will use %s for log files\n", LogBase);
    }
    else
        strcpy(LogBase, "logs");

    // verify database and tables exist before attempting to load
    CheckDataBase();
}

```

```

printf("Build interface is ODBC.\n");

if (aptr->build_index == 0)
    printf("Data load only - no index creation.\n");
else
    printf("Data load and index creation.\n");

if (aptr->index_order == 0)
    printf("Clustered indexes will be created after bulk load.\n");
else
    printf("Clustered indexes will be created before bulk load.\n");

// set database scale values
if (aptr->scale_down == 1)
{
    printf("**** Scaled Down Database ****\n");
    max_items = MAXITEMS_SCALE_DOWN;
    customers_per_district = CUSTOMERS_SCALE_DOWN;
    orders_per_district = ORDERS_SCALE_DOWN;
    first_new_order = 0;
    last_new_order = 30;
}
else
{
    max_items = MAXITEMS;
    customers_per_district = CUSTOMERS_PER_DISTRICT;
    orders_per_district = ORDERS_PER_DISTRICT;
    first_new_order = 2100;
    last_new_order = 3000;
}

// open connections to SQL Server
OpenConnections();

// open file for loader results
fLoader = fopen(aptr->loader_res_file, "w");

if (fLoader == NULL)
{
    printf("Error, loader result file open failed.");
    exit(-1);
}

// start loading data
sprintf(buffer, "TPC-C load started for %ld warehouses.\n", aptr->num_warehouses);

printf("%s", buffer);
fprintf(fLoader, "%s", buffer);

main_time_start = (TimeNow() / MILLI);

// start parallel load threads

if (aptr->tables_all || aptr->table_item)
{
    fprintf(fLoader, "\nStarting loader threads for: item\n");

    hThread[0] = CreateThread(NULL,

```

```

0,
(LPTHREAD_START_ROUTINE) LoadItem,
NULL,
0,
&dwThreadID[0]);

    if (hThread[0] == NULL)
    {
        printf("Error, failed in creating creating thread =
0.\n");
        exit(-1);
    }

    if (aptr->tables_all || aptr->table_warehouse)
    {
        fprintf(fLoader, "Starting loader threads for: warehouse\n");
        hThread[1] = CreateThread(NULL,
0,
(LPTHREAD_START_ROUTINE) LoadWarehouse,
NULL,
0,
&dwThreadID[1]);

        if (hThread[1] == NULL)
        {
            printf("Error, failed in creating creating thread =
1.\n");
            exit(-1);
        }

        if (aptr->tables_all || aptr->table_customer)
        {
            fprintf(fLoader, "Starting loader threads for: customer\n");
            hThread[2] = CreateThread(NULL,
0,
(LPTHREAD_START_ROUTINE) LoadCustomer,
NULL,
0,
&dwThreadID[2]);

            if (hThread[2] == NULL)
            {
                printf("Error, failed in creating creating main thread
= 2.\n");
                exit(-1);
            }

            if (aptr->tables_all || aptr->table_orders)
            {

```

```

        fprintf(fLoader, "Starting loader threads for: orders\n");

        hThread[3] = CreateThread(NULL,
                                0,
                                (LPTHREAD_START_ROUTINE) LoadOrders,
                                NULL,
                                0,
                                &dwThreadID[3]);

        if (hThread[3] == NULL)
        {
            printf("Error, failed in creating creating main thread
= 3.\n");
            exit(-1);
        }

        // Wait for threads to finish...
        for (i=0; i<MAX_MAIN_THREADS; i++)
        {
            if (hThread[i] != NULL)
            {
                WaitForSingleObject( hThread[i], INFINITE );
                CloseHandle(hThread[i]);
                hThread[i] = NULL;
            }
        }

        main_time_end = (TimeNow() / MILLI);

        sprintf(buffer, "\nTPC-C load completed successfully in %ld minutes.\n",
                (main_time_end - main_time_start)/60);

        printf("%s", buffer);
        fprintf(fLoader, "%s", buffer);

        fclose(fLoader);

        SQLFreeEnv(henv);

        exit(0);

        return 0;
}

//=====
//
// Function name: LoadItem
//
//=====

void LoadItem()
{
    long        i_id;
    long        i_im_id;
    char        i_name[I_NAME_LEN+1];
    double      i_price;
    char        i_data[I_DATA_LEN+1];
    char        name[20];

```

```

    long        time_start;
    RETCODE     rc;
    DBINT       rcint;
    char        bcphint[128];

    // Seed with unique number
    seed(1);

    printf("Loading item table...\n");

    // if build index before load
    if ((aptr->build_index == 1) && (aptr->index_order == 1))
        BuildIndex("idxitmc1");

    InitString(i_name, I_NAME_LEN+1);
    InitString(i_data, I_DATA_LEN+1);

    sprintf(name, "%s..%s", aptr->database, "t_item");

    LOGFILE_CREATE("\\item.err")
    rc = bcp_init(i_hdbc1, name, NULL, LogFile, DB_IN);

    if (rc != SUCCEED)
        HandleErrorDBC(i_hdbc1);

    if ((aptr->build_index == 1) && (aptr->index_order == 1))
    {
        sprintf(bcphint, "tablock, order (i_id), ROWS_PER_BATCH =
100000, CHECK_CONSTRAINTS");
        rc = bcp_control(i_hdbc1, BCPHINTS, (void*) bcphint);
        if (rc != SUCCEED)
            HandleErrorDBC(i_hdbc1);
    }

    rc = bcp_bind(i_hdbc1, (BYTE *) &i_id, 0, SQL_VARLEN_DATA, NULL, 0,
SQLINT4, 1);
    if (rc != SUCCEED)
        HandleErrorDBC(i_hdbc1);

    rc = bcp_bind(i_hdbc1, (BYTE *) &i_im_id, 0, SQL_VARLEN_DATA, NULL, 0,
SQLINT4, 2);
    if (rc != SUCCEED)
        HandleErrorDBC(i_hdbc1);

    rc = bcp_bind(i_hdbc1, (BYTE *) i_name, 0, I_NAME_LEN, NULL, 0, 0, 3);
    if (rc != SUCCEED)
        HandleErrorDBC(i_hdbc1);

    rc = bcp_bind(i_hdbc1, (BYTE *) &i_price, 0, SQL_VARLEN_DATA, NULL, 0,
SQLFLT8, 4);
    if (rc != SUCCEED)
        HandleErrorDBC(i_hdbc1);

    rc = bcp_bind(i_hdbc1, (BYTE *) i_data, 0, I_DATA_LEN, NULL, 0, 0, 5);
    if (rc != SUCCEED)
        HandleErrorDBC(i_hdbc1);

    time_start = (TimeNow() / MILLI);

    item_rows_loaded = 0;

    for (i_id = 1; i_id <= max_items; i_id++)
    {

```

```

i_im_id = RandomNumber(1L, 10000L);

MakeAlphaString(14, 24, I_NAME_LEN, i_name);

i_price = ((float) RandomNumber(100L, 10000L))/100.0;

MakeOriginalAlphaString(26, 50, I_DATA_LEN, i_data, 10);

rc = bcp_sendrow(i_hdbc1);
if (rc != SUCCEED)
    HandleErrorDBC(i_hdbc1);

item_rows_loaded++;
CheckForCommit(i_hdbc1, i_hstmt1, item_rows_loaded, "item",
&time_start);
}

rcint = bcp_done(i_hdbc1);
if (rcint < 0)
    HandleErrorDBC(i_hdbc1);

printf("Finished loading item table.\n");

SQLFreeStmt(i_hstmt1, SQL_DROP);
SQLDisconnect(i_hdbc1);
SQLFreeConnect(i_hdbc1);

// if build index after load
if ((aptr->build_index == 1) && (aptr->index_order == 0))
    BuildIndex("idxitmc1");
}

//=====
//
// Function   : LoadWarehouse
//
// Loads WAREHOUSE table and loads Stock and District as Warehouses are created
//
//=====

void LoadWarehouse()
{
    long   w_id;
    char   w_name[W_NAME_LEN+1];
    char   w_street_1[ADDRESS_LEN+1];
    char   w_street_2[ADDRESS_LEN+1];
    char   w_city[ADDRESS_LEN+1];
    char   w_state[STATE_LEN+1];
    char   w_zip[ZIP_LEN+1];
    double w_tax;
    double w_ytd;
    char   name[20];
    long   time_start;
    RETCODE rc;
    DBINT  rcint;
    char   bcphint[128];

    // Seed with unique number
    seed(aptr->starting_warehouse + 1);

```

```

printf("Loading warehouse table...\n");

// if build index before load..
if ((aptr->build_index == 1) && (aptr->index_order == 1))
    BuildIndex("idxward1");

InitString(w_name, W_NAME_LEN+1);
InitAddress(w_street_1, w_street_2, w_city, w_state, w_zip);

sprintf(name, "%s..%s", aptr->database, "t_warehouse");

LOGFILE_CREATE("\\house.err")
rc = bcp_init(w_hdbc1, name, NULL, LogFile, DB_IN);
if (rc != SUCCEED)
    HandleErrorDBC(w_hdbc1);

if ((aptr->build_index == 1) && (aptr->index_order == 1))
{
    sprintf(bcphint, "tablock, order (w_id), ROWS_PER_BATCH = %d,
CHECK_CONSTRAINTS", aptr->num_warehouses);
    rc = bcp_control(w_hdbc1, BCPHINTS, (void*) bcphint);
    if (rc != SUCCEED)
        HandleErrorDBC(w_hdbc1);
}

rc = bcp_bind(w_hdbc1, (BYTE *) &w_id, 0, SQL_VARLEN_DATA, NULL, 0,
SQLINT4, 1);
if (rc != SUCCEED)
    HandleErrorDBC(w_hdbc1);

rc = bcp_bind(w_hdbc1, (BYTE *) w_name, 0, W_NAME_LEN, NULL, 0, 0, 2);
if (rc != SUCCEED)
    HandleErrorDBC(w_hdbc1);

3);
rc = bcp_bind(w_hdbc1, (BYTE *) w_street_1, 0, ADDRESS_LEN, NULL, 0, 0,
3);
if (rc != SUCCEED)
    HandleErrorDBC(w_hdbc1);

4);
rc = bcp_bind(w_hdbc1, (BYTE *) w_street_2, 0, ADDRESS_LEN, NULL, 0, 0,
4);
if (rc != SUCCEED)
    HandleErrorDBC(w_hdbc1);

rc = bcp_bind(w_hdbc1, (BYTE *) w_city, 0, ADDRESS_LEN, NULL, 0, 0, 5);
if (rc != SUCCEED)
    HandleErrorDBC(w_hdbc1);

rc = bcp_bind(w_hdbc1, (BYTE *) w_state, 0, STATE_LEN, NULL, 0, 0, 6);
if (rc != SUCCEED)
    HandleErrorDBC(w_hdbc1);

rc = bcp_bind(w_hdbc1, (BYTE *) w_zip, 0, ZIP_LEN, NULL, 0, 0, 7);
if (rc != SUCCEED)
    HandleErrorDBC(w_hdbc1);

rc = bcp_bind(w_hdbc1, (BYTE *) &w_tax, 0, SQL_VARLEN_DATA, NULL, 0,
SQLFLT8, 8);
if (rc != SUCCEED)
    HandleErrorDBC(w_hdbc1);

rc = bcp_bind(w_hdbc1, (BYTE *) &w_ytd, 0, SQL_VARLEN_DATA, NULL, 0,
SQLFLT8, 9);

```



```

if (rc != SUCCEED)
    HandleErrorDBC(w_hdbc1);

time_start = (TimeNow() / MILLI);

warehouse_rows_loaded = 0;

w_id++)
for (w_id = (long)aptr->starting_warehouse; w_id <= aptr->num_warehouses;
{
    MakeAlphaString(6,10, W_NAME_LEN, w_name);

    MakeAddress(w_street_1, w_street_2, w_city, w_state, w_zip);

    w_tax = ((float) RandomNumber(0L,2000L))/10000.00;

    w_ytd = 300000.00;

    rc = bcp_sendrow(w_hdbc1);
    if (rc != SUCCEED)
        HandleErrorDBC(w_hdbc1);

    warehouse_rows_loaded++;
    CheckForCommit(w_hdbc1, i_hstmt1, warehouse_rows_loaded,
"warehouse", &time_start);
}

rcint = bcp_done(w_hdbc1);
if (rcint < 0)
    HandleErrorDBC(w_hdbc1);

printf("Finished loading warehouse table.\n");

// if build index after load...
if ((aptr->build_index == 1) && (aptr->index_order == 0))
    BuildIndex("idxwarc1");

stock_rows_loaded = 0;
district_rows_loaded = 0;

District();
Stock();
}

//=====
//
// Function   : District
//
//=====

void District()
{
    short d_id;
    long d_w_id;
    char d_name[D_NAME_LEN+1];
    char d_street_1[ADDRESS_LEN+1];
    char d_street_2[ADDRESS_LEN+1];
    char d_city[ADDRESS_LEN+1];
    char d_state[STATE_LEN+1];
    char d_zip[ZIP_LEN+1];
    double d_tax;

```

```

double d_ytd;
char name[20];
long d_next_o_id;
long time_start;
int w_id;
RETCODE rc;
DBINT rcint;
char bcphint[128];

// Seed with unique number
seed(aptr->starting_warehouse + 2);

printf("Loading district table...\n");

// build index before load
if ((aptr->build_index == 1) && (aptr->index_order == 1))
    BuildIndex("idxdiscl");

InitString(d_name, D_NAME_LEN+1);
InitAddress(d_street_1, d_street_2, d_city, d_state, d_zip);

sprintf(name, "%s.%s", aptr->database, "t_district");

LOGFILE_CREATE("\\district.err")
rc = bcp_init(w_hdbc1, name, NULL, LogFile, DB_IN);
if (rc != SUCCEED)
    HandleErrorDBC(w_hdbc1);

if ((aptr->build_index == 1) && (aptr->index_order == 1))
{
    sprintf(bcphint, "tablock, order (d_w_id, d_id), ROWS_PER_BATCH
= %u, CHECK_CONSTRAINTS", (aptr->num_warehouses * 10));
    rc = bcp_control(w_hdbc1, BCPHINTS, (void*) bcphint);
    if (rc != SUCCEED)
        HandleErrorDBC(w_hdbc1);
}

rc = bcp_bind(w_hdbc1, (BYTE *) &d_id, 0, SQL_VARLEN_DATA, NULL, 0,
SQLINT2, 1);
if (rc != SUCCEED)
    HandleErrorDBC(w_hdbc1);

rc = bcp_bind(w_hdbc1, (BYTE *) &d_w_id, 0, SQL_VARLEN_DATA, NULL, 0,
SQLINT4, 2);
if (rc != SUCCEED)
    HandleErrorDBC(w_hdbc1);

rc = bcp_bind(w_hdbc1, (BYTE *) d_name, 0, D_NAME_LEN, NULL, 0, 0, 3);
if (rc != SUCCEED)
    HandleErrorDBC(w_hdbc1);

rc = bcp_bind(w_hdbc1, (BYTE *) d_street_1, 0, ADDRESS_LEN, NULL, 0, 0,
4);
if (rc != SUCCEED)
    HandleErrorDBC(w_hdbc1);

rc = bcp_bind(w_hdbc1, (BYTE *) d_street_2, 0, ADDRESS_LEN, NULL, 0, 0,
5);
if (rc != SUCCEED)
    HandleErrorDBC(w_hdbc1);

rc = bcp_bind(w_hdbc1, (BYTE *) d_city, 0, ADDRESS_LEN, NULL, 0, 0, 6);
if (rc != SUCCEED)

```

```

        HandleErrorDBC(w_hdbc1);

rc = bcp_bind(w_hdbc1, (BYTE *) d_state, 0, STATE_LEN, NULL, 0, 0, 7);
if (rc != SUCCEEDED)
    HandleErrorDBC(w_hdbc1);

rc = bcp_bind(w_hdbc1, (BYTE *) d_zip, 0, ZIP_LEN, NULL, 0, 0, 8);
if (rc != SUCCEEDED)
    HandleErrorDBC(w_hdbc1);

SQLFLT8, 9);
rc = bcp_bind(w_hdbc1, (BYTE *) &d_tax, 0, SQL_VARLEN_DATA, NULL, 0,
if (rc != SUCCEEDED)
    HandleErrorDBC(w_hdbc1);

SQLFLT8, 10);
rc = bcp_bind(w_hdbc1, (BYTE *) &d_ytd, 0, SQL_VARLEN_DATA, NULL, 0,
if (rc != SUCCEEDED)
    HandleErrorDBC(w_hdbc1);

SQLINT4, 11);
rc = bcp_bind(w_hdbc1, (BYTE *) &d_next_o_id, 0, SQL_VARLEN_DATA, NULL, 0,
if (rc != SUCCEEDED)
    HandleErrorDBC(w_hdbc1);

d_ytd = 30000.0;
d_next_o_id = orders_per_district+1;
time_start = (TimeNow() / MILLI);

for (w_id = aptr->starting_warehouse; w_id <= aptr->num_warehouses;
w_id++)
{
    d_w_id = w_id;
    for (d_id = 1; d_id <= DISTRICT_PER_WAREHOUSE; d_id++)
    {
        MakeAlphaString(6,10,D_NAME_LEN, d_name);
        MakeAddress(d_street_1, d_street_2, d_city, d_state,
d_zip);

        d_tax = ((float) RandomNumber(0L,2000L))/10000.00;

rc = bcp_sendrow(w_hdbc1);
if (rc != SUCCEEDED)
    HandleErrorDBC(w_hdbc1);

        district_rows_loaded++;
        CheckForCommit(w_hdbc1, w_hstmt1,
district_rows_loaded, "district", &time_start);
    }
}

rcint = bcp_done(w_hdbc1);
if (rcint < 0)
    HandleErrorDBC(w_hdbc1);

printf("Finished loading district table.\n");

// if build index after load..
if ((aptr->build_index == 1) && (aptr->index_order == 0))

```

```

        BuildIndex("idxdiscl");

return;
}

//=====
//
// Function : Stock
//
//=====

void Stock()
{
    long s_i_id;
    long s_w_id;
    short s_quantity;
    char s_dist_01[S_DIST_LEN+1];
    char s_dist_02[S_DIST_LEN+1];
    char s_dist_03[S_DIST_LEN+1];
    char s_dist_04[S_DIST_LEN+1];
    char s_dist_05[S_DIST_LEN+1];
    char s_dist_06[S_DIST_LEN+1];
    char s_dist_07[S_DIST_LEN+1];
    char s_dist_08[S_DIST_LEN+1];
    char s_dist_09[S_DIST_LEN+1];
    char s_dist_10[S_DIST_LEN+1];
    long s_ytd;
    short s_order_cnt;
    short s_remote_cnt;
    char s_data[S_DATA_LEN+1];
    short len;
    char name[20];
    long time_start;
    RETCODE rc;
    DBINT rcint;
    char bcphint[128];

    // Seed with unique number
    seed(aptr->starting_warehouse + 3);

    // if build index before load..
    if ((aptr->build_index == 1) && (aptr->index_order == 1))
        BuildIndex("idxstkcl");

    sprintf(name, "%s..%s", aptr->database, "t_stock");

    LOGFILE_CREATE("\\stock.err")
    rc = bcp_init(w_hdbc1, name, NULL, LogFile, DB_IN);
    if (rc != SUCCEEDED)
        HandleErrorDBC(w_hdbc1);

    if ((aptr->build_index == 1) && (aptr->index_order == 1))
    {
        sprintf(bcphint, "tablock, order (s_i_id, s_w_id),
ROWS_PER_BATCH = %u, CHECK_CONSTRAINTS", (aptr->num_warehouses * 100000));
rc = bcp_control(w_hdbc1, BCPHINTS, (void*) bcphint);
if (rc != SUCCEEDED)
    HandleErrorDBC(w_hdbc1);
    }

rc = bcp_bind(w_hdbc1, (BYTE *) &s_i_id, 0, SQL_VARLEN_DATA, NULL, 0,
SQLINT4, 1);

```

```

    if (rc != SUCCEEDED)
        HandleErrorDBC(w_hdbc1);

    bcp_bind(w_hdbc1, (BYTE *) &s_w_id, 0, SQL_VARLEN_DATA, NULL, 0, SQLINT4,
2);
    if (rc != SUCCEEDED)
        HandleErrorDBC(w_hdbc1);

    rc = bcp_bind(w_hdbc1, (BYTE *) &s_quantity, 0, SQL_VARLEN_DATA, NULL, 0,
SQLINT2, 3);
    if (rc != SUCCEEDED)
        HandleErrorDBC(w_hdbc1);

    rc = bcp_bind(w_hdbc1, (BYTE *) s_dist_01, 0, S_DIST_LEN, NULL, 0, 0, 4);
    if (rc != SUCCEEDED)
        HandleErrorDBC(w_hdbc1);

    rc = bcp_bind(w_hdbc1, (BYTE *) s_dist_02, 0, S_DIST_LEN, NULL, 0, 0, 5);
    if (rc != SUCCEEDED)
        HandleErrorDBC(w_hdbc1);

    rc = bcp_bind(w_hdbc1, (BYTE *) s_dist_03, 0, S_DIST_LEN, NULL, 0, 0, 6);
    if (rc != SUCCEEDED)
        HandleErrorDBC(w_hdbc1);

    rc = bcp_bind(w_hdbc1, (BYTE *) s_dist_04, 0, S_DIST_LEN, NULL, 0, 0, 7);
    if (rc != SUCCEEDED)
        HandleErrorDBC(w_hdbc1);

    rc = bcp_bind(w_hdbc1, (BYTE *) s_dist_05, 0, S_DIST_LEN, NULL, 0, 0, 8);
    if (rc != SUCCEEDED)
        HandleErrorDBC(w_hdbc1);

    rc = bcp_bind(w_hdbc1, (BYTE *) s_dist_06, 0, S_DIST_LEN, NULL, 0, 0, 9);
    if (rc != SUCCEEDED)
        HandleErrorDBC(w_hdbc1);

    rc = bcp_bind(w_hdbc1, (BYTE *) s_dist_07, 0, S_DIST_LEN, NULL, 0, 0, 10);
    if (rc != SUCCEEDED)
        HandleErrorDBC(w_hdbc1);

    rc = bcp_bind(w_hdbc1, (BYTE *) s_dist_08, 0, S_DIST_LEN, NULL, 0, 0, 11);
    if (rc != SUCCEEDED)
        HandleErrorDBC(w_hdbc1);

    rc = bcp_bind(w_hdbc1, (BYTE *) s_dist_09, 0, S_DIST_LEN, NULL, 0, 0, 12);
    if (rc != SUCCEEDED)
        HandleErrorDBC(w_hdbc1);

    rc = bcp_bind(w_hdbc1, (BYTE *) s_dist_10, 0, S_DIST_LEN, NULL, 0, 0, 13);
    if (rc != SUCCEEDED)
        HandleErrorDBC(w_hdbc1);

    rc = bcp_bind(w_hdbc1, (BYTE *) &s_ytd, 0, SQL_VARLEN_DATA, NULL, 0,
SQLINT4, 14);
    if (rc != SUCCEEDED)
        HandleErrorDBC(w_hdbc1);

    rc = bcp_bind(w_hdbc1, (BYTE *) &s_order_cnt, 0, SQL_VARLEN_DATA, NULL, 0,
SQLINT2, 15);
    if (rc != SUCCEEDED)
        HandleErrorDBC(w_hdbc1);

```

```

    rc = bcp_bind(w_hdbc1, (BYTE *) &s_remote_cnt, 0, SQL_VARLEN_DATA, NULL,
0, SQLINT2, 16);
    if (rc != SUCCEEDED)
        HandleErrorDBC(w_hdbc1);

    rc = bcp_bind(w_hdbc1, (BYTE *) s_data, 0, S_DATA_LEN, NULL, 0, 0, 17);
    if (rc != SUCCEEDED)
        HandleErrorDBC(w_hdbc1);

    s_ytd = s_order_cnt = s_remote_cnt = 0;

    time_start = (TimeNow() / MILLI);

    printf("...Loading stock table\n");

    for (s_i_id=1; s_i_id <= max_items; s_i_id++)
    {
        for (s_w_id = (long)aptr->starting_warehouse; s_w_id <= aptr-
>num_warehouses; s_w_id++)
        {
            s_quantity = (short)RandomNumber(10L,100L);
            len = MakeAlphaString(24,24,S_DIST_LEN, s_dist_01);
            len = MakeAlphaString(24,24,S_DIST_LEN, s_dist_02);
            len = MakeAlphaString(24,24,S_DIST_LEN, s_dist_03);
            len = MakeAlphaString(24,24,S_DIST_LEN, s_dist_04);
            len = MakeAlphaString(24,24,S_DIST_LEN, s_dist_05);
            len = MakeAlphaString(24,24,S_DIST_LEN, s_dist_06);
            len = MakeAlphaString(24,24,S_DIST_LEN, s_dist_07);
            len = MakeAlphaString(24,24,S_DIST_LEN, s_dist_08);
            len = MakeAlphaString(24,24,S_DIST_LEN, s_dist_09);
            len = MakeAlphaString(24,24,S_DIST_LEN, s_dist_10);

            len = MakeOriginalAlphaString(26,50, S_DATA_LEN,
s_data,10);

            rc = bcp_sendrow(w_hdbc1);
            if (rc != SUCCEEDED)
                HandleErrorDBC(w_hdbc1);

            stock_rows_loaded++;
            CheckForCommit(w_hdbc1, w_hstmt1, stock_rows_loaded,
"stock", &time_start);
        }
    }

    rcint = bcp_done(w_hdbc1);
    if (rcint < 0)
        HandleErrorDBC(w_hdbc1);

    printf("Finished loading stock table.\n");

    SQLFreeStmt(w_hstmt1, SQL_DROP);
    SQLDisconnect(w_hdbc1);
    SQLFreeConnect(w_hdbc1);

    // if build index after load..
    if ((aptr->build_index == 1) && (aptr->index_order == 0))
        BuildIndex("idxstkcl");

    return;

```

```

}

//=====
//
// Function   : LoadCustomer
//
//=====
void LoadCustomer()
{
    LOADER_TIME_STRUCT    customer_time_start;
    LOADER_TIME_STRUCT    history_time_start;
    long                 w_id;

    short                d_id;
    DWORD                dwThreadID[MAX_CUSTOMER_THREADS];
    HANDLE                hThread[MAX_CUSTOMER_THREADS];
    char                 name[20];
    RETCODE                rc;
    DBINT                 rcint;
    char                 bcphint[128];
    char                 cmd[256];
    // SQLRETURN            rc_l;
    // SQLSMALLINT           recnum, MsgLen;
    // SQLCHAR                SqlState[6],
Msg[SQL_MAX_MESSAGE_LENGTH];
    // SQLINTEGER            NativeError;

    // Seed with unique number
    seed(aptr->starting_warehouse + 4);

    printf("Loading customer and history tables...\n");

    // if build index before load...
    if ((aptr->build_index == 1) && (aptr->index_order == 1))
        BuildIndex("idxcuscl");

    // Initialize bulk copy
    sprintf(name, "%s..%s", aptr->database, "t_customer");

    LOGFILE_CREATE("\\customer.err")
    rc = bcp_init(c_hdbc1, name, NULL, LogFile, DB_IN);
    if (rc != SUCCEEDED)
        HandleErrorDBC(c_hdbc1);

    if ((aptr->build_index == 1) && (aptr->index_order == 1))
    {
        sprintf(bcphint, "tablock, order (c_w_id, c_d_id, c_id),
ROWS_PER_BATCH = %u, CHECK_CONSTRAINTS", (aptr->num_warehouses * 30000));
        rc = bcp_control(c_hdbc1, BCPHINTS, (void*) bcphint);
        if (rc != SUCCEEDED)
            HandleErrorDBC(c_hdbc1);
    }

    sprintf(name, "%s..%s", aptr->database, "t_history");

    LOGFILE_CREATE("\\history.err")
    rc = bcp_init(c_hdbc2, name, NULL, LogFile, DB_IN);
    if (rc != SUCCEEDED)
        HandleErrorDBC(c_hdbc2);

    sprintf(bcphint, "tablock, order (h_w_id, h_d_id, h_c_id, h_date),
ROWS_PER_BATCH = %u, CHECK_CONSTRAINTS", (aptr->num_warehouses * 30000));

```

```

rc = bcp_control(c_hdbc2, BCPHINTS, (void*) bcphint);
if (rc != SUCCEEDED)
    HandleErrorDBC(c_hdbc2);

customer_rows_loaded    = 0;
history_rows_loaded     = 0;

CustomerBufInit();

customer_time_start.time_start = (TimeNow() / MILLI);
history_time_start.time_start = (TimeNow() / MILLI);

for (w_id = (long)aptr->starting_warehouse; w_id <= aptr->num_warehouses;
w_id++)
{
    for (d_id = 1; d_id <= DISTRICT_PER_WAREHOUSE; d_id++)
    {
        CustomerBufLoad(d_id, w_id);

        // Start parallel loading threads here...

        // Start customer table thread
        printf("...Loading customer table for: d_id = %d, w_id
= %d\n", d_id, w_id);

        hThread[0] = CreateThread(NULL,

0,

(LPTHREAD_START_ROUTINE) LoadCustomerTable,

&customer_time_start,

0,

&dwThreadID[0]);

        if (hThread[0] == NULL)
        {
            printf("Error, failed in creating creating
thread = 0.\n");
            exit(-1);
        }

        // Start History table thread
        printf("...Loading history table for: d_id = %d, w_id
= %d\n", d_id, w_id);

        hThread[1] = CreateThread(NULL,

0,

(LPTHREAD_START_ROUTINE) LoadHistoryTable,

&history_time_start,

0,

&dwThreadID[1]);

```

```

        if (hThread[1] == NULL)
        {
            printf("Error, failed in creating creating
thread = 1.\n");
            exit(-1);
        }

        WaitForSingleObject( hThread[0], INFINITE );
        WaitForSingleObject( hThread[1], INFINITE );

        if (CloseHandle(hThread[0]) == FALSE)
        {
            printf("Error, failed in closing customer
thread handle with errno: %d\n", GetLastError());
        }

        if (CloseHandle(hThread[1]) == FALSE)
        {
            printf("Error, failed in closing history
thread handle with errno: %d\n", GetLastError());
        }
    }

    // flush the bulk connection
    rcint = bcp_done(c_hdbc1);
    if (rcint < 0)
        HandleErrorDBC(c_hdbc1);

    rcint = bcp_done(c_hdbc2);
    if (rcint < 0)
        HandleErrorDBC(c_hdbc2);

    printf("Finished loading customer table.\n");

    // if build index after load..
    if ((aptr->build_index == 1) && (aptr->index_order == 0))
        BuildIndex("idxcuscl");

    // build non-clustered index
    if (aptr->build_index == 1)
        BuildIndex("idxcusnc");

    // Output the NURAND used for the loader into C_FIRST for C_ID = 1,
    // C_W_ID = 1, and C_D_ID = 1
    sprintf(cmd, "isql -S%s -U%s -P%s -d%s -e -Q\"update t_customer set
c_first = 'C_LOAD = %d' where c_id = 1 and c_w_id = 1 and c_d_id = 1\" >
%s\\nurand_load.log",
        aptr->server,
        aptr->user,
        aptr->password,
        aptr->database,
        LOADER_NURAND_C,
        LogBase);

    system(cmd);

    SQLFreeStmt(c_hstmt1, SQL_DROP);
    SQLDisconnect(c_hdbc1);
    SQLFreeConnect(c_hdbc1);

```

```

        SQLFreeStmt(c_hstmt2, SQL_DROP);
        SQLDisconnect(c_hdbc2);
        SQLFreeConnect(c_hdbc2);

        return;
    }

    //=====
    //
    // Function : CustomerBufInit
    //
    //=====

    void CustomerBufInit()
    {
        int i;

        for (i=0;i<customers_per_district;i++)
        {
            customer_buf[i].c_id = 0;
            customer_buf[i].c_d_id = 0;
            customer_buf[i].c_w_id = 0;

            strcpy(customer_buf[i].c_first,"");
            strcpy(customer_buf[i].c_middle,"");
            strcpy(customer_buf[i].c_last,"");
            strcpy(customer_buf[i].c_street_1,"");
            strcpy(customer_buf[i].c_street_2,"");
            strcpy(customer_buf[i].c_city,"");
            strcpy(customer_buf[i].c_state,"");
            strcpy(customer_buf[i].c_zip,"");
            strcpy(customer_buf[i].c_phone,"");
            strcpy(customer_buf[i].c_credit,"");

            customer_buf[i].c_credit_lim = 0;
            customer_buf[i].c_discount = (float) 0;

            // fix to avoid ODBC float to numeric conversion problem.
            // customer_buf[i].c_balance = 0;
            strcpy(customer_buf[i].c_balance,"");

            customer_buf[i].c_ytd_payment = 0;
            customer_buf[i].c_payment_cnt = 0;
            customer_buf[i].c_delivery_cnt = 0;

            strcpy(customer_buf[i].c_data,"");

            customer_buf[i].h_amount = 0;

            strcpy(customer_buf[i].h_data,"");
        }
    }

    //=====
    //

```

```

// Function : CustomerBufLoad
//
// Fills shared buffer for HISTORY and CUSTOMER
//=====
void CustomerBufLoad(int d_id, int w_id)
{
    long i;
    CUSTOMER_SORT_STRUCT c[CUSTOMERS_PER_DISTRICT];

    for (i=0;i<customers_per_district;i++)
    {
        if (i < 1000)
            LastName(i, c[i].c_last);
        else
            LastName(NURand(255,0,999,LOADER_NURAND_C),
c[i].c_last);

        MakeAlphaString(8,16,FIRST_NAME_LEN, c[i].c_first);

        c[i].c_id = i+1;
    }

    printf("...Loading customer buffer for: d_id = %d, w_id = %d\n",
d_id, w_id);

    for (i=0;i<customers_per_district;i++)
    {
        customer_buf[i].c_d_id = d_id;
        customer_buf[i].c_w_id = w_id;
        customer_buf[i].h_amount = 10.0;

        customer_buf[i].c_ytd_payment = 10.0;

        customer_buf[i].c_payment_cnt = 1;
        customer_buf[i].c_delivery_cnt = 0;

        // Generate CUSTOMER and HISTORY data
        customer_buf[i].c_id = c[i].c_id;

        strcpy(customer_buf[i].c_first, c[i].c_first);
        strcpy(customer_buf[i].c_last, c[i].c_last);

        customer_buf[i].c_middle[0] = 'O';
        customer_buf[i].c_middle[1] = 'E';

        MakeAddress(customer_buf[i].c_street_1,
customer_buf[i].c_street_2,
customer_buf[i].c_city,
customer_buf[i].c_state,
customer_buf[i].c_zip);

        MakeNumberString(16, 16, PHONE_LEN, customer_buf[i].c_phone);

        if (RandomNumber(1L, 100L) > 10)
            customer_buf[i].c_credit[0] = 'G';
        else
            customer_buf[i].c_credit[0] = 'B';
        customer_buf[i].c_credit[1] = 'C';
    }
}

```

```

customer_buf[i].c_credit_lim = 50000.0;
customer_buf[i].c_discount = ((float) RandomNumber(0L, 5000L)) /
10000.0;

// fix to avoid ODBC float to numeric conversion problem.
// customer_buf[i].c_balance = -10.0;
strcpy(customer_buf[i].c_balance, "-10.0");

MakeAlphaString(300, 500, C_DATA_LEN, customer_buf[i].c_data);

// Generate HISTORY data
MakeAlphaString(12, 24, H_DATA_LEN, customer_buf[i].h_data);
}

//=====
// Function : LoadCustomerTable
//
//=====
void LoadCustomerTable(LOADER_TIME_STRUCT *customer_time_start)
{
    int i;

    long c_id;
    short c_d_id;
    long c_w_id;
    char c_first[FIRST_NAME_LEN+1];
    char c_middle[MIDDLE_NAME_LEN+1];
    char c_last[LAST_NAME_LEN+1];
    char c_street_1[ADDRESS_LEN+1];
    char c_street_2[ADDRESS_LEN+1];
    char c_city[ADDRESS_LEN+1];
    char c_state[STATE_LEN+1];
    char c_zip[ZIP_LEN+1];
    char c_phone[PHONE_LEN+1];
    char c_credit[CREDIT_LEN+1];
    double c_credit_lim;
    double c_discount;

    // fix to avoid ODBC float to numeric conversion problem.
    // double c_balance;
    char c_balance[6];

    double c_ytd_payment;
    short c_payment_cnt;
    short c_delivery_cnt;
    char c_data[C_DATA_LEN+1];
    char c_since[C_SINCE_LEN+1];
    RETCODE rc;

    rc = bcp_bind(c_hdbc1, (BYTE *) &c_id, 0, SQL_VARLEN_DATA, NULL, 0, SQLINT4, 1);
    if (rc != SUCCEEDED)
        HandleErrorDBC(c_hdbc1);

    rc = bcp_bind(c_hdbc1, (BYTE *) &c_d_id, 0, SQL_VARLEN_DATA, NULL, 0, SQLINT2,
2);
    if (rc != SUCCEEDED)
        HandleErrorDBC(c_hdbc1);
}

```

```

rc = bcp_bind(c_hdbc1, (BYTE *) &c_w_id, 0, SQL_VARLEN_DATA, NULL, 0,
SQLINT4, 3);
if (rc != SUCCEED)
    HandleErrorDBC(c_hdbc1);

rc = bcp_bind(c_hdbc1, (BYTE *) c_first, 0, FIRST_NAME_LEN, NULL, 0, 0, 4);
if (rc != SUCCEED)
    HandleErrorDBC(c_hdbc1);

rc = bcp_bind(c_hdbc1, (BYTE *) c_middle, 0, MIDDLE_NAME_LEN, NULL, 0, 0, 5);
if (rc != SUCCEED)
    HandleErrorDBC(c_hdbc1);

rc = bcp_bind(c_hdbc1, (BYTE *) c_last, 0, LAST_NAME_LEN, NULL, 0, 0, 6);
if (rc != SUCCEED)
    HandleErrorDBC(c_hdbc1);

rc = bcp_bind(c_hdbc1, (BYTE *) c_street_1, 0, ADDRESS_LEN, NULL, 0, 0, 7);
if (rc != SUCCEED)
    HandleErrorDBC(c_hdbc1);

rc = bcp_bind(c_hdbc1, (BYTE *) c_street_2, 0, ADDRESS_LEN, NULL, 0, 0, 8);
if (rc != SUCCEED)
    HandleErrorDBC(c_hdbc1);

rc = bcp_bind(c_hdbc1, (BYTE *) c_city, 0, ADDRESS_LEN, NULL, 0, 0, 9);
if (rc != SUCCEED)
    HandleErrorDBC(c_hdbc1);

rc = bcp_bind(c_hdbc1, (BYTE *) c_state, 0, STATE_LEN, NULL, 0, 0, 10);
if (rc != SUCCEED)
    HandleErrorDBC(c_hdbc1);

rc = bcp_bind(c_hdbc1, (BYTE *) c_zip, 0, ZIP_LEN, NULL, 0, 0, 11);
if (rc != SUCCEED)
    HandleErrorDBC(c_hdbc1);

rc = bcp_bind(c_hdbc1, (BYTE *) c_phone, 0, PHONE_LEN, NULL, 0, 0, 12);
if (rc != SUCCEED)
    HandleErrorDBC(c_hdbc1);

rc = bcp_bind(c_hdbc1, (BYTE *) &c_since, 0, C_SINCE_LEN, NULL, 0,
SQLCHARACTER, 13);
if (rc != SUCCEED)
    HandleErrorDBC(c_hdbc1);

rc = bcp_bind(c_hdbc1, (BYTE *) c_credit, 0, CREDIT_LEN, NULL, 0, 0, 14);
if (rc != SUCCEED)
    HandleErrorDBC(c_hdbc1);

rc = bcp_bind(c_hdbc1, (BYTE *) &c_credit_lim, 0, SQL_VARLEN_DATA, NULL, 0,
SQLFLT8, 15);
if (rc != SUCCEED)
    HandleErrorDBC(c_hdbc1);

rc = bcp_bind(c_hdbc1, (BYTE *) &c_discount, 0, SQL_VARLEN_DATA, NULL, 0,
SQLFLT8, 16);
if (rc != SUCCEED)
    HandleErrorDBC(c_hdbc1);

```

```

// fix to avoid ODBC float to numeric conversion problem.

// rc = bcp_bind(c_hdbc1, (BYTE *) &c_balance, 0, SQL_VARLEN_DATA, NULL, 0,
SQLFLT8, 17);
// if (rc != SUCCEED)
//     HandleErrorDBC(c_hdbc1);
rc = bcp_bind(c_hdbc1, (BYTE *) c_balance, 0, 5, NULL, 0, SQLCHARACTER, 17);
if (rc != SUCCEED)
    HandleErrorDBC(c_hdbc1);

rc = bcp_bind(c_hdbc1, (BYTE *) &c_ytd_payment, 0, SQL_VARLEN_DATA, NULL, 0,
SQLFLT8, 18);
if (rc != SUCCEED)
    HandleErrorDBC(c_hdbc1);

rc = bcp_bind(c_hdbc1, (BYTE *) &c_payment_cnt, 0, SQL_VARLEN_DATA, NULL, 0,
SQLINT2, 19);
if (rc != SUCCEED)
    HandleErrorDBC(c_hdbc1);

rc = bcp_bind(c_hdbc1, (BYTE *) &c_delivery_cnt, 0, SQL_VARLEN_DATA, NULL, 0,
SQLINT2, 20);
if (rc != SUCCEED)
    HandleErrorDBC(c_hdbc1);

rc = bcp_bind(c_hdbc1, (BYTE *) c_data, 0, 500, NULL, 0, 0, 21);
if (rc != SUCCEED)
    HandleErrorDBC(c_hdbc1);

for (i = 0; i < customers_per_district; i++)
{
    c_id = customer_buf[i].c_id;
    c_d_id = customer_buf[i].c_d_id;
    c_w_id = customer_buf[i].c_w_id;

    strcpy(c_first, customer_buf[i].c_first);
    strcpy(c_middle, customer_buf[i].c_middle);
    strcpy(c_last, customer_buf[i].c_last);
    strcpy(c_street_1, customer_buf[i].c_street_1);
    strcpy(c_street_2, customer_buf[i].c_street_2);
    strcpy(c_city, customer_buf[i].c_city);
    strcpy(c_state, customer_buf[i].c_state);
    strcpy(c_zip, customer_buf[i].c_zip);
    strcpy(c_phone, customer_buf[i].c_phone);
    strcpy(c_credit, customer_buf[i].c_credit);

    FormatDate(&c_since);

    c_credit_lim = customer_buf[i].c_credit_lim;
    c_discount = customer_buf[i].c_discount;

    // fix to avoid ODBC float to numeric conversion problem.

    // c_balance = customer_buf[i].c_balance;
    strcpy(c_balance, customer_buf[i].c_balance);

    c_ytd_payment = customer_buf[i].c_ytd_payment;
    c_payment_cnt = customer_buf[i].c_payment_cnt;
    c_delivery_cnt = customer_buf[i].c_delivery_cnt;

    strcpy(c_data, customer_buf[i].c_data);
}

```

```

        // Send data to server
        rc = bcp_sendrow(c_hdbc1);
        if (rc != SUCCEED)
            HandleErrorDBC(c_hdbc1);

        customer_rows_loaded++;
        CheckForCommit(c_hdbc1, c_hstmt1, customer_rows_loaded,
"customer", &customer_time_start->time_start);
    }
}

//=====
//
// Function   : LoadHistoryTable
//
//=====

void LoadHistoryTable(LOADER_TIME_STRUCT *history_time_start)
{
    int         i;
    long        c_id;
    short       c_d_id;
    long        c_w_id;
    double      h_amount;
    char        h_data[H_DATA_LEN+1];
    char        h_date[H_DATE_LEN+1];
    RETCODE     rc;

    rc = bcp_bind(c_hdbc2, (BYTE *) &c_id, 0, SQL_VARLEN_DATA, NULL, 0, SQLINT4, 1);
    if (rc != SUCCEED)
        HandleErrorDBC(c_hdbc2);

    rc = bcp_bind(c_hdbc2, (BYTE *) &c_d_id, 0, SQL_VARLEN_DATA, NULL, 0, SQLINT2,
2);
    if (rc != SUCCEED)
        HandleErrorDBC(c_hdbc2);

    rc = bcp_bind(c_hdbc2, (BYTE *) &c_w_id, 0, SQL_VARLEN_DATA, NULL, 0, SQLINT4,
3);
    if (rc != SUCCEED)
        HandleErrorDBC(c_hdbc2);

    rc = bcp_bind(c_hdbc2, (BYTE *) &c_d_id, 0, SQL_VARLEN_DATA, NULL, 0, SQLINT2,
4);
    if (rc != SUCCEED)
        HandleErrorDBC(c_hdbc2);

    rc = bcp_bind(c_hdbc2, (BYTE *) &c_w_id, 0, SQL_VARLEN_DATA, NULL, 0, SQLINT4,
5);
    if (rc != SUCCEED)
        HandleErrorDBC(c_hdbc2);

    rc = bcp_bind(c_hdbc2, (BYTE *) &h_date, 0, H_DATE_LEN, NULL, 0,
SQLCHARACTER, 6);
    if (rc != SUCCEED)
        HandleErrorDBC(c_hdbc2);

    rc = bcp_bind(c_hdbc2, (BYTE *) &h_amount, 0, SQL_VARLEN_DATA, NULL, 0, SQLFLT8,
7);
    if (rc != SUCCEED)

```

```

        HandleErrorDBC(c_hdbc2);

    rc = bcp_bind(c_hdbc2, (BYTE *) h_data, 0, H_DATA_LEN, NULL, 0, 0, 8);
    if (rc != SUCCEED)
        HandleErrorDBC(c_hdbc2);

    for (i = 0; i < customers_per_district; i++)
    {
        c_id = customer_buf[i].c_id;
        c_d_id = customer_buf[i].c_d_id;
        c_w_id = customer_buf[i].c_w_id;
        h_amount = customer_buf[i].h_amount;
        strcpy(h_data, customer_buf[i].h_data);

        FormatDate(&h_date);

        // send to server
        rc = bcp_sendrow(c_hdbc2);
        if (rc != SUCCEED)
            HandleErrorDBC(c_hdbc2);

        history_rows_loaded++;
        CheckForCommit(c_hdbc2, c_hstmt2, history_rows_loaded,
"history", &history_time_start->time_start);
    }
}

//=====
//
// Function   : LoadOrders
//
//=====

void LoadOrders()
{
    LOADER_TIME_STRUCT    orders_time_start;
    LOADER_TIME_STRUCT    new_order_time_start;
    LOADER_TIME_STRUCT    order_line_time_start;
    long                  w_id;
    short                  d_id;
    DWORD                  dwThreadID[MAX_ORDER_THREADS];
    HANDLE                  hThread[MAX_ORDER_THREADS];
    char                    name[20];
    RETCODE                 rc;
    char                    bcpHint[128];

    // seed with unique number
    seed(aptr->starting_warehouse + 5);

    printf("Loading orders...\n");

    // if build index before load...
    if ((aptr->build_index == 1) && (aptr->index_order == 1))
    {
        BuildIndex("idxordc1");
        BuildIndex("idxnodc1");
        BuildIndex("idxodc1");
    }

    // initialize bulk copy
    sprintf(name, "%s..%s", aptr->database, "t_orders");

```



```

LOGFILE_CREATE("\\orders.err")
rc = bcp_init(o_hdbc1, name, NULL, LogFile, DB_IN);
if (rc != SUCCEEDED)
    HandleErrorDBC(o_hdbc1);

if ((aptr->build_index == 1) && (aptr->index_order == 1))
{
    sprintf(bcphint, "tablock, order (o_w_id, o_d_id, o_id),
ROWS_PER_BATCH = %u, CHECK CONSTRAINTS", (aptr->num_warehouses * 30000));
rc = bcp_control(o_hdbc1, BCPHINTS, (void*) bcphint);
if (rc != SUCCEEDED)
    HandleErrorDBC(o_hdbc1);
}

sprintf(name, "%s..%s", aptr->database, "t_new_order");

LOGFILE_CREATE("\\neword.err")
rc = bcp_init(o_hdbc2, name, NULL, LogFile, DB_IN);
if (rc != SUCCEEDED)
    HandleErrorDBC(o_hdbc2);

if ((aptr->build_index == 1) && (aptr->index_order == 1))
{
    sprintf(bcphint, "tablock, order (no_w_id, no_d_id, no_o_id),
ROWS_PER_BATCH = %u, CHECK CONSTRAINTS", (aptr->num_warehouses * 9000));
rc = bcp_control(o_hdbc2, BCPHINTS, (void*) bcphint);
if (rc != SUCCEEDED)
    HandleErrorDBC(o_hdbc2);
}

sprintf(name, "%s..%s", aptr->database, "t_order_line");

LOGFILE_CREATE("\\ordline.err")
rc = bcp_init(o_hdbc3, name, NULL, LogFile, DB_IN);
if (rc != SUCCEEDED)
    HandleErrorDBC(o_hdbc3);

if ((aptr->build_index == 1) && (aptr->index_order == 1))
{
    sprintf(bcphint, "tablock, order (ol_w_id, ol_d_id, ol_o_id,
ol_number), ROWS_PER_BATCH = %u, CHECK CONSTRAINTS", (aptr->num_warehouses *
300000));
rc = bcp_control(o_hdbc3, BCPHINTS, (void*) bcphint);
if (rc != SUCCEEDED)
    HandleErrorDBC(o_hdbc3);
}

orders_rows_loaded = 0;
new_order_rows_loaded = 0;
order_line_rows_loaded = 0;

OrdersBufInit();

orders_time_start.time_start = (TimeNow() / MILLI);
new_order_time_start.time_start = (TimeNow() / MILLI);
order_line_time_start.time_start = (TimeNow() / MILLI);

for (w_id = (long)aptr->starting_warehouse; w_id <= aptr->num_warehouses;
w_id++)
{
    for (d_id = 1; d_id <= DISTRICT_PER_WAREHOUSE; d_id++)

```

```

OrdersBufLoad(d_id, w_id);
// start parallel loading threads here...
// start Orders table thread
printf("...Loading Order Table for: d_id = %d, w_id =
%d\n", d_id, w_id);

hThread[0] = CreateThread(NULL,
0,
(LPTHREAD_START_ROUTINE) LoadOrdersTable,
&orders_time_start,
0,
&dwThreadId[0]);

if (hThread[0] == NULL)
{
    printf("Error, failed in creating creating
thread = 0.\n");
    exit(-1);
}
// start NewOrder table thread
printf("...Loading New-Order Table for: d_id = %d,
w_id = %d\n", d_id, w_id);

hThread[1] = CreateThread(NULL,
0,
(LPTHREAD_START_ROUTINE) LoadNewOrderTable,
&new_order_time_start,
0,
&dwThreadId[1]);

if (hThread[1] == NULL)
{
    printf("Error, failed in creating creating
thread = 1.\n");
    exit(-1);
}
// start Order-Line table thread
printf("...Loading Order-Line Table for: d_id = %d,
w_id = %d\n", d_id, w_id);

hThread[2] = CreateThread(NULL,
0,
(LPTHREAD_START_ROUTINE) LoadOrderLineTable,

```

```

        &order_line_time_start,
        0,
        &dwThreadID[2]);

        if (hThread[2] == NULL)
        {
            printf("Error, failed in creating creating
thread = 2.\n");
            exit(-1);
        }

        WaitForSingleObject( hThread[0], INFINITE );
        WaitForSingleObject( hThread[1], INFINITE );
        WaitForSingleObject( hThread[2], INFINITE );

        if (CloseHandle(hThread[0]) == FALSE)
        {
            printf("Error, failed in closing Orders
thread handle with errno: %d\n", GetLastError());
        }

        if (CloseHandle(hThread[1]) == FALSE)
        {
            printf("Error, failed in closing NewOrder
thread handle with errno: %d\n", GetLastError());
        }

        if (CloseHandle(hThread[2]) == FALSE)
        {
            printf("Error, failed in closing OrderLine
thread handle with errno: %d\n", GetLastError());
        }
    }

    printf("Finished loading orders.\n");

return;
}

//=====
//
// Function   : OrdersBufInit
//
// Clears shared buffer for ORDERS, NEWORDER, and ORDERLINE
//
//=====
void OrdersBufInit()
{
    int    i;
    int    j;

    for (i=0;i<orders_per_district;i++)
    {
        orders_buf[i].o_id = 0;
        orders_buf[i].o_d_id = 0;

```

```

        orders_buf[i].o_w_id = 0;
        orders_buf[i].o_c_id = 0;
        orders_buf[i].o_carrier_id = 0;
        orders_buf[i].o_ol_cnt = 0;
        orders_buf[i].o_all_local = 0;

        for (j=0;j<=14;j++)
        {
            orders_buf[i].o_ol[j].ol = 0;
            orders_buf[i].o_ol[j].ol_i_id = 0;
            orders_buf[i].o_ol[j].ol_supply_w_id = 0;
            orders_buf[i].o_ol[j].ol_quantity = 0;
            orders_buf[i].o_ol[j].ol_amount = 0;
            strcpy(orders_buf[i].o_ol[j].ol_dist_info, "");
        }
    }

}

//=====
//
// Function   : OrdersBufLoad
//
// Fills shared buffer for ORDERS, NEWORDER, and ORDERLINE
//
//=====
void OrdersBufLoad(int d_id, int w_id)
{
    int    cust[ORDERS_PER_DISTRICT+1];
    long   o_id;
    short  ol;

    printf("...Loading Order Buffer for: d_id = %d, w_id = %d\n",
        d_id, w_id);

    GetPermutation(cust, orders_per_district);

    for (o_id=0;o_id<orders_per_district;o_id++)
    {
        // Generate ORDER and NEW-ORDER data

        orders_buf[o_id].o_d_id = d_id;
        orders_buf[o_id].o_w_id = w_id;
        orders_buf[o_id].o_id = o_id+1;
        orders_buf[o_id].o_c_id = cust[o_id+1];
        orders_buf[o_id].o_ol_cnt = (short)RandomNumber(5L, 15L);

        if (o_id < first_new_order)
        {
            orders_buf[o_id].o_carrier_id =
(short)RandomNumber(1L, 10L);
            orders_buf[o_id].o_all_local = 1;
        }
        else
        {
            orders_buf[o_id].o_carrier_id = 0;
            orders_buf[o_id].o_all_local = 1;
        }
    }
}

```

```

        for (ol=0; ol<orders_buf[o_id].o_ol_cnt; ol++)
        {
            orders_buf[o_id].o_ol[ol].ol = ol+1;
            orders_buf[o_id].o_ol[ol].ol_i_id = RandomNumber(1L,
max_items);
            orders_buf[o_id].o_ol[ol].ol_supply_w_id = w_id;
            orders_buf[o_id].o_ol[ol].ol_quantity = 5;
            MakeAlphaString(24, 24, OL_DIST_INFO_LEN,
&orders_buf[o_id].o_ol[ol].ol_dist_info);

            // Generate ORDER-LINE data
            if (o_id < first_new_order)
            {
                orders_buf[o_id].o_ol[ol].ol_amount = 0;
                // Added to insure ol_delivery_d set
properly during load

                FormatDate(&orders_buf[o_id].o_ol[ol].ol_delivery_d);

            }
            else
            {
                orders_buf[o_id].o_ol[ol].ol_amount =
RandomNumber(1,999999)/100.0;
                // Added to insure ol_delivery_d set
properly during load

                // odbc datetime format

                strcpy(orders_buf[o_id].o_ol[ol].ol_delivery_d,"1899-12-31 00:00:00.000");
            }
        }
    }

//=====
//
// Function   : LoadOrdersTable
//
//=====
void LoadOrdersTable(LOADER_TIME_STRUCT *orders_time_start)
{
    int         i;
    long        o_id;
    short        o_d_id;
    long         o_w_id;

    long         o_c_id;
    short        o_carrier_id;
    short        o_ol_cnt;
    short        o_all_local;

    char         o_entry_d[O_ENTRY_D_LEN+1];
    RETCODE      rc;
    DBINT        rcint;

    // bind ORDER data
    rc = bcp_bind(o_hdbc1, (BYTE *) &o_id, 0, SQL_VARLEN_DATA, NULL, 0, SQLINT4, 1);
    if (rc != SUCCEED)

```

```

        HandleErrorDBC(o_hdbc1);

    rc = bcp_bind(o_hdbc1, (BYTE *) &o_d_id, 0, SQL_VARLEN_DATA, NULL, 0, SQLINT2,
2);
    if (rc != SUCCEED)
        HandleErrorDBC(o_hdbc1);

    rc = bcp_bind(o_hdbc1, (BYTE *) &o_w_id, 0, SQL_VARLEN_DATA, NULL, 0, SQLINT4,
3);
    if (rc != SUCCEED)
        HandleErrorDBC(o_hdbc1);

    rc = bcp_bind(o_hdbc1, (BYTE *) &o_c_id, 0, SQL_VARLEN_DATA, NULL, 0, SQLINT4,
4);
    if (rc != SUCCEED)
        HandleErrorDBC(o_hdbc1);

    rc = bcp_bind(o_hdbc1, (BYTE *) &o_entry_d, 0, O_ENTRY_D_LEN, NULL, 0,
SQLCHARACTER, 5);
    if (rc != SUCCEED)
        HandleErrorDBC(o_hdbc1);

    rc = bcp_bind(o_hdbc1, (BYTE *) &o_carrier_id, 0, SQL_VARLEN_DATA, NULL, 0,
SQLINT2, 6);
    if (rc != SUCCEED)
        HandleErrorDBC(o_hdbc1);

    rc = bcp_bind(o_hdbc1, (BYTE *) &o_ol_cnt, 0, SQL_VARLEN_DATA, NULL, 0, SQLINT2,
7);
    if (rc != SUCCEED)
        HandleErrorDBC(o_hdbc1);

    rc = bcp_bind(o_hdbc1, (BYTE *) &o_all_local, 0, SQL_VARLEN_DATA, NULL, 0,
SQLINT2, 8);
    if (rc != SUCCEED)
        HandleErrorDBC(o_hdbc1);

    for (i = 0; i < orders_per_district; i++)
    {
        o_id         = orders_buf[i].o_id;
        o_d_id       = orders_buf[i].o_d_id;
        o_w_id       = orders_buf[i].o_w_id;
        o_c_id       = orders_buf[i].o_c_id;
        o_carrier_id = orders_buf[i].o_carrier_id;
        o_ol_cnt     = orders_buf[i].o_ol_cnt;
        o_all_local  = orders_buf[i].o_all_local;

        FormatDate(&o_entry_d);

        // send data to server
        rc = bcp_sendrow(o_hdbc1);
        if (rc != SUCCEED)
            HandleErrorDBC(o_hdbc1);

        orders_rows_loaded++;
        CheckForCommit(o_hdbc1, o_hstmt1, orders_rows_loaded, "orders",
&orders_time_start->time_start);
    }

    // rcint = bcp_batch(o_hdbc1);
    // if (rcint < 0)
    //     HandleErrorDBC(o_hdbc1);

```

```

if ((o_w_id == aptr->num_warehouses) && (o_d_id == 10))
{
    rcint = bcp_done(o_hdbc1);
    if (rcint < 0)
        HandleErrorDBC(o_hdbc1);

    SQLFreeStmt(o_hstmt1, SQL_DROP);
    SQLDisconnect(o_hdbc1);
    SQLFreeConnect(o_hdbc1);

    // if build index after load...
    if ((aptr->build_index == 1) && (aptr->index_order == 0))
        BuildIndex("idxordcl");

    // build non-clustered index
    if (aptr->build_index == 1)
        BuildIndex("idxordnc");
}

}

//=====
//
// Function   : LoadNewOrderTable
//
//=====

void LoadNewOrderTable(LOADER_TIME_STRUCT *new_order_time_start)
{
    int         i;
    long        o_id;
    short       o_d_id;
    long        o_w_id;
    RETCODE     rc;
    DBINT       rcint;

    // Bind NEW-ORDER data

    rc = bcp_bind(o_hdbc2, (BYTE *) &o_id, 0, SQL_VARLEN_DATA, NULL, 0, SQLINT4, 1);
    if (rc != SUCCEEDED)
        HandleErrorDBC(o_hdbc2);

    rc = bcp_bind(o_hdbc2, (BYTE *) &o_d_id, 0, SQL_VARLEN_DATA, NULL, 0, SQLINT2,
2);
    if (rc != SUCCEEDED)
        HandleErrorDBC(o_hdbc2);

    rc = bcp_bind(o_hdbc2, (BYTE *) &o_w_id, 0, SQL_VARLEN_DATA, NULL, 0, SQLINT4,
3);
    if (rc != SUCCEEDED)
        HandleErrorDBC(o_hdbc2);

    for (i = first_new_order; i < last_new_order; i++)
    {
        o_id   = orders_buf[i].o_id;
        o_d_id = orders_buf[i].o_d_id;
        o_w_id = orders_buf[i].o_w_id;

        rc = bcp_sendrow(o_hdbc2);
        if (rc != SUCCEEDED)
            HandleErrorDBC(o_hdbc2);
    }
}

```

```

        new_order_rows_loaded++;
        CheckForCommit(o_hdbc2, o_hstmt2, new_order_rows_loaded,
"new_order", &new_order_time_start->time_start);
    }

    // rcint = bcp_batch(o_hdbc2);
    // if (rcint < 0)
    //     HandleErrorDBC(o_hdbc2);

    if ((o_w_id == aptr->num_warehouses) && (o_d_id == 10))
    {
        rcint = bcp_done(o_hdbc2);
        if (rcint < 0)
            HandleErrorDBC(o_hdbc2);

        SQLFreeStmt(o_hstmt2, SQL_DROP);
        SQLDisconnect(o_hdbc2);
        SQLFreeConnect(o_hdbc2);

        // if build index after load...
        if ((aptr->build_index == 1) && (aptr->index_order == 0))
            BuildIndex("idxmodcl");
    }
}

//=====
//
// Function   : LoadOrderLineTable
//
//=====

void LoadOrderLineTable(LOADER_TIME_STRUCT *order_line_time_start)
{
    int         i,j;
    long        o_id;
    short       o_d_id;
    long        o_w_id;
    long        ol;
    long        ol_i_id;
    long        ol_supply_w_id;
    short       ol_quantity;
    double      ol_amount;
    char        ol_dist_info[DIST_INFO_LEN+1];
    char        ol_delivery_d[OL_DELIVERY_D_LEN+1];
    RETCODE     rc;
    DBINT       rcint;

    // bind ORDER-LINE data
    rc = bcp_bind(o_hdbc3, (BYTE *) &o_id, 0, SQL_VARLEN_DATA, NULL, 0, SQLINT4, 1);
    if (rc != SUCCEEDED)
        HandleErrorDBC(o_hdbc3);

    rc = bcp_bind(o_hdbc3, (BYTE *) &o_d_id, 0, SQL_VARLEN_DATA, NULL, 0, SQLINT2,
2);
    if (rc != SUCCEEDED)
        HandleErrorDBC(o_hdbc3);

    rc = bcp_bind(o_hdbc3, (BYTE *) &o_w_id, 0, SQL_VARLEN_DATA, NULL, 0, SQLINT4,
3);
    if (rc != SUCCEEDED)

```

```

        HandleErrorDBC(o_hdbc3);

rc = bcp_bind(o_hdbc3, (BYTE *) &ol, 0, SQL_VARLEN_DATA, NULL, 0, SQLINT4, 4);
if (rc != SUCCEED)
    HandleErrorDBC(o_hdbc3);

rc = bcp_bind(o_hdbc3, (BYTE *) &ol_i_id, 0, SQL_VARLEN_DATA, NULL, 0, SQLINT4,
5);
if (rc != SUCCEED)
    HandleErrorDBC(o_hdbc3);

rc = bcp_bind(o_hdbc3, (BYTE *) &ol_supply_w_id, 0, SQL_VARLEN_DATA, NULL, 0,
SQLINT4, 6);
if (rc != SUCCEED)
    HandleErrorDBC(o_hdbc3);

rc = bcp_bind(o_hdbc3, (BYTE *) &ol_delivery_d, 0, OL_DELIVERY_D_LEN,
NULL, 0, SQLCHARACTER, 7);
if (rc != SUCCEED)
    HandleErrorDBC(o_hdbc3);

rc = bcp_bind(o_hdbc3, (BYTE *) &ol_quantity, 0, SQL_VARLEN_DATA, NULL, 0,
SQLINT2, 8);
if (rc != SUCCEED)
    HandleErrorDBC(o_hdbc3);

rc = bcp_bind(o_hdbc3, (BYTE *) &ol_amount, 0, SQL_VARLEN_DATA, NULL, 0,
SQLFLT8, 9);
if (rc != SUCCEED)
    HandleErrorDBC(o_hdbc3);

rc = bcp_bind(o_hdbc3, (BYTE *) ol_dist_info, 0, DIST_INFO_LEN, NULL, 0, 0, 10);
if (rc != SUCCEED)
    HandleErrorDBC(o_hdbc3);

for (i = 0; i < orders_per_district; i++)
{
    o_id = orders_buf[i].o_id;
    o_d_id = orders_buf[i].o_d_id;
    o_w_id = orders_buf[i].o_w_id;

    for (j=0; j < orders_buf[i].o_ol_cnt; j++)
    {
        ol = orders_buf[i].o_ol[j].ol;
        ol_i_id = orders_buf[i].o_ol[j].ol_i_id;
        ol_supply_w_id = orders_buf[i].o_ol[j].ol_supply_w_id;
        ol_quantity = orders_buf[i].o_ol[j].ol_quantity;
        ol_amount = orders_buf[i].o_ol[j].ol_amount;

strcpy(ol_delivery_d,orders_buf[i].o_ol[j].ol_delivery_d);

strcpy(ol_dist_info,orders_buf[i].o_ol[j].ol_dist_info);

rc = bcp_sendrow(o_hdbc3);
if (rc != SUCCEED)
    HandleErrorDBC(o_hdbc3);

order_line_rows_loaded++;
CheckForCommit(o_hdbc3, o_hstmt3,
order_line_rows_loaded, "order_line", &order_line_time_start->time_start);
}
}

```

```

}

// rcint = bcp_batch(o_hdbc3);
// if (rcint < 0)
//     HandleErrorDBC(o_hdbc3);

if ((o_w_id == aptr->num_warehouses) && (o_d_id == 10))
{
    rcint = bcp_done(o_hdbc3);
    if (rcint < 0)
        HandleErrorDBC(o_hdbc3);

    SQLFreeStmt(o_hstmt3, SQL_DROP);
    SQLDisconnect(o_hdbc3);
    SQLFreeConnect(o_hdbc3);

    // if build index after load...
    if ((aptr->build_index == 1) && (aptr->index_order == 0))
        BuildIndex("idxodlc1");
}
}

//=====
//
// Function : GetPermutation
//
//=====

void GetPermutation(int perm[], int n)
{
    int i, r, t;

    for (i=1;i<=n;i++)
        perm[i] = i;

    for (i=1;i<=n;i++)
    {
        r = RandomNumber(i,n);
        t = perm[i];
        perm[i] = perm[r];
        perm[r] = t;
    }
}

//=====
//
// Function : CheckForCommit
//
//=====

void CheckForCommit(HDBC hdbc,
                    HSTMT hstmt,
                    long rows_loaded,
                    char *table_name,
                    long *time_start)
{
}

```

```

long time_end, time_diff;
// DBINT rcint;

if ( !(rows_loaded % aptr->batch) )
{
    // rcint = bcp_batch(hdbc);
    // if (rcint < 0)
    //     HandleErrorDBC(hdbc);

    time_end = (TimeNow() / MILLI);
    time_diff = time_end - *time_start;

    printf("-> Loaded %ld rows into %s in %ld sec - Total = %d (%.2f
rps)\n",
        aptr->batch,
        table_name,
        time_diff,
        rows_loaded,
        (float) aptr->batch / (time_diff ? time_diff
: 1L));

    *time_start = time_end;
}

return;
}

//=====
//
// Function : OpenConnections
//
//=====
void OpenConnections()
{
    RETCODE rc;

    char szDriverString[300];
    char szDriverStringOut[1024];
    SQLSMALLINT cbDriverStringOut;

    SQLAllocHandle(SQL_HANDLE_ENV, SQL_NULL_HANDLE, &henv );

    SQLSetEnvAttr(henv, SQL_ATTR_ODBC_VERSION, (void*)SQL_OV_ODBC3, 0 );

    SQLAllocHandle(SQL_HANDLE_DBC, henv, &i_hdbc1);
    SQLAllocHandle(SQL_HANDLE_DBC, henv, &w_hdbc1);
    SQLAllocHandle(SQL_HANDLE_DBC, henv, &c_hdbc1);
    SQLAllocHandle(SQL_HANDLE_DBC, henv, &c_hdbc2);
    SQLAllocHandle(SQL_HANDLE_DBC, henv, &o_hdbc1);
    SQLAllocHandle(SQL_HANDLE_DBC, henv, &o_hdbc2);
    SQLAllocHandle(SQL_HANDLE_DBC, henv, &o_hdbc3);

    SQLSetConnectAttr(i_hdbc1, SQL_COPT_SS_BCP, (void *)SQL_BCP_ON,
SQL_IS_INTEGER );
    SQLSetConnectAttr(w_hdbc1, SQL_COPT_SS_BCP, (void *)SQL_BCP_ON,
SQL_IS_INTEGER );
    SQLSetConnectAttr(c_hdbc1, SQL_COPT_SS_BCP, (void *)SQL_BCP_ON,
SQL_IS_INTEGER );

```

```

    SQLSetConnectAttr(c_hdbc2, SQL_COPT_SS_BCP, (void *)SQL_BCP_ON,
SQL_IS_INTEGER );
    SQLSetConnectAttr(o_hdbc1, SQL_COPT_SS_BCP, (void *)SQL_BCP_ON,
SQL_IS_INTEGER );
    SQLSetConnectAttr(o_hdbc2, SQL_COPT_SS_BCP, (void *)SQL_BCP_ON,
SQL_IS_INTEGER );
    SQLSetConnectAttr(o_hdbc3, SQL_COPT_SS_BCP, (void *)SQL_BCP_ON,
SQL_IS_INTEGER );

    // Open connections to SQL Server

    // Connection 1

    sprintf( szDriverString, "DRIVER={SQL
Server};SERVER=%s;UID=%s;PWD=%s;DATABASE=%s" ,
        aptr->server,
        aptr->user,
        aptr->password,
        aptr->database );

    rc = SQLSetConnectOption (i_hdbc1, SQL_PACKET_SIZE, aptr->pack_size);
    if (rc != SUCCEED)
        HandleErrorDBC(i_hdbc1);

    rc = SQLDriverConnect ( i_hdbc1,
        NULL,
        (SQLCHAR*)&szDriverString[0],
        SQL_NTS,
        (SQLCHAR*)&szDriverStringOut[0],
        sizeof(szDriverStringOut),
        &cbDriverStringOut,
        SQL_DRIVER_NOPROMPT );

    if (rc != SUCCEED)
        HandleErrorDBC(i_hdbc1);

    // Connection 2

    sprintf( szDriverString, "DRIVER={SQL
Server};SERVER=%s;UID=%s;PWD=%s;DATABASE=%s" ,
        aptr->server,
        aptr->user,
        aptr->password,
        aptr->database );

    rc = SQLSetConnectOption (w_hdbc1, SQL_PACKET_SIZE, aptr->pack_size);
    if (rc != SUCCEED)
        HandleErrorDBC(w_hdbc1);

    rc = SQLDriverConnect ( w_hdbc1,
        NULL,
        (SQLCHAR*)&szDriverString[0],
        SQL_NTS,
        (SQLCHAR*)&szDriverStringOut[0],
        sizeof(szDriverStringOut),
        &cbDriverStringOut,

```

```

SQL_DRIVER_NOPROMPT );
if (rc != SUCCEED)
    HandleErrorDBC(w_hdbc1);

// Connection 3
sprintf( szDriverString , "DRIVER={SQL
Server};SERVER=%s;UID=%s;PWD=%s;DATABASE=%s" ,
aptr->server,
aptr->user,
aptr->password,
aptr->database );

rc = SQLSetConnectOption (c_hdbc1, SQL_PACKET_SIZE, aptr->pack_size);
if (rc != SUCCEED)
    HandleErrorDBC(c_hdbc1);

rc = SQLDriverConnect ( c_hdbc1,
NULL,
(SQLCHAR*)&szDriverString[0] ,
SQL_NTS,
(SQLCHAR*)&szDriverStringOut[0],
sizeof(szDriverStringOut),
&cbDriverStringOut,
SQL_DRIVER_NOPROMPT );
if (rc != SUCCEED)
    HandleErrorDBC(c_hdbc1);

// Connection 4
sprintf( szDriverString , "DRIVER={SQL
Server};SERVER=%s;UID=%s;PWD=%s;DATABASE=%s" ,
aptr->server,
aptr->user,
aptr->password,
aptr->database );

rc = SQLSetConnectOption (c_hdbc2, SQL_PACKET_SIZE, aptr->pack_size);
if (rc != SUCCEED)
    HandleErrorDBC(c_hdbc2);

rc = SQLDriverConnect ( c_hdbc2,
NULL,
(SQLCHAR*)&szDriverString[0] ,
SQL_NTS,
(SQLCHAR*)&szDriverStringOut[0],
sizeof(szDriverStringOut),
&cbDriverStringOut,
SQL_DRIVER_NOPROMPT );
if (rc != SUCCEED)
    HandleErrorDBC(c_hdbc2);

```

```

// Connection 5
sprintf( szDriverString , "DRIVER={SQL
Server};SERVER=%s;UID=%s;PWD=%s;DATABASE=%s" ,
aptr->server,
aptr->user,
aptr->password,
aptr->database );

rc = SQLSetConnectOption (o_hdbc1, SQL_PACKET_SIZE, aptr->pack_size);
if (rc != SUCCEED)
    HandleErrorDBC(o_hdbc1);

rc = SQLDriverConnect ( o_hdbc1,
NULL,
(SQLCHAR*)&szDriverString[0] ,
SQL_NTS,
(SQLCHAR*)&szDriverStringOut[0],
sizeof(szDriverStringOut),
&cbDriverStringOut,
SQL_DRIVER_NOPROMPT );
if (rc != SUCCEED)
    HandleErrorDBC(o_hdbc1);

// Connection 6
sprintf( szDriverString , "DRIVER={SQL
Server};SERVER=%s;UID=%s;PWD=%s;DATABASE=%s" ,
aptr->server,
aptr->user,
aptr->password,
aptr->database );

rc = SQLSetConnectOption (o_hdbc2, SQL_PACKET_SIZE, aptr->pack_size);
if (rc != SUCCEED)
    HandleErrorDBC(o_hdbc2);

rc = SQLDriverConnect ( o_hdbc2,
NULL,
(SQLCHAR*)&szDriverString[0] ,
SQL_NTS,
(SQLCHAR*)&szDriverStringOut[0],
sizeof(szDriverStringOut),
&cbDriverStringOut,
SQL_DRIVER_NOPROMPT );
if (rc != SUCCEED)
    HandleErrorDBC(o_hdbc2);

// Connection 7
sprintf( szDriverString , "DRIVER={SQL
Server};SERVER=%s;UID=%s;PWD=%s;DATABASE=%s" ,
aptr->server,

```

```

                                aptr->user,
                                aptr->password,
                                aptr->database );

rc = SQLSetConnectOption ( o_hdbc3, SQL_PACKET_SIZE, aptr->pack_size);
if (rc != SUCCEEDED)
    HandleErrorDBC(o_hdbc3);

rc = SQLDriverConnect ( o_hdbc3,                                NULL,

(SQLCHAR*)&szDriverString[0] ,                                SQL_NTS,

(SQLCHAR*)&szDriverStringOut[0] ,

sizeof(szDriverStringOut),

&cbDriverStringOut,

SQL_DRIVER_NOPROMPT );
if (rc != SUCCEEDED)
    HandleErrorDBC(o_hdbc3);
}

//=====
//
// Function name: BuildIndex
//
//=====

void BuildIndex(char          *index_script)
{
    char          cmd[256];

    printf("Starting index creation:  %s\n",index_script);

    sprintf(cmd, "isql -S%s -U%s -P%s -e -i%s\\%s.sql > %s\\%s.log",
            aptr->server,
            aptr->user,
            aptr->password,
            aptr->index_script_path,
            index_script,
            LogBase,
            index_script);

    system(cmd);

    printf("Finished index creation:  %s\n",index_script);
}

void HandleErrorDBC (SQLHDBC  hdbc1)
{
    SQLCHAR          SqlState[6], Msg[SQL_MAX_MESSAGE_LENGTH];
    SQLINTEGER  NativeError;
    SQLSMALLINT i, MsgLen;
    SQLRETURN  rc2;
    char          timebuf[128];
    char          datebuf[128];
    FILE          *fp1;

    i = 1;
    while (( rc2 = SQLGetDiagRec(SQL_HANDLE_DBC , hdbc1, i, SqlState ,
&NativeError,
                                Msg, sizeof(Msg) , &MsgLen )) !=
SQL_NO_DATA )
    {
        sprintf( szLastError , "%s" , Msg );

        _strtime(timebuf);
        _strdate(datebuf);

        printf( "[%s : %s] %s\n" , datebuf, timebuf, szLastError);

        LOGFILE_CREATE("\\tpccldr.err")
        fp1 = fopen(LogFile,"w");
        if (fp1 == NULL)
            printf("ERROR:  Unable to open errorlog file.\n");
        else
        {
            fprintf(fp1, "[%s : %s] %s\n" , datebuf, timebuf,
szLastError);
            fclose(fp1);
        }
        i++;
    }
}

void HandleErrorSTMT (HSTMT  hstmt1)
{
    SQLCHAR          SqlState[6], Msg[SQL_MAX_MESSAGE_LENGTH];
    SQLINTEGER  NativeError;
    SQLSMALLINT i, MsgLen;
    SQLRETURN  rc2;
    char          timebuf[128];
    char          datebuf[128];
    FILE          *fp1;

    i = 1;
    while (( rc2 = SQLGetDiagRec(SQL_HANDLE_STMT , hstmt1, i, SqlState ,
&NativeError,
                                Msg, sizeof(Msg) , &MsgLen )) !=
SQL_NO_DATA )
    {
        sprintf( szLastError , "%s" , Msg );

        _strtime(timebuf);
        _strdate(datebuf);

        printf( "[%s : %s] %s\n" , datebuf, timebuf, szLastError);

        LOGFILE_CREATE("\\tpccldr.err")
        fp1 = fopen(LogFile,"w");
        if (fp1 == NULL)
            printf("ERROR:  Unable to open errorlog file.\n");
        else
        {

```

```

                                Msg, sizeof(Msg) , &MsgLen )) !=
SQL_NO_DATA )
    {
        sprintf( szLastError , "%s" , Msg );

        _strtime(timebuf);
        _strdate(datebuf);

        printf( "[%s : %s] %s\n" , datebuf, timebuf, szLastError);

        LOGFILE_CREATE("\\tpccldr.err")
        fp1 = fopen(LogFile,"w");
        if (fp1 == NULL)
            printf("ERROR:  Unable to open errorlog file.\n");
        else
        {
            fprintf(fp1, "[%s : %s] %s\n" , datebuf, timebuf,
szLastError);
            fclose(fp1);
        }
        i++;
    }
}

void HandleErrorSTMT (HSTMT  hstmt1)
{
    SQLCHAR          SqlState[6], Msg[SQL_MAX_MESSAGE_LENGTH];
    SQLINTEGER  NativeError;
    SQLSMALLINT i, MsgLen;
    SQLRETURN  rc2;
    char          timebuf[128];
    char          datebuf[128];
    FILE          *fp1;

    i = 1;
    while (( rc2 = SQLGetDiagRec(SQL_HANDLE_STMT , hstmt1, i, SqlState ,
&NativeError,
                                Msg, sizeof(Msg) , &MsgLen )) !=
SQL_NO_DATA )
    {
        sprintf( szLastError , "%s" , Msg );

        _strtime(timebuf);
        _strdate(datebuf);

        printf( "[%s : %s] %s\n" , datebuf, timebuf, szLastError);

        LOGFILE_CREATE("\\tpccldr.err")
        fp1 = fopen(LogFile,"w");
        if (fp1 == NULL)
            printf("ERROR:  Unable to open errorlog file.\n");
        else
        {

```



```

                fprintf(fp1, "[%s : %s] %s\n", datebuf, timebuf,
szLastError);
            }
            fclose(fp1);
            i++;
        }
    }

void FormatDate ( char* szTimeCOutput )
{
    struct tm when;
    time_t now;

    time( &now );
    when = *localtime( &now );

    mktime( &when );

    // odbc datetime format
    strftime( szTimeCOutput , 30 , "%Y-%m-%d %H:%M:%S.000", &when );

    return;
}

//=====
//
// Function   : CheckDataBase
//
//=====
void CheckDataBase()
{
    RETCODE      rc;

    char          szDriverString[300];
    char          szDriverStringOut[1024];
    char          TablesBitMap[9] = {"0000000000"};
    int           i, ExitFlag;

    SQLSMALLINT  cbDriverStringOut;
    SQLCHAR      TabName[10];
    SQLINTEGER   TabNameInd, TabCount, TabCountInd;

    ExitFlag = 0;

    SQLAllocHandle(SQL_HANDLE_ENV, SQL_NULL_HANDLE, &henv );

    SQLSetEnvAttr(henv, SQL_ATTR_ODBC_VERSION, (void*)SQL_OV_ODBC3, 0 );

    SQLAllocHandle(SQL_HANDLE_DBC, henv , &hdbc);

    SQLSetConnectAttr(v_hdbc, SQL_COPT_SS_BCP, (void *)SQL_BCP_ON,
SQL_IS_INTEGER );

    // Open connection to SQL Server

```

```

        sprintf( szDriverString , "DRIVER={SQL
Server};SERVER=%s;UID=%s;PWD=%s;DATABASE=%s" ,
                aptr->server,
                aptr->user,
                aptr->password,
                aptr->database );

        rc = SQLSetConnectAttr( v_hdbc, SQL_ATTR_PACKET_SIZE, (SQLPOINTER)aptr->pack_size, SQL_IS_INTEGER );
        if (rc != SQL_SUCCESS)
            HandleErrorDBC(v_hdbc);

        rc = SQLDriverConnect ( v_hdbc,
                                NULL,
                                (SQLCHAR*)&szDriverString[0] ,
                                SQL_NTS,
                                (SQLCHAR*)&szDriverStringOut[0],
                                sizeof(szDriverStringOut),
                                &cbDriverStringOut,
                                SQL_DRIVER_NOPROMPT );

        // if the rc is SQL_ERROR, the the TPCC database probably does not exist
        if (rc == SQL_ERROR)
        {
            printf("The database TPCC does not appear to exist!\n");
            printf("\nCheck %s\\ directory for database creation errors.\n",
LogBase);

            // cleanup database connections and handles
            SQLFreeHandle(SQL_HANDLE_STMT, v_hstmt);
            SQLDisconnect(v_hdbc);
            SQLFreeHandle(SQL_HANDLE_DBC, v_hdbc);

            // since there is not a database, exit back to SETUP.CMD
            exit(1);
        }

        if ( SQLAllocHandle(SQL_HANDLE_STMT, v_hdbc , &v_hstmt) != SQL_SUCCESS )
            HandleErrorDBC(v_hdbc);

        if ( SQLBindCol(v_hstmt, 1, SQL_C_ULONG, &TabCount, 0, &TabCountInd) !=
SQL_SUCCESS )
            HandleErrorSTMT(v_hstmt);

        // count the number of user tables from sysobjects
        rc = SQLExecDirect(v_hstmt, "select count(*) from sysobjects where xtype =
'U'", SQL_NTS);
        if ((rc != SQL_SUCCESS) && (rc != SQL_SUCCESS_WITH_INFO))
            HandleErrorSTMT(v_hstmt);

        if ( SQLFetch(v_hstmt) != SQL_SUCCESS )
            HandleErrorSTMT(v_hstmt);

        // if the number of tables is less than 9, select all the user tables in
TPCC
        if (TabCount != 9)
        {
            SQLFreeHandle(SQL_HANDLE_STMT, v_hstmt);
            SQLAllocHandle(SQL_HANDLE_STMT, v_hdbc , &v_hstmt);

```



```

                {
                    printf("The Stock table is missing
or damaged.\n");
                }
                }
                }
                break;
            }
        }
    }
}

// if one or more tables are missing, display message and exit
the loader
if (ExitFlag = 1)
{
    printf("\nExiting TPC-C Loader!\n");
    printf("\nCheck %s\ directory for database\n",
LogBase);

    printf("or table creation errors.\n");

    // cleanup database connections and handles
    SQLFreeHandle(SQL_HANDLE_STMT, v_hstmt);
    SQLDisconnect(v_hdbc);
    SQLFreeHandle(SQL_HANDLE_DBC, v_hdbc);

    exit(1);
}

// cleanup database connections and handles
SQLFreeHandle(SQL_HANDLE_STMT, v_hstmt);
SQLDisconnect(v_hdbc);
SQLFreeHandle(SQL_HANDLE_DBC, v_hdbc);

return;
}

```

time.c

```

//      File:          TIME.C
//      Microsoft TPC-C Kit Ver. 4.30
//      Copyright Microsoft, 1996, 1997, 1998,
1999,2000
//      Purpose:  Source file for time functions

// Includes
#include "tpcc.h"

// Globals
static long start_sec;

//=====
//
// Function name: TimeNow
//
//=====

long TimeNow()
{
    long          time_now;
    struct _timeb el_time;

```

```

#ifdef DEBUG
    printf("[%ld]DBG: Entering TimeNow()\n", (int) GetCurrentThreadId());
#endif

    _ftime(&el_time);

    time_now = ((el_time.time - start_sec) * 1000) + el_time.millitm;

    return time_now;
}

```

strings.c

```

//      File:          STRINGS.C
//      Microsoft TPC-C Kit Ver. 4.30
//      Copyright Microsoft, 1996, 1997, 1998, 1999,
2000
//      Purpose:  Source file for database loader string functions

// Includes
#include "tpcc.h"
#include <string.h>
#include <ctype.h>

//=====
//
// Function name: MakeAddress
//
//=====

void MakeAddress(char *street_1,
                char *street_2,
                char *city,
                char *state,
                char *zip)
{
#ifdef DEBUG
    printf("[%ld]DBG: Entering MakeAddress()\n", (int) GetCurrentThreadId());
#endif

    MakeAlphaString (10, 20, ADDRESS_LEN, street_1);
    MakeAlphaString (10, 20, ADDRESS_LEN, street_2);
    MakeAlphaString (10, 20, ADDRESS_LEN, city);
    MakeAlphaString ( 2,  2, STATE_LEN, state);
    MakeZipNumberString( 9,  9, ZIP_LEN, zip);

#ifdef DEBUG
    printf("[%ld]DBG: MakeAddress: street_1: %s, street_2: %s, city: %s, state: %s,
zip: %s\n",
                (int) GetCurrentThreadId(), street_1, street_2, city,
state, zip);
#endif

    return;
}

```

```

//=====
//
// Function name: LastName
//
//=====
void LastName(int num,
             char *name)
{
    static char *n[] =
    {
        "BAR" , "OUGHT" , "ABLE" , "PRI" , "PRES",
        "ESE" , "ANTI" , "CALLY" , "ATION" , "EING"
    };

#ifdef DEBUG
    printf("[%ld]DBG: Entering LastName()\n", (int) GetCurrentThreadId());
#endif

    if ((num >= 0) && (num < 1000))
    {
        strcpy(name, n[(num/100)%10]);
        strcat(name, n[(num/10)%10]);
        strcat(name, n[(num/1)%10]);

        if (strlen(name) < LAST_NAME_LEN)
        {
            PaddString(LAST_NAME_LEN, name);
        }
    }
    else
    {
        printf("\nError in LastName()... num <=%ld out of range
(0,999)\n", num);
        exit(-1);
    }

#ifdef DEBUG
    printf("[%ld]DBG: LastName: num = [%d] ==> [%d][%d][%d]\n",
           (int) GetCurrentThreadId(), num, num/100, (num/10)%10,
           num%10);
    printf("[%ld]DBG: LastName: String = %s\n", (int) GetCurrentThreadId(),
           name);
#endif

    return;
}

//=====
//
// Function name: MakeAlphaString
//
//=====
//philipdu 08/13/96 Changed MakeAlphaString to use A-Z, a-z, and 0-9 in
//accordance with spec see below:
//The spec says:
//4.3.2.2 The notation random a-string [x .. y]
//(respectively, n-string [x .. y]) represents a string of random alphanumeric

```

```

//(respectively, numeric) characters of a random length of minimum x, maximum y,
//and mean (y+x)/2. Alphanumerics are A..Z, a..z, and 0..9. The only other
//requirement is that the character set used "must be able to represent a minimum
//of 128 different characters". We are using 8-bit chars, so this is a non issue.
//It is completely unreasonable to stuff non-printing chars into the text fields.
//-CLevine 08/13/96

int MakeAlphaString( int x, int y, int z, char *str)
{
    int len;
    int i;
    char cc = 'a';
    static char chArray[] =
    "0123456789ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz";
    static int chArrayMax = 61;

#ifdef DEBUG
    printf("[%ld]DBG: Entering MakeAlphaString()\n", (int) GetCurrentThreadId());
#endif

    len= RandomNumber(x, y);
    for (i=0; i<len; i++)
    {
        cc = chArray[RandomNumber(0, chArrayMax)];
        str[i] = cc;
    }
    if ( len < z )
        memset(str+len, ' ', z - len);
    str[z] = 0;

    return len;
}

//=====
//
// Function name: MakeOriginalAlphaString
//
//=====
int MakeOriginalAlphaString(int x,
                           int y,
                           int z,
                           char *str,
                           int percent)
{
    int len;
    int val;
    int start;

#ifdef DEBUG
    printf("[%ld]DBG: Entering MakeOriginalAlphaString()\n", (int)
           GetCurrentThreadId());
#endif

    // verify percentage is valid
    if ((percent < 0) || (percent > 100))
    {
        printf("MakeOriginalAlphaString: Invalid percentage: %d\n",
               percent);
        exit(-1);
    }
}

```

```

// verify string is at least 8 chars in length
if ((x + y) <= 8)
{
    printf("MakeOriginalAlphaString: string length must be >= 8\n");
    exit(-1);
}

// Make Alpha String
len = MakeAlphaString(x,y, z, str);

val = RandomNumber(1,100);
if (val <= percent)
{
    start = RandomNumber(0, len - 8);
    strncpy(str + start, "ORIGINAL", 8);
}

#ifdef DEBUG
printf("[%ld]DBG: MakeOriginalAlphaString: : %s\n",
      (int) GetCurrentThreadId(), str);
#endif

return strlen(str);
}

//=====
//
// Function name: MakeNumberString
//
//=====
int MakeNumberString(int x, int y, int z, char *str)
{
    char tmp[16];

    //MakeNumberString is always called MakeZipNumberString(16, 16, 16,
string)

    memset(str, '0', 16);
    itoa(RandomNumber(0, 99999999), tmp, 10);
    memcpy(str, tmp, strlen(tmp));

    itoa(RandomNumber(0, 99999999), tmp, 10);
    memcpy(str+8, tmp, strlen(tmp));

    str[16] = 0;

    return 16;
}

//=====
//
// Function name: MakeZipNumberString
//
//=====
int MakeZipNumberString(int x, int y, int z, char *str)
{
    char tmp[16];

```

```

//MakeZipNumberString is always called MakeZipNumberString(9, 9, 9,
string)

    strcpy(str, "000011111");

    itoa(RandomNumber(0, 9999), tmp, 10);
    memcpy(str, tmp, strlen(tmp));

    return 9;
}

//=====
//
// Function name: InitString
//
//=====
void InitString(char *str, int len)
{
#ifdef DEBUG
printf("[%ld]DBG: Entering InitString()\n", (int) GetCurrentThreadId());
#endif

    memset(str, ' ', len);
    str[len] = 0;
}

//=====
//
// Function name: InitAddress
//
// Description:
//
//=====
void InitAddress(char *street_1, char *street_2, char *city, char *state, char *zip)
{
    memset(street_1, ' ', ADDRESS_LEN+1);
    memset(street_2, ' ', ADDRESS_LEN+1);
    memset(city, ' ', ADDRESS_LEN+1);

    street_1[ADDRESS_LEN+1] = 0;
    street_2[ADDRESS_LEN+1] = 0;
    city[ADDRESS_LEN+1] = 0;

    memset(state, ' ', STATE_LEN+1);
    state[STATE_LEN+1] = 0;

    memset(zip, ' ', ZIP_LEN+1);
    zip[ZIP_LEN+1] = 0;
}

//=====
//
// Function name: PaddString
//
//=====
void PaddString(int max, char *name)
{
    int          len;

```

```

len = strlen(name);
if ( len < max )
    memset(name+len, ' ', max - len);
name[max] = 0;

return;
}

```

random.c

```

// File: RANDOM.C
// Microsoft TPC-C Kit Ver. 4.30
// Copyright Microsoft, 1996, 1997, 1998, 1999,
2000
// Purpose: Random number generation routines for database loader

// Includes
#include "tpcc.h"
#include "math.h"

// Defines
#define A 16807
#define M 2147483647
#define Q 127773 /* M div A */
#define R 2836 /* M mod A */
#define Thread __declspec(thread)

// Globals
long Thread Seed = 0; /* thread local seed */

/*****
 *
 * random -
 * Implements a GOOD pseudo random number generator. This generator
 * will/should? run the complete period before repeating.
 *
 * Copied from:
 * Random Numbers Generators: Good Ones Are Hard to Find.
 * Communications of the ACM - October 1988 Volume 31 Number 10
 *
 * Machine Dependencies:
 * long must be 2 ^ 31 - 1 or greater.
 *
 *****/

/*****
 * seed - load the Seed value used in irand and drand. Should be used before *
 * first call to irand or drand.
 *****/

void seed(long val)
{
#ifdef DEBUG
    printf("[%d]DBG: Entering seed()...\n", (int) GetCurrentThreadId());
    printf("Old Seed %ld New Seed %ld\n",Seed, val);
#endif

    if ( val < 0 )
        val = abs(val);

```

```

Seed = val;
}

/*****
 *
 * irand - returns a 32 bit integer pseudo random number with a period of
 * 1 to 2 ^ 32 - 1.
 *
 * parameters:
 * none.
 *
 * returns:
 * 32 bit integer - defined as long ( see above ).
 *
 * side effects:
 * seed get recomputed.
 *****/

long irand()
{
    register long s; /* copy of seed */
    register long test; /* test flag */
    register long hi; /* tmp value for speed */
    register long lo; /* tmp value for speed */

#ifdef DEBUG
    printf("[%d]DBG: Entering irand()...\n", (int) GetCurrentThreadId());
#endif

    s = Seed;
    hi = s / Q;
    lo = s % Q;

    test = A * lo - R * hi;
    if ( test > 0 )
        Seed = test;
    else
        Seed = test + M;

    return( Seed );
}

/*****
 *
 * drand - returns a double pseudo random number between 0.0 and 1.0.
 * See irand.
 *****/

double drand()
{
#ifdef DEBUG
    printf("[%d]DBG: Entering drand()...\n", (int) GetCurrentThreadId());
#endif

    return( (double)irand() / 2147483647.0 );
}

//=====
// Function : RandomNumber

```

```

//
// Description:
//=====
long RandomNumber(long lower, long upper)
{
    long rand_num;

#ifdef DEBUG
    printf("[%ld]DBG: Entering RandomNumber()...\n", (int) GetCurrentThreadId());
#endif

    if ( upper == lower )          /* pgd 08-13-96 perf enhancement */
        return lower;

    upper++;

    if ( upper <= lower )
        rand_num = upper;
    else
        rand_num = lower + irand() % (upper - lower); /* pgd 08-13-96
perf enhancement */

#ifdef DEBUG
    printf("[%ld]DBG: RandomNumber between %ld & %ld ==> %ld\n",
           (int) GetCurrentThreadId(), lower, upper,
           rand_num);
#endif

    return rand_num;
}

#if 0
//Original code pgd 08/13/96
long RandomNumber(long lower,
                  long upper)
{
    long rand_num;

#ifdef DEBUG
    printf("[%ld]DBG: Entering RandomNumber()...\n", (int) GetCurrentThreadId());
#endif

    upper++;

    if ((upper <= lower))
        rand_num = upper;
    else
        rand_num = lower + irand() % ((upper > lower) ? upper - lower :
upper);

#ifdef DEBUG
    printf("[%ld]DBG: RandomNumber between %ld & %ld ==> %ld\n",
           (int) GetCurrentThreadId(), lower, upper,
           rand_num);
#endif
#endif

```

```

        return rand_num;
    }
#endif

//=====
// Function   : NURand
//
// Description:
//=====
long NURand(int iConst,
            long x,
            long y,
            long C)
{
    long rand_num;

#ifdef DEBUG
    printf("[%ld]DBG: Entering NURand()...\n", (int) GetCurrentThreadId());
#endif

    rand_num = (((RandomNumber(0,iConst) | RandomNumber(x,y)) + C) % (y-x+1))+x;

#ifdef DEBUG
    printf("[%ld]DBG: NURand: num = %d\n", (int) GetCurrentThreadId(), rand_num);
#endif

    return rand_num;
}

```

Appendix C: Tunable Parameters

Microsoft SQL Server 8.0 Configuration Parameters

name	minimum	maximum	config_value	run_value
affinity mask	0	2147483647	255	255
allow updates	0	1	0	0
c2 audit mode	0	1	0	0
cost threshold for parallelism	0	32767	5	5
cursor threshold	-1	2147483647	-1	-1
default full-text language	0	2147483647	1033	1033
default language	0	9999	0	0
fill factor (%)	0	100	0	0
index create memory (KB)	704	1600000	0	0
language in cache	3	100	3	3
lightweight pooling	0	1	0	0
locks	5000	2147483647	0	0
max degree of parallelism	0	32	0	0
max server memory (MB)	4	2147483647	2147483647	2147483647
max text repl size (B)	0	2147483647	65536	65536
max worker threads	10	1024	400	400
media retention	0	365	0	0
min memory per query (KB)	512	2147483647	1024	1024
min server memory (MB)	0	2147483647	0	0
nested triggers	0	1	1	1
network packet size (B)	512	65535	4096	4096
open objects	0	2147483647	0	0
priority boost				

query governor cost limit	0	1	1	1
query wait (s)	0	2147483647	0	0
recovery interval (min)	-1	2147483647	-1	-1
remote access	0	32767	32767	32767
remote login timeout (s)	0	1	1	1
remote proc trans	0	2147483647	0	0
remote query timeout (s)	0	1	0	0
scan for startup procs	0	2147483647	60	60
set working set size	0	1	0	0
show advanced options	0	1	0	0
two digit year cutoff	0	1	1	1
user connections	1753	9999	2049	2049
user options	0	32767	0	0
	0	16383	0	0

Benchcraft Profile

Profile: 8-nodesx1800_new
File Path: C:\BenchCraft\8-nodesx1800_new.pro
Version: 2

Number of Engines: 24

Name: FE01
Description:
Directory: c:\temp\FE01.log
Machine: N1
Parameter Set: 2.4
Index: 0
Seed: 18546
Configured Users: 6000
Pipe Name: DRIVER185943500
Connect Rate: 0
Start Rate: 0
Max. Concurrency: 1
Concurrency Rate: 0
CLIENT_NURAND: 233
CPU: 1

Name: FE02
Description:
Directory: c:\temp\FE02.log
Machine: N1
Parameter Set: 2.4
Index: 50000000
Seed: 18546
Configured Users: 6000
Pipe Name: DRIVER286005718

Connect Rate: 0
Start Rate: 0
Max. Concurrency: 1
Concurrency Rate: 0
CLIENT_NURAND: 233
CPU: 2

Name: FE03
Description:
Directory: c:\temp\FE03.log
Machine: N1
Parameter Set: 2.4
Index: 100000000
Seed: 18546
Configured Users: 6000
Pipe Name: DRIVER486111687
Connect Rate: 0
Start Rate: 0
Max. Concurrency: 1
Concurrency Rate: 0
CLIENT_NURAND: 233
CPU: 3

Name: FE04
Description:
Directory: c:\temp\FE04.log
Machine: N2
Parameter Set: 2.4
Index: 150000000
Seed: 18546
Configured Users: 6000
Pipe Name: DRIVER61351046
Connect Rate: 0
Start Rate: 0
Max. Concurrency: 1
Concurrency Rate: 0
CLIENT_NURAND: 233
CPU: 1

Name: FE05
Description:
Directory: c:\temp\FE05.log
Machine: N2
Parameter Set: 2.4
Index: 200000000
Seed: 18546
Configured Users: 6000
Pipe Name: DRIVER51445656
Connect Rate: 0
Start Rate: 0
Max. Concurrency: 1
Concurrency Rate: 0
CLIENT_NURAND: 233
CPU: 2

Name: FE06
Description:
Directory: c:\temp\FE06.log
Machine: N2
Parameter Set: 2.4
Index: 250000000
Seed: 18546
Configured Users: 6000

Pipe Name: DRIVER61470359
Connect Rate: 0
Start Rate: 0
Max. Concurrency: 1
Concurrency Rate: 0
CLIENT_NURAND: 233
CPU: 3

Name: FE07
Description:
Directory: c:\temp\FE07.log
Machine: N3
Parameter Set: 2.4
Index: 300000000
Seed: 18546
Configured Users: 6000
Pipe Name: DRIVER71530812
Connect Rate: 0
Start Rate: 0
Max. Concurrency: 1
Concurrency Rate: 0
CLIENT_NURAND: 233
CPU: 1

Name: FE08
Description:
Directory: c:\temp\FE08.log
Machine: N3
Parameter Set: 2.4
Index: 350000000
Seed: 18546
Configured Users: 6000
Pipe Name: DRIVER81559609
Connect Rate: 0
Start Rate: 0
Max. Concurrency: 1
Concurrency Rate: 0
CLIENT_NURAND: 233
CPU: 2

Name: FE09
Description:
Directory: c:\temp\FE09.log
Machine: N3
Parameter Set: 2.4
Index: 400000000
Seed: 18546
Configured Users: 6000
Pipe Name: DRIVER91581734
Connect Rate: 0
Start Rate: 0
Max. Concurrency: 1
Concurrency Rate: 0
CLIENT_NURAND: 233
CPU: 3

Name: FE10
Description:
Directory: c:\temp\FE10.log
Machine: N4
Parameter Set: 2.4
Index: 450000000
Seed: 18546

Configured Users: 6000
Pipe Name: DRIVER101796593
Connect Rate: 0
Start Rate: 0
Max. Concurrency: 1
Concurrency Rate: 0
CLIENT_NURAND: 233
CPU: 1

Name: FE11
Description:
Directory: c:\temp\FE11.log
Machine: N4
Parameter Set: 2.4
Index: 500000000
Seed: 18546
Configured Users: 6000
Pipe Name: DRIVER111815125
Connect Rate: 0
Start Rate: 0
Max. Concurrency: 1
Concurrency Rate: 0
CLIENT_NURAND: 233
CPU: 2

Name: FE12
Description:
Directory: c:\temp\FE12.log
Machine: N4
Parameter Set: 2.4
Index: 550000000
Seed: 18546
Configured Users: 6000
Pipe Name: DRIVER121847578
Connect Rate: 0
Start Rate: 0
Max. Concurrency: 1
Concurrency Rate: 0
CLIENT_NURAND: 233
CPU: 3

Name: FE13
Description:
Directory: c:\temp\FE13.log
Machine: N5
Parameter Set: 2.4
Index: 600000000
Seed: 18546
Configured Users: 6000
Pipe Name: DRIVER131948703
Connect Rate: 0
Start Rate: 0
Max. Concurrency: 1
Concurrency Rate: 0
CLIENT_NURAND: 233
CPU: 1

Name: FE14
Description:
Directory: c:\temp\FE14.log
Machine: N5
Parameter Set: 2.4
Index: 650000000

Seed: 18546
Configured Users: 6000
Pipe Name: DRIVER141987734
Connect Rate: 0
Start Rate: 0
Max. Concurrency: 1
Concurrency Rate: 0
CLIENT_NURAND: 233
CPU: 2

Name: FE15
Description:
Directory: c:\temp\FE15.log
Machine: N5
Parameter Set: 2.4
Index: 700000000
Seed: 18546
Configured Users: 6000
Pipe Name: DRIVER152008625
Connect Rate: 0
Start Rate: 0
Max. Concurrency: 1
Concurrency Rate: 0
CLIENT_NURAND: 233
CPU: 3

Name: FE16
Description:
Directory: c:\temp\FE16.log
Machine: N6
Parameter Set: 2.4
Index: 750000000
Seed: 18546
Configured Users: 6000
Pipe Name: DRIVER162045765
Connect Rate: 0
Start Rate: 0
Max. Concurrency: 1
Concurrency Rate: 0
CLIENT_NURAND: 233
CPU: 1

Name: FE17
Description:
Directory: c:\temp\FE17.log
Machine: N6
Parameter Set: 2.4
Index: 800000000
Seed: 18546
Configured Users: 6000
Pipe Name: DRIVER172074875
Connect Rate: 0
Start Rate: 0
Max. Concurrency: 1
Concurrency Rate: 0
CLIENT_NURAND: 233
CPU: 2

Name: FE18
Description:
Directory: c:\temp\FE18.log
Machine: N6
Parameter Set: 2.4

Index: 850000000
Seed: 18546
Configured Users: 6000
Pipe Name: DRIVER182096734
Connect Rate: 0
Start Rate: 0
Max. Concurrency: 1
Concurrency Rate: 0
CLIENT_NURAND: 233
CPU: 3

Name: FE19
Description:
Directory: c:\temp\fe19.log
Machine: N7
Parameter Set: 2.4
Index: 900000000
Seed: 18546
Configured Users: 6000
Pipe Name: DRIVER208165921
Connect Rate: 0
Start Rate: 0
Max. Concurrency: 1
Concurrency Rate: 0
CLIENT_NURAND: 233
CPU: 1

Name: FE20
Description:
Directory: c:\temp\fe20.log
Machine: N7
Parameter Set: 2.4
Index: 950000000
Seed: 18546
Configured Users: 6000
Pipe Name: DRIVER218309125
Connect Rate: 0
Start Rate: 0
Max. Concurrency: 1
Concurrency Rate: 0
CLIENT_NURAND: 233
CPU: 2

Name: FE21
Description:
Directory: c:\temp\fe21.log
Machine: N7
Parameter Set: 2.4
Index: 1000000000
Seed: 18546
Configured Users: 6000
Pipe Name: DRIVER228369562
Connect Rate: 0
Start Rate: 0
Max. Concurrency: 1
Concurrency Rate: 0
CLIENT_NURAND: 233
CPU: 3

Name: FE22
Description:
Directory: c:\temp\fe22.log
Machine: N8

Parameter Set: 2.4
Index: 1050000000
Seed: 18546
Configured Users: 6000
Pipe Name: DRIVER238477187
Connect Rate: 0
Start Rate: 0
Max. Concurrency: 1
Concurrency Rate: 0
CLIENT_NURAND: 233
CPU: 1

Name: FE23
Description:
Directory: c:\temp\fe23.log
Machine: N8
Parameter Set: 2.4
Index: 1100000000
Seed: 18546
Configured Users: 6000
Pipe Name: DRIVER248583203
Connect Rate: 0
Start Rate: 0
Max. Concurrency: 1
Concurrency Rate: 0
CLIENT_NURAND: 233
CPU: 2

Name: FE24
Description:
Directory: c:\temp\fe24.log
Machine: N8
Parameter Set: 2.4
Index: 1150000000
Seed: 18546
Configured Users: 6000
Pipe Name: DRIVER258632218
Connect Rate: 0
Start Rate: 0
Max. Concurrency: 1
Concurrency Rate: 0
CLIENT_NURAND: 233
CPU: 3

Number of User groups: 24

Driver Engine: FE01
IIS Server: FE1C
SQL Server: bigfoot_ip
Database: tpcc
User: sa
Protocol: HTML
w_id Range: 1 - 600
w_id Min Warehouse: 1
w_id Max Warehouse: 14400
Scale: Normal
User Count: 6000
District id: 1
Scale Down: No

Driver Engine: FE02
IIS Server: FE2C
SQL Server: bigfoot_ip

Database: tpcc
User: sa
Protocol: HTML
w_id Range: 601 - 1200
w_id Min Warehouse: 1
w_id Max Warehouse: 14400
Scale: Normal
User Count: 6000
District id: 1
Scale Down: No

Driver Engine: FE03
IIS Server: FE3C
SQL Server: bigfoot_ip
Database: tpcc
User: sa
Protocol: HTML
w_id Range: 1201 - 1800
w_id Min Warehouse: 1
w_id Max Warehouse: 14400
Scale: Normal
User Count: 6000
District id: 1
Scale Down: No

Driver Engine: FE04
IIS Server: FE4C
SQL Server: bigfoot_ip
Database: tpcc
User: sa
Protocol: HTML
w_id Range: 1801 - 2400
w_id Min Warehouse: 1
w_id Max Warehouse: 14400
Scale: Normal
User Count: 6000
District id: 1
Scale Down: No

Driver Engine: FE05
IIS Server: FE5C
SQL Server: bigfoot_ip
Database: tpcc
User: sa
Protocol: HTML
w_id Range: 2401 - 3000
w_id Min Warehouse: 1
w_id Max Warehouse: 14400
Scale: Normal
User Count: 6000
District id: 1
Scale Down: No

Driver Engine: FE06
IIS Server: FE6C
SQL Server: bigfoot_ip
Database: tpcc
User: sa
Protocol: HTML
w_id Range: 3001 - 3600
w_id Min Warehouse: 1
w_id Max Warehouse: 14400
Scale: Normal

User Count: 6000
District id: 1
Scale Down: No

Driver Engine: FE07
IIS Server: FE7C
SQL Server: bigfoot_ip
Database: tpcc
User: sa
Protocol: HTML
w_id Range: 3601 - 4200
w_id Min Warehouse: 1
w_id Max Warehouse: 14400
Scale: Normal
User Count: 6000
District id: 1
Scale Down: No

Driver Engine: FE08
IIS Server: FE8C
SQL Server: bigfoot_ip
Database: tpcc
User: sa
Protocol: HTML
w_id Range: 4201 - 4800
w_id Min Warehouse: 1
w_id Max Warehouse: 14400
Scale: Normal
User Count: 6000
District id: 1
Scale Down: No

Driver Engine: FE09
IIS Server: FE9C
SQL Server: bigfoot_ip
Database: tpcc
User: sa
Protocol: HTML
w_id Range: 4801 - 5400
w_id Min Warehouse: 1
w_id Max Warehouse: 14400
Scale: Normal
User Count: 6000
District id: 1
Scale Down: No

Driver Engine: FE10
IIS Server: FE10C
SQL Server: bigfoot_ip
Database: tpcc
User: sa
Protocol: HTML
w_id Range: 5401 - 6000
w_id Min Warehouse: 1
w_id Max Warehouse: 14400
Scale: Normal
User Count: 6000
District id: 1
Scale Down: No

Driver Engine: FE11
IIS Server: FE11C
SQL Server: bigfoot_ip

Database: tpcc
User: sa
Protocol: HTML
w_id Range: 6001 - 6600
w_id Min Warehouse: 1
w_id Max Warehouse: 14400
Scale: Normal
User Count: 6000
District id: 1
Scale Down: No

Driver Engine: FE12
IIS Server: FE12C
SQL Server: bigfoot_ip
Database: tpcc
User: sa
Protocol: HTML
w_id Range: 6601 - 7200
w_id Min Warehouse: 1
w_id Max Warehouse: 14400
Scale: Normal
User Count: 6000
District id: 1
Scale Down: No

Driver Engine: FE13
IIS Server: FE13C
SQL Server: bigfoot_ip
Database: tpcc
User: sa
Protocol: HTML
w_id Range: 7201 - 7800
w_id Min Warehouse: 1
w_id Max Warehouse: 14400
Scale: Normal
User Count: 6000
District id: 1
Scale Down: No

Driver Engine: FE14
IIS Server: FE14C
SQL Server: bigfoot_ip
Database: tpcc
User: sa
Protocol: HTML
w_id Range: 7801 - 8400
w_id Min Warehouse: 1
w_id Max Warehouse: 14400
Scale: Normal
User Count: 6000
District id: 1
Scale Down: No

Driver Engine: FE15
IIS Server: FE15C
SQL Server: bigfoot_ip
Database: tpcc
User: sa
Protocol: HTML
w_id Range: 8401 - 9000
w_id Min Warehouse: 1
w_id Max Warehouse: 14400
Scale: Normal

User Count: 6000
District id: 1
Scale Down: No

Driver Engine: FE16
IIS Server: FE16C
SQL Server: bigfoot_ip
Database: tpcc
User: sa
Protocol: HTML
w_id Range: 9001 - 9600
w_id Min Warehouse: 1
w_id Max Warehouse: 14400
Scale: Normal
User Count: 6000
District id: 1
Scale Down: No

Driver Engine: FE17
IIS Server: FE17C
SQL Server: bigfoot_ip
Database: tpcc
User: sa
Protocol: HTML
w_id Range: 9601 - 10200
w_id Min Warehouse: 1
w_id Max Warehouse: 14400
Scale: Normal
User Count: 6000
District id: 1
Scale Down: No

Driver Engine: FE18
IIS Server: FE18C
SQL Server: bigfoot_ip
Database: tpcc
User: sa
Protocol: HTML
w_id Range: 10201 - 10800
w_id Min Warehouse: 1
w_id Max Warehouse: 14400
Scale: Normal
User Count: 6000
District id: 1
Scale Down: No

Driver Engine: FE19
IIS Server: FE19C
SQL Server: bigfoot_ip
Database: tpcc
User: sa
Protocol: HTML
w_id Range: 10801 - 11400
w_id Min Warehouse: 1
w_id Max Warehouse: 14400
Scale: Normal
User Count: 6000
District id: 1
Scale Down: No

Driver Engine: FE20
IIS Server: FE20C
SQL Server: bigfoot_ip

Database: tpcc
 User: sa
 Protocol: HTML
 w_id Range: 11401 - 12000
 w_id Min Warehouse: 1
 w_id Max Warehouse: 14400
 Scale: Normal
 User Count: 6000
 District id: 1
 Scale Down: No

Driver Engine: FE21
 IIS Server: FE21C
 SQL Server: bigfoot_ip
 Database: tpcc
 User: sa
 Protocol: HTML
 w_id Range: 12001 - 12600
 w_id Min Warehouse: 1
 w_id Max Warehouse: 14400
 Scale: Normal
 User Count: 6000
 District id: 1
 Scale Down: No

Driver Engine: FE22
 IIS Server: FE22C
 SQL Server: bigfoot_ip
 Database: tpcc
 User: sa
 Protocol: HTML
 w_id Range: 12601 - 13200
 w_id Min Warehouse: 1
 w_id Max Warehouse: 14400
 Scale: Normal
 User Count: 6000
 District id: 1
 Scale Down: No

Driver Engine: FE23
 IIS Server: FE23C
 SQL Server: bigfoot_ip
 Database: tpcc
 User: sa
 Protocol: HTML
 w_id Range: 13201 - 13800
 w_id Min Warehouse: 1
 w_id Max Warehouse: 14400
 Scale: Normal
 User Count: 6000
 District id: 1
 Scale Down: No

Driver Engine: FE24
 IIS Server: FE24C
 SQL Server: bigfoot_ip
 Database: tpcc
 User: sa
 Protocol: HTML
 w_id Range: 13801 - 14400
 w_id Min Warehouse: 1
 w_id Max Warehouse: 14400
 Scale: Normal

User Count: 6000
 District id: 1
 Scale Down: No
 Number of Parameter Sets: 17

		~Default Default Parameter Set					
		Txn Weight	Think Time	Key Time	RT Delay	RT Fence	Menu Delay
5.00	0.10	New Order	10.00	12.05	18.01	0.10	
5.00	0.10	Payment	10.00	12.05	3.01	0.10	
5.00	0.10	Delivery	1.00	5.05	2.01	0.10	
20.00	0.10	Stock Level	1.00	5.05	2.01	0.10	
5.00	0.10	Order Status	1.00	10.05	2.01	0.10	
Tuned Distribution							
		Txn Weight	Think Time	Key Time	RT Delay	RT Fence	Menu Delay
5.00	0.10	New Order	44.75	12.05	18.01	0.10	
5.00	0.10	Payment	43.10	12.05	3.01	0.10	
5.00	0.10	Delivery	4.05	5.05	2.01	0.10	
20.00	0.10	Stock Level	4.05	5.05	2.01	0.10	
5.00	0.10	Order Status	4.05	10.05	2.01	0.10	
No Think							
		Txn Weight	Think Time	Key Time	RT Delay	RT Fence	Menu Delay
5.00	0.00	New Order	10.00	0.00	0.00	0.00	
5.00	0.00	Payment	10.00	0.00	0.00	0.00	
5.00	0.00	Delivery	1.00	0.00	0.00	0.00	
20.00	0.00	Stock Level	1.00	0.00	0.00	0.00	
5.00	0.00	Order Status	1.00	0.00	0.00	0.00	
95%							
		Txn Weight	Think Time	Key Time	RT Delay	RT Fence	Menu Delay
5.00	0.10	New Order	44.75	13.00	18.01	0.10	
5.00	0.10	Payment	43.10	13.00	3.01	0.10	
5.00	0.10	Delivery	4.05	6.00	2.01	0.10	

20.00	0.10	Stock Level	4.05	6.00	2.01	0.10	
5.00	0.10	Order Status	4.05	11.00	2.01	0.10	
90%							
		Txn Weight	Think Time	Key Time	RT Delay	RT Fence	Menu Delay
5.00	0.10	New Order	44.75	16.00	18.01	0.10	
5.00	0.10	Payment	43.10	16.00	3.01	0.10	
5.00	0.10	Delivery	4.05	9.00	2.01	0.10	
20.00	0.10	Stock Level	4.05	9.00	2.01	0.10	
5.00	0.10	Order Status	4.05	14.00	2.01	0.10	
1.6							
1.6 tt							
		Txn Weight	Think Time	Key Time	RT Delay	RT Fence	Menu Delay
5.00	0.10	New Order	44.75	19.28	18.01	0.10	
5.00	0.10	Payment	43.10	19.28	3.01	0.10	
5.00	0.10	Delivery	4.05	8.08	2.01	0.10	
20.00	0.10	Stock Level	4.05	8.08	2.01	0.10	
5.00	0.10	Order Status	4.05	16.08	2.01	0.10	
2.0							
2.0 tt							
		Txn Weight	Think Time	Key Time	RT Delay	RT Fence	Menu Delay
5.00	0.10	New Order	44.75	24.10	24.10	0.10	
5.00	0.10	Payment	43.10	24.10	24.10	0.10	
5.00	0.10	Delivery	4.05	10.10	10.10	0.10	
20.00	0.10	Stock Level	4.05	10.10	10.10	0.10	
5.00	0.10	Order Status	4.05	20.10	20.10	0.10	
2.6							
2.6 tt							
		Txn Weight	Think Time	Key Time	RT Delay	RT Fence	Menu Delay
5.00	0.10	New Order	44.75	31.33	18.01	0.10	
5.00	0.10	Payment	43.10	31.33	3.01	0.10	
5.00	0.10	Delivery	4.05	13.13	2.01	0.10	
20.00	0.10	Stock Level	4.05	13.13	2.01	0.10	

5.00	0.10	Order Status	4.05	26.13	2.01	0.10	
3.0							
3.0 tt							
		Txn Weight	Think Time	Key Time	RT Delay	RT Fence	Menu Delay
5.00	0.10	New Order	44.75	36.15	18.01	0.10	
5.00	0.10	Payment	43.10	36.15	3.01	0.10	
5.00	0.10	Delivery	4.05	15.15	2.01	0.10	
20.00	0.10	Stock Level	4.05	15.15	2.01	0.10	
5.00	0.10	Order Status	4.05	30.15	2.01	0.10	
4.0							
4.0 tt							
		Txn Weight	Think Time	Key Time	RT Delay	RT Fence	Menu Delay
5.00	0.10	New Order	44.75	48.20	18.01	0.10	
5.00	0.10	Payment	43.10	48.20	3.01	0.10	
5.00	0.10	Delivery	4.05	20.20	2.01	0.10	
20.00	0.10	Stock Level	4.05	20.20	2.01	0.10	
5.00	0.10	Order Status	4.05	40.20	2.01	0.10	
3.8							
3.8 tt							
		Txn Weight	Think Time	Key Time	RT Delay	RT Fence	Menu Delay
5.00	0.10	New Order	44.75	45.80	18.01	0.10	
5.00	0.10	Payment	43.10	45.80	3.01	0.10	
5.00	0.10	Delivery	4.05	19.20	2.01	0.10	
20.00	0.10	Stock Level	4.05	19.20	2.01	0.10	
5.00	0.10	Order Status	4.05	38.20	2.01	0.10	
3.6							
3.6 tt							
		Txn Weight	Think Time	Key Time	RT Delay	RT Fence	Menu Delay
5.00	0.10	New Order	44.75	43.38	18.01	0.10	
5.00	0.10	Payment	43.10	43.38	3.01	0.10	
5.00	0.10	Delivery	4.05	18.18	2.01	0.10	
20.00	0.10	Stock Level	4.05	18.18	2.01	0.10	
5.00	0.10	Order Status	4.05	36.18	2.01	0.10	

3.4		Txn	Think	Key	RT	RT	Menu
3.4 tt		Weight	Time	Time	Delay	Fence	Delay
5.00	0.10	New Order	44.75	40.97	18.01	0.10	
5.00	0.10	Payment	43.10	40.97	3.01	0.10	
5.00	0.10	Delivery	4.05	17.17	2.01	0.10	
20.00	0.10	Stock Level	4.05	17.17	2.01	0.10	
5.00	0.10	Order Status	4.05	34.17	2.01	0.10	
3.2		Txn	Think	Key	RT	RT	Menu
3.2 tt		Weight	Time	Time	Delay	Fence	Delay
5.00	0.10	New Order	44.75	38.56	18.01	0.10	
5.00	0.10	Payment	43.10	38.56	3.01	0.10	
5.00	0.10	Delivery	4.05	16.16	2.01	0.10	
5.00	0.10	Stock Level	4.05	16.16	2.01	0.10	
20.00	0.10	Order Status	4.05	32.16	2.01	0.10	
2.8		Txn	Think	Key	RT	RT	Menu
2.8 tt		Weight	Time	Time	Delay	Fence	Delay
5.00	0.10	New Order	44.75	33.74	18.01	0.10	
5.00	0.10	Payment	43.10	33.74	3.01	0.10	
5.00	0.10	Delivery	4.05	14.14	2.01	0.10	
20.00	0.10	Stock Level	4.05	14.14	2.01	0.10	
5.00	0.10	Order Status	4.05	28.14	2.01	0.10	
2.4		Txn	Think	Key	RT	RT	Menu
2.4 tt		Weight	Time	Time	Delay	Fence	Delay
5.00	0.10	New Order	44.75	28.92	18.01	0.10	
5.00	0.10	Payment	43.10	28.92	3.01	0.10	
5.00	0.10	Delivery	4.05	12.12	2.01	0.10	
5.00	0.10	Stock Level	4.05	12.12	2.01	0.10	
20.00	0.10	Order Status	4.05	24.12	2.01	0.10	
2.2		Txn	Think	Key	RT	RT	Menu
2.2 tt		Weight	Time	Time	Delay	Fence	Delay

Weight	Time	Time	Delay	Fence	Delay	
5.00	0.10	New Order	44.75	26.51	18.01	0.10
5.00	0.10	Payment	43.10	26.51	3.01	0.10
5.00	0.10	Delivery	4.05	11.11	2.01	0.10
20.00	0.10	Stock Level	4.05	11.11	2.01	0.10
5.00	0.10	Order Status	4.05	22.11	2.01	0.10

Internet Information Server Registry Parameters

Windows Registry Editor Version 5.00

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\InetInfo\Parameters]
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"DispatchEntries"=hex(7):4c,00,44,00,41,00,50,00,53,00,56,00,43,00,00,00,00,00,00
"PoolThreadLimit"=dword:00000258
"ThreadTimeout"=dword:00015180
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"Library"="infcotrs.dll"
"Open"="OpenINFOPerformanceData"
"Close"="CloseINFOPerformanceData"
"Collect"="CollectINFOPerformanceData"
"Last Counter"=dword:00000842
"Last Help"=dword:00000843
"First Counter"=dword:00000802
"First Help"=dword:00000803
"WbemAdapStatus"=dword:00000000
"FileTime"=hex:c0,9a,09,6b,51,73,bf,01
"FileSize"=dword:00002510
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World Wide Web Service Registry Parameters

Windows Registry Editor Version 5.00

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"Type"=dword:00000020
"Start"=dword:00000002
"ErrorControl"=dword:00000001
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"DependOnGroup"=hex(7):00,00
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00,00,00,08,02,00,00,00,00,00,00,08,00,00,00,08,00,00,00,00,00,00,00,00,00,00,00,00,00,\n00,00,00,00,00,00,00,00,00,00,00,08,02,00,00,00,00,00,00,00,07,00,00,00,00,00,00,\n00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,08,02,00,00,00,00,00,00,00,\n0b,00,00,00,0b,00,08,\n02,00,00,00,00,00,0a,00,00,00,0a,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\n00,00,00,00,00,00,08,02,00,00,00,00,00,00,02,00,00,00,02,00,00,00,00,00,00,00,\n00,00,00,00,00,00,00,00,00,00,00,00,00,00,02,00,00,00,00,00,00,03,00,00,00,00,\n03,00,08,02,00,00,00,\n00,00,00,05,00,00,05,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\n00,00,08,02,00,00,00,00,00,00,04,00,00,00,04,00,00,00,00,00,00,00,00,00,00,00,00,\n00,00,00,00,00,00,00,00,08,02,00,00,00,00,00,00,0f,00,00,00,0f,00,00,00,00,\n00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,08,02,00,00,00,00,00,00,0d,\n00,00,00,0d,00,08,02,\n00,00,00,00,00,00,0e,00,00,00,0e,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\n00,00,00,00,00,08,02,00,00,00,00,00,06,00,00,00,06,00,00,00,00,00,00,00,00,00,\n00,00,00,00,00,00,00,00,00,00,00,00,08,02,00,00,00,00,00,00,0c,00,00,00,0c,00,\n00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,08,02,00,00,00,00,\n00,00,01,00,00,00,01,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\n00,00,03,00,00,00,00,00,00,00,00,00,00,00,00,00,00,10,00,00,00,00,00,00,\nff,ff,ff,ff,00,00,00,08,03,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\n00,0f,00,00,00,00,ff,ff,0f,00,00,00,00,08,03,00,00,00,00,00,00,00,00,00,00,\n00,00,00,00,00,00,00,00,08,00,00,00,00,ff,fb,0b,00,00,00,00,00,08,03,00,\n00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,ff,ff,0f,00,\n00,00,00,08,03,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0a,\n00,00,00,ff,ff,bf,ff,00,00,00,00,04,00,00,00,00,00,06,00,00,00,0f,00,\n00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,08,04,00,00,00,00,00,\n00,03,00,00,00,04,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\n08,04,00,00,00,00,00,00,00,00,0f,00,00,00,00,00,00,00,00,00,00,00,00,00,\n00,00,00,00,00,00

[HKEY_LOCAL_MACHINE\\SYSTEM\\CurrentControlSet\\Control\\Arbiters\\ReservedResources]\n\"PCStandard\"=hex(a):08,01,00,\n00,00,00,00,00,00,00,00,00,01,00,00,00,01,00,00,00,00,07,00,00,00,00,01,00,00,00,\n00,\n00,00,08,01,00,00,00,00,00,00,00,00,00,00,00,00,00,b0,03,00,00,00,00,00,\n00,00,bb,03,00,00,00,00,00,00,08,01,00,00,00,00,00,00,00,00,00,00,00,00,00,\n00,bc,03,00,00,00,00,00,00,be,03,00,00,00,00,00,08,01,00,00,00,00,00,00,\n00,00,00,00,00,00,c0,03,00,00,00,00,df,03,00,00,00,00,00,00,\n01,00,00,00,00,00,00,00,00,00,00,00,00,00,f8,03,00,00,00,00,00,00,ff,03,\n00,00,00,00,00,00,00,03,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0a,\n00,00,00,ff,ff,bf,ff,00,00,00,00,04,00,00,00,00,00,06,00,00,00,0f,00,\n00,00,00,00,00,00,00,00,00,00,00,00,00,00,08,04,00,00,00,00,00,\n00,03,00,00,00,04,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\n08,04,00,00,00,00,00,00,00,00,0f,00,00,00,00,00,00,00,00,00,00,00,00,00,\n00,00,00,00,00,00

\"BrokenVideo\"=hex(a):28,05,00,\n00,00,00,00,00,00,00,00,01,00,00,00,01,00,00,00,01,00,28,00,00,00,01,00,00,00,\n00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,ec,02,00,00,00,00,00,00,00,00,00,00,\n00,00,00,08,01,00,00,00,00,00,00,00,00,00,00,00,00,00,f8,02,00,00,00,00,\n00,00,ff,02,00,00,00,00,00,00,08,01,00,00,00,00,00,00,00,00,00,00,00,00,00,\n00,b0,03,00,00,00,00,00,00,bb,03,00,00,00,00,00,00,08,01,00,00,00,00,00,00,\n00,00,00,00,00,00,c0,03,00,00,00,00,df,03,00,00,00,00,00,00,08,\n01,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,bc,03,00,00,00,00,00,00,00,\n00,00,00,00,00,00,08,01,00,00,00,00,00,00,00,00,00,00,00,00,00,00,f8,03,00,\n00,00,00,00,ff,03,00,00,00,00,00,00,08,01,00,00,00,00,00,00,00,00,00,00,00,\n00,00,00,00,e8,42,00,00,00,00,00,00,ef,42,00,00,00,00,00,00,08,01,00,00,00,\n00,00,00,00,00,00,00,00,00,00,e8,4a,00,00,00,00,00,00,ef,4a,00,00,00,00,\n00,00,08,01,00,00,00,00,00,00,00,00,00,00,00,00,e8,82,00,00,00,00,00,\n00,ef,82,00,00,00,00,00,08,01,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\ne8,86,00,00,00,00,00,00,ef,86,00,00,00,00,00,08,01,00,00,00,00,00,00,\n00,00,00,00,00,00,e8,8a,00,00,00,00,00,00,ef,8a,00,00,00,00,00,00,08,01,\n00,00,00,00,00,00,00,00,00,00,00,00,00,00,e8,8e,00,00,00,00,00,00,ef,8e,00,\n00,00,00,00,00,08,01,00,00,00,00,00,00,00,00,00,00,00,00,e8,92,00,00,\n00,00,00,00,ef,92,00,00,00,00,00,00,08,01,00,00,00,00,00,00,00,00,00,00,\n00,00,00,e8,96,00,00,00,00,00,00,ef,96,00,00,00,00,00,08,01,00,00,00,00,\n00,00,00,00,00,00,00,00,00,00,e8,9a,00,00,00,00,00,00,ef,9a,00,00,00,00,00,\

00,08,01,00,00,00,00,00,00,00,00,00,00,00,00,00,00,e8,9e,00,00,00,00,00,00,\nef,9e,00,00,00,00,00,00,08,01,00,00,00,00,00,00,00,00,00,00,00,00,00,e8,\na2,00,00,00,00,00,00,00,ef,a2,00,00,00,00,00,08,01,00,00,00,00,00,00,00,\n00,00,00,00,00,00,e8,a6,00,00,00,00,00,00,ef,a6,00,00,00,00,00,08,01,00,\n00,00,00,00,00,00,00,00,00,00,00,00,00,00,e8,aa,00,00,00,00,00,00,ef,aa,00,\n00,00,00,00,08,01,00,00,00,00,00,00,00,00,00,00,00,00,00,e8,ae,00,00,00,\n00,00,00,ef,ae,00,00,00,00,00,08,01,00,00,00,00,00,00,00,00,00,00,00,\n00,00,e8,b6,00,00,00,00,00,00,ef,b6,00,00,00,00,00,08,01,00,00,00,00,\n00,00,00,00,00,00,00,00,e8,ba,00,00,00,00,00,00,ef,ba,00,00,00,00,00,\n08,01,00,00,00,00,00,00,00,00,00,00,00,00,e8,be,00,00,00,00,00,00,ef,\nbe,00,00,00,00,00,08,01,00,00,00,00,00,00,00,00,00,00,00,00,00,00,e8,c2,\n00,00,00,00,00,00,ef,c2,00,00,00,00,00,08,01,00,00,00,00,00,00,00,00,\n00,00,00,00,e8,c6,00,00,00,00,00,00,ef,c6,00,00,00,00,00,08,01,00,00,\n00,00,00,00,00,00,00,00,00,00,00,00,e8,ca,00,00,00,00,00,ef,ca,00,00,00,\n00,00,00,08,01,00,00,00,00,00,00,00,00,00,00,00,00,e8,ce,00,00,00,00,\n00,00,ef,ce,00,00,00,00,08,01,00,00,00,00,00,00,00,00,00,00,00,00,00,\n00,e8,d2,00,00,00,00,00,ef,d2,00,00,00,00,00,08,01,00,00,00,00,00,\n00,00,00,00,00,00,e8,d6,00,00,00,00,00,ef,d6,00,00,00,00,00,00,08,\n01,00,00,00,00,00,00,00,00,00,00,00,e8,da,00,00,00,00,00,ef,da,\n00,00,00,00,00,08,01,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,e8,de,\n00,00,00,00,00,ef,de,00,00,00,00,00,08,01,00,00,00,00,00,00,00,00,00,\n00,00,00,e8,e2,00,00,00,00,00,00,ef,e2,00,00,00,00,00,08,01,00,00,00,\n00,00,00,00,00,00,00,00,00,00,e8,e6,00,00,00,00,ef,e6,00,00,00,00,\n00,00,08,01,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\n00,ef,ea,00,00,00,00,08,01,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\ne8,ee,00,00,00,00,00,ef,ee,00,00,00,00,08,01,00,00,00,00,00,00,\n00,00,00,00,00,e8,f6,00,00,00,00,00,ef,f6,00,00,00,00,00,08,01,\n00,00,00,00,00,00,00,00,00,00,00,00,e8,fa,00,00,00,00,00,ef,fa,00,\n00,00,00,00,08,01,00,00,00,00,00,00,00,00,00,00,00,00,00,00,e8,fc,\n00,00,00,00,ef,fe,00,00,00,00,00,00,03,00,00,00,00,00,00,00,00,00,00,\n00,00,00,00,0a,00,00,00,00,ff,ff,0b,00,00,00,00,00,08,03,00,00,00,00,\n00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,ff,ff,ff,ff,00,00,00,\n00

\"Root\"=\"PCStandard\"\n\"Pci\"=\"PCStandard\"\n\n[HKEY_LOCAL_MACHINE\\SYSTEM\\CurrentControlSet\\Control\\BackupRestore]\n\n[HKEY_LOCAL_MACHINE\\SYSTEM\\CurrentControlSet\\Control\\BackupRestore\\FilesNotToBackup]\n\"Client Side Cache\"=hex(7):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,63,73,63,5c,\\\n2a,20,2f,73,00,00\n\"Internet Explorer\"=hex(7):25,55,73,65,72,50,72,6f,66,69,6c,65,25,5c,69,6e,64,\\\n65,78,2e,64,61,74,20,2f,73,00,00\n\"Memory Page File\"=hex(7):5c,50,61,67,65,66,69,6c,65,2e,73,79,73,00,00\n\"Netlogon\"=hex(7):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,6e,65,74,6c,6f,6f,\\\n6e,2e,63,68,67,00,00\n\"Power Management\"=hex(7):5c,68,69,62,65,72,66,69,6c,2e,73,79,73,00,00\n\"Task Scheduler\"=hex(7):25,53,59,53,54,45,4d,52,4f,4f,54,25,5c,73,63,68,65,64,\\\n6c,67,75,2e,74,78,00,00\n\"Temporary Files\"=hex(7):25,54,45,4d,50,25,5c,2a,20,2f,73,00,00\n\"Winlogon debug\"=hex(7):25,57,49,4e,44,49,52,25,5c,64,65,62,75,67,5c,2a,00,00\n\"MS Distributed Transaction Coordinator\"=hex(7):43,3a,5c,57,49,4e,4e,54,5c,53,\\\n79,73,74,65,6d,63,32,5c,44,54,43,4c,6f,67,5c,4d,53,44,54,43,2e,4c,4f,47,00,\\\n00\n\"ComPlus\"=hex(7):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,72,65,67,69,73,74,72,\\\n61,74,69,6f,6e,5c,2a,2e,63,6c,62,00,5c,2a,2e,63,72,6d,6c,6f,67,20,2f,73,00,\\\n00\n\n[HKEY_LOCAL_MACHINE\\SYSTEM\\CurrentControlSet\\Control\\BackupRestore\\KeysNotToRestore]\n\"Plug & Play\"=hex(7):43,75,72,72,65,6e,74,43,6f,6e,74,72,6f,6c,53,65,74,5c,45,\\\n6e,75,6d,5c,00,43,75,72,72,65,6e,74,43,6f,6e,74,72,6f,6c,53,65,74,5c,43,6f,\\\n6e,74,72,6f,6c,5c,43,72,69,74,69,63,61,6c,44,65,76,69,63,65,44,61,74,61,62,\\\n61,73,65,5c,00,00

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"Mount Manager"=hex(7):4d,6f,75,6e,74,65,64,44,65,76,69,63,65,73,5c,00,00
"Fault Tolerance"=hex(7):44,69,73,6b,5c,00,00
"Installed Services"=hex(7):43,75,72,72,65,6e,74,43,6f,6e,74,72,6f,6c,53,65,74,\
5c,53,65,72,76,69,63,65,73,5c,2a,00,00
"Active Directory Restore"=hex(7):43,75,72,72,65,6e,74,43,6f,6e,74,72,6f,6c,53,\
65,74,5c,53,65,72,76,69,63,65,73,5c,4e,54,44,53,5c,52,65,73,74,6f,72,65,20,\
49,6e,20,50,72,6f,67,72,65,73,73,5c,00,43,75,72,72,65,6e,74,43,6f,6e,74,72,\
6f,6c,53,65,74,5c,53,65,72,76,69,63,65,73,5c,4e,54,44,53,5c,50,61,72,61,6d,\
65,74,65,72,73,5c,4e,65,77,20,44,61,74,61,62,61,73,65,20,47,55,49,44,00,00
"Pending Rename Operations"=hex(7):43,75,72,72,65,6e,74,43,6f,6e,74,72,6f,6c,\
53,65,74,5c,43,6f,6e,74,72,6f,6c,5c,53,65,73,73,69,6f,6e,20,4d,61,6e,61,67,\
65,72,5c,50,65,6e,64,69,6e,67,46,69,6c,65,52,65,6e,61,6d,65,4f,70,65,72,61,\
74,69,6f,6e,73,00,00
"LDM Boot Information"=hex(7):43,75,72,72,65,6e,74,43,6f,6e,74,72,6f,6c,53,65,\
74,5c,53,65,72,76,69,63,65,73,5c,64,6d,69,6f,6e,20,4d,61,6e,61,67,65,72,5c,41,\
5c,00,00
"Windows Setup"=hex(7):53,65,74,75,70,5c,53,79,73,74,65,6d,50,61,72,74,69,74,\
69,6f,6e,00,00
"Session Manager"=hex(7):43,75,72,72,65,6e,74,43,6f,6e,74,72,6f,6c,53,65,74,5c,\
43,6f,6e,74,72,6f,6c,5c,53,65,73,73,69,6f,6e,20,4d,61,6e,61,67,65,72,5c,41,\
6c,6c,6f,77,50,72,6f,74,65,63,74,65,64,52,65,6e,61,6d,65,73,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Biosinfo]
"InfName"="biosinfo.inf"
"SystemBiosDate"="10/11/99"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\BootVerificationProgram]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{36F9E60-C465-11CF-8056-444553540000}]
"Class"="USB"
@="Universal Serial Bus controllers"
"Icon"="-20"
"NoInstallClass"="1"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E965-E325-11CE-BFC1-08002BE10318}]
"Class"="CDROM"
@="DVD/CD-ROM drives"
"EnumPropPages32"="MmSys.Cpl,MediaPropPageProvider"
"Installer32"="storprop.dll,DvdClassInstaller"
"SilentInstall"="1"
"NoInstallClass"="1"
"TroubleShooter-0"="tshoot.chm,hdw_drives.htm"
"Icon"="-51"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E965-E325-11CE-BFC1-08002BE10318}\0000]
"DefaultDvdRegion"=dword:00000001
"EnumPropPages32"="storprop.dll,DvdPropPageProvider"
"InfPath"="cdrom.inf"
"InfSection"="cdrom_install"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="gencdrom"
"DriverDesc"="CD-ROM Drive"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E966-E325-11CE-BFC1-08002BE10318}]

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"Class"="Computer"
@="Computer"
"NoInstallClass"="1"
"Icon"="-27"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E966-E325-11CE-BFC1-08002BE10318}\0000]
"ResourcePickerTags"="HAL"
"InfPath"="hal.inf"
"InfSection"="ACPIAPIC_MP_HAL"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="acpiapic_mp"
"DriverDesc"="ACPI Multiprocessor PC"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E967-E325-11CE-BFC1-08002BE10318}]
"UpperFilters"=hex(7):50,61,72,74,4d,67,72,00,00
"Class"="DiskDrive"
@="Disk drives"
"EnumPropPages32"="StorProp.Dll,DiskPropPageProvider"
"SilentInstall"="1"
"NoInstallClass"="1"
"TroubleShooter-0"="tshoot.chm,hdw_drives.htm"
"Icon"="-53"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E967-E325-11CE-BFC1-08002BE10318}\0000]
"InfPath"="disk.inf"
"InfSection"="disk_install"
"InfSectionExt"=".NT"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="scsi\diskcompaq_disk_array_____"
"DriverDesc"="Compaq SCSI Drive Array"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E967-E325-11CE-BFC1-08002BE10318}\0001]
"InfPath"="disk.inf"
"InfSection"="disk_install"
"InfSectionExt"=".NT"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="scsi\diskcompaq_disk_array_____"
"DriverDesc"="Compaq SCSI Drive Array"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E967-E325-11CE-BFC1-08002BE10318}\0002]
"InfPath"="disk.inf"
"InfSection"="disk_install"
"InfSectionExt"=".NT"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="scsi\diskcompaq_disk_array_____"
"DriverDesc"="Compaq SCSI Drive Array"

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E967-E325-11CE-BFC1-08002BE10318}\0003]
"InfPath"="disk.inf"
"InfSection"="disk_install"
"InfSectionExt"=".NT"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="scsi\diskcompaq_disk_array_____"
"DriverDesc"="Compaq SCSI Drive Array"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E967-E325-11CE-BFC1-08002BE10318}\0004]
"InfPath"="disk.inf"
"InfSection"="disk_install"
"InfSectionExt"=".NT"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="scsi\diskcompaq_disk_array_____"
"DriverDesc"="Compaq SCSI Drive Array"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E967-E325-11CE-BFC1-08002BE10318}\0005]
"InfPath"="disk.inf"
"InfSection"="disk_install"
"InfSectionExt"=".NT"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="scsi\diskcompaq_disk_array_____"
"DriverDesc"="Compaq SCSI Drive Array"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E967-E325-11CE-BFC1-08002BE10318}\0006]
"InfPath"="disk.inf"
"InfSection"="disk_install"
"InfSectionExt"=".NT"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="scsi\diskcompaq_disk_array_____"
"DriverDesc"="Compaq SCSI Drive Array"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E967-E325-11CE-BFC1-08002BE10318}\0007]
"InfPath"="disk.inf"
"InfSection"="disk_install"
"InfSectionExt"=".NT"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="scsi\diskcompaq_disk_array_____"
"DriverDesc"="Compaq SCSI Drive Array"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E967-E325-11CE-BFC1-08002BE10318}\0008]

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"InfPath"="disk.inf"
"InfSection"="disk_install"
"InfSectionExt"=".NT"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="scsi\diskcompaq_disk_array_____"
"DriverDesc"="Compaq SCSI Drive Array"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E967-E325-11CE-BFC1-08002BE10318}\0009]
"InfPath"="disk.inf"
"InfSection"="disk_install"
"InfSectionExt"=".NT"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="scsi\diskcompaq_disk_array_____"
"DriverDesc"="Compaq SCSI Drive Array"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E967-E325-11CE-BFC1-08002BE10318}\0010]
"InfPath"="disk.inf"
"InfSection"="disk_install"
"InfSectionExt"=".NT"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="scsi\diskcompaq_disk_array_____"
"DriverDesc"="Compaq SCSI Drive Array"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E967-E325-11CE-BFC1-08002BE10318}\0011]
"InfPath"="disk.inf"
"InfSection"="disk_install"
"InfSectionExt"=".NT"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="scsi\diskcompaq_disk_array_____"
"DriverDesc"="Compaq SCSI Drive Array"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E967-E325-11CE-BFC1-08002BE10318}\0012]
"InfPath"="oem2.inf"
"InfSection"="cpqbmicd_Inst"
"ProviderName"="Compaq"
"DriverVersion"="5.1.1.1"
"MatchingDeviceId"="bmicdisk"
"DriverDesc"="BMIC Disk drive"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E967-E325-11CE-BFC1-08002BE10318}\0013]
"InfPath"="oem2.inf"
"InfSection"="cpqbmicd_Inst"
"ProviderName"="Compaq"
"DriverVersion"="5.1.1.1"
"MatchingDeviceId"="bmicdisk"
"DriverDesc"="BMIC Disk drive"

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E967-E325-11CE-BFC1-08002BE10318}\0014]
"InfPath"="oem2.inf"
"InfSection"="cpqbmcd_Inst"
"ProviderName"="Compaq"
"DriverVersion"="5.1.1.1"
"MatchingDeviceId"="bmicdisk"
"DriverDesc"="BMIC Disk drive"
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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E967-E325-11CE-BFC1-08002BE10318}\0015]
"InfPath"="oem2.inf"
"InfSection"="cpqbmcd_Inst"
"ProviderName"="Compaq"
"DriverVersion"="5.1.1.1"
"MatchingDeviceId"="bmicdisk"
"DriverDesc"="BMIC Disk drive"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E967-E325-11CE-BFC1-08002BE10318}\0016]
"InfPath"="oem2.inf"
"InfSection"="cpqbmcd_Inst"
"ProviderName"="Compaq"
"DriverVersion"="5.1.1.1"
"MatchingDeviceId"="bmicdisk"
"DriverDesc"="BMIC Disk drive"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E967-E325-11CE-BFC1-08002BE10318}\0017]
"InfPath"="oem2.inf"
"InfSection"="cpqbmcd_Inst"
"ProviderName"="Compaq"
"DriverVersion"="5.1.1.1"
"MatchingDeviceId"="bmicdisk"
"DriverDesc"="BMIC Disk drive"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E967-E325-11CE-BFC1-08002BE10318}\0018]
"InfPath"="oem2.inf"
"InfSection"="cpqbmcd_Inst"
"ProviderName"="Compaq"
"DriverVersion"="5.1.1.1"
"MatchingDeviceId"="bmicdisk"
"DriverDesc"="BMIC Disk drive"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E967-E325-11CE-BFC1-08002BE10318}\0019]
"InfPath"="oem2.inf"
"InfSection"="cpqbmcd_Inst"
"ProviderName"="Compaq"
"DriverVersion"="5.1.1.1"
"MatchingDeviceId"="bmicdisk"
"DriverDesc"="BMIC Disk drive"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E967-E325-11CE-BFC1-08002BE10318}\0020]
"InfPath"="oem2.inf"
"InfSection"="cpqbmcd_Inst"
"ProviderName"="Compaq"
"DriverVersion"="5.1.1.1"
"MatchingDeviceId"="bmicdisk"
"DriverDesc"="BMIC Disk drive"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E967-E325-11CE-BFC1-08002BE10318}\0021]
"InfPath"="oem2.inf"
"InfSection"="cpqbmcd_Inst"
"ProviderName"="Compaq"
"DriverVersion"="5.1.1.1"
"MatchingDeviceId"="bmicdisk"
"DriverDesc"="BMIC Disk drive"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E967-E325-11CE-BFC1-08002BE10318}\0022]
"InfPath"="oem2.inf"
"InfSection"="cpqbmcd_Inst"
"ProviderName"="Compaq"
"DriverVersion"="5.1.1.1"
"MatchingDeviceId"="bmicdisk"
"DriverDesc"="BMIC Disk drive"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E967-E325-11CE-BFC1-08002BE10318}\0023]
"InfPath"="oem2.inf"
"InfSection"="cpqbmcd_Inst"
"ProviderName"="Compaq"
"DriverVersion"="5.1.1.1"
"MatchingDeviceId"="bmicdisk"
"DriverDesc"="BMIC Disk drive"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E967-E325-11CE-BFC1-08002BE10318}\0024]
"InfPath"="oem2.inf"
"InfSection"="cpqbmcd_Inst"
"ProviderName"="Compaq"
"DriverVersion"="5.1.1.1"
"MatchingDeviceId"="bmicdisk"
"DriverDesc"="BMIC Disk drive"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E967-E325-11CE-BFC1-08002BE10318}\0025]
"InfPath"="oem2.inf"
"InfSection"="cpqbmcd_Inst"
"ProviderName"="Compaq"
"DriverVersion"="5.1.1.1"
"MatchingDeviceId"="bmicdisk"
"DriverDesc"="BMIC Disk drive"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E968-E325-11CE-BFC1-08002BE10318}]
"Class"="Display"
@="Display adapters"
"Installer32"="Desk.Cpl,DisplayClassInstaller"
"Troubleshooter-0"="tshoot.chm,tsdisp.htm"
"Icon"="-1"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E968-E325-11CE-BFC1-08002BE10318}\0000]
"InfPath"="display.inf"
"InfSection"="atirage"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,40,db,57,31,bf,01
"DriverDate"="11-18-1999"
"DriverVersion"="5.0.2184.1"
"MatchingDeviceId"="pci\ven_1002&dev_4756"
```

```

"DriverDesc"="ATI Technologies Inc. 3D RAGE IIC PCI"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E968-E325-11CE-BFC1-08002BE10318}\0000\Settings]
"InstalledDisplayDrivers"=hex(7):61,74,69,72,61,67,65,64,00,00
"VgaCompatible"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E969-E325-11CE-BFC1-08002BE10318}]
"Class"="fdc"
@="Floppy disk controllers"
"NoInstallClass"="1"
"TroubleShooter-0"="tshoot.chm,hdw_drives.htm"
"Icon"="-9"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E969-E325-11CE-BFC1-08002BE10318}\0000]
"InfPath"="fdc.inf"
"InfSection"="fdc_install"
"InfSectionExt"=".NT"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="*pnp0700"
"DriverDesc"="Standard floppy disk controller"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E96A-E325-11CE-BFC1-08002BE10318}]
"Class"="hdc"
@="IDE ATA/ATAPI controllers"
"Icon"="-9"
"Installer32"="SysSetup.Dll,HdcClassInstaller"
"TroubleShooter-0"="tshoot.chm,hdw_drives.htm"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E96A-E325-11CE-BFC1-08002BE10318}\0000]
"EnumPropPages32"="storprop.dll,IdePropPageProvider"
"InfPath"="mshdc.inf"
"InfSection"="atapi_Inst"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="*pnp0600"
"DriverDesc"="Standard IDE/ESDI Hard Disk Controller"
"MasterDeviceType"=dword:00000002
"SlaveDeviceType"=dword:00000000
"MasterDeviceTimingMode"=dword:00000010
"MasterDeviceTimingModeAllowed"=dword:ffffffff
"MasterIdDataChecksum"=dword:0001d365
"SlaveDeviceTimingMode"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E96B-E325-11CE-BFC1-08002BE10318}]
"Class"="Keyboard"
"Icon"="-3"
"Installer32"="SysSetup.Dll,KeyboardClassInstaller"
"UpperFilters"=hex(7):6b,62,64,63,6c,61,73,73,00,00
@="Keyboards"
"NoInstallClass"="1"
"TroubleShooter-0"="tshoot.chm,hdw_keyboard.htm"

```

```

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E96B-E325-11CE-BFC1-08002BE10318}\0000]
"InfPath"="keyboard.inf"
"InfSection"="STANDARD_Inst"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="*pnp0303"
"DriverDesc"="Standard 101/102-Key or Microsoft Natural PS/2 Keyboard"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E96C-E325-11CE-BFC1-08002BE10318}]
"Class"="MEDIA"
@="Sound, video and game controllers"
"Installer32"="MmSys.Cpl,MediaClassInstaller"
"EnumPropPages32"="MmSys.Cpl,MediaPropPageProvider"
"TroubleShooter-0"="tshoot.chm,hdw_multi.htm"
"Icon"="3004"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E96C-E325-11CE-BFC1-08002BE10318}\0000]
"InfPath"="wave.inf"
"InfSection"="MS_MMMCI"
"InfSectionExt"=".NT"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,40,db,57,31,bf,01
"DriverDate"="11-18-1999"
"DriverVersion"="5.0.2184.1"
"MatchingDeviceId"="ms_mmmci"
"DriverDesc"="Media Control Devices"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E96C-E325-11CE-BFC1-08002BE10318}\0001]
"InfPath"="wave.inf"
"InfSection"="MS_MMVID"
"InfSectionExt"=".NT"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,40,db,57,31,bf,01
"DriverDate"="11-18-1999"
"DriverVersion"="5.0.2184.1"
"MatchingDeviceId"="ms_mmvid"
"DriverDesc"="Video Codecs"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E96C-E325-11CE-BFC1-08002BE10318}\0002]
"InfPath"="wave.inf"
"InfSection"="MS_MMACM"
"InfSectionExt"=".NT"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,40,db,57,31,bf,01
"DriverDate"="11-18-1999"
"DriverVersion"="5.0.2184.1"
"MatchingDeviceId"="ms_mmacm"
"DriverDesc"="Audio Codecs"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E96C-E325-11CE-BFC1-08002BE10318}\0003]
"InfPath"="wave.inf"
"InfSection"="MS_MMVCD"
"InfSectionExt"=".NT"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,40,db,57,31,bf,01

```

```

"DriverDate"="11-18-1999"
"DriverVersion"="5.0.2184.1"
"MatchingDeviceId"="ms_mmvc"
"DriverDesc"="Legacy Video Capture Devices"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E96C-E325-11CE-BFC1-08002BE10318}\0004]
"InfPath"="wave.inf"
"InfSection"="MS_MMDRV"
"InfSectionExt"=".NT"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,40,db,57,31,bf,01
"DriverDate"="11-18-1999"
"DriverVersion"="5.0.2184.1"
"MatchingDeviceId"="ms_mmdrv"
"DriverDesc"="Legacy Audio Drivers"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E96C-E325-11CE-BFC1-08002BE10318}\0005]
"InfPath"="ksfilter.inf"
"InfSection"="MSPLOCK"
"InfSectionExt"=".NT"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="sw\{97ebaacc-95bd-11d0-a3ea-00a0c9223196}"
"DriverDesc"="Microsoft Streaming Clock Proxy"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E96C-E325-11CE-BFC1-08002BE10318}\0006]
"InfPath"="ksfilter.inf"
"InfSection"="MSPQM"
"InfSectionExt"=".NT"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="sw\{ddf4358e-bb2c-11d0-a42f-00a0c9223196}"
"DriverDesc"="Microsoft Streaming Quality Manager Proxy"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E96C-E325-11CE-BFC1-08002BE10318}\0007]
"InfPath"="ksfilter.inf"
"InfSection"="MSKSSRV"
"InfSectionExt"=".NT"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="sw\{96e080c7-143c-11d1-b40f-00a0c9223196}"
"DriverDesc"="Microsoft Streaming Service Proxy"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E96C-E325-11CE-BFC1-08002BE10318}\0008]
"InfPath"="ksfilter.inf"
"InfSection"="RCA"
"InfSectionExt"=".NT"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="sw\{c68127b1-9bea-11d0-8fa5-00c04fc324c1}"

```

```

"DriverDesc"="Microsoft Streaming Network Raw Channel Access"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E96C-E325-11CE-BFC1-08002BE10318}\0009]
"InfPath"="ksfilter.inf"
"InfSection"="RCA"
"InfSectionExt"=".NT"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="sw\{c68127b1-9bea-11d0-8fa5-00c04fc324c1}"
"DriverDesc"="Microsoft Streaming Network Raw Channel Access"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E96C-E325-11CE-BFC1-08002BE10318}\0010]
"InfPath"="ksfilter.inf"
"InfSection"="RCA"
"InfSectionExt"=".NT"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="sw\{c68127b1-9bea-11d0-8fa5-00c04fc324c1}"
"DriverDesc"="Microsoft Streaming Network Raw Channel Access"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E96D-E325-11CE-BFC1-08002BE10318}]
"Class"="Modem"
@="Modems"
"Installer32"="mdminst.dll,ClassInstall32"
"Icon"="0"
"Default Service"="Modem"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E96E-E325-11CE-BFC1-08002BE10318}]
"Class"="Monitor"
@="Monitors"
"Installer32"="Desk.Cpl,MonitorClassInstaller"
"Icon"="-1"
"NoInstallClass"="1"
"Troubleshooter-0"="tshoot.chm,tsdisp.htm"
"SilentInstall"="1"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E96E-E325-11CE-BFC1-08002BE10318}\0000]
"InfPath"="monitor.inf"
"InfSection"="Unknown.Install"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,6c,e7,9f,0b,bf,01
"DriverDate"="10-1-1999"
"MatchingDeviceId"="monitor\default_monitor"
"DriverDesc"="Default Monitor"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E96E-E325-11CE-BFC1-08002BE10318}\0000\MODES]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E96E-E325-11CE-BFC1-08002BE10318}\0000\MODES\640,480]
@=""

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E96F-E325-11CE-BFC1-08002BE10318}]

```

```

"Class"="Mouse"
"Icon"="-2"
"Installer32"="SysSetup.Dll,MouseClassInstaller"
"UpperFilters"=hex(7):6d,6f,75,63,6c,61,73,73,00,00
@="Mice and other pointing devices"
"NoInstallClass"="1"
"Troubleshooter-0"="tshoot.chm,hdw_mouse.htm"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E96F-E325-11CE-BFC1-08002BE10318}\0000]
"EnumPropPages32"="syssetup.dll,PS2MousePropPageProvider"
"InfPath"="msmouse.inf"
"InfSection"="PS2_inst"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="*pnp0f13"
"DriverDesc"="PS/2 Compatible Mouse"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E970-E325-11CE-BFC1-08002BE10318}]
"Class"="MTD"
@="Memory technology driver"
"Icon"="-9"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E971-E325-11CE-BFC1-08002BE10318}]
"Class"="MultiFunction"
@="Multifunction adapters"
"NoInstallClass"="1"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}]
"Class"="Net"
@="Network adapters"
"EnumPropPages32"="NetCfgx.dll,NetPropPageProvider"
"Icon"="-5"
"Installer32"="NetCfgx.dll,NetClassInstaller"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0000]
"PcNic"="0"
"Adaptive_IFS"="1"
"UcodesW"="1"
"Coalesce"="0"
"MWIEnable"="1"
"Characteristics"=dword:00000084
"BusType"="5"
"ComponentId"="pci\ven_8086&dev_1229&subsys_b0dd0e11"
"CPUSaver"="1536"
"NumCoalesce"="8"
"NumRfd"="48"
"NumTcb"="32"
"PacketTagging"="0"
"SpeedDuplex"="0"
"InfPath"="netcpqi.inf"
"InfSection"="N100.ndi"
"InfSectionExt"=".NT"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,c0,29,36,0e,20,bf,01
"DriverDate"="10-27-1999"
"DriverVersion"="5.29.4.67"

```

```

"MatchingDeviceId"="pci\ven_8086&dev_1229&subsys_b0dd0e11"
"DriverDesc"="Compaq NC3131 Fast Ethernet NIC"
"NetCfgInstanceId"="{8660340F-FD37-40AA-B887-9DDC6C5E12DE}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0000\Linkage]
"RootDevice"=hex(7):7b,38,36,36,30,33,34,30,46,2d,46,44,33,37,2d,34,30,41,41,\
2d,42,38,38,37,2d,39,44,44,43,36,43,35,45,31,32,44,45,7d,00,00
"UpperBind"=hex(7):54,63,70,69,70,00,00
"Export"=hex(7):5c,44,65,76,69,63,65,5c,7b,38,36,36,30,33,34,30,46,2d,46,44,33,\
37,2d,34,30,41,41,2d,42,38,38,37,2d,39,44,44,43,36,43,35,45,31,32,44,45,7d,\
00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0000\Ndi]
"Service"="N100"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0000\Ndi\Interfaces]
"UpperRange"="ndis5"
"LowerRange"="ethernet"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0000\Ndi\params]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0000\Ndi\params\CPUSaver]
"ParamDesc"="CPU Saver"
"default"="1536"
"min"="0"
"max"="65535"
"step"="32"
"Base"="10"
"type"="int"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0000\Ndi\params\NumCoalesce]
"ParamDesc"="Coalesce Buffers"
"default"="8"
"min"="1"
"max"="32"
"step"="1"
"Base"="10"
"type"="int"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0000\Ndi\params\NumRfd]
"ParamDesc"="Receive Buffers"
"default"="48"
"min"="1"
"max"="1024"
"step"="1"
"Base"="10"
"type"="int"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0000\Ndi\params\NumTcb]
"ParamDesc"="Transmit Control Blocks"
"default"="32"
"min"="1"
"max"="64"
"step"="1"
"Base"="10"

```



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"type"="int"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0000\Ndi\params\PacketTagging]
"ParamDesc"="802.1p/802.1q Tagging"
"default"="0"
"type"="enum"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0000\Ndi\params\PacketTagging\Enum]
"1"="Enabled"
"0"="Disabled"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0000\Ndi\params\SpeedDuplex]
"ParamDesc"="Link Speed & Duplex"
"default"="0"
"type"="enum"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0000\Ndi\params\SpeedDuplex\enum]
"0"="Auto Detect"
"1"="10Mbps/Half Duplex"
"2"="10Mbps/Full Duplex"
"3"="100Mbps/Half Duplex"
"4"="100Mbps/Full Duplex"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0001]
"PcNic"="0"
"Adaptive_IFS"="1"
"UcodeSW"="1"
"Coalesce"="0"
"MWIEnable"="1"
"Characteristics"=dword:00000084
"BusType"="5"
"ComponentId"="pci\ven_8086&dev_1229&subsys_b0dd0e11"
"CPUSaver"="1536"
"NumCoalesce"="8"
"NumRfd"="48"
"NumTcb"="32"
"PacketTagging"="0"
"SpeedDuplex"="0"
"InfPath"="netcpqi.inf"
"InfSection"="N100.ndi"
"InfSectionExt"=".NT"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,c0,29,36,0e,20,bf,01
"DriverDate"="10-27-1999"
"DriverVersion"="5.29.4.67"
"MatchingDeviceId"="pci\ven_8086&dev_1229&subsys_b0dd0e11"
"DriverDesc"="Compaq NC3131 Fast Ethernet NIC"
"NetCfgInstanceId"="{3EED0730-D782-4227-AA0E-B18531F7D1BF}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0001\Linkage]
"RootDevice"=hex(7):7b,33,45,45,44,30,37,33,30,2d,44,37,38,32,2d,34,32,32,37,\
2d,41,41,30,45,2d,42,31,38,35,33,31,46,37,44,31,46,42,7d,00,00
"UpperBind"=hex(7):54,63,70,69,70,00,00
"Export"=hex(7):5c,44,65,76,69,63,65,5c,7b,33,45,45,44,30,37,33,30,2d,44,37,38,\
32,2d,34,32,32,37,2d,41,41,30,45,2d,42,31,38,35,33,31,46,37,44,31,46,42,7d,\
00,00

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0001\Ndi]
"Service"="N100"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0001\Ndi\Interfaces]
"UpperRange"="ndis5"
"LowerRange"="ethernet"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0001\Ndi\params]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0001\Ndi\params\CPUSaver]
"ParamDesc"="CPU Saver"
"default"="1536"
"min"="0"
"max"="65535"
"step"="32"
"Base"="10"
"type"="int"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0001\Ndi\params\NumCoalesce]
"ParamDesc"="Coalesce Buffers"
"default"="8"
"min"="1"
"max"="32"
"step"="1"
"Base"="10"
"type"="int"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0001\Ndi\params\NumRfd]
"ParamDesc"="Receive Buffers"
"default"="48"
"min"="1"
"max"="1024"
"step"="1"
"Base"="10"
"type"="int"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0001\Ndi\params\NumTcb]
"ParamDesc"="Transmit Control Blocks"
"default"="32"
"min"="1"
"max"="64"
"step"="1"
"Base"="10"
"type"="int"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0001\Ndi\params\PacketTagging]
"ParamDesc"="802.1p/802.1q Tagging"
"default"="0"
"type"="enum"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0001\Ndi\params\PacketTagging\Enum]
"1"="Enabled"
"0"="Disabled"

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0001\Ndi\params\SpeedDuplex]
"ParamDesc"="Link Speed & Duplex"
"default"="0"
"type"="enum"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0001\Ndi\params\SpeedDuplex\enum]
"0"="Auto Detect"
"1"="10Mbps/Half Duplex"
"2"="10Mbps/Full Duplex"
"3"="100Mbps/Half Duplex"
"4"="100Mbps/Full Duplex"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0002]
"PcNic"="0"
"Adaptive_IFS"="1"
"UcodeSW"="1"
"Coalesce"="0"
"MWIEnable"="1"
"Characteristics"=dword:00000084
"BusType"="5"
"ComponentId"="pci\ven_8086&dev_1229&subsys_b0dd0e11"
"CPUSaver"="1536"
"NumCoalesce"="8"
"NumRfd"="48"
"NumTcb"="32"
"PacketTagging"="0"
"SpeedDuplex"="0"
"InfPath"="netcpqi.inf"
"InfSection"="N100.ndi"
"InfSectionExt"=".NT"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,c0,29,36,0e,20,bf,01
"DriverDate"="10-27-1999"
"DriverVersion"="5.29.4.67"
"MatchingDeviceId"="pci\ven_8086&dev_1229&subsys_b0dd0e11"
"DriverDesc"="Compaq NC3131 Fast Ethernet NIC"
"NetCfgInstanceId"="{13B84ED8-0F34-4B7E-94B0-EC4FA6E856EB}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0002\Linkage]
"RootDevice"=hex(7):7b,31,33,42,38,34,45,44,38,2d,30,46,33,34,2d,34,42,37,45,\
2d,39,34,42,30,2d,45,43,34,46,41,36,45,38,35,36,45,42,7d,00,00
"UpperBind"=hex(7):54,63,70,69,70,00,00
"Export"=hex(7):5c,44,65,76,69,63,65,5c,7b,31,33,42,38,34,45,44,38,2d,30,46,33,\
34,2d,34,42,37,45,2d,39,34,42,30,2d,45,43,34,46,41,36,45,38,35,36,45,42,7d,\
00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0002\Ndi]
"Service"="N100"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0002\Ndi\Interfaces]
"UpperRange"="ndis5"
"LowerRange"="ethernet"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0002\Ndi\params]

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0002\Ndi\params\CPUSaver]
"ParamDesc"="CPU Saver"
"default"="1536"
"min"="0"
"max"="65535"
"step"="32"
"Base"="10"
"type"="int"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0002\Ndi\params\NumCoalesce]
"ParamDesc"="Coalesce Buffers"
"default"="8"
"min"="1"
"max"="32"
"step"="1"
"Base"="10"
"type"="int"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0002\Ndi\params\NumRfd]
"ParamDesc"="Receive Buffers"
"default"="48"
"min"="1"
"max"="1024"
"step"="1"
"Base"="10"
"type"="int"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0002\Ndi\params\NumTcb]
"ParamDesc"="Transmit Control Blocks"
"default"="32"
"min"="1"
"max"="64"
"step"="1"
"Base"="10"
"type"="int"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0002\Ndi\params\PacketTagging]
"ParamDesc"="802.1p/802.1q Tagging"
"default"="0"
"type"="enum"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0002\Ndi\params\PacketTagging\Enum]
"1"="Enabled"
"0"="Disabled"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0002\Ndi\params\SpeedDuplex]
"ParamDesc"="Link Speed & Duplex"
"default"="0"
"type"="enum"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0002\Ndi\params\SpeedDuplex\enum]
"0"="Auto Detect"
"1"="10Mbps/Half Duplex"
"2"="10Mbps/Full Duplex"
"3"="100Mbps/Half Duplex"

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"4"="100Mbps/Full Duplex"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0003]
"PcNic"="0"
"Adaptive_IFS"="1"
"UnicodeSW"="1"
"Coalesce"="0"
"MWIEnable"="1"
"Characteristics"=dword:00000084
"BusType"="5"
"ComponentId"="pci\ven_8086&dev_1229&subsys_b0dd0e11"
"CPUSaver"="1536"
"NumCoalesce"="8"
"NumRfd"="48"
"NumTcb"="32"
"PacketTagging"="0"
"SpeedDuplex"="0"
"InfPath"="netcpqi.inf"
"InfSection"="N100.ndi"
"InfSectionExt"=".NT"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,c0,29,36,0e,20,bf,01
"DriverDate"="10-27-1999"
"DriverVersion"="5.29.4.67"
"MatchingDeviceId"="pci\ven_8086&dev_1229&subsys_b0dd0e11"
"DriverDesc"="Compaq NC3131 Fast Ethernet NIC"
"NetCfgInstanceId"="{CA110D7E-A9E6-48AA-9B01-5A5670CD4A7D}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0003\Linkage]
"RootDevice"=hex(7):7b,43,41,31,31,30,44,37,45,2d,41,39,45,36,2d,34,38,41,41,\
2d,39,42,30,31,2d,35,41,35,36,37,30,43,44,34,41,37,44,7d,00,00
"UpperBind"=hex(7):54,63,70,69,70,00,00
"Export"=hex(7):5c,44,65,76,69,63,65,5c,7b,43,41,31,31,30,44,37,45,2d,41,39,45,\
36,2d,34,38,41,41,2d,39,42,30,31,2d,35,41,35,36,37,30,43,44,34,41,37,44,7d,\
00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0003\Ndi]
"Service"="N100"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0003\Ndi\Interfaces]
"UpperRange"="ndis5"
"LowerRange"="ethernet"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0003\Ndi\params]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0003\Ndi\params\CPUSaver]
"ParamDesc"="CPU Saver"
"default"="1536"
"min"="0"
"max"="65535"
"step"="32"
"Base"="10"
"type"="int"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0003\Ndi\params\NumCoalesce]
"ParamDesc"="Coalesce Buffers"

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"default"="8"
"min"="1"
"max"="32"
"step"="1"
"Base"="10"
"type"="int"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0003\Ndi\params\NumRfd]
"ParamDesc"="Receive Buffers"
"default"="48"
"min"="1"
"max"="1024"
"step"="1"
"Base"="10"
"type"="int"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0003\Ndi\params\NumTcb]
"ParamDesc"="Transmit Control Blocks"
"default"="32"
"min"="1"
"max"="64"
"step"="1"
"Base"="10"
"type"="int"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0003\Ndi\params\PacketTagging]
"ParamDesc"="802.1p/802.1q Tagging"
"default"="0"
"type"="enum"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0003\Ndi\params\PacketTagging\Enum]
"1"="Enabled"
"0"="Disabled"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0003\Ndi\params\SpeedDuplex]
"ParamDesc"="Link Speed & Duplex"
"default"="0"
"type"="enum"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0003\Ndi\params\SpeedDuplex\enum]
"0"="Auto Detect"
"1"="10Mbps/Half Duplex"
"2"="10Mbps/Full Duplex"
"3"="100Mbps/Half Duplex"
"4"="100Mbps/Full Duplex"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0004]
"Characteristics"=dword:0000002a
"ComponentId"="sw\{eeab7790-c514-11d1-b42b-00805fc1270e}"
"InfPath"="netrasa.inf"
"InfSection"="Ndi-Mp-AsyncMac"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,4b,de,e9,27,bf,01
"DriverDate"="11-6-1999"
"DriverVersion"="5.0.2175.1"
"MatchingDeviceId"="sw\{eeab7790-c514-11d1-b42b-00805fc1270e}"

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"DriverDesc"="RAS Async Adapter"
"NetCfgInstanceId"="{226D3C2F-A916-43FA-A20F-8CB0DC6D67F}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0004\Linkage]
"RootDevice"=hex(7):7b,32,32,36,44,33,43,32,46,2d,41,39,31,36,2d,34,33,46,41,\
2d,41,32,30,46,2d,38,43,42,30,44,43,36,44,36,44,37,46,7d,00,00
"UpperBind"=hex(7):4e,64,69,73,57,61,6e,00,00
"Export"=hex(7):5c,44,65,76,69,63,65,5c,7b,32,32,36,44,33,43,32,46,2d,41,39,31,\
36,2d,34,33,46,41,2d,41,32,30,46,2d,38,43,42,30,44,43,36,44,36,44,37,46,7d,\
00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0004\Ndi]
"Service"="AsyncMac"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0004\Ndi\Interfaces]
"UpperRange"="ndiswanasync"
"LowerRange"="nolower"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0005]
"MaxVcs"=dword:000003e8
"MinWanEndpoints"=dword:00000000
"MaxWanEndpoints"=dword:000003e8
"WanEndpoints"=dword:00000005
"Characteristics"=dword:00000029
"ComponentId"="ms_l2tpminiport"
"InfPath"="netrasa.inf"
"InfSection"="Ndi-Mp-L2tp"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,4b,de,e9,27,bf,01
"DriverDate"="11-6-1999"
"DriverVersion"="5.0.2175.1"
"MatchingDeviceId"="ms_l2tpminiport"
"DriverDesc"="WAN Miniport (L2TP)"
"NetCfgInstanceId"="{61D0A64D-8263-4223-87BF-C6AD6474DBA9}"
"EnableForRas"=dword:00000001
"EnableForRouting"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0005\Linkage]
"RootDevice"=hex(7):7b,36,31,44,30,41,36,34,44,2d,38,32,36,33,2d,34,32,32,33,\
2d,38,37,42,46,2d,43,36,41,44,36,34,37,34,44,42,41,39,7d,00,00
"UpperBind"=hex(7):4e,64,69,73,57,61,6e,00,00
"Export"=hex(7):5c,44,65,76,69,63,65,5c,7b,36,31,44,30,41,36,34,44,2d,38,32,36,\
33,2d,34,32,32,33,2d,38,37,42,46,2d,43,36,41,44,36,34,37,34,44,42,41,39,7d,\
00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0005\Ndi]
"Service"="RasL2tp"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0005\Ndi\Interfaces]
"UpperRange"="ndiswan"
"LowerRange"="nolower"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0006]
"MinWanEndpoints"=dword:00000000
"MaxWanEndpoints"=dword:000003e8

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"TapLineName"="RAS VPN Line"
"InactivityIdleSeconds"="60"
"TcpPortNumber"=dword:000006bb
"TcpDisconnectTimeout"=dword:0000001e
"TcpConnectTimeout"=dword:0000001e
"ClientIpAddresses"=hex(7):00
"ClientIpMasks"=hex(7):00
"AuthenticateIncomingCalls"=dword:00000000
"WanEndpoints"=dword:00000005
"Characteristics"=dword:00000029
"ComponentId"="ms_pptpminiport"
"InfPath"="netrasa.inf"
"InfSection"="Ndi-Mp-Pptp"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,4b,de,e9,27,bf,01
"DriverDate"="11-6-1999"
"DriverVersion"="5.0.2175.1"
"MatchingDeviceId"="ms_pptpminiport"
"DriverDesc"="WAN Miniport (PPTP)"
"NetCfgInstanceId"="{0C921600-8198-460E-B9F6-E954B0CE4CCB}"
"EnableForRas"=dword:00000001
"EnableForRouting"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0006\Linkage]
"RootDevice"=hex(7):7b,30,43,39,32,31,36,30,30,2d,38,31,39,38,2d,34,36,30,45,\
2d,42,39,46,36,2d,45,39,35,34,42,30,43,45,34,43,43,42,7d,00,00
"UpperBind"=hex(7):4e,64,69,73,57,61,6e,00,00
"Export"=hex(7):5c,44,65,76,69,63,65,5c,7b,30,43,39,32,31,36,30,30,2d,38,31,39,\
38,2d,34,36,30,45,2d,42,39,46,36,2d,45,39,35,34,42,30,43,45,34,43,43,42,7d,\
00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0006\Ndi]
"Service"="PptpMiniport"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0006\Ndi\Interfaces]
"UpperRange"="ndiswan"
"LowerRange"="nolower"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0007]
"MinWanEndpoints"=dword:00000001
"MaxWanEndpoints"=dword:00000001
"WanEndpoints"=dword:00000001
"Characteristics"=dword:00000029
"ComponentId"="ms_ptminiport"
"InfPath"="netrasa.inf"
"InfSection"="Ndi-Mp-Pti"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,4b,de,e9,27,bf,01
"DriverDate"="11-6-1999"
"DriverVersion"="5.0.2175.1"
"MatchingDeviceId"="ms_ptminiport"
"DriverDesc"="Direct Parallel"
"NetCfgInstanceId"="{91C63314-6A7D-4C78-8E7F-EA398814711B}"
"EnableForRas"=dword:00000000
"EnableForRouting"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0007\Linkage]
"RootDevice"=hex(7):7b,39,31,43,36,33,33,31,34,2d,36,41,37,44,2d,34,43,37,38,\

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2d,38,45,37,46,2d,45,41,33,39,38,38,31,34,37,31,31,42,7d,00,00
"UpperBind"=hex(7):4e,64,69,73,57,61,6e,00,00
"Export"=hex(7):5c,44,65,76,69,63,65,5c,7b,39,31,43,36,33,33,31,34,2d,36,41,37,\
44,2d,34,43,37,38,2d,38,45,37,46,2d,45,41,33,39,38,38,31,34,37,31,31,42,7d,\
00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-
08002BE10318}\0007\Ndi]
"Service"="Raspti"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-
08002BE10318}\0007\Ndi\Interfaces]
"UpperRange"="ndiscowan"
"LowerRange"="nolower"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-
08002BE10318}\0008]
"Characteristics"=dword:00000029
"ComponentId"="ms_ndiswanip"
"InfPath"="netrasa.inf"
"InfSection"="Ndi-Mp-IP"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,4b,de,e9,27,bf,01
"DriverDate"="11-6-1999"
"DriverVersion"="5.0.2175.1"
"MatchingDeviceId"="ms_ndiswanip"
"DriverDesc"="WAN Miniport (IP)"
"NetCfgInstanceId"="{396D97AF-F5DD-4D17-8D7D-3457149AAEC4}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-
08002BE10318}\0008\Linkage]
"RootDevice"=hex(7):4e,64,69,73,57,61,6e,49,70,00,00,00
"UpperBind"=hex(7):54,63,70,69,70,00,00,00
"Export"=hex(7):5c,44,65,76,69,63,65,5c,4e,64,69,73,57,61,6e,49,70,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-
08002BE10318}\0008\Ndi]
"BindForm"="NdisWanIP"
"Service"="NdisWan"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-
08002BE10318}\0008\Ndi\Interfaces]
"UpperRange"="ndiswanip"
"LowerRange"="wan"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-
08002BE10318}\0011]
"Characteristics"=dword:00000084
"BusType"="5"
"ComponentId"="pci\ven_10e4&dev_0005&rev_00"
"NodeName0"="JAN"
"NodeName1"="FEB"
"NodeName10"="NOV"
"NodeName11"="DEC"
"NodeName2"="MAR"
"NodeName3"="APR"
"NodeName4"="MAY"
"NodeName5"="JUN"
"NodeName6"="JUL"
"NodeName7"="AUG"
"NodeName8"="SEP"
"NodeName9"="OCT"
"InfPath"="oem0.inf"

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"InfSection"="Spad2.ndi"
"InfSectionExt"=".NT"
"ProviderName"="Compaq"
"MatchingDeviceId"="pci\ven_10e4&dev_0005&rev_00"
"DriverDesc"="Compaq ServerNet-II PCI Adapter, Rev 00"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-
08002BE10318}\0011\Ndi]
"Service"="Spad2"
"RequiredAll"="CQ_SnetNic"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-
08002BE10318}\0011\Ndi\Interfaces]
"UpperRange"="noupper"
"LowerRange"="nolower"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-
08002BE10318}\0011\Ndi\Params]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-
08002BE10318}\0011\Ndi\Params\NodeName0]
"ParamDesc"="Node00 Name"
"default"=""
"type"="edit"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-
08002BE10318}\0011\Ndi\Params\NodeName1]
"ParamDesc"="Node01 Name"
"default"=""
"type"="edit"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-
08002BE10318}\0011\Ndi\Params\NodeName10]
"ParamDesc"="Node10 Name"
"default"=""
"type"="edit"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-
08002BE10318}\0011\Ndi\Params\NodeName11]
"ParamDesc"="Node11 Name"
"default"=""
"type"="edit"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-
08002BE10318}\0011\Ndi\Params\NodeName2]
"ParamDesc"="Node02 Name"
"default"=""
"type"="edit"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-
08002BE10318}\0011\Ndi\Params\NodeName3]
"ParamDesc"="Node03 Name"
"default"=""
"type"="edit"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-
08002BE10318}\0011\Ndi\Params\NodeName4]
"ParamDesc"="Node04 Name"
"default"=""
"type"="edit"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-
08002BE10318}\0011\Ndi\Params\NodeName5]

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"ParamDesc"="Node05 Name"
"default"=""
"type"="edit"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0011\Ndi\Params\NodeName6]
"ParamDesc"="Node06 Name"
"default"=""
"type"="edit"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0011\Ndi\Params\NodeName7]
"ParamDesc"="Node07 Name"
"default"=""
"type"="edit"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0011\Ndi\Params\NodeName8]
"ParamDesc"="Node08 Name"
"default"=""
"type"="edit"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0011\Ndi\Params\NodeName9]
"ParamDesc"="Node09 Name"
"default"=""
"type"="edit"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0012]
"Characteristics"=dword:00000081
"ComponentId"="cq_snddis"
"AcksToDelay"="4"
"AckTimerDuration"="3"
"DebugLevel"="80000000"
"IsDeserialized"="0"
"MaximumPacketSize"="16384"
"MaximumSendPacketsAccepted"="8"
"TraceLevel"="0"
"TraceSize"="1"
"UsePrivateAssert"="0"
"InfPath"="netsndis.inf"
"InfSection"="SnNdis.ndi"
"InfSectionExt"=".NT"
"ProviderName"="Compaq"
"MatchingDeviceId"="cq_snddis"
"DriverDesc"="Compaq ServerNet-II NDIS Miniport"
"NetCfgInstanceId"="{503A6ECA-C489-4EC2-A96D-BB74710B0D6C}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0012\Linkage]
"RootDevice"=hex(7):7b,35,30,33,41,36,45,43,41,2d,43,34,38,39,2d,34,45,43,32,\
2d,41,39,36,44,2d,42,42,37,34,37,31,30,42,30,44,36,43,7d,00,00
"UpperBind"=hex(7):54,63,70,69,70,00,00
"Export"=hex(7):5c,44,65,76,69,63,65,5c,7b,35,30,33,41,36,45,43,41,2d,43,34,38,\
39,2d,34,45,43,32,2d,41,39,36,44,2d,42,42,37,34,37,31,30,42,30,44,36,43,7d,\
00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0012\Ndi]
"Service"="SnNdis"

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0012\Ndi\Interfaces]
"UpperRange"="ndis5"
"LowerRange"="ethernet"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0012\Ndi\Params]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0012\Ndi\Params\AcksToDelay]
"ParamDesc"="Acks to Queue"
"default"="4"
"min"="0"
"max"="4"
"step"="1"
"base"="10"
"type"="int"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0012\Ndi\Params\AckTimerDuration]
"ParamDesc"="Queued Ack Wait Time"
"default"="3"
"min"="1"
"max"="100"
"step"="1"
"base"="10"
"type"="int"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0012\Ndi\Params\DebugLevel]
"ParamDesc"="Debug Output Level"
"default"="80000000"
"type"="edit"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0012\Ndi\Params\IsDeserialized]
"ParamDesc"="Deserialized Mode"
"default"="0"
"min"="0"
"max"="1"
"step"="1"
"base"="10"
"type"="int"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0012\Ndi\Params\MaximumPacketSize]
"ParamDesc"="MTU"
"default"="16384"
"min"="64"
"max"="16384"
"step"="64"
"base"="10"
"type"="int"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0012\Ndi\Params\MaximumSendPacketsAccepted]
"ParamDesc"="Packet Descriptors"
"default"="8"
"min"="1"
"max"="16"
"step"="1"
"base"="10"
"type"="int"

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0012\Ndi\Params\TraceLevel]
"ParamDesc"="Trace Output Level"
"default"="0"
"type"="edit"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0012\Ndi\Params\TraceSize]
"ParamDesc"="Trace Buffer Size"
"default"="1"
"type"="edit"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0012\Ndi\Params\UsePrivateAssert]
"ParamDesc"="Debug Private Assert"
"default"="0"
"min"="0"
"max"="1"
"step"="1"
"base"="10"
"type"="int"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E973-E325-11CE-BFC1-08002BE10318}]
@"Network Client"
"Class"="NetClient"
"Icon"="-7"
"Installer32"="NetCfgx.Dll,NetClassInstaller"
"NoInstallClass"="1"
"NoDisplayClass"="1"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E974-E325-11CE-BFC1-08002BE10318}]
@"Network Service"
"Class"="NetService"
"Icon"="-8"
"Installer32"="NetCfgx.Dll,NetClassInstaller"
"NoInstallClass"="1"
"NoDisplayClass"="1"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E975-E325-11CE-BFC1-08002BE10318}]
@"Network Protocol"
"Class"="NetTrans"
"Icon"="-6"
"NoInstallClass"="1"
"NoDisplayClass"="1"
"Installer32"="NetCfgx.Dll,NetClassInstaller"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E977-E325-11CE-BFC1-08002BE10318}]
"Class"="PCMCIA"
@"PCMCIA adapters"
"Icon"="-11"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E978-E325-11CE-BFC1-08002BE10318}]
"Class"="Ports"
@"Ports (COM & LPT)"
"Icon"="-23"
"Installer32"="MsPorts.Dll,PortsClassInstaller"

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E978-E325-11CE-BFC1-08002BE10318}\0000]
"PortSubClass"=hex:00
"ECPDevice"=hex:00
"EnumPropPages32"="MsPorts.dll,ParallelPortPropPageProvider"
"InfPath"="msports.inf"
"InfSection"="LptPort"
"InfSectionExt"=".NT"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="*pnp0400"
"DriverDesc"="Printer Port"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E978-E325-11CE-BFC1-08002BE10318}\0001]
"PortSubClass"=hex:01
"EnumPropPages32"="MsPorts.dll,SerialPortPropPageProvider"
"InfPath"="msports.inf"
"InfSection"="ComPort"
"InfSectionExt"=".NT"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="*pnp0501"
"DriverDesc"="Communications Port"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E978-E325-11CE-BFC1-08002BE10318}\0002]
"PortSubClass"=hex:02
"EnumPropPages32"="MsPorts.dll,SerialPortPropPageProvider"
"InfPath"="msports.inf"
"InfSection"="ComPort"
"InfSectionExt"=".NT"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="*pnp0501"
"DriverDesc"="Communications Port"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E979-E325-11CE-BFC1-08002BE10318}]
"Class"="Printer"
@"Printers"
"Icon"="-4"
"Installer32"="ntprint.dll,ClassInstall32"
"NoDisplayClass"="1"
"EnumPropPages32"="printui.dll,PrinterPropPageProvider"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E97B-E325-11CE-BFC1-08002BE10318}]
"Class"="SCSIAdapter"
@"SCSI and RAID controllers"
"Installer32"="SysSetup.Dll,ScsiClassInstaller"
"Icon"="-10"
"LegacyInfOption"="SCSI"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E97B-E325-11CE-BFC1-08002BE10318}\0000]
"InfPath"="scsi.inf"

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"InfSection"="cpqarry2_Inst"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="pci\\ven_1000&dev_0010"
"DriverDesc"="Compaq Smart Array Controller"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E97B-E325-11CE-BFC1-08002BE10318}\0001]
"InfPath"="oem1.inf"
"InfSection"="cpq42xxb_Inst"
"ProviderName"="Compaq"
"DriverVersion"="5.1.1.1"
"MatchingDeviceId"="pci\\ven_1011&dev_0046&subsys_40500e11"
"DriverDesc"="Compaq Smart Array 4200 Controller (Performance)"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E97B-E325-11CE-BFC1-08002BE10318}\0002]
"InfPath"="oem1.inf"
"InfSection"="cpq42xxb_Inst"
"ProviderName"="Compaq"
"DriverVersion"="5.1.1.1"
"MatchingDeviceId"="pci\\ven_1011&dev_0046&subsys_40500e11"
"DriverDesc"="Compaq Smart Array 4200 Controller (Performance)"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E97B-E325-11CE-BFC1-08002BE10318}\0003]
"InfPath"="oem1.inf"
"InfSection"="cpq42xxb_Inst"
"ProviderName"="Compaq"
"DriverVersion"="5.1.1.1"
"MatchingDeviceId"="pci\\ven_1011&dev_0046&subsys_40500e11"
"DriverDesc"="Compaq Smart Array 4200 Controller (Performance)"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E97B-E325-11CE-BFC1-08002BE10318}\0004]
"InfPath"="oem1.inf"
"InfSection"="cpq42xxb_Inst"
"ProviderName"="Compaq"
"DriverVersion"="5.1.1.1"
"MatchingDeviceId"="pci\\ven_1011&dev_0046&subsys_40500e11"
"DriverDesc"="Compaq Smart Array 4200 Controller (Performance)"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E97B-E325-11CE-BFC1-08002BE10318}\0005]
"InfPath"="oem1.inf"
"InfSection"="cpq42xxb_Inst"
"ProviderName"="Compaq"
"DriverVersion"="5.1.1.1"
"MatchingDeviceId"="pci\\ven_1011&dev_0046&subsys_40500e11"
"DriverDesc"="Compaq Smart Array 4200 Controller (Performance)"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E97D-E325-11CE-BFC1-08002BE10318}]
"Class"-"System"
@="System devices"
"Icon"="-27"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E97D-E325-11CE-BFC1-08002BE10318}\0000]
"InfPath"="machine.inf"
"InfSection"="NO_DRV"

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"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="acpi\\fixedbutton"
"DriverDesc"="ACPI Fixed Feature Button"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E97D-E325-11CE-BFC1-08002BE10318}\0001]
"ResourcePickerExceptions"="IO@0-0xFF:*;IO:HAL,MBRES;MEM:HAL,MBRES,*;IRQ:HAL,*"
"ResourcePickerTags"="MBRES"
"InfPath"="machine.inf"
"InfSection"="NO_DRV_PIC"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="*pnp0000"
"DriverDesc"="Programmable interrupt controller"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E97D-E325-11CE-BFC1-08002BE10318}\0002]
"ResourcePickerExceptions"="IO@0-0xFF:*;IO:HAL,MBRES;MEM:HAL,MBRES,*;IRQ:HAL,*"
"ResourcePickerTags"="MBRES"
"InfPath"="machine.inf"
"InfSection"="NO_DRV_PIC"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="*pnp0003"
"DriverDesc"="Advanced programmable interrupt controller"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E97D-E325-11CE-BFC1-08002BE10318}\0003]
"ResourcePickerExceptions"="IO@0-0xFF:*;IO:HAL,MBRES;IRQ:HAL,*"
"ResourcePickerTags"="MBRES"
"InfPath"="machine.inf"
"InfSection"="NO_DRV_X"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="*pnp0100"
"DriverDesc"="System timer"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E97D-E325-11CE-BFC1-08002BE10318}\0004]
"ResourcePickerExceptions"="IO@0-0xFF:*;IO:HAL,MBRES;IRQ:HAL,*"
"ResourcePickerTags"="MBRES"
"InfPath"="machine.inf"
"InfSection"="NO_DRV_X"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="*pnp0200"
"DriverDesc"="Direct memory access controller"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E97D-E325-11CE-BFC1-08002BE10318}\0005]
"InfPath"="machine.inf"
"InfSection"="PARALLEL_DRV"

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"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="root\parallelclass"
"DriverDesc"="Parallel Class Enumerator"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E97D-E325-11CE-BFC1-08002BE10318}\0006]
"ResourcePickerExceptions"="IO@0-0xFF:*;IO:HAL,MBRES;IRQ:HAL,*"
"ResourcePickerTags"="MBRES"
"InfPath"="machine.inf"
"InfSection"="NO_DRV_X"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="*pnp0800"
"DriverDesc"="System speaker"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E97D-E325-11CE-BFC1-08002BE10318}\0007]
"ResourcePickerExceptions"="IO:HAL,MBRES;MEM:HAL,MBRES"
"ResourcePickerTags"="MBRES"
"InfPath"="machine.inf"
"InfSection"="PCI_DRV_ROOT"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="*pnp0a03"
"DriverDesc"="PCI bus"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E97D-E325-11CE-BFC1-08002BE10318}\0008]
"ResourcePickerExceptions"="IO:HAL,MBRES;MEM:HAL,MBRES"
"ResourcePickerTags"="MBRES"
"InfPath"="machine.inf"
"InfSection"="PCI_DRV_ROOT"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="*pnp0a03"
"DriverDesc"="PCI bus"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E97D-E325-11CE-BFC1-08002BE10318}\0009]
"ResourcePickerExceptions"="IO:HAL,MBRES;MEM:HAL,MBRES"
"ResourcePickerTags"="MBRES"
"InfPath"="machine.inf"
"InfSection"="PCI_DRV_ROOT"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="*pnp0a03"
"DriverDesc"="PCI bus"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E97D-E325-11CE-BFC1-08002BE10318}\0010]
"ResourcePickerExceptions"="IO@0-0xFF:*;IO:HAL,MBRES;IRQ:HAL,*"
"ResourcePickerTags"="MBRES"

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"InfPath"="machine.inf"
"InfSection"="NO_DRV_X_PNP"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="*pnp0a06"
"DriverDesc"="Extended IO Bus"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E97D-E325-11CE-BFC1-08002BE10318}\0011]
"ResourcePickerExceptions"="IO:HAL,MBRES,*;MEM:HAL,MBRES,*"
"ResourcePickerTags"="MBRES"
"InfPath"="machine.inf"
"InfSection"="NO_DRV_MBRES"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="*pnp0c02"
"DriverDesc"="Motherboard resources"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E97D-E325-11CE-BFC1-08002BE10318}\0012]
"InfPath"="machine.inf"
"InfSection"="NO_DRV"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="acpi\thermalzone"
"DriverDesc"="ACPI Thermal Zone"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E97D-E325-11CE-BFC1-08002BE10318}\0013]
"ResourcePickerExceptions"="IRQ:HAL"
"InfPath"="acpi.inf"
"InfSection"="ACPI_Inst"
"InfSectionExt"=".NT"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="*pnp0c08"
"DriverDesc"="Microsoft ACPI-Compliant System"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E97D-E325-11CE-BFC1-08002BE10318}\0014]
"InfPath"="machine.inf"
"InfSection"="NO_DRV"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="isapnp\readdataport"
"DriverDesc"="ISAPNP Read Data Port"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E97D-E325-11CE-BFC1-08002BE10318}\0015]
"InfPath"="machine.inf"
"InfSection"="NO_DRV"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01

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"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="pci\cc_0600"
"DriverDesc"="PCI standard host CPU bridge"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E97D-E325-11CE-BFC1-08002BE10318}\0016]
"InfPath"="machine.inf"
"InfSection"="NO_DRV"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="pci\cc_0600"
"DriverDesc"="PCI standard host CPU bridge"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E97D-E325-11CE-BFC1-08002BE10318}\0017]
"InfPath"="machine.inf"
"InfSection"="NO_DRV"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="pci\cc_0600"
"DriverDesc"="PCI standard host CPU bridge"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E97D-E325-11CE-BFC1-08002BE10318}\0018]
"InfPath"="machine.inf"
"InfSection"="NO_DRV"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="pci\ven_0e11&dev_a0f0"
"DriverDesc"="Compaq Advanced System Management Controller"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E97D-E325-11CE-BFC1-08002BE10318}\0019]
"InfPath"="machine.inf"
"InfSection"="NO_DRV"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="pci\ven_0e11&dev_a0f7"
"DriverDesc"="Compaq PCI Hotplug Controller"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E97D-E325-11CE-BFC1-08002BE10318}\0020]
"InfPath"="machine.inf"
"InfSection"="NO_DRV"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="pci\ven_0e11&dev_a0f7"
"DriverDesc"="Compaq PCI Hotplug Controller"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E97D-E325-11CE-BFC1-08002BE10318}\0021]
"InfPath"="machine.inf"

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"InfSection"="NO_DRV"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="pci\ven_0e11&dev_a0f7"
"DriverDesc"="Compaq PCI Hotplug Controller"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E97D-E325-11CE-BFC1-08002BE10318}\0022]
"InfPath"="machine.inf"
"InfSection"="PCI_DRV"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="pci\ven_1011&dev_0026"
"DriverDesc"="DEC 21154 PCI to PCI bridge"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E97D-E325-11CE-BFC1-08002BE10318}\0023]
"InfPath"="machine.inf"
"InfSection"="PCI_DRV"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="pci\ven_1011&dev_0026"
"DriverDesc"="DEC 21154 PCI to PCI bridge"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E97D-E325-11CE-BFC1-08002BE10318}\0024]
"InfPath"="machine.inf"
"InfSection"="ISAPNP_DRV"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="pci\cc_0601"
"DriverDesc"="PCI standard ISA bridge"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E97D-E325-11CE-BFC1-08002BE10318}\0025]
"InfPath"="machine.inf"
"InfSection"="NO_DRV"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="pci\cc_0500"
"DriverDesc"="PCI standard RAM Controller"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E97D-E325-11CE-BFC1-08002BE10318}\0026]
"InfPath"="machine.inf"
"InfSection"="NO_DRV"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="pci\cc_0500"
"DriverDesc"="PCI standard RAM Controller"

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E97D-E325-11CE-BFC1-08002BE10318}\0027]
"InfPath"="machine.inf"
"InfSection"="DMIO_DRV"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="root\dmio"
"DriverDesc"="Logical Disk Manager"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E97D-E325-11CE-BFC1-08002BE10318}\0028]
"InfPath"="machine.inf"
"InfSection"="FTDISK_DRV"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="root\ftdisk"
"DriverDesc"="Volume Manager"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E97D-E325-11CE-BFC1-08002BE10318}\0029]
"InfPath"="machine.inf"
"InfSection"="SWENUM"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="root\swenum"
"DriverDesc"="Plug and Play Software Device Enumerator"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E97D-E325-11CE-BFC1-08002BE10318}\0030]
"InfPath"="machine.inf"
"InfSection"="UPDATE_DRV"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="root\update"
"DriverDesc"="Microcode Update Device"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E97D-E325-11CE-BFC1-08002BE10318}\0036]
"InfPath"="scsidev.inf"
"InfSection"="NODRV"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="scsi\othercompaq_scsi_communicate"
"DriverDesc"="Compaq Virtual LUN"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E97D-E325-11CE-BFC1-08002BE10318}\0037]
"InfPath"="machine.inf"
"InfSection"="RDPDR"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"

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"MatchingDeviceId"="root\rdpdr"
"DriverDesc"="Terminal Server Device Redirector"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E97D-E325-11CE-BFC1-08002BE10318}\0038]
"InfPath"="machine.inf"
"InfSection"="PCI_DRV"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="pci\ven_1011&dev_0026"
"DriverDesc"="DEC 21154 PCI to PCI bridge"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E97E-E325-11CE-BFC1-08002BE10318}]
@="Other devices"
"Class"="Unknown"
"Icon"="-18"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E980-E325-11CE-BFC1-08002BE10318}]
"Class"="FloppyDisk"
@="Floppy disk drives"
"EnumPropPages32"="SysSetup.Dll,DiskPropPageProvider"
"SilentInstall"="1"
"NoInstallClass"="1"
"Troubleshooter-0"="tshoot.chm,hdw_drives.htm"
"Icon"="102"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E980-E325-11CE-BFC1-08002BE10318}\0000]
"InfPath"="flpydisk.inf"
"InfSection"="floppy_install"
"InfSectionExt"=".NT"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="genfloppydisk"
"DriverDesc"="Floppy disk drive"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{50906CB8-BA12-11D1-BF5D-0000F805F530}]
"Class"="MultiPortSerial"
@="Multi-port serial adapters"
"Icon"="-26"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{50DD5230-BA8A-11D1-BF5D-0000F805F530}]
"Class"="SmartCardReader"
@="Smart card readers"
"Icon"="-25"
"NoInstallClass"="1"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{6BDD1FC1-810F-11D0-BEC7-08002BE2092F}]
"Class"="1394"
@="IEEE 1394 Bus host controllers"
"Icon"="-21"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{6BDD1FC5-810F-11D0-BEC7-08002BE2092F}]

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"Class"="Infrared"
@="Infrared devices"
"EnumPropPages32"="NetCfgx.dll,NetPropPageProvider"
"Icon"="1401"
"Installer32"="NetCfgx.dll,NetClassInstaller"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{6BDD1FC6-810F-11D0-BEC7-08002BE2092F}]
"Class"="Image"
@="Imaging devices"
"Installer32"="sti_ci.dll,ClassInstall"
"TroubleShooter-0"="tshoot.chm,hdw_scanner.htm"
"Icon"="0"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{6D807884-7D21-11CF-801C-08002BE10318}]
"Class"="TapeDrive"
@="Tape drives"
"EnumPropPages32"="SysSetup.Dll,TapePropPageProvider"
"Icon"="91"
"Installer32"="SysSetup.Dll,TapeClassInstaller"
"LegacyInfOption"="TAPE"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{71A27CDD-812A-11D0-BEC7-08002BE2092F}]
"Class"="Volume"
@="Storage volumes"
"EnumPropPages32"="StorProp.Dll,VolumePropPageProvider"
"SilentInstall"="1"
"NoInstallClass"="1"
"Icon"="53"
"Installer32"="syssetup.dll,VolumeClassInstaller"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{71A27CDD-812A-11D0-BEC7-08002BE2092F}\0000]
"InfPath"="volume.inf"
"InfSection"="volume_install"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="storage\volume"
"DriverDesc"="Generic volume"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{71A27CDD-812A-11D0-BEC7-08002BE2092F}\0001]
"InfPath"="volume.inf"
"InfSection"="volume_install"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="storage\volume"
"DriverDesc"="Generic volume"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{71A27CDD-812A-11D0-BEC7-08002BE2092F}\0002]
"InfPath"="volume.inf"
"InfSection"="volume_install"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"

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"MatchingDeviceId"="storage\volume"
"DriverDesc"="Generic volume"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{71A27CDD-812A-11D0-BEC7-08002BE2092F}\0003]
"InfPath"="volume.inf"
"InfSection"="volume_install"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="storage\volume"
"DriverDesc"="Generic volume"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{71A27CDD-812A-11D0-BEC7-08002BE2092F}\0004]
"InfPath"="volume.inf"
"InfSection"="volume_install"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="storage\volume"
"DriverDesc"="Generic volume"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{71A27CDD-812A-11D0-BEC7-08002BE2092F}\0005]
"InfPath"="volume.inf"
"InfSection"="volume_install"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="storage\volume"
"DriverDesc"="Generic volume"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{71A27CDD-812A-11D0-BEC7-08002BE2092F}\0006]
"InfPath"="volume.inf"
"InfSection"="volume_install"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="storage\volume"
"DriverDesc"="Generic volume"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{71A27CDD-812A-11D0-BEC7-08002BE2092F}\0007]
"InfPath"="volume.inf"
"InfSection"="volume_install"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="storage\volume"
"DriverDesc"="Generic volume"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{71A27CDD-812A-11D0-BEC7-08002BE2092F}\0008]
"InfPath"="volume.inf"
"InfSection"="volume_install"
"ProviderName"="Microsoft"

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"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="storage\\volume"
"DriverDesc"="Generic volume"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{71A27CDD-812A-11D0-BEC7-08002BE2092F}\0009]
"InfPath"="volume.inf"
"InfSection"="volume_install"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="storage\\volume"
"DriverDesc"="Generic volume"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{71A27CDD-812A-11D0-BEC7-08002BE2092F}\0010]
"InfPath"="volume.inf"
"InfSection"="volume_install"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="storage\\volume"
"DriverDesc"="Generic volume"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{71A27CDD-812A-11D0-BEC7-08002BE2092F}\0011]
"InfPath"="volume.inf"
"InfSection"="volume_install"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="storage\\volume"
"DriverDesc"="Generic volume"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{71A27CDD-812A-11D0-BEC7-08002BE2092F}\0012]
"InfPath"="volume.inf"
"InfSection"="volume_install"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="storage\\volume"
"DriverDesc"="Generic volume"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{71A27CDD-812A-11D0-BEC7-08002BE2092F}\0013]
"InfPath"="volume.inf"
"InfSection"="volume_install"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="storage\\volume"
"DriverDesc"="Generic volume"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{71A27CDD-812A-11D0-BEC7-08002BE2092F}\0014]

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"InfPath"="volume.inf"
"InfSection"="volume_install"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="storage\\volume"
"DriverDesc"="Generic volume"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{71A27CDD-812A-11D0-BEC7-08002BE2092F}\0015]
"InfPath"="volume.inf"
"InfSection"="volume_install"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="storage\\volume"
"DriverDesc"="Generic volume"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{71A27CDD-812A-11D0-BEC7-08002BE2092F}\0016]
"InfPath"="volume.inf"
"InfSection"="volume_install"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="storage\\volume"
"DriverDesc"="Generic volume"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{71A27CDD-812A-11D0-BEC7-08002BE2092F}\0017]
"InfPath"="volume.inf"
"InfSection"="volume_install"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="storage\\volume"
"DriverDesc"="Generic volume"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{71A27CDD-812A-11D0-BEC7-08002BE2092F}\0018]
"InfPath"="volume.inf"
"InfSection"="volume_install"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="storage\\volume"
"DriverDesc"="Generic volume"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{71A27CDD-812A-11D0-BEC7-08002BE2092F}\0019]
"InfPath"="volume.inf"
"InfSection"="volume_install"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="storage\\volume"
"DriverDesc"="Generic volume"

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{71A27CDD-812A-11D0-BEC7-08002BE2092F}\0020]
"InfPath"="volume.inf"
"InfSection"="volume_install"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="storage\\volume"
"DriverDesc"="Generic volume"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{71A27CDD-812A-11D0-BEC7-08002BE2092F}\0021]
"InfPath"="volume.inf"
"InfSection"="volume_install"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="storage\\volume"
"DriverDesc"="Generic volume"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{71A27CDD-812A-11D0-BEC7-08002BE2092F}\0022]
"InfPath"="volume.inf"
"InfSection"="volume_install"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="storage\\volume"
"DriverDesc"="Generic volume"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{71A27CDD-812A-11D0-BEC7-08002BE2092F}\0023]
"InfPath"="volume.inf"
"InfSection"="volume_install"
"ProviderName"="Microsoft"
"DriverDateData"=hex:00,40,99,31,33,2e,bf,01
"DriverDate"="11-14-1999"
"DriverVersion"="5.0.2183.1"
"MatchingDeviceId"="storage\\volume"
"DriverDesc"="Generic volume"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{72631E54-78A4-11D0-BCF7-00AA00B7B32A}]
"Class"="Battery"
@="Batteries"
"Icon"="2"
"Installer32"="Batt.dll,BatteryClassInstall"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{745A17A0-74D3-11D0-B6FE-00A0C90F57DA}]
"Class"="HIDClass"
@="Human Interface Devices"
"Icon"="24"
"NoInstallClass"="1"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{8ECC055D-047F-11D1-A537-0000F8753ED1}]
"Class"="LegacyDriver"
@="Non-Plug and Play Drivers"

```

```

"NoDisplayClass"="1"
"SilentInstall"="1"
"NoInstallClass"="1"
"EnumPropPages32"="SysSetup.Dll,LegacyDriverPropPageProvider"
"Icon"="-19"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{CE5939AE-EBDE-11D0-B181-0000F8753EC4}]
"Class"="MediumChanger"
@="Medium Changers"
"NoInstallClass"="1"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\CoDeviceInstallers]
"{4D36E965-E325-11CE-BF01-08002BE10318}"=hex(7):53,79,73,53,65,74,75,70,2e,44,\
6c,6c,2c,53,74,6f,72,61,67,65,43,6f,49,6e,73,74,61,6c,6c,65,72,00,53,79,73,\
53,65,74,75,70,2e,44,6c,6c,2c,43,72,69,74,69,63,61,6c,44,65,76,69,63,65,43,\
6f,49,6e,73,74,61,6c,6c,65,72,00,00
"{4D36E967-E325-11CE-BF01-08002BE10318}"=hex(7):53,79,73,53,65,74,75,70,2e,44,\
6c,6c,2c,53,74,6f,72,61,67,65,43,6f,49,6e,73,74,61,6c,6c,65,72,00,53,79,73,\
53,65,74,75,70,2e,44,6c,6c,2c,43,72,69,74,69,63,61,6c,44,65,76,69,63,65,43,\
6f,49,6e,73,74,61,6c,6c,65,72,00,00
"{4D36E96A-E325-11CE-BF01-08002BE10318}"=hex(7):53,79,73,53,65,74,75,70,2e,44,\
6c,6c,2c,43,72,69,74,69,63,61,6c,44,65,76,69,63,65,43,6f,49,6e,73,74,61,6c,\
6c,65,72,00,00
"{4D36E96B-E325-11CE-BF01-08002BE10318}"=hex(7):53,79,73,53,65,74,75,70,2e,44,\
6c,6c,2c,43,72,69,74,69,63,61,6c,44,65,76,69,63,65,43,6f,49,6e,73,74,61,6c,\
6c,65,72,00,00
"{4D36E96F-E325-11CE-BF01-08002BE10318}"=hex(7):53,79,73,53,65,74,75,70,2e,44,\
6c,6c,2c,43,72,69,74,69,63,61,6c,44,65,76,69,63,65,43,6f,49,6e,73,74,61,6c,\
6c,65,72,00,00
"{4D36E96D-E325-11CE-BF01-08002BE10318}"=hex(7):4e,65,74,43,66,67,78,2e,64,6c,\
6c,2c,4d,6f,64,65,6d,43,6c,61,73,73,43,6f,49,6e,73,74,61,6c,6c,65,72,00,46,\
61,78,4f,63,6d,2e,64,6c,6c,2c,46,61,78,4d,6f,64,65,6d,43,6f,43,6c,61,73,73,\
49,6e,73,74,61,6c,6c,65,72,00,00
"{4D36E97B-E325-11CE-BF01-08002BE10318}"=hex(7):53,79,73,53,65,74,75,70,2e,44,\
6c,6c,2c,43,72,69,74,69,63,61,6c,44,65,76,69,63,65,43,6f,49,6e,73,74,61,6c,\
6c,65,72,00,00
"{4D36E97D-E325-11CE-BF01-08002BE10318}"=hex(7):53,79,73,53,65,74,75,70,2e,44,\
6c,6c,2c,43,72,69,74,69,63,61,6c,44,65,76,69,63,65,43,6f,49,6e,73,74,61,6c,\
6c,65,72,00,00
"{6D807884-7D21-11CF-801C-08002BE10318}"=hex(7):53,79,73,53,65,74,75,70,2e,44,\
6c,6c,2c,53,74,6f,72,61,67,65,43,6f,49,6e,73,74,61,6c,6c,65,72,00,00
"{50906CB8-BA12-11D1-BF5D-0000F805F530}"=hex(7):65,71,6e,63,6c,61,73,73,2e,64,\
6c,6c,2c,43,6f,49,6e,73,74,61,6c,6c,43,6c,61,73,73,00,73,70,78,63,6f,69,6e,\
73,2e,64,6c,6c,2c,53,70,78,43,6c,61,73,73,43,6f,49,6e,73,74,61,6c,6c,65,72,\
00,64,67,73,65,74,75,70,2e,64,6c,6c,2c,44,69,67,69,4d,75,6c,74,69,50,6f,72,\
74,43,6f,49,6e,73,74,61,6c,6c,65,72,00,64,67,72,70,73,65,74,75,2e,64,6c,6c,\
2c,44,69,67,69,4d,75,6c,74,69,50,6f,72,74,43,6f,49,6e,73,74,61,6c,6c,65,72,\
00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\COM Name Arbiter]
"ComDB"=hex:03,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00
"ComDB Merge"=hex:03,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\ComputerName]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\ComputerName\ComputerName]
"ComputerName"="JUN"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\ComputerName\ActiveComputerName]

```

"ComputerName"="JUN"

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\ContentIndex]
"MajorVersion"=dword:00000003
"MinorVersion"=dword:00000000
"ChangeNotificationInterval"=dword:0000000f
"DaemonResponseTimeout"=dword:00000005
"DelayUsnReadOnLowResource"=dword:00000001
"FilterContents"=dword:00000001
"FilterDirectories"=dword:00000000
"FilterFilesWithUnknownExtensions"=dword:00000000
"FilterIdleTimeout"=dword:000493e0
"FilterDelayInterval"=dword:00000014
"FilterRemainingThreshold"=dword:00000002
"FilterRetries"=dword:00000004
"DelayedFilterRetries"=dword:000000f0
"FilterRetryInterval"=dword:0000001e
"ForcedNetPathScanInterval"=dword:00000078
"IsEnumAllowed"=dword:00000001
"IsapiMaxRecordsPerGetRows"=dword:0000000a
"IsapiMaxRecordsInResultSet"=dword:00001388
"IsapiQueryCachePurgeInterval"=dword:00000005
"IsapiDateTimeFormatting"=dword:00000001
"IsapiDateTimeLocal"=dword:00000000
"ISAPIDefaultCatalogDirectory"="System"
"LowResourceCheckInterval"=dword:0000003c
"LowResourceSleep"=dword:000000b4
"MasterMergeCheckpointInterval"=dword:00000800
"MasterMergeTime"=dword:00000000
"MaxDefaultFilter"=dword:000000100
"MaxFilesizeFiltered"=dword:00000100
"MaxFilesizeMultiplier"=dword:00000008
"MaxIdealIndexes"=dword:00000005
"MaxIndexes"=dword:00000019
"MaxMergeInterval"=dword:0000000a
"MaxPendingDocuments"=dword:00000020
"MaxQueueChunks"=dword:00000014
"MaxQueryTimeslice"=dword:00000032
"MaxShadowFreeForceMerge"=dword:000001f4
"MaxShadowIndexSize"=dword:0000000f
"MaxTextFilterBytes"=dword:017d7840
"MaxWordlistSize"=dword:00000014
"MinDiskFreeForceMerge"=dword:0000000f
"MinMergeIdleTime"=dword:0000005a
"MinSizeMergeWordlists"=dword:00000100
"MinClientIdleTime"=dword:00000258
"MinWordlistMemory"=dword:00000005
"MinWordlistBattery"=dword:00000064
"WordlistUserIdle"=dword:00000078
"ThreadClassFilter"=dword:00000040
"ThreadPriorityFilter"=dword:00000001
"ThreadPriorityMerge"=dword:ffffffe
"GenerateCharacterization"=dword:00000000
"MaxCharacterization"=dword:00000140
"EventLogFlags"=dword:00000002
"CiCatalogFlags"=dword:00000000
"IsAutoAlias"=dword:00000001
"IsIndexingW3Svc"=dword:00000000
"IsIndexingNNTPSvc"=dword:00000000
"IsIndexingIMAPSvc"=dword:00000000
"W3SvcInstance"=dword:00000001
"NNTPSvcInstance"=dword:00000001
"IMAPSvcInstance"=dword:00000001
```

```
"RequestTimeout"=dword:00002710
"StompLastAccessDelay"=dword:00000007
"MinDiskSpaceToLeave"=dword:00000014
"MaxUsnLogSize"=dword:00800000
"UsnLogAllocationDelta"=dword:00100000
"ScanBackoff"=dword:00000003
"StartupDelay"=dword:00075300
"MaxRunningWebhits"=dword:00000014
"MaxWebhitsCpuTime"=dword:0000001e
"WebhitsDisplayScript"=dword:00000001
"MaxQueryExecutionTime"=dword:00007530
"MaxWordlistIo"=dword:00000600
"MinIdleQueryThreads"=dword:00000003
"MaxActiveQueryThreads"=dword:00000006
"MaxFreshCount"=dword:00004e20
"PropertyStoreMappedCache"=dword:00000010
"SecPropertyStoreMappedCache"=dword:00000010
"IsapiRequestQueueSize"=dword:00000018
"MinIdleRequestThreads"=dword:00000002
"MaxActiveRequestThreads"=dword:00000004
"MaxSimultaneousRequests"=dword:000000c8
"MaxCachedPipes"=dword:00000004
"MaxWordLists"=dword:00000014
"MinimizeWorkingsSet"=dword:00000000
"IsapiMaxEntriesInQueryCache"=dword:0000000a
"MaxRestrictionNodes"=dword:00004000
"PropertyStoreBackupSize"=dword:00000400
"SecPropertyStoreBackupSize"=dword:00000400
"DLLsToRegister"=hex(7):43,3a,5c,57,49,4e,4e,54,5c,53,79,73,74,65,6d,33,32,5c,\
71,75,65,72,79,2e,64,6c,6c,00,43,3a,5c,57,49,4e,4e,54,5c,53,79,73,74,65,6d,\
33,32,5c,63,69,61,64,6d,69,6e,2e,64,6c,6c,00,43,3a,5c,57,49,4e,4e,54,5c,53,\
79,73,74,65,6d,33,32,5c,69,78,73,73,6f,2e,64,6c,6c,00,43,3a,5c,57,49,4e,4e,\
54,5c,53,79,73,74,65,6d,33,32,5c,6e,6c,68,74,6d,6c,2e,64,6c,00,43,3a,5c,\
57,49,4e,4e,54,5c,53,79,73,74,65,6d,33,32,5c,6f,66,66,66,69,6c,74,2e,64,6c,\
6c,00,43,3a,5c,57,49,4e,4e,54,5c,53,79,73,74,65,6d,33,32,5c,63,69,6f,64,6d,\
2e,64,6c,6c,00,43,3a,5c,57,49,4e,4e,54,5c,53,79,73,74,65,6d,33,32,5c,69,6e,\
66,6f,73,6f,66,74,2e,64,6c,6c,00,43,3a,5c,57,49,4e,4e,54,5c,53,79,73,74,65,\
6d,33,32,5c,6d,69,6d,65,66,69,6c,74,2e,64,6c,6c,00,00
"FilterTrackers"=hex(7):7b,41,33,43,36,33,39,31,38,2d,38,38,39,44,2d,31,31,44,\
31,2d,38,33,45,39,2d,30,30,43,30,34,46,43,32,43,36,44,34,7d,00,00,00
```

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\ContentIndex\Catalogs]

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\ContentIndex\Catalogs\System]
"Location"="L:\\System Volume Information"
"IsIndexingW3Svc"=dword:00000000
"IsIndexingNNTPSvc"=dword:00000000
```

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\ContentIndex\Catalogs\System\Scopes]

```
"C:\\Documents and Settings"=",,5"
"C:\\"=",,5"
"L:\\"=",,5"
"O:\\"=",,5"
"C:\\Documents and Settings\\Default User\\WINNT\\Application Data\\*"=",,4"
"C:\\Documents and Settings\\Default User\\WINNT\\Local Settings\\Temporary Internet Files\\*"=",,4"
"C:\\Documents and Settings\\Default User\\WINNT\\Local Settings\\*"=",,4"
```

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\ContentIndex\Language]

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\ContentIndex\Language\Dutch_Dutch]
"Language"="Dutch"
```

```

"ISAPIIDQErrorFile"="/iissamples/issamples/IDQError.htm"
"ISAPIHTXErrorFile"="/iissamples/issamples/HTXError.htm"
"ISAPIRestrictionErrorFile"="/iissamples/issamples/ResError.htm"
"ISAPIDefaultErrorFile"="/iissamples/issamples/DefError.htm"
"Locale"=dword:00000413
"NoiseFile"="noise.nld"
"StemmerClass"="{860d28d0-8bf4-11ce-be59-00aa0051fe20}"
"WBreakerClass"="{66b37110-8bf2-11ce-be59-00aa0051fe20}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\ContentIndex\Language\English_U
K]
"ISAPIIDQErrorFile"="/iissamples/issamples/IDQError.htm"
"ISAPIHTXErrorFile"="/iissamples/issamples/HTXError.htm"
"ISAPIRestrictionErrorFile"="/iissamples/issamples/ResError.htm"
"ISAPIDefaultErrorFile"="/iissamples/issamples/DefError.htm"
"Locale"=dword:00000809
"NoiseFile"="noise.eng"
"StemmerClass"="{d99f7670-7f1a-11ce-be57-00aa0051fe20}"
"WBreakerClass"="{59e097e4-8099-101b-8df3-00000b65c3b5}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\ContentIndex\Language\English_U
S]
"ISAPIIDQErrorFile"="/iissamples/issamples/IDQError.htm"
"ISAPIHTXErrorFile"="/iissamples/issamples/HTXError.htm"
"ISAPIRestrictionErrorFile"="/iissamples/issamples/ResError.htm"
"ISAPIDefaultErrorFile"="/iissamples/issamples/DefError.htm"
"Locale"=dword:00000409
"NoiseFile"="noise.enu"
"StemmerClass"="{eed4c20-7f1b-11ce-be57-00aa0051fe20}"
"WBreakerClass"="{59e09780-8099-101b-8df3-00000b65c3b5}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\ContentIndex\Language\French_Fr
ench]
"ISAPIIDQErrorFile"="/iissamples/issamples/IDQError.htm"
"ISAPIHTXErrorFile"="/iissamples/issamples/HTXError.htm"
"ISAPIRestrictionErrorFile"="/iissamples/issamples/ResError.htm"
"ISAPIDefaultErrorFile"="/iissamples/issamples/DefError.htm"
"Locale"=dword:0000040c
"NoiseFile"="noise.fra"
"StemmerClass"="{2a6eb050-7f1c-11ce-be57-00aa0051fe20}"
"WBreakerClass"="{59e09848-8099-101b-8df3-00000b65c3b5}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\ContentIndex\Language\German_Ge
rman]
"ISAPIIDQErrorFile"="/iissamples/issamples/IDQError.htm"
"ISAPIHTXErrorFile"="/iissamples/issamples/HTXError.htm"
"ISAPIRestrictionErrorFile"="/iissamples/issamples/ResError.htm"
"ISAPIDefaultErrorFile"="/iissamples/issamples/DefError.htm"
"Locale"=dword:00000407
"NoiseFile"="noise.deu"
"StemmerClass"="{510a4910-7f1c-11ce-be57-00aa0051fe20}"
"WBreakerClass"="{9b08e210-e51b-11cd-bc7f-00aa003db18e}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\ContentIndex\Language\Italian_I
talian]
"ISAPIIDQErrorFile"="/iissamples/issamples/IDQError.htm"
"ISAPIHTXErrorFile"="/iissamples/issamples/HTXError.htm"
"ISAPIRestrictionErrorFile"="/iissamples/issamples/ResError.htm"
"ISAPIDefaultErrorFile"="/iissamples/issamples/DefError.htm"
"Locale"=dword:00000410
"NoiseFile"="noise.ita"
"StemmerClass"="{6d36ce10-7f1c-11ce-be57-00aa0051fe20}"
"WBreakerClass"="{fd86b5d0-12c6-11ce-bd31-00aa004bbb1f}"

```

```

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\ContentIndex\Language\Neutral]
"ISAPIIDQErrorFile"="/iissamples/issamples/IDQError.htm"
"ISAPIHTXErrorFile"="/iissamples/issamples/HTXError.htm"
"ISAPIRestrictionErrorFile"="/iissamples/issamples/ResError.htm"
"ISAPIDefaultErrorFile"="/iissamples/issamples/DefError.htm"
"Locale"=dword:00000000
"NoiseFile"="noise.dat"
"StemmerClass"=""
"WBreakerClass"="{369647e0-17b0-11ce-9950-00aa004bbb1f}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\ContentIndex\Language\Spanish_M
odern]
"ISAPIIDQErrorFile"="/iissamples/issamples/IDQError.htm"
"ISAPIHTXErrorFile"="/iissamples/issamples/HTXError.htm"
"ISAPIRestrictionErrorFile"="/iissamples/issamples/ResError.htm"
"ISAPIDefaultErrorFile"="/iissamples/issamples/DefError.htm"
"Locale"=dword:00000c0a
"NoiseFile"="noise.esn"
"StemmerClass"="{b0516ff0-7f1c-11ce-be57-00aa0051fe20}"
"WBreakerClass"="{0285b5c0-12c7-11ce-bd31-00aa004bbb1f}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\ContentIndex\Language\Swedish_D
efault]
"ISAPIIDQErrorFile"="/iissamples/issamples/IDQError.htm"
"ISAPIHTXErrorFile"="/iissamples/issamples/HTXError.htm"
"ISAPIRestrictionErrorFile"="/iissamples/issamples/ResError.htm"
"ISAPIDefaultErrorFile"="/iissamples/issamples/DefError.htm"
"Locale"=dword:0000041d
"NoiseFile"="noise.sve"
"StemmerClass"="{9478f640-7f1c-11ce-be57-00aa0051fe20}"
"WBreakerClass"="{01c6b350-12c7-11ce-bd31-00aa004bbb1f}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\ContentIndex\Common]
"QueryD11"="C:\Program Files\Common Files\System\MSSearch\bin\tquery.dll"
"DefaultColumnFile"="C:\Program Files\Common
Files\System\MSSearch\Data\Config\definecolumns.txt"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\CrashControl]
"AutoReboot"=dword:00000000
"CrashDumpEnabled"=dword:00000002
"DumpFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,4d,45,4d,4f,52,59,2e,\
44,4d,50,00
"LogEvent"=dword:00000001
"MinidumpDir"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,4d,69,6e,69,64,75,\
6d,70,00
"Overwrite"=dword:00000001
"SendAlert"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\CriticalDeviceDatabase]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\CriticalDeviceDatabase\*pnp0000
]
"ClassGUID"="{4D36E97D-E325-11CE-BFC1-08002BE10318}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\CriticalDeviceDatabase\*pnp0003
]
"ClassGUID"="{4D36E97D-E325-11CE-BFC1-08002BE10318}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\CriticalDeviceDatabase\*pnp0100
]
"ClassGUID"="{4D36E97D-E325-11CE-BFC1-08002BE10318}"

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\CriticalDeviceDatabase\*pnp0200]
"ClassGUID"="{4D36E97D-E325-11CE-BFC1-08002BE10318}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\CriticalDeviceDatabase\*pnp0303]
"Service"="i8042prt"
"ClassGUID"="{4D36E96B-E325-11CE-BFC1-08002BE10318}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\CriticalDeviceDatabase\*pnp0600]
"Service"="atapi"
"ClassGUID"="{4D36E96A-E325-11CE-BFC1-08002BE10318}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\CriticalDeviceDatabase\*pnp0800]
"ClassGUID"="{4D36E97D-E325-11CE-BFC1-08002BE10318}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\CriticalDeviceDatabase\*pnp0a03]
"Service"="pci"
"ClassGUID"="{4D36E97D-E325-11CE-BFC1-08002BE10318}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\CriticalDeviceDatabase\*pnp0a06]
"ClassGUID"="{4D36E97D-E325-11CE-BFC1-08002BE10318}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\CriticalDeviceDatabase\*pnp0c02]
"ClassGUID"="{4D36E97D-E325-11CE-BFC1-08002BE10318}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\CriticalDeviceDatabase\*pnp0c08]
"Service"="ACPI"
"ClassGUID"="{4D36E97D-E325-11CE-BFC1-08002BE10318}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\CriticalDeviceDatabase\*pnp0f13]
"Service"="i8042prt"
"ClassGUID"="{4D36E96F-E325-11CE-BFC1-08002BE10318}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\CriticalDeviceDatabase\acpi#fix
edbutton]
"ClassGUID"="{4D36E97D-E325-11CE-BFC1-08002BE10318}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\CriticalDeviceDatabase\acpi#the
rmalzone]
"ClassGUID"="{4D36E97D-E325-11CE-BFC1-08002BE10318}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\CriticalDeviceDatabase\bmicdisk]
"Service"="cpqbmicd"
"ClassGUID"="{4D36E967-E325-11CE-BFC1-08002BE10318}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\CriticalDeviceDatabase\gendcrom]
"Service"="cdrom"
"ClassGUID"="{4D36E965-E325-11CE-BFC1-08002BE10318}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\CriticalDeviceDatabase\gendisk]
"Service"="disk"
"ClassGUID"="{4D36E967-E325-11CE-BFC1-08002BE10318}"

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\CriticalDeviceDatabase\isapnp#r
eaddataport]
"ClassGUID"="{4D36E97D-E325-11CE-BFC1-08002BE10318}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\CriticalDeviceDatabase\pci#cc_0
500]
"ClassGUID"="{4D36E97D-E325-11CE-BFC1-08002BE10318}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\CriticalDeviceDatabase\pci#cc_0
600]
"ClassGUID"="{4D36E97D-E325-11CE-BFC1-08002BE10318}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\CriticalDeviceDatabase\pci#cc_0
601]
"Service"="isapnp"
"ClassGUID"="{4D36E97D-E325-11CE-BFC1-08002BE10318}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\CriticalDeviceDatabase\pci#cc_0
604]
"Service"="pci"
"ClassGUID"="{4D36E97D-E325-11CE-BFC1-08002BE10318}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\CriticalDeviceDatabase\pci#ven_
0e11&dev_a0f0]
"ClassGUID"="{4D36E97D-E325-11CE-BFC1-08002BE10318}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\CriticalDeviceDatabase\pci#ven_
0e11&dev_a0f7]
"ClassGUID"="{4D36E97D-E325-11CE-BFC1-08002BE10318}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\CriticalDeviceDatabase\pci#ven_
1000&dev_0010]
"Service"="cpqarry2"
"ClassGUID"="{4D36E97B-E325-11CE-BFC1-08002BE10318}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\CriticalDeviceDatabase\pci#ven_
1011&dev_0026]
"Service"="pci"
"ClassGUID"="{4D36E97D-E325-11CE-BFC1-08002BE10318}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\CriticalDeviceDatabase\pci#ven_
1011&dev_0046&subsys_40500e11]
"Service"="cpq42xxb"
"ClassGUID"="{4D36E97B-E325-11CE-BFC1-08002BE10318}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\CriticalDeviceDatabase\PS2_KEYB
OARD]
"Service"="i8042prt"
"ClassGUID"="{4D36E96B-E325-11CE-BFC1-08002BE10318}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\CriticalDeviceDatabase\PS2_MOUSE]
"Service"="i8042prt"
"ClassGUID"="{4D36E96F-E325-11CE-BFC1-08002BE10318}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\CriticalDeviceDatabase\root#dmi
o]
"Service"="dmio"
"ClassGUID"="{4D36E97D-E325-11CE-BFC1-08002BE10318}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\CriticalDeviceDatabase\root#ftd
isk]
"Service"="ftdisk"

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"ClassGUID"="{4D36E97D-E325-11CE-BFC1-08002BE10318}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\CriticalDeviceDatabase\root\parallelClass]
"Service"="Parallel"
"ClassGUID"="{4D36E97D-E325-11CE-BFC1-08002BE10318}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\CriticalDeviceDatabase\root\rdpdr]
"Service"="rdpdr"
"ClassGUID"="{4D36E97D-E325-11CE-BFC1-08002BE10318}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\CriticalDeviceDatabase\root\swenum]
"Service"="swenum"
"ClassGUID"="{4D36E97D-E325-11CE-BFC1-08002BE10318}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\CriticalDeviceDatabase\root\update]
"Service"="update"
"ClassGUID"="{4D36E97D-E325-11CE-BFC1-08002BE10318}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\CriticalDeviceDatabase\scsi\diskcompaq_disk_array_____]
"Service"="disk"
"ClassGUID"="{4D36E967-E325-11CE-BFC1-08002BE10318}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\CriticalDeviceDatabase\scsi\othercompaq_scsi_communicate]
"ClassGUID"="{4D36E97D-E325-11CE-BFC1-08002BE10318}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{085aff00-62ce-11cf-a5d6-28db04c10000}]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{085aff00-62ce-11cf-a5d6-28db04c10000}\##?#Root#SYSTEM#0000#{085aff00-62ce-11cf-a5d6-28db04c10000}]
"DeviceInstance"="Root\SYSTEM\0000"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{085aff00-62ce-11cf-a5d6-28db04c10000}\##?#Root#SYSTEM#0000#{085aff00-62ce-11cf-a5d6-28db04c10000}\#{c68127b1-9bea-11d0-8fa5-00c04fc324c1}&{085AFF00-62CE-11CF-A5D6-28DB04C10000}]
"SymbolicLink"="\\\\?\\Root#SYSTEM#0000#{085aff00-62ce-11cf-a5d6-28db04c10000}\#{c68127b1-9bea-11d0-8fa5-00c04fc324c1}&{085AFF00-62CE-11CF-A5D6-28DB04C10000}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{085aff00-62ce-11cf-a5d6-28db04c10000}\##?#Root#SYSTEM#0000#{085aff00-62ce-11cf-a5d6-28db04c10000}\#{c68127b1-9bea-11d0-8fa5-00c04fc324c1}&{085AFF00-62CE-11CF-A5D6-28DB04C10000}\Device Parameters]
"CLSID"="{17CCA71B-ECD7-11D0-B908-00A0C9223196}"
"FriendlyName"="Raw Channel Access Capture/Rendert"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{085aff00-62ce-11cf-a5d6-28db04c10000}\##?#Root#SYSTEM#0000#{085aff00-62ce-11cf-a5d6-28db04c10000}\#{c68127b1-9bea-11d0-8fa5-00c04fc324c1}&{085AFF00-62CE-11CF-A5D6-28DB04C10000}\Control]
"Linked"=dword:00000001

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{085aff00-62ce-11cf-a5d6-28db04c10000}\##?#Root#SYSTEM#0000#{085aff00-62ce-11cf-a5d6-28db04c10000}\Control]
"ReferenceCount"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{28d78fad-5a12-11d1-ae5b-0000f803a8c2}]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{28d78fad-5a12-11d1-ae5b-0000f803a8c2}\##?#Root#RDPDR#0000#{28d78fad-5a12-11d1-ae5b-0000f803a8c2}]
"DeviceInstance"="Root\RDPDR\0000"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{28d78fad-5a12-11d1-ae5b-0000f803a8c2}\##?#Root#RDPDR#0000#{28d78fad-5a12-11d1-ae5b-0000f803a8c2}\#TS001]
"SymbolicLink"="\\\\?\\Root#RDPDR#0000#{28d78fad-5a12-11d1-ae5b-0000f803a8c2}\\TS001"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{28d78fad-5a12-11d1-ae5b-0000f803a8c2}\##?#Root#RDPDR#0000#{28d78fad-5a12-11d1-ae5b-0000f803a8c2}\#TS001\Device Parameters]
"Base Name"="TS"
"Port Description"="N1: LPT1:"
"Client Device Name"="\\17475714:2\\257\\2;LPT1:"
"recyclable"=hex(0):
"Port Number"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{28d78fad-5a12-11d1-ae5b-0000f803a8c2}\##?#Root#RDPDR#0000#{28d78fad-5a12-11d1-ae5b-0000f803a8c2}\#TS001\Control]
"Linked"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{28d78fad-5a12-11d1-ae5b-0000f803a8c2}\##?#Root#RDPDR#0000#{28d78fad-5a12-11d1-ae5b-0000f803a8c2}\#TS002]
"SymbolicLink"="\\\\?\\Root#RDPDR#0000#{28d78fad-5a12-11d1-ae5b-0000f803a8c2}\\TS002"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{28d78fad-5a12-11d1-ae5b-0000f803a8c2}\##?#Root#RDPDR#0000#{28d78fad-5a12-11d1-ae5b-0000f803a8c2}\#TS002\Device Parameters]
"Base Name"="TS"
"Port Description"="MAURICEF1: LPT1:"
"Client Device Name"="\\167837706:1\\257\\1;LPT1:"
"recyclable"=hex(0):
"Port Number"=dword:00000002

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{28d78fad-5a12-11d1-ae5b-0000f803a8c2}\##?#Root#RDPDR#0000#{28d78fad-5a12-11d1-ae5b-0000f803a8c2}\#TS002\Control]
"Linked"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{28d78fad-5a12-11d1-ae5b-0000f803a8c2}\##?#Root#RDPDR#0000#{28d78fad-5a12-11d1-ae5b-0000f803a8c2}\#TS003]
"SymbolicLink"="\\\\?\\Root#RDPDR#0000#{28d78fad-5a12-11d1-ae5b-0000f803a8c2}\\TS003"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{28d78fad-5a12-11d1-ae5b-0000f803a8c2}\##?#Root#RDPDR#0000#{28d78fad-5a12-11d1-ae5b-0000f803a8c2}\#TS003\Device Parameters]
"Base Name"="TS"
"Port Description"="Inactive TS Port"

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"Client Device Name"="\83994816:1\258\1;LPT2:"
"recyclable"=hex(0):

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{28d78fad-5a12-11d1-ae5b-0000f803a8c2}\#\#?#Root#RDPDR#0000#\{28d78fad-5a12-11d1-ae5b-0000f803a8c2}\#TS004]
"SymbolicLink"="\\\\?\\Root#RDPDR#0000#\{28d78fad-5a12-11d1-ae5b-0000f803a8c2}\#TS004"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{28d78fad-5a12-11d1-ae5b-0000f803a8c2}\#\#?#Root#RDPDR#0000#\{28d78fad-5a12-11d1-ae5b-0000f803a8c2}\#TS004\Device Parameters]
"Base Name"="TS"
"Port Description"="Inactive TS Port"
"Client Device Name"="\83994816:1\257\1;LPT1:"
"recyclable"=hex(0):

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{28d78fad-5a12-11d1-ae5b-0000f803a8c2}\#\#?#Root#RDPDR#0000#\{28d78fad-5a12-11d1-ae5b-0000f803a8c2}\Control]
"ReferenceCount"=dword:00000002

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{2accfe60-c130-11d2-b082-00a0c91efb8b}]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{2accfe60-c130-11d2-b082-00a0c91efb8b}\#\#?#PCI#VEN_1000&DEV_0010&SUBSYS_4040E11&REV_01#3&267a616a&0&70#\{2accfe60-c130-11d2-b082-00a0c91efb8b}]
"DeviceInstance"="PCI\VEN_1000&DEV_0010&SUBSYS_4040E11&REV_01\3&267a616a&0&70"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{2accfe60-c130-11d2-b082-00a0c91efb8b}\#\#?#PCI#VEN_1000&DEV_0010&SUBSYS_4040E11&REV_01#3&267a616a&0&70#\{2accfe60-c130-11d2-b082-00a0c91efb8b}\#]
"SymbolicLink"="\\\\?\\PCI#VEN_1000&DEV_0010&SUBSYS_4040E11&REV_01#3&267a616a&0&70#\{2accfe60-c130-11d2-b082-00a0c91efb8b}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{2accfe60-c130-11d2-b082-00a0c91efb8b}\#\#?#PCI#VEN_1000&DEV_0010&SUBSYS_4040E11&REV_01#3&267a616a&0&70#\{2accfe60-c130-11d2-b082-00a0c91efb8b}\#\Control]
"Linked"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{2accfe60-c130-11d2-b082-00a0c91efb8b}\#\#?#PCI#VEN_1000&DEV_0010&SUBSYS_4040E11&REV_01#3&267a616a&0&70#\{2accfe60-c130-11d2-b082-00a0c91efb8b}\Control]
"ReferenceCount"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{378de44c-56ef-11d1-bc8c-00a0c91405dd}\#\#?#ACPI#PNP0F13#4&3d912c8&0#\{378de44c-56ef-11d1-bc8c-00a0c91405dd}]
"DeviceInstance"="ACPI\PNP0F13\4&3d912c8&0"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{378de44c-56ef-11d1-bc8c-00a0c91405dd}\#\#?#ACPI#PNP0F13#4&3d912c8&0#\{378de44c-56ef-11d1-bc8c-00a0c91405dd}\#]
"SymbolicLink"="\\\\?\\ACPI#PNP0F13#4&3d912c8&0#\{378de44c-56ef-11d1-bc8c-00a0c91405dd}"
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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{378de44c-56ef-11d1-bc8c-00a0c91405dd}\#\#?#ACPI#PNP0F13#4&3d912c8&0#\{378de44c-56ef-11d1-bc8c-00a0c91405dd}\#\Control]
"Linked"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{378de44c-56ef-11d1-bc8c-00a0c91405dd}\#\#?#ACPI#PNP0F13#4&3d912c8&0#\{378de44c-56ef-11d1-bc8c-00a0c91405dd}\Control]
"ReferenceCount"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{3c0d501a-140b-11d1-b40f-00a0c9223196}]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{3c0d501a-140b-11d1-b40f-00a0c9223196}\#\#?#Root#SYSTEM#0000#\{3c0d501a-140b-11d1-b40f-00a0c9223196}]
"DeviceInstance"="Root\SYSTEM\0000"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{3c0d501a-140b-11d1-b40f-00a0c9223196}\#\#?#Root#SYSTEM#0000#\{3c0d501a-140b-11d1-b40f-00a0c9223196}\#\96e080c7-143c-11d1-b40f-00a0c9223196}&{3C0D501A-140B-11D1-B40F-00A0C9223196}]
"SymbolicLink"="\\\\?\\Root#SYSTEM#0000#\{3c0d501a-140b-11d1-b40f-00a0c9223196}\#\96e080c7-143c-11d1-b40f-00a0c9223196}&{3C0D501A-140B-11D1-B40F-00A0C9223196}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{3c0d501a-140b-11d1-b40f-00a0c9223196}\#\#?#Root#SYSTEM#0000#\{3c0d501a-140b-11d1-b40f-00a0c9223196}\#\96e080c7-143c-11d1-b40f-00a0c9223196}&{3C0D501A-140B-11D1-B40F-00A0C9223196}\Control]
"Linked"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{3c0d501a-140b-11d1-b40f-00a0c9223196}\#\#?#Root#SYSTEM#0000#\{3c0d501a-140b-11d1-b40f-00a0c9223196}\Control]
"ReferenceCount"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{4747b320-62ce-11cf-a5d6-28db04c10000}]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{4747b320-62ce-11cf-a5d6-28db04c10000}\#\#?#Root#SYSTEM#0000#\{4747b320-62ce-11cf-a5d6-28db04c10000}]
"DeviceInstance"="Root\SYSTEM\0000"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{4747b320-62ce-11cf-a5d6-28db04c10000}\#\#?#Root#SYSTEM#0000#\{4747b320-62ce-11cf-a5d6-28db04c10000}\#\]
"SymbolicLink"="\\\\?\\Root#SYSTEM#0000#\{4747b320-62ce-11cf-a5d6-28db04c10000}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{4747b320-62ce-11cf-a5d6-28db04c10000}\#\#?#Root#SYSTEM#0000#\{4747b320-62ce-11cf-a5d6-28db04c10000}\#\Control]
"Linked"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{4747b320-62ce-11cf-a5d6-28db04c10000}\#\#?#Root#SYSTEM#0000#\{4747b320-62ce-11cf-a5d6-28db04c10000}\Control]
"ReferenceCount"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{4afa3d51-74a7-11d0-be5e-00a0c9062857}]
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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{4afa3d51-74a7-11d0-be5e-00a0c9062857}\##?#ACPI#ThermalZone#THM1# {4afa3d51-74a7-11d0-be5e-00a0c9062857}]
"DeviceInstance"="ACPI\ThermalZone\THM1"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{4afa3d51-74a7-11d0-be5e-00a0c9062857}\##?#ACPI#ThermalZone#THM1# {4afa3d51-74a7-11d0-be5e-00a0c9062857}]#]
"SymbolicLink"="\\.\ACPI#ThermalZone#THM1# {4afa3d51-74a7-11d0-be5e-00a0c9062857}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{4afa3d51-74a7-11d0-be5e-00a0c9062857}\##?#ACPI#ThermalZone#THM1# {4afa3d51-74a7-11d0-be5e-00a0c9062857}\Control]
"Linked"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{4afa3d51-74a7-11d0-be5e-00a0c9062857}\Control]
"ReferenceCount"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{4afa3d53-74a7-11d0-be5e-00a0c9062857}]
"DeviceInstance"="ACPI\FixedButton#2&daba3ff&0# {4afa3d53-74a7-11d0-be5e-00a0c9062857}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{4afa3d53-74a7-11d0-be5e-00a0c9062857}\##?#ACPI#FixedButton#2&daba3ff&0# {4afa3d53-74a7-11d0-be5e-00a0c9062857}]#]
"SymbolicLink"="\\.\ACPI#FixedButton#2&daba3ff&0# {4afa3d53-74a7-11d0-be5e-00a0c9062857}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{4afa3d53-74a7-11d0-be5e-00a0c9062857}\Control]
"Linked"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{4afa3d53-74a7-11d0-be5e-00a0c9062857}\Control]
"ReferenceCount"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{4d36e978-e325-11ce-bfcl-08002be10318}]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{4d36e978-e325-11ce-bfcl-08002be10318}\##?#ACPI#PNP0501#0# {4d36e978-e325-11ce-bfcl-08002be10318}]
"DeviceInstance"="ACPI\PNP0501\0"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{4d36e978-e325-11ce-bfcl-08002be10318}\##?#ACPI#PNP0501#0# {4d36e978-e325-11ce-bfcl-08002be10318}]#]
"SymbolicLink"="\\.\ACPI#PNP0501#0# {4d36e978-e325-11ce-bfcl-08002be10318}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{4d36e978-e325-11ce-bfcl-08002be10318}\##?#ACPI#PNP0501#0# {4d36e978-e325-11ce-bfcl-08002be10318}\Control]
"Linked"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{4d36e978-e325-11ce-bfcl-08002be10318}\##?#ACPI#PNP0501#0# {4d36e978-e325-11ce-bfcl-08002be10318}\Control]
"ReferenceCount"=dword:00000001
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"ReferenceCount"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{4d36e978-e325-11ce-bfcl-08002be10318}\##?#ACPI#PNP0501#1# {4d36e978-e325-11ce-bfcl-08002be10318}]
"DeviceInstance"="ACPI\PNP0501\1"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{4d36e978-e325-11ce-bfcl-08002be10318}\##?#ACPI#PNP0501#1# {4d36e978-e325-11ce-bfcl-08002be10318}]#]
"SymbolicLink"="\\.\ACPI#PNP0501#1# {4d36e978-e325-11ce-bfcl-08002be10318}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{4d36e978-e325-11ce-bfcl-08002be10318}\##?#ACPI#PNP0501#1# {4d36e978-e325-11ce-bfcl-08002be10318}\Control]
"Linked"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{4d36e978-e325-11ce-bfcl-08002be10318}\##?#ACPI#PNP0501#1# {4d36e978-e325-11ce-bfcl-08002be10318}\Control]
"ReferenceCount"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{53172480-4791-11d0-a5d6-28db04c10000}]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{53172480-4791-11d0-a5d6-28db04c10000}\##?#Root#SYSTEM#0000# {53172480-4791-11d0-a5d6-28db04c10000}]
"DeviceInstance"="Root\SYSTEM\0000"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{53172480-4791-11d0-a5d6-28db04c10000}\##?#Root#SYSTEM#0000# {53172480-4791-11d0-a5d6-28db04c10000}]#]
"SymbolicLink"="\\.\Root#SYSTEM#0000# {53172480-4791-11d0-a5d6-28db04c10000}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{53172480-4791-11d0-a5d6-28db04c10000}\##?#Root#SYSTEM#0000# {53172480-4791-11d0-a5d6-28db04c10000}\Control]
"Linked"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{53172480-4791-11d0-a5d6-28db04c10000}\##?#Root#SYSTEM#0000# {53172480-4791-11d0-a5d6-28db04c10000}\Control]
"ReferenceCount"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{53f56307-b6bf-11d0-94f2-00a0c91efb8b}]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{53f56307-b6bf-11d0-94f2-00a0c91efb8b}\##?#CPQBMIC#Disk&LDRV_00#4&15ba4085&1&00# {53f56307-b6bf-11d0-94f2-00a0c91efb8b}]#]
"DeviceInstance"="CPQBMIC\Disk&LDRV_00\4&15ba4085&1&00"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{53f56307-b6bf-11d0-94f2-00a0c91efb8b}\##?#CPQBMIC#Disk&LDRV_00#4&15ba4085&1&00# {53f56307-b6bf-11d0-94f2-00a0c91efb8b}\Control]
"SymbolicLink"="\\.\CPQBMIC#Disk&LDRV_00#4&15ba4085&1&00# {53f56307-b6bf-11d0-94f2-00a0c91efb8b}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{53f56307-b6bf-11d0-94f2-00a0c91efb8b}\##?#CPQBMIC#Disk&LDRV_00#4&15ba4085&1&00# {53f56307-b6bf-11d0-94f2-00a0c91efb8b}\Control]
"ReferenceCount"=dword:00000001
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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{62513505-4698-4235-abf8-0030b72be179}\##?#PCI#VEN_1011&DEV_0046&SUBSYS_40500E11&REV_01#3&13c0b0c5&0&20#{62513505-4698-4235-abf8-0030b72be179}\#}
"SymbolicLink"="\\?\PCI#VEN_1011&DEV_0046&SUBSYS_40500E11&REV_01#3&13c0b0c5&0&20#{62513505-4698-4235-abf8-0030b72be179}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{62513505-4698-4235-abf8-0030b72be179}\##?#PCI#VEN_1011&DEV_0046&SUBSYS_40500E11&REV_01#3&13c0b0c5&0&20#{62513505-4698-4235-abf8-0030b72be179}\#\Control}
"Linked"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{62513505-4698-4235-abf8-0030b72be179}\##?#PCI#VEN_1011&DEV_0046&SUBSYS_40500E11&REV_01#3&13c0b0c5&0&20#{62513505-4698-4235-abf8-0030b72be179}\Control}
"ReferenceCount"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{62513505-4698-4235-abf8-0030b72be179}\##?#PCI#VEN_1011&DEV_0046&SUBSYS_40500E11&REV_01#3&267a616a&0&08#{62513505-4698-4235-abf8-0030b72be179}\#}
"DeviceInstance"="PCI\VEN_1011&DEV_0046&SUBSYS_40500E11&REV_01\3&267a616a&0&08"

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"SymbolicLink"="\\?\PCI#VEN_1011&DEV_0046&SUBSYS_40500E11&REV_01#3&267a616a&0&08#{62513505-4698-4235-abf8-0030b72be179}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{62513505-4698-4235-abf8-0030b72be179}\##?#PCI#VEN_1011&DEV_0046&SUBSYS_40500E11&REV_01#3&267a616a&0&08#{62513505-4698-4235-abf8-0030b72be179}\#\Control}
"Linked"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{62513505-4698-4235-abf8-0030b72be179}\##?#PCI#VEN_1011&DEV_0046&SUBSYS_40500E11&REV_01#3&267a616a&0&08#{62513505-4698-4235-abf8-0030b72be179}\Control}
"ReferenceCount"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{62513505-4698-4235-abf8-0030b72be179}\##?#PCI#VEN_1011&DEV_0046&SUBSYS_40500E11&REV_01#3&267a616a&0&10#{62513505-4698-4235-abf8-0030b72be179}\#}
"DeviceInstance"="PCI\VEN_1011&DEV_0046&SUBSYS_40500E11&REV_01\3&267a616a&0&10"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{62513505-4698-4235-abf8-0030b72be179}\##?#PCI#VEN_1011&DEV_0046&SUBSYS_40500E11&REV_01#3&267a616a&0&10#{62513505-4698-4235-abf8-0030b72be179}\#}
"SymbolicLink"="\\?\PCI#VEN_1011&DEV_0046&SUBSYS_40500E11&REV_01#3&267a616a&0&10#{62513505-4698-4235-abf8-0030b72be179}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{62513505-4698-4235-abf8-0030b72be179}\##?#PCI#VEN_1011&DEV_0046&SUBSYS_40500E11&REV_01#3&267a616a&0&10#{62513505-4698-4235-abf8-0030b72be179}\#\Control}
"Linked"=dword:00000001

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{62513505-4698-4235-abf8-0030b72be179}\##?#PCI#VEN_1011&DEV_0046&SUBSYS_40500E11&REV_01#3&267a616a&0&10#{62513505-4698-4235-abf8-0030b72be179}\Control}
"ReferenceCount"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{62513505-4698-4235-abf8-0030b72be179}\##?#PCI#VEN_1011&DEV_0046&SUBSYS_40500E11&REV_01#3&267a616a&0&18#{62513505-4698-4235-abf8-0030b72be179}\#}
"DeviceInstance"="PCI\VEN_1011&DEV_0046&SUBSYS_40500E11&REV_01\3&267a616a&0&18"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{62513505-4698-4235-abf8-0030b72be179}\##?#PCI#VEN_1011&DEV_0046&SUBSYS_40500E11&REV_01#3&267a616a&0&18#{62513505-4698-4235-abf8-0030b72be179}\#}
"SymbolicLink"="\\?\PCI#VEN_1011&DEV_0046&SUBSYS_40500E11&REV_01#3&267a616a&0&18#{62513505-4698-4235-abf8-0030b72be179}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{62513505-4698-4235-abf8-0030b72be179}\##?#PCI#VEN_1011&DEV_0046&SUBSYS_40500E11&REV_01#3&267a616a&0&18#{62513505-4698-4235-abf8-0030b72be179}\#\Control}
"Linked"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{62513505-4698-4235-abf8-0030b72be179}\##?#PCI#VEN_1011&DEV_0046&SUBSYS_40500E11&REV_01#3&267a616a&0&18#{62513505-4698-4235-abf8-0030b72be179}\Control}
"ReferenceCount"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{65e8773d-8f56-11d0-a3b9-00a0c9223196}\#}
"DeviceInstance"="Root\SYSTEM\0000"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{65e8773d-8f56-11d0-a3b9-00a0c9223196}\##?#Root#SYSTEM#0000#{65e8773d-8f56-11d0-a3b9-00a0c9223196}\#}
"SymbolicLink"="\\?\Root#SYSTEM#0000#{65e8773d-8f56-11d0-a3b9-00a0c9223196}\{c68127b1-9bea-11d0-8fa5-00c04fc324c1}&{65E8773D-8F56-11D0-A3B9-00A0C9223196}"

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"CLSID"="{17CCA71B-EC7D-11D0-B908-00A0C9223196}"
"FriendlyName"="Raw Channel Access Capture/Render"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{65e8773d-8f56-11d0-a3b9-00a0c9223196}\##?#Root#SYSTEM#0000#{65e8773d-8f56-11d0-a3b9-00a0c9223196}\#}
"SymbolicLink"="\\?\Root#SYSTEM#0000#{65e8773d-8f56-11d0-a3b9-00a0c9223196}\{c68127b1-9bea-11d0-8fa5-00c04fc324c1}&{65E8773D-8F56-11D0-A3B9-00A0C9223196}\Control}
"Linked"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{65e8773d-8f56-11d0-a3b9-00a0c9223196}\##?#Root#SYSTEM#0000#{65e8773d-8f56-11d0-a3b9-00a0c9223196}\Control}

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"ReferenceCount"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{65e8773e-8f56-11d0-a3b9-00a0c9223196}]

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"DeviceInstance"="Root\SYSTEM\0000"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{65e8773e-8f56-11d0-a3b9-00a0c9223196}\##?#Root#SYSTEM#0000#{65e8773e-8f56-11d0-a3b9-00a0c9223196}\#{c68127b1-9bea-11d0-8fa5-00c04fc324c1}&{65E8773E-8F56-11D0-A3B9-00A0C9223196}
"SymbolicLink"="\\\\?\\Root#SYSTEM#0000#{65e8773e-8f56-11d0-a3b9-00a0c9223196}\\#{c68127b1-9bea-11d0-8fa5-00c04fc324c1}&{65E8773E-8F56-11D0-A3B9-00A0C9223196}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{65e8773e-8f56-11d0-a3b9-00a0c9223196}\##?#Root#SYSTEM#0000#{65e8773e-8f56-11d0-a3b9-00a0c9223196}\#{c68127b1-9bea-11d0-8fa5-00c04fc324c1}&{65E8773E-8F56-11D0-A3B9-00A0C9223196}
"Device Parameters"
"CLSID"="{17CCA71B-ECD7-11D0-B908-00A0C9223196}"
"_FRIENDLY_NAME"="Raw Channel Access Capture/Render"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{65e8773e-8f56-11d0-a3b9-00a0c9223196}\##?#Root#SYSTEM#0000#{65e8773e-8f56-11d0-a3b9-00a0c9223196}\#{c68127b1-9bea-11d0-8fa5-00c04fc324c1}&{65E8773E-8F56-11D0-A3B9-00A0C9223196}\Control
"Linked"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{65e8773e-8f56-11d0-a3b9-00a0c9223196}\##?#Root#SYSTEM#0000#{65e8773e-8f56-11d0-a3b9-00a0c9223196}\Control
"ReferenceCount"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{86e0d1e0-8089-11d0-9ce4-08003e301f73}]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{86e0d1e0-8089-11d0-9ce4-08003e301f73}\##?#ACPI#PNP0501#0#{86e0d1e0-8089-11d0-9ce4-08003e301f73}
"DeviceInstance"="ACPI\PNP0501\0"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{86e0d1e0-8089-11d0-9ce4-08003e301f73}\##?#ACPI#PNP0501#0#{86e0d1e0-8089-11d0-9ce4-08003e301f73}\#
"SymbolicLink"="\\\\?\\ACPI#PNP0501#0#{86e0d1e0-8089-11d0-9ce4-08003e301f73}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{86e0d1e0-8089-11d0-9ce4-08003e301f73}\##?#ACPI#PNP0501#0#{86e0d1e0-8089-11d0-9ce4-08003e301f73}\#
"Linked"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{86e0d1e0-8089-11d0-9ce4-08003e301f73}\##?#ACPI#PNP0501#0#{86e0d1e0-8089-11d0-9ce4-08003e301f73}\Control
"ReferenceCount"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{86e0d1e0-8089-11d0-9ce4-08003e301f73}\##?#ACPI#PNP0501#1#{86e0d1e0-8089-11d0-9ce4-08003e301f73}
"DeviceInstance"="ACPI\PNP0501\1"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{86e0d1e0-8089-11d0-9ce4-08003e301f73}\##?#ACPI#PNP0501#1#{86e0d1e0-8089-11d0-9ce4-08003e301f73}\#
"SymbolicLink"="\\\\?\\ACPI#PNP0501#1#{86e0d1e0-8089-11d0-9ce4-08003e301f73}"

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{86e0d1e0-8089-11d0-9ce4-08003e301f73}\##?#ACPI#PNP0501#1#{86e0d1e0-8089-11d0-9ce4-08003e301f73}\#
"Linked"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{86e0d1e0-8089-11d0-9ce4-08003e301f73}\##?#ACPI#PNP0501#1#{86e0d1e0-8089-11d0-9ce4-08003e301f73}\Control
"ReferenceCount"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{884b96c3-56ef-11d1-bc8c-00a0c91405dd}]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{884b96c3-56ef-11d1-bc8c-00a0c91405dd}\##?#ACPI#PNP0303#4&3d912c8&0#{884b96c3-56ef-11d1-bc8c-00a0c91405dd}
"DeviceInstance"="ACPI\PNP0303\4&3d912c8&0"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{884b96c3-56ef-11d1-bc8c-00a0c91405dd}\##?#ACPI#PNP0303#4&3d912c8&0#{884b96c3-56ef-11d1-bc8c-00a0c91405dd}\#
"SymbolicLink"="\\\\?\\ACPI#PNP0303#4&3d912c8&0#{884b96c3-56ef-11d1-bc8c-00a0c91405dd}"

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"Linked"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{884b96c3-56ef-11d1-bc8c-00a0c91405dd}\##?#ACPI#PNP0303#4&3d912c8&0#{884b96c3-56ef-11d1-bc8c-00a0c91405dd}\Control
"ReferenceCount"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{97ebaacb-95bd-11d0-a3ea-00a0c9223196}]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{97ebaacb-95bd-11d0-a3ea-00a0c9223196}\##?#Root#SYSTEM#0000#{97ebaacb-95bd-11d0-a3ea-00a0c9223196}
"DeviceInstance"="Root\SYSTEM\0000"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{97ebaacb-95bd-11d0-a3ea-00a0c9223196}\##?#Root#SYSTEM#0000#{97ebaacb-95bd-11d0-a3ea-00a0c9223196}\#
"SymbolicLink"="\\\\?\\Root#SYSTEM#0000#{97ebaacb-95bd-11d0-a3ea-00a0c9223196}\\{ddf4358e-bb2c-11d0-a42f-00a0c9223196}&{97EBAACB-95BD-11D0-A3EA-00A0C9223196}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{97ebaacb-95bd-11d0-a3ea-00a0c9223196}\##?#Root#SYSTEM#0000#{97ebaacb-95bd-11d0-a3ea-00a0c9223196}\#
"Linked"=dword:00000001

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{HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{ad498944-762f-11d0-8dcb-00c04fc3358c}\##?#ROOT#MS_L2TPMINIPORT#0000#\{ad498944-762f-11d0-8dcb-00c04fc3358c}\#\{61D0A64D-8263-4223-87BF-C6AD6474DBA9}}
"SymbolicLink"="\??\?\Root#MS_L2TPMINIPORT#0000#\{ad498944-762f-11d0-8dcb-00c04fc3358c}\#\{61D0A64D-8263-4223-87BF-C6AD6474DBA9}"

{HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{ad498944-762f-11d0-8dcb-00c04fc3358c}\##?#ROOT#MS_L2TPMINIPORT#0000#\{ad498944-762f-11d0-8dcb-00c04fc3358c}\#\{61D0A64D-8263-4223-87BF-C6AD6474DBA9}\Control}
"Linked"=dword:00000001

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"ReferenceCount"=dword:00000001

{HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{ad498944-762f-11d0-8dcb-00c04fc3358c}\##?#ROOT#MS_NDISWANIP#0000#\{ad498944-762f-11d0-8dcb-00c04fc3358c}}
"DeviceInstance"="Root\MS_NDISWANIP\0000"

{HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{ad498944-762f-11d0-8dcb-00c04fc3358c}\##?#ROOT#MS_NDISWANIP#0000#\{ad498944-762f-11d0-8dcb-00c04fc3358c}\#\NDISWANIP}
"SymbolicLink"="\??\?\Root#MS_NDISWANIP#0000#\{ad498944-762f-11d0-8dcb-00c04fc3358c}\#\NDISWANIP"

{HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{ad498944-762f-11d0-8dcb-00c04fc3358c}\##?#ROOT#MS_NDISWANIP#0000#\{ad498944-762f-11d0-8dcb-00c04fc3358c}\#\NDISWANIP\Control}
"Linked"=dword:00000001

{HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{ad498944-762f-11d0-8dcb-00c04fc3358c}\##?#ROOT#MS_NDISWANIP#0000#\{ad498944-762f-11d0-8dcb-00c04fc3358c}\Control}
"ReferenceCount"=dword:00000001

{HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{ad498944-762f-11d0-8dcb-00c04fc3358c}\##?#ROOT#MS_PPTPMPINIPORT#0000#\{ad498944-762f-11d0-8dcb-00c04fc3358c}}
"DeviceInstance"="Root\MS_PPTPMPINIPORT\0000"

{HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{ad498944-762f-11d0-8dcb-00c04fc3358c}\##?#ROOT#MS_PPTPMPINIPORT#0000#\{ad498944-762f-11d0-8dcb-00c04fc3358c}\#\{0C921600-8198-460E-B9F6-E954B0CE4CCB}}
"SymbolicLink"="\??\?\Root#MS_PPTPMPINIPORT#0000#\{ad498944-762f-11d0-8dcb-00c04fc3358c}\#\{0C921600-8198-460E-B9F6-E954B0CE4CCB}"

{HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{ad498944-762f-11d0-8dcb-00c04fc3358c}\##?#ROOT#MS_PPTPMPINIPORT#0000#\{ad498944-762f-11d0-8dcb-00c04fc3358c}\#\{0C921600-8198-460E-B9F6-E954B0CE4CCB}\Control}
"Linked"=dword:00000001

{HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{ad498944-762f-11d0-8dcb-00c04fc3358c}\##?#ROOT#MS_PPTPMPINIPORT#0000#\{ad498944-762f-11d0-8dcb-00c04fc3358c}\Control}
"ReferenceCount"=dword:00000001

{HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{ad498944-762f-11d0-8dcb-00c04fc3358c}\##?#ROOT#MS_PTMINIPORT#0000#\{ad498944-762f-11d0-8dcb-00c04fc3358c}}
"DeviceInstance"="Root\MS_PTMINIPORT\0000"

{HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{ad498944-762f-11d0-8dcb-00c04fc3358c}\##?#ROOT#MS_PTMINIPORT#0000#\{ad498944-762f-11d0-8dcb-00c04fc3358c}\#\{91C63314-6A7D-4C78-8E7F-EA398814711B}}
"SymbolicLink"="\??\?\Root#MS_PTMINIPORT#0000#\{ad498944-762f-11d0-8dcb-00c04fc3358c}\#\{91C63314-6A7D-4C78-8E7F-EA398814711B}"

{HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{ad498944-762f-11d0-8dcb-00c04fc3358c}\##?#ROOT#MS_PTMINIPORT#0000#\{ad498944-762f-11d0-8dcb-00c04fc3358c}\#\{91C63314-6A7D-4C78-8E7F-EA398814711B}\Control}
"Linked"=dword:00000001

{HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{ad498944-762f-11d0-8dcb-00c04fc3358c}\##?#ROOT#MS_PTMINIPORT#0000#\{ad498944-762f-11d0-8dcb-00c04fc3358c}\Control}
"ReferenceCount"=dword:00000001

{HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{ad498944-762f-11d0-8dcb-00c04fc3358c}\##?#ROOT#SYSTEM#0000#\{ad498944-762f-11d0-8dcb-00c04fc3358c}}
"DeviceInstance"="Root\SYSTEM\0000"

{HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{ad498944-762f-11d0-8dcb-00c04fc3358c}\##?#Root#SYSTEM#0000#\{ad498944-762f-11d0-8dcb-00c04fc3358c}\#\{eab7790-c514-11d1-b42b-00805fc1270e}\&asyncmac}
"SymbolicLink"="\??\?\Root#SYSTEM#0000#\{ad498944-762f-11d0-8dcb-00c04fc3358c}\#\{eab7790-c514-11d1-b42b-00805fc1270e}\&asyncmac"

{HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{ad498944-762f-11d0-8dcb-00c04fc3358c}\##?#Root#SYSTEM#0000#\{ad498944-762f-11d0-8dcb-00c04fc3358c}\#\{eab7790-c514-11d1-b42b-00805fc1270e}\&asyncmac\Control}
"Linked"=dword:00000001

{HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{ad498944-762f-11d0-8dcb-00c04fc3358c}\##?#Root#SYSTEM#0000#\{ad498944-762f-11d0-8dcb-00c04fc3358c}\Control}
"ReferenceCount"=dword:00000001

{HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{ad498944-762f-11d0-8dcb-00c04fc3358c}\##?#SW#\{eab7790-c514-11d1-b42b-00805fc1270e}\#\&asyncmac#\{ad498944-762f-11d0-8dcb-00c04fc3358c}}
"DeviceInstance"="SW\{\eab7790-c514-11d1-b42b-00805fc1270e}\&asyncmac"

{HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceClasses\{ad498944-762f-11d0-8dcb-00c04fc3358c}\##?#SW#\{eab7790-c514-11d1-b42b-00805fc1270e}\#\&asyncmac#\{ad498944-762f-11d0-8dcb-00c04fc3358c}\#\{226D3C2F-A916-43FA-A20F-8CB0DC6D6D7F}}
"SymbolicLink"="\??\?\SW#\{eab7790-c514-11d1-b42b-00805fc1270e}\#\&asyncmac#\{ad498944-762f-11d0-8dcb-00c04fc3358c}\#\{226D3C2F-A916-43FA-A20F-8CB0DC6D6D7F}"

{HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\FileSystem}
"NtfsDisable8dot3NameCreation"=dword:00000000
"NtfsEncryptionService"="Efs"
"Win31FileSystem"=dword:00000000
"Win95TruncatedExtensions"=dword:00000001

{HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\GraphicsDrivers}

{HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\GraphicsDrivers\DCI}
"Timeout"=dword:00000007

{HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\GroupOrderList}
"Base"=hex:10,00,00,00,0e,00,00,00,01,00,00,00,02,00,00,00,03,00,00,00,04,00,\n00,00,05,00,00,00,06,00,00,00,07,00,00,00,08,00,00,00,09,00,00,00,0a,00,00,\n

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00,0b,00,00,00,0c,00,00,00,0d,00,00,00,0f,00,00,00,10,00,00,00
"Boot Bus Extender"=hex:05,00,00,00,01,00,00,00,02,00,00,00,03,00,00,00,04,00,\
00,00,05,00,00,00
"Extended base"=hex:04,00,00,00,01,00,00,00,02,00,00,00,04,00,00,00,03,00,00,\
00
"Filter"=hex:06,00,00,00,01,00,00,00,02,00,00,00,03,00,00,00,04,00,00,00,05,00,\
00,00,06,00,00,00
"Keyboard Class"=hex:01,00,00,00,01,00,00,00
"Keyboard Port"=hex:04,00,00,00,01,00,00,00,02,00,00,00,03,00,00,00,04,00,00,\
00
"Ndis"=hex:0c,00,00,00,01,00,00,00,02,00,00,00,03,00,00,00,04,00,00,00,05,00,\
00,00,06,00,00,00,07,00,00,00,08,00,00,00,09,00,00,00,0a,00,00,00,0b,00,00,\
00,0c,00,00,00
"Network"=hex:06,00,00,00,01,00,00,00,02,00,00,00,03,00,00,00,04,00,00,00,05,\
00,00,00,06,00,00,00
"Parallel arbitrator"=hex:01,00,00,00,01,00,00,00
"PNP_TDI"=hex:05,00,00,00,01,00,00,00,02,00,00,00,03,00,00,00,04,00,00,00,05,\
00,00,00
"Pointer Class"=hex:01,00,00,00,01,00,00,00
"Pointer Port"=hex:03,00,00,00,01,00,00,00,02,00,00,00,03,00,00,00
"Primary Disk"=hex:07,00,00,00,01,00,00,00,02,00,00,00,03,00,00,00,04,00,00,00,\
05,00,00,00,06,00,00,00,02,01,00,00
"SCSI CDROM Class"=hex:02,00,00,00,01,00,00,00,02,00,00,00
"SCSI Class"=hex:03,00,00,00,01,00,00,00,02,00,00,00,03,00,00,00
"SCSI miniport"=hex:3e,00,00,00,00,01,00,00,01,01,00,00,19,00,00,00,01,00,00,\
00,02,00,00,00,03,00,00,00,04,00,00,00,05,00,00,00,06,00,00,00,07,00,00,00,\
08,00,00,00,09,00,00,00,0a,00,00,00,0b,00,00,00,0c,00,00,00,0d,00,00,00,0e,\
00,00,00,0f,00,00,00,10,00,00,00,11,00,00,00,12,00,00,00,13,00,00,00,14,00,\
00,00,15,00,00,00,16,00,00,00,17,00,00,00,1a,00,00,00,18,00,00,00,1b,00,00,\
00,1c,00,00,00,1d,00,00,00,1e,00,00,00,1f,00,00,00,20,00,00,00,23,00,00,00,\
24,00,00,00,25,00,00,00,26,00,00,00,27,00,00,00,28,00,00,00,29,00,00,00,2a,\
00,00,00,2b,00,00,00,2c,00,00,00,2d,00,00,00,2e,00,00,00,2f,00,00,00,30,00,\
00,00,31,00,00,00,32,00,00,00,33,00,00,00,34,00,00,00,35,00,00,00,36,00,00,\
00,37,00,00,00,38,00,00,00,39,00,00,00,3a,00,00,00,3b,00,00,00,3c,00,00,00,\
3d,00,00,00,3e,00,00,00
"SpoolerGroup"=hex:02,00,00,00,01,00,00,00,02,00,00,00
"System Bus Extender"=hex:0c,00,00,00,03,00,00,00,04,00,00,00,01,00,00,00,08,\
00,00,00,09,00,00,00,0a,00,00,00,0b,00,00,00,0c,00,00,00,0d,00,00,00,0e,00,\
00,00,02,00,00,00,05,00,00,00
"Video"=hex:01,00,00,00,01,00,00,00
"Video Init"=hex:01,00,00,00,01,00,00,00
"Video Save"=hex:01,00,00,00,01,00,00,00
"PNP Filter"=hex:02,00,00,00,01,00,00,00,02,00,00,00
"NetBIOSGroup"=hex:01,00,00,00,01,00,00,00
"Streams Drivers"=hex:01,00,00,00,01,00,00,00
"ExtendedBase"=hex:05,00,00,00,01,00,00,00,02,00,00,00,03,00,00,00,04,00,00,00,\
05,00,00,00
"port"=hex:02,00,00,00,01,00,00,00,01,01,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\IDConfigDB]
"CurrentConfig"=dword:00000001
"UserWaitInterval"=dword:0000001e

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\IDConfigDB\Alias]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\IDConfigDB\Alias\0001]
"DockingState"=dword:00000003
"Capabilities"=dword:00000000
"DockID"=dword:00000000
"SerialNumber"=dword:00000000
"ProfileNumber"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\IDConfigDB\Hardware Profiles]

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"Unknown"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\IDConfigDB\Hardware Profiles\0000]
"FriendlyName"="New Hardware Profile"
"PreferenceOrder"=dword:ffffffff
"Pristine"=dword:00000001
"Aliasable"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\IDConfigDB\Hardware Profiles\0001]
"PreferenceOrder"=dword:00000000
"FriendlyName"="Profile 1"
"Aliasable"=dword:00000000
"Cloned"=dword:00000001
"HwProfileGuid"="{536ca940-8a60-11d3-a139-806d6172696f}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\IDConfigDB\CurrentDockInfo]
"DockingState"=dword:00000003
"Capabilities"=dword:00000000
"DockID"=dword:00000000
"SerialNumber"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Keyboard Layout]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Keyboard Layout\DosKeyCodes]
"00000402"="bg"
"00000404"="ch"
"00000405"="cz"
"00000406"="dk"
"00000407"="gr"
"00000408"="gk"
"00000409"="us"
"0000040A"="sp"
"0000040B"="su"
"0000040C"="fr"
"0000040E"="hu"
"0000040F"="is"
"00000410"="it"
"00000411"="jp"
"00000412"="ko"
"00000413"="nl"
"00000414"="no"
"00000415"="pl"
"00000416"="br"
"00000418"="ro"
"00000419"="ru"
"0000041A"="yu"
"0000041B"="sl"
"0000041C"="us"
"0000041D"="sv"
"0000041F"="tr"
"00000422"="us"
"00000423"="us"
"00000424"="yu"
"00000425"="et"
"00000426"="us"
"00000427"="us"
"00000804"="ch"
"00000807"="sg"
"00000809"="uk"
"0000080A"="la"
"0000080C"="be"

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"00000813"="be"
"00000816"="po"
"00000C0C"="cf"
"00000C1A"="us"
"00001009"="us"
"0000100C"="sf"
"00001809"="us"
"00010402"="us"
"00010405"="cz"
"00010407"="gr"
"00010408"="gk"
"00010409"="dv"
"0001040A"="sp"
"0001040E"="hu"
"00010410"="it"
"00010415"="pl"
"00010419"="ru"
"0001041B"="sl"
"0001041F"="tr"
"00010426"="us"
"00010C0C"="cf"
"00010C1A"="us"
"00020408"="gk"
"00020409"="us"
"00030409"="usl"
"00040409"="usr"
"00050408"="gk"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Keyboard Layout\DosKeybIDs]
"00000410"="141"
"0000041F"="179"
"00010408"="220"
"00010410"="142"
"00010415"="214"
"0001041F"="440"
"00020408"="319"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Keyboard Layouts]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Keyboard Layouts\00000406]
"Layout Text"="Danish"
"Layout File"="KBDDA.DLL"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Keyboard Layouts\00000407]
"Layout Text"="German"
"Layout File"="KBDGR.DLL"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Keyboard Layouts\00000409]
"Layout File"="KBDUS.DLL"
"Layout Text"="US"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Keyboard Layouts\0000040A]
"Layout Text"="Spanish"
"Layout File"="KBDSP.DLL"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Keyboard Layouts\0000040B]
"Layout Text"="Finnish"
"Layout File"="KBDFI.DLL"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Keyboard Layouts\0000040C]
"Layout Text"="French"
"Layout File"="KBDFR.DLL"

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Keyboard Layouts\0000040F]
"Layout Text"="Icelandic"
"Layout File"="KBDIC.DLL"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Keyboard Layouts\00000410]
"Layout Text"="Italian"
"Layout File"="KBDIT.DLL"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Keyboard Layouts\00000413]
"Layout Text"="Dutch"
"Layout File"="KBDNE.DLL"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Keyboard Layouts\00000414]
"Layout Text"="Norwegian"
"Layout File"="KBDNO.DLL"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Keyboard Layouts\00000416]
"Layout Text"="Portuguese (Brazilian ABNT)"
"Layout File"="KBD BR.DLL"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Keyboard Layouts\0000041D]
"Layout Text"="Swedish"
"Layout File"="KBD SW.DLL"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Keyboard Layouts\00000438]
"Layout Text"="Faeroese"
"Layout File"="KBDFO.DLL"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Keyboard Layouts\00000807]
"Layout Text"="Swiss German"
"Layout File"="KBD SG.DLL"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Keyboard Layouts\00000809]
"Layout Text"="United Kingdom"
"Layout File"="KBDUK.DLL"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Keyboard Layouts\0000080A]
"Layout Text"="Latin American"
"Layout File"="KBDLA.DLL"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Keyboard Layouts\0000080C]
"Layout Text"="Belgian French"
"Layout File"="KBD BE.DLL"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Keyboard Layouts\00000813]
"Layout Text"="Belgian Dutch"
"Layout File"="KBD BE.DLL"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Keyboard Layouts\00000816]
"Layout Text"="Portuguese"
"Layout File"="KBDPO.DLL"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Keyboard Layouts\00000C0C]
"Layout Text"="Canadian French (Legacy)"
"Layout File"="KBD FC.DLL"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Keyboard Layouts\00001009]
"Layout Text"="Canadian French"
"Layout File"="KBDCA.DLL"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Keyboard Layouts\0000100C]
"Layout Text"="Swiss French"
"Layout File"="KBD SF.DLL"

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Keyboard Layouts\00001809]
"Layout Text"="Irish"
"Layout File"="KBDIR.DLL"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Keyboard Layouts\00010407]
"Layout Text"="German (IBM)"
"Layout File"="KBDGR1.DLL"
"Layout Id"="0012"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Keyboard Layouts\00010409]
"Layout File"="KBDDV.DLL"
"Layout Id"="0002"
"Layout Text"="United States-Dvorak"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Keyboard Layouts\0001040a]
"Layout Text"="Spanish Variation"
"Layout File"="KBDES.DLL"
"Layout Id"="0086"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Keyboard Layouts\00010410]
"Layout Text"="Italian (142)"
"Layout File"="KBDDIT142.DLL"
"Layout Id"="0003"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Keyboard Layouts\00010416]
"Layout Text"="Portuguese (Brazilian ABNT2)"
"Layout File"="KBDBR.DLL"
"Layout Id"="001D"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Keyboard Layouts\0001080c]
"Layout Text"="Belgian (Comma)"
"Layout File"="KDBBENE.DLL"
"Layout Id"="001E"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Keyboard Layouts\00011009]
"Layout Text"="Canadian Multilingual Standard"
"Layout File"="KBDKAN.DLL"
"Layout Id"="0020"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Keyboard Layouts\00011809]
"Layout Text"="Gaelic"
"Layout File"="KBDGAE.DLL"
"Layout Id"="0026"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Keyboard Layouts\00020409]
"Layout File"="KBDUSX.DLL"
"Layout Id"="0001"
"Layout Text"="United States-International"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Keyboard Layouts\00030409]
"Layout File"="KBDUSL.DLL"
"Layout Id"="001A"
"Layout Text"="United States-Dvorak for left hand"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Keyboard Layouts\00040409]
"Layout File"="KBDUSR.DLL"
"Layout Id"="001B"
"Layout Text"="United States-Dvorak for right hand"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Lsa]
"Authentication Packages"=hex(7):6d,73,76,31,5f,30,00,00
"Bounds"=hex:00,30,00,00,00,20,00,00

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"Notification Packages"=hex(7):46,50,4e,57,43,4c,4e,54,00,52,41,53,53,46,4d,00,\
4b,44,43,53,56,43,00,73,63,65,63,6c,69,00,00
"Security Packages"=hex(7):6b,65,72,62,65,72,6f,73,00,6d,73,76,31,5f,30,00,73,\
63,69,61,6e,6e,65,6c,00,00
"LsaPid"=dword:00000170
"SecureBoot"=dword:00000001
"auditbaseobjects"=dword:00000000
"crashonauditfail"=dword:00000000
"fullprivilegeauditing"=hex:00
"lmcompatibilitylevel"=dword:00000000
"restrictanonymous"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Lsa\AccessProviders]
"ProviderOrder"=hex(7):57,69,6e,64,6f,77,73,20,4e,54,20,41,63,63,65,73,73,20,\
50,72,6f,76,69,64,65,72,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Lsa\AccessProviders\Windows NT
Access Provider]
"ProviderPath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,73,79,73,74,65,6d,\
33,32,5c,6e,74,6d,61,72,74,61,2e,64,6c,6c,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Lsa\Data]
"Pattern"=hex:0d,5c,3c,58,75,23,45,54,3a,82,ad,78,c8,20,17,98,32,35,32,32,62,\
31,66,64,00,fd,06,00,01,00,00,00,ac,00,00,00,c0,00,00,00,54,fa,06,00,7d,3e,\
65,76,04,00,00,00,b0,fd,06,00,a8,fd,06,00,7e,21,57,db

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Lsa\GBG]
"GrafBlumGroup"=hex:7d,9b,a1,2b,dc,7f,89,4a,d1

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Lsa\JD]
"Lookup"=hex:12,ad,fd,72,b7,86

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Lsa\Kerberos]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Lsa\Kerberos\SidCache]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Lsa\MSV1_0]
"Auth1"="FPNWCLNT"
"Auth132"="IISSUBA"
"Auth2"="RASSFM"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Lsa\Skew1]
"SkewMatrix"=hex:64,cb,80,b7,79,ac,3b,79,b1,71,94,a7,9a,d1,d8,b3

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Lsa\SspiCache]
"Time"=hex:1e,75,6e,d9,84,52,bf,01

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Lsa\SspiCache\digest.dll]
"Name"="Digest"
"Comment"="Digest SSPI Authentication Package"
"Capabilities"=dword:00004050
"RpcId"=dword:0000ffff
"Version"=dword:00000001
"TokenSize"=dword:0000ffff
"Time"=hex:00,60,4e,96,aa,40,bf,01
"Type"=dword:00000031

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Lsa\SspiCache\msapsspc.dll]
"Name"="DPA"
"Comment"="DPA Security Package"
"Capabilities"=dword:00000037
"RpcId"=dword:00000011
"Version"=dword:00000001

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"TokenSize"=dword:00000300
"Time"=hex:00,60,4e,96,aa,40,bf,01
"Type"=dword:00000031

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Lsa\SspiCache\msnsspc.dll]
"Name"="MSN"
"Comment"="MSN Security Package"
"Capabilities"=dword:00000037
"RpcId"=dword:00000012
"Version"=dword:00000001
"TokenSize"=dword:00000300
"Time"=hex:00,60,4e,96,aa,40,bf,01
"Type"=dword:00000031

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{00DFF077-96E3-11d2-AC4C-00C04F8E9B68}]
"Name"="Stereo Mix"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{00DFF078-96E3-11d2-AC4C-00C04F8E9B68}]
"Name"="Mono Mix"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{02B223C0-C557-11D0-8A2B-00A0C9255AC1}]
"Name"="Mute"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{085AFF00-62CE-11CF-A5D6-28DB04C10000}]
"Name"="Bridge"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{0A4252A0-7E70-11D0-A5D6-28DB04C10000}]
"Name"="Splitter"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{144981E0-C558-11D0-8A2B-00A0C9255AC1}]
"Name"="Delay"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{185FEDE0-9905-11D1-95A9-00C04FB925D3}]
"Name"="Bass"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{185FEDE1-9905-11D1-95A9-00C04FB925D3}]
"Name"="Treble"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{185FEDE2-9905-11D1-95A9-00C04FB925D3}]
"Name"="3D Stereo"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{185FEDE3-9905-11D1-95A9-00C04FB925D3}]

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"Name"="Master Volume"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{185FEDE4-9905-11D1-95A9-00C04FB925D3}]
"Name"="Master Mute"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{185FEDE5-9905-11D1-95A9-00C04FB925D3}]
"Name"="Wave Volume"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{185FEDE6-9905-11D1-95A9-00C04FB925D3}]
"Name"="Wave Mute"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{185FEDE7-9905-11D1-95A9-00C04FB925D3}]
"Name"="MIDI Volume"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{185FEDE8-9905-11D1-95A9-00C04FB925D3}]
"Name"="MIDI Mute"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{185FEDE9-9905-11D1-95A9-00C04FB925D3}]
"Name"="CD Volume"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{185FEDEA-9905-11D1-95A9-00C04FB925D3}]
"Name"="CD Mute"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{185FEDEB-9905-11D1-95A9-00C04FB925D3}]
"Name"="Line Volume"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{185FEDEC-9905-11D1-95A9-00C04FB925D3}]
"Name"="Line Mute"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{185FEDED-9905-11D1-95A9-00C04FB925D3}]
"Name"="Mic Volume"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{185FEDEE-9905-11D1-95A9-00C04FB925D3}]
"Name"="Mic Mute"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{185FEDEF-9905-11D1-95A9-00C04FB925D3}]
"Name"="Recording Source"
"Display"=hex:00,00,00,00

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{185FEDF0-9905-11D1-95A9-00C04FB925D3}]
"Name"="PC Spk Volume"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{185FEDF1-9905-11D1-95A9-00C04FB925D3}]
"Name"="PC Spk Mute"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{185FEDF2-9905-11D1-95A9-00C04FB925D3}]
"Name"="MIDI In Volume"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{185FEDF3-9905-11D1-95A9-00C04FB925D3}]
"Name"="CD In Volume"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{185FEDF4-9905-11D1-95A9-00C04FB925D3}]
"Name"="Line In Volume"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{185FEDF5-9905-11D1-95A9-00C04FB925D3}]
"Name"="Mic In Volume"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{185FEDF6-9905-11D1-95A9-00C04FB925D3}]
"Name"="Wave In Volume"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{185FEDF7-9905-11D1-95A9-00C04FB925D3}]
"Name"="Volume Control"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{185FEDF8-9905-11D1-95A9-00C04FB925D3}]
"Name"="MIDI"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{185FEDF9-9905-11D1-95A9-00C04FB925D3}]
"Name"="Line In"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{185FEDFA-9905-11D1-95A9-00C04FB925D3}]
"Name"="Recording Control"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{185FEDFB-9905-11D1-95A9-00C04FB925D3}]
"Name"="CD Audio"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{185FEDFC-9905-11D1-95A9-00C04FB925D3}]
"Name"="Aux Volume"
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"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{185FEDFD-9905-11D1-95A9-00C04FB925D3}]
"Name"="Aux Mute"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{185FEDFE-9905-11D1-95A9-00C04FB925D3}]
"Name"="Aux"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{185FEDFF-9905-11D1-95A9-00C04FB925D3}]
"Name"="PC Speaker"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{185FEE00-9905-11D1-95A9-00C04FB925D3}]
"Name"="Wave Out Mix"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{1AD247EB-96E3-11d2-AC4C-00C04F8EFB68}]
"Name"="Mono Out Volume"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{1AD247EC-96E3-11d2-AC4C-00C04F8EFB68}]
"Name"="Mono Out Mute"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{1AD247ED-96E3-11d2-AC4C-00C04F8EFB68}]
"Name"="Stereo Mix Volume"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{1E84C900-7E70-11D0-A5D6-28DB04C10000}]
"Name"="Compressor"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{20173F20-C559-11D0-8A2B-00A0C9255AC1}]
"Name"="Chorus"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{22B0EAFD-96E3-11d2-AC4C-00C04F8EFB68}]
"Name"="Stereo Mix Mute"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{22B0EAFE-96E3-11d2-AC4C-00C04F8EFB68}]
"Name"="Mono Mix Volume"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{2721AE20-7E70-11D0-A5D6-28DB04C10000}]
"Name"="Decompressor"
"Display"=hex:00,00,00,00
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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{2BC31D69-96E3-11d2-AC4C-00C04F8E9B68}]
"Name"="Mono Mix Mute"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{2BC31D6A-96E3-11d2-AC4C-00C04F8E9B68}]
"Name"="Microphone Boost"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{2BC31D6B-96E3-11d2-AC4C-00C04F8E9B68}]
"Name"="Alternate Microphone"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{2CEAF780-C556-11D0-8A2B-00A0C9255AC1}]
"Name"="Mux"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{2EB07EA0-7E70-11D0-A5D6-28DB04C10000}]
"Name"="Data Transform"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{3A5ACC00-C557-11D0-8A2B-00A0C9255AC1}]
"Name"="Volume"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{41887440-C558-11D0-8A2B-00A0C9255AC1}]
"Name"="Loudness"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{423274A0-8B81-11D1-A050-0000F8004788}]
"Name"="SW Synth"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{4D837FE0-C555-11D0-8A2B-00A0C9255AC1}]
"Name"="ADC"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{507AE360-C554-11D0-8A2B-00A0C9255AC1}]
"Name"="DAC"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{55515860-C559-11D0-8A2B-00A0C9255AC1}]
"Name"="3D Effects"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{63FP5747-991F-11d2-AC4D-00C04F8E9B68}]
"Name"="3D Depth"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{65E8773D-8F56-11D0-A3B9-00A0C9223196}]
"Name"="Capture"

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"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{65e8773e-8f56-11d0-a3b9-00a0c9223196}]
"Name"="Render"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{7607E580-C557-11D0-8A2B-00A0C9255AC1}]
"Name"="Tone"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{831C2C80-C558-11D0-8A2B-00A0C9255AC1}]
"Name"="Dolby ProLogic Decoder"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{915DAEC4-A434-11d2-AC52-00C04F8E9B68}]
"Name"="Video"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{941C7AC0-C559-11D0-8A2B-00A0C9255AC1}]
"Name"="Device Specific"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{9B46E708-992A-11d2-AC4D-00C04F8E9B68}]
"Name"="Video Volume"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{9B46E709-992A-11d2-AC4D-00C04F8E9B68}]
"Name"="Video Mute"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{9D41B4A0-C557-11D0-8A2B-00A0C9255AC1}]
"Name"="Equalizer"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{9DB7B9E0-C555-11D0-8A2B-00A0C9255AC1}]
"Name"="Sample Rate Converter"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{9F0670B4-991F-11d2-AC4D-00C04F8E9B68}]
"Name"="3D Center"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{A9E69800-C558-11D0-8A2B-00A0C9255AC1}]
"Name"="Stereo Wide"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{AD809C00-7B88-11D0-A5D6-28DB04C10000}]
"Name"="Mixer"
"Display"=hex:00,00,00,00

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{AF6878AC-E83F-11D0-958A-00C04FB925D3}]
"Name"="Stereo Enhance"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{BF963D80-C559-11D0-8A2B-00A0C9255AC1}]
"Name"="Accoustic Echo Cancelation"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{C0EB67D4-E807-11D0-958A-00C04FB925D3}]
"Name"="Demux"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{CB9BEFA0-A251-11D1-A050-0000F8004788}]
"Name"="Microsoft GS Wavetable SW Synth"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{CF1DDA2C-9743-11D0-A3EE-00A0C9223196}]
"Name"="Communication Transform"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{CF1DDA2D-9743-11D0-A3EE-00A0C9223196}]
"Name"="Interface Transform"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{CF1DDA2E-9743-11D0-A3EE-00A0C9223196}]
"Name"="Medium Transform"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{DA441A60-C556-11D0-8A2B-00A0C9255AC1}]
"Name"="Sum"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{DFF21BE1-F70F-11D0-B917-00A0C9223196}]
"Name"="Microphone"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{DFF21BE2-F70F-11D0-B917-00A0C9223196}]
"Name"="Desktop Microphone"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{DFF21BE3-F70F-11D0-B917-00A0C9223196}]
"Name"="Personal Microphone"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{DFF21BE4-F70F-11D0-B917-00A0C9223196}]
"Name"="Omni-Directional Microphone"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{DFF21BE5-F70F-11D0-B917-00A0C9223196}]
"Name"="Microphone Array"

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"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{DFF21BE6-F70F-11D0-B917-00A0C9223196}]
"Name"="Microphone Array"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{DFF21CE1-F70F-11D0-B917-00A0C9223196}]
"Name"="Speaker"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{DFF21CE2-F70F-11D0-B917-00A0C9223196}]
"Name"="Headphones"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{DFF21CE3-F70F-11D0-B917-00A0C9223196}]
"Name"="Head Mounted Display Audio"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{DFF21CE4-F70F-11D0-B917-00A0C9223196}]
"Name"="Desktop Speaker"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{DFF21CE5-F70F-11D0-B917-00A0C9223196}]
"Name"="Room Speaker"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{DFF21CE6-F70F-11D0-B917-00A0C9223196}]
"Name"="Communications Speaker"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{DFF21CE7-F70F-11D0-B917-00A0C9223196}]
"Name"="Low Frequency Effects Speaker"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{DFF21DE1-F70F-11D0-B917-00A0C9223196}]
"Name"="Handset"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{DFF21DE2-F70F-11D0-B917-00A0C9223196}]
"Name"="Headset"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{DFF21DE3-F70F-11D0-B917-00A0C9223196}]
"Name"="Speakerphone"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{DFF21DE4-F70F-11D0-B917-00A0C9223196}]
"Name"="Echo Supressing Speakerphone"
"Display"=hex:00,00,00,00

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{DFF21DE5-F70F-11D0-B917-00A0C9223196}]
"Name"="Echo Cancelling Speakerphone"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{DFF21EE1-F70F-11D0-B917-00A0C9223196}]
"Name"="Phone Line"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{DFF21EE2-F70F-11D0-B917-00A0C9223196}]
"Name"="Telephone"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{DFF21EE3-F70F-11D0-B917-00A0C9223196}]
"Name"="Down Line Phone"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{DFF21FE1-F70F-11D0-B917-00A0C9223196}]
"Name"="Analog Connector"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{DFF21FE2-F70F-11D0-B917-00A0C9223196}]
"Name"="Digital Audio Interface"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{DFF21FE3-F70F-11D0-B917-00A0C9223196}]
"Name"="Line"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{DFF21FE4-F70F-11D0-B917-00A0C9223196}]
"Name"="Wave"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{DFF21FE5-F70F-11D0-B917-00A0C9223196}]
"Name"="SPDIF Interface"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{DFF21FE6-F70F-11D0-B917-00A0C9223196}]
"Name"="1394 Digital Audio Stream"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{DFF21FE7-F70F-11D0-B917-00A0C9223196}]
"Name"="1394 Digital Video Soundtrack"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{DFF220E1-F70F-11D0-B917-00A0C9223196}]
"Name"="Level Calibration Noise Source"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{DFF220E2-F70F-11D0-B917-00A0C9223196}]
"Name"="Equalization Noise"

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"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{DFF220E3-F70F-11D0-B917-00A0C9223196}]
"Name"="CD Player"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{DFF220E4-F70F-11D0-B917-00A0C9223196}]
"Name"="Digital Audio Tape"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{DFF220E5-F70F-11D0-B917-00A0C9223196}]
"Name"="Digital Compact Cassette"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{DFF220E6-F70F-11D0-B917-00A0C9223196}]
"Name"="Minidisk"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{DFF220E7-F70F-11D0-B917-00A0C9223196}]
"Name"="AnalogTape"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{DFF220E8-F70F-11D0-B917-00A0C9223196}]
"Name"="Phonograph"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{DFF220E9-F70F-11D0-B917-00A0C9223196}]
"Name"="VCR Audio"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{DFF220EA-F70F-11D0-B917-00A0C9223196}]
"Name"="Video Disk Audio"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{DFF220EB-F70F-11D0-B917-00A0C9223196}]
"Name"="DVD Audio"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{DFF220EC-F70F-11D0-B917-00A0C9223196}]
"Name"="TV Tuner Audio"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{DFF220ED-F70F-11D0-B917-00A0C9223196}]
"Name"="Satellite Audio"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{DFF220EE-F70F-11D0-B917-00A0C9223196}]
"Name"="Cable Audio"
"Display"=hex:00,00,00,00

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{DFF220EF-F70F-11D0-B917-00A0C9223196}]
"Name"="DSS Audio"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{DFF220F0-F70F-11D0-B917-00A0C9223196}]
"Name"="Radio Receiver"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{DFF220F1-F70F-11D0-B917-00A0C9223196}]
"Name"="Radio Transmitter"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{DFF220F2-F70F-11D0-B917-00A0C9223196}]
"Name"="Multitrack Recorder"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{DFF220F3-F70F-11D0-B917-00A0C9223196}]
"Name"="Synthesizer"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{E573ADC0-C555-11D0-8A2B-00A0C9255AC1}]
"Name"="SuperMix"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{E88C9BA0-C557-11D0-8A2B-00A0C9255AC1}]
"Name"="AGC"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{EF0328E0-C558-11D0-8A2B-00A0C9255AC1}]
"Name"="Reverb"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaCategories\{F9B41DC3-96E2-11d2-AC4C-00C04F8EFB68}]
"Name"="Mono Out"
"Display"=hex:00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaInterfaces]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaInterfaces\{45FFAAA0-6E1B-11D0-BCF2-444553540000}]
@="KsProxy DirectShow Audio Interface Handler"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaInterfaces\{BC29A660-30E3-11d0-9E69-00C04FD7C15B}]
@="WDM Streaming VPE Property Set Interface Handler"
"IID"=hex:60,a6,29,bc,e3,30,d0,11,9e,69,00,c0,4f,d7,c1,5b

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaInterfaces\{CBE3FAA0-CC75-11D0-B465-00001A1818E6}]
@="KsProxy DirectShow Audio Interface Handler"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaInterfaces\{EC529B00-1A1F-11D1-BAD9-00609744111A}]
@="WDM Streaming VPE VBI Property Set Interface Handler"

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"IID"=hex:00,9b,52,ec,1f,1a,d1,11,ba,d9,00,60,97,44,11,1a

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaProperties]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaProperties\PrivateProperties]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaProperties\PrivateProperties\Joystick]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaProperties\PrivateProperties\Joystick\OEM]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaProperties\PrivateProperties\Joystick\OEM\SideWinderAutoDetect]
"OEMName"="Microsoft SideWinder (Auto Detect)"
"OEMHardwareID"="Gameport\SideWinderGameController"
"OEMData"=hex:00,00,08,00,00,00,00,00
"Flags1"=hex:01,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaProperties\PrivateProperties\Joystick\Winmm]
"wheel"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaProperties\PrivateProperties\MIDI]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaProperties\PrivateProperties\MIDI\Schemes]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaProperties\PrivateProperties\MIDI\Schemes\Default]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaProperties\PrivateProperties\MIDI\Schemes\Default\00]
@=" "
"Channels"=dword:0000ffff

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaResources]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaResources\DirectSound]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaResources\DirectSound\Application Compatibility]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaResources\DirectSound\Application Compatibility\ANDRETTI.EXE34492A63000BEA00]
"DSAPPHACKID_MODIFYCSBFAILURE"=hex:1e,00,78,88

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaResources\DirectSound\Application Compatibility\DD2.EXE328883440092BF0]
"DSAPPHACKID_DISABLEDEVICE"=hex:04,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaResources\DirectSound\Application Compatibility\DD2H.EXE328882C500092DF8]
"DSAPPHACKID_DISABLEDEVICE"=hex:04,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaResources\DirectSound\Application Compatibility\FIFARTWC.EXE345FB52D00183C00]
"DSAPPHACKID_PADCUSORS"=hex:28,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaResources\DirectSound\Application Compatibility\FIFAWC.EXE35320039001AE400]

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"DSAPPHACKID_PADCURSORS"=hex:28,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaResources\DirectSound\Appl
ication Compatibility\FIFAWIN.EXE325FC5F4000F2200]
"DSAPPHACKID_PADCURSORS"=hex:3c,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaResources\DirectSound\Appl
ication Compatibility\FIFAWIN.EXE32665883000F2200]
"DSAPPHACKID_PADCURSORS"=hex:3c,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaResources\DirectSound\Appl
ication Compatibility\GAMEMAIN.EXE35C90A8A00223C00]
"DSAPPHACKID_PADCURSORS"=hex:28,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaResources\DirectSound\Appl
ication Compatibility\HOCKEY.EXE32348F190017A800]
"DSAPPHACKID_PADCURSORS"=hex:3c,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaResources\DirectSound\Appl
ication Compatibility\LEGACY.EXE347B57D00006D200]
"DSAPPHACKID_RETURNWRITEPOS"=hex:01,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaResources\DirectSound\Appl
ication Compatibility\MAGESLAY.EXE34146DD300112000]
"DSAPPHACKID_DISABLEDDEVICE"=hex:04,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaResources\DirectSound\Appl
ication Compatibility\NBAWIN.EXE3299791300186200]
"DSAPPHACKID_PADCURSORS"=hex:28,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaResources\DirectSound\Appl
ication Compatibility\NBAWIN.EXE343FC9AF001FF400]
"DSAPPHACKID_PADCURSORS"=hex:28,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaResources\DirectSound\Appl
ication Compatibility\NFS.EXE31C4F35C00105000]
"DSAPPHACKID_RETURNWRITEPOS"=hex:01,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaResources\DirectSound\Appl
ication Compatibility\NFS.EXE325328050011CC00]
"DSAPPHACKID_RETURNWRITEPOS"=hex:01,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaResources\DirectSound\Appl
ication Compatibility\NFS2SEA.EXE342709E1000EE200]
"DSAPPHACKID_PADCURSORS"=hex:28,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaResources\DirectSound\Appl
ication Compatibility\NFS2SEN.EXE34270ABA000DBC00]
"DSAPPHACKID_PADCURSORS"=hex:28,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaResources\DirectSound\Appl
ication Compatibility\NHL98.EXE340F99AF001CF800]
"DSAPPHACKID_PADCURSORS"=hex:28,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaResources\DirectSound\Appl
ication Compatibility\NUKEPC.EXE3431F0600011515C]
"DSAPPHACKID_PADCURSORS"=hex:0a,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaResources\DirectSound\Appl
ication Compatibility\TIME32.EXE33EE7C1E000D8400]
"DSAPPHACKID_RETURNWRITEPOS"=hex:01,00,00,00
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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaResources\DirectSound\Appl
ication Compatibility\TP98_R.EXE3372E28300165C00]
"DSAPPHACKID_PADCURSORS"=hex:28,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaResources\DirectSound\Appl
ication Compatibility\TP99_R.EXE350265F8001AD000]
"DSAPPHACKID_PADCURSORS"=hex:28,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaResources\DirectSound\Appl
ication Compatibility\TPLAYW.EXE31F3EE2D0011D600]
"DSAPPHACKID_PADCURSORS"=hex:28,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaResources\DirectSound\Appl
ication Compatibility\UNREAL.EXE355F016600006000]
"DSAPPHACKID_SMOOTHWRITEPOS"=hex:01,01,00,00,00,50,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaResources\MIDI]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaResources\NonGeneralMIDIDr
iverList]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaSets]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaSets\{45FFAAA0-6E1B-11D0-
BCF2-444553540000}]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaSets\{45FFAAA0-6E1B-11D0-
BCF2-444553540000}\PropertyPages]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\MediaSets\{45FFAAA0-6E1B-11D0-
BCF2-444553540000}\PropertyPages\{2CA8CA52-3C3F-11d2-B73D-00C04FB6D3D}]
@="IAMAUDIOINPUTMIXER Properties"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network]
"FilterClasses"=hex(7):73,63,68,65,64,75,6c,65,72,00,6c,6f,61,64,62,61,6c,61,\
6e,63,65,00,66,61,69,6c,6f,76,65,72,00,00
"Config"=hex:00,00,00,00,1d,00,00,00,12,77,0f,d8,dc,c1,2c,41,a8,cb,83,c2,66,3e,\
cb,56,04,00,00,00,80,00,00,00,63,00,71,00,5f,00,73,00,6e,00,65,00,74,00,6e,\
00,69,00,63,00,00,00,00,00,9a,e1,ef,b5,ab,bd,5d,42,82,ce,42,ef,f4,1d,52,1e,\
04,00,00,00,80,00,00,00,63,00,71,00,5f,00,73,00,61,00,6e,00,6d,00,61,00,6e,\
00,00,00,00,de,70,57,0b,fa,dc,42,4a,94,17,a5,59,df,16,67,a7,04,00,00,00,\
90,04,00,00,6d,00,73,00,5f,00,77,00,6c,00,62,00,73,00,00,00,00,00,6e,07,d8,\
6d,d2,46,f4,4d,bc,7b,85,ac,ee,ea,61,ae,04,00,00,00,28,00,00,00,6d,00,73,00,\
5f,00,73,00,74,00,65,00,65,00,6c,00,68,00,65,00,61,00,64,00,00,00,00,00,2c,\
a1,18,8e,e9,93,d0,4d,93,84,cf,8f,b8,01,71,f5,04,00,00,00,38,00,00,00,6d,00,\
73,00,5f,00,72,00,61,00,73,00,73,00,72,00,76,00,00,00,00,00,33,a7,30,c6,f6,\
d4,4a,4c,b6,31,85,6c,01,74,34,70,04,00,00,00,28,00,00,00,6d,00,73,00,5f,00,\
72,00,61,00,73,00,6d,00,61,00,6e,00,00,00,00,00,82,84,da,c6,8d,60,57,43,a4,\
79,f6,3a,29,8e,af,d5,04,00,00,00,38,00,00,00,6d,00,73,00,5f,00,72,00,61,00,\
73,00,63,00,6c,00,69,00,00,00,00,00,82,a7,9b,d6,5c,64,98,43,ba,7f,94,31,6a,\
b5,a1,9b,04,00,00,00,80,00,00,00,6d,00,73,00,5f,00,73,00,65,00,72,00,76,00,\
65,00,72,00,00,00,00,00,6c,67,41,69,20,9c,84,43,85,b0,a3,af,68,f1,17,ef,04,\
00,00,00,28,00,00,00,6d,00,73,00,5f,00,6e,00,65,00,74,00,62,00,69,00,6f,00,\
73,00,00,00,00,23,6d,1a,17,a9,28,57,4e,bd,3b,f5,2c,57,22,a1,83,04,00,00,\
00,28,00,00,00,6d,00,73,00,5f,00,72,00,73,00,76,00,70,00,00,00,00,00,ec,9e,\
81,a4,dc,6b,78,46,b7,b5,72,8e,21,b5,be,41,04,00,00,28,00,00,00,6d,00,73,\
00,5f,00,67,00,70,00,63,00,00,00,00,00,01,7f,b7,aa,7c,d4,34,49,96,05,02,22,\
ba,2d,58,5a,03,00,00,00,80,00,00,00,6d,00,73,00,5f,00,6d,00,73,00,63,00,6c,\
00,69,00,65,00,6e,00,74,00,00,00,00,00,5d,c1,f7,7a,13,44,8e,45,82,06,d2,93,\
2f,c1,6c,41,02,00,00,38,00,00,6d,00,73,00,5f,00,70,00,70,00,74,00,70,\
00,00,00,00,00,88,5d,20,60,60,af,7f,4d,9b,e8,9c,ac,38,0b,1f,71,02,00,00,\
38,00,00,00,6d,00,73,00,5f,00,6c,00,32,00,74,00,70,00,00,00,00,00,dc,c2,6b,\
0c,f2,05,0b,4d,a7,87,e4,28,66,c8,be,0d,02,00,00,28,00,00,00,6d,00,73,00,\
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5f,00,6e,00,64,00,69,00,73,00,77,00,61,00,6e,00,00,00,00,91,9c,76,ec,bc,\
fe,1f,46,92,d3,6e,fc,0a,6c,93,29,02,00,00,00,38,00,00,6d,00,73,00,5f,00,\
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81,f9,e0,61,4d,bb,52,21,dc,6b,06,0c,35,02,00,00,00,28,00,00,6d,00,73,00,\
5f,00,6e,00,65,00,74,00,62,00,74,00,00,00,00,00,27,46,c5,56,73,b9,b7,4e,9d,\
bd,b7,b2,83,bc,63,43,02,00,00,00,80,00,00,00,6d,00,73,00,5f,00,74,00,63,00,\
70,00,69,00,70,00,00,00,00,00,7e,0d,11,ca,e6,a9,aa,48,9b,01,5a,56,70,cd,4a,\
7d,00,00,00,00,84,00,00,00,70,00,63,00,69,00,5c,00,76,00,65,00,6e,00,5f,00,\
38,00,30,00,38,00,36,00,26,00,64,00,65,00,76,00,5f,00,31,00,32,00,32,00,39,\
00,26,00,73,00,75,00,62,00,73,00,79,00,73,00,5f,00,62,00,30,00,64,00,64,00,\
30,00,65,00,31,00,31,00,00,00,50,00,43,00,49,00,5c,00,56,00,45,00,4e,00,5f,\
00,38,00,30,00,38,00,36,00,26,00,44,00,45,00,56,00,5f,00,31,00,32,00,32,00,\
39,00,26,00,53,00,55,00,42,00,53,00,59,00,53,00,5f,00,42,00,30,00,44,00,44,\
00,30,00,45,00,31,00,31,00,26,00,52,00,45,00,56,00,5f,00,30,00,35,00,5c,00,\
34,00,26,00,31,00,37,00,36,00,32,00,32,00,46,00,30,00,44,00,26,00,30,00,26,\
00,32,00,38,00,31,00,30,00,00,00,d8,4e,b8,13,34,0f,7e,4b,94,b0,ec,4f,a6,e8,\
56,eb,00,00,00,84,00,00,00,70,00,63,00,69,00,5c,00,76,00,65,00,6e,00,5f,\
00,38,00,30,00,38,00,36,00,26,00,64,00,65,00,76,00,5f,00,31,00,32,00,32,00,\
39,00,26,00,73,00,75,00,62,00,73,00,79,00,73,00,5f,00,62,00,30,00,64,00,64,\
00,30,00,65,00,31,00,31,00,00,00,50,00,43,00,49,00,5c,00,56,00,45,00,4e,00,\
5f,00,38,00,30,00,38,00,36,00,26,00,44,00,45,00,56,00,5f,00,31,00,32,00,32,\
00,39,00,26,00,53,00,55,00,42,00,53,00,59,00,53,00,5f,00,42,00,30,00,44,00,\
44,00,30,00,45,00,31,00,31,00,26,00,52,00,45,00,56,00,5f,00,30,00,35,00,5c,\
00,34,00,26,00,31,00,37,00,36,00,32,00,32,00,46,00,30,00,44,00,26,00,30,00,\
26,00,32,00,30,00,31,00,30,00,00,00,6c,af,45,9a,15,f1,46,40,b7,1f,c7,e1,c0,\
4f,f9,40,00,00,00,84,00,00,00,70,00,63,00,69,00,5c,00,76,00,65,00,6e,00,\
5f,00,31,00,30,00,65,00,34,00,26,00,64,00,65,00,76,00,5f,00,30,00,30,00,30,\
00,35,00,26,00,72,00,65,00,76,00,5f,00,30,00,30,00,00,50,00,43,00,49,00,\
5c,00,56,00,45,00,4e,00,5f,00,31,00,30,00,45,00,34,00,26,00,44,00,45,00,56,\
00,5f,00,30,00,30,00,30,00,35,00,26,00,53,00,55,00,42,00,53,00,59,00,53,00,\
5f,00,30,00,30,00,30,00,30,00,31,00,30,00,45,00,34,00,26,00,52,00,45,00,56,\
00,5f,00,30,00,30,00,5c,00,33,00,26,00,31,00,30,00,37,00,30,00,30,00,32,00,\
30,00,26,00,30,00,26,00,30,00,38,00,00,ca,6e,3a,50,89,c4,c2,4e,a9,6d,bb,\
74,71,0b,0d,6c,00,00,00,81,00,00,00,63,00,71,00,5f,00,73,00,6e,00,6e,00,\
64,00,69,00,73,00,00,00,52,00,4f,00,4f,00,54,00,5c,00,43,00,51,00,5f,00,53,\
00,4e,00,4e,00,44,00,49,00,53,00,5c,00,30,00,30,00,30,00,00,af,97,\
6d,39,dd,f5,17,4d,8d,7d,34,57,14,9a,ae,c4,00,00,00,29,00,00,00,6d,00,73,\
00,5f,00,6e,00,64,00,69,00,73,00,77,00,61,00,6e,00,69,00,70,00,00,00,52,00,\
4f,00,4f,00,54,00,5c,00,4d,00,53,00,5f,00,4e,00,44,00,49,00,53,00,57,00,41,\
00,4e,00,49,00,50,00,5c,00,30,00,30,00,00,14,33,c6,91,7d,6a,\
78,4c,8e,7f,ea,39,88,14,71,1b,00,00,00,29,00,00,00,6d,00,73,00,5f,00,70,\
00,74,00,69,00,6d,00,69,00,6e,00,69,00,6f,00,72,00,74,00,00,00,52,00,\
4f,00,4f,00,54,00,5c,00,4d,00,53,00,5f,00,50,00,54,00,49,00,4d,00,49,00,4e,\
00,49,00,50,00,4f,00,52,00,54,00,5c,00,30,00,30,00,30,00,00,00,00,16,\
92,0c,98,81,0e,46,b9,f6,e9,54,b0,ce,4c,cb,00,00,00,29,00,00,00,6d,00,73,\
00,5f,00,70,00,70,00,74,00,70,00,6d,00,69,00,6e,00,69,00,70,00,6f,00,72,00,\
74,00,00,00,52,00,4f,00,4f,00,54,00,5c,00,4d,00,53,00,5f,00,50,00,50,00,54,\
00,50,00,4d,00,49,00,4e,00,49,00,50,00,4f,00,52,00,54,00,5c,00,30,00,30,00,\
30,00,30,00,00,4d,a6,d0,61,63,82,23,42,87,bf,c6,ad,64,74,db,a9,00,00,00,\
00,29,00,00,00,6d,00,73,00,5f,00,6c,00,32,00,74,00,70,00,6d,00,69,00,6e,00,\
69,00,70,00,6f,00,72,00,74,00,00,00,52,00,4f,00,4f,00,54,00,5c,00,4d,00,53,\
00,5f,00,4c,00,32,00,54,00,50,00,4d,00,49,00,4e,00,49,00,50,00,4f,00,52,00,\
54,00,5c,00,30,00,30,00,30,00,00,00,2f,3c,6d,22,16,a9,fa,43,a2,0f,8c,\
b0,dc,6d,6d,7f,00,00,00,00,2a,00,00,00,73,00,77,00,5c,00,7b,00,65,00,65,00,\
61,00,62,00,37,00,37,00,39,00,30,00,2d,00,63,00,35,00,31,00,34,00,2d,00,31,\
00,31,00,64,00,31,00,2d,00,62,00,34,00,32,00,62,00,2d,00,30,00,30,00,38,00,\
30,00,35,00,66,00,63,00,31,00,32,00,37,00,30,00,65,00,7d,00,00,00,53,00,57,\
00,5c,00,7b,00,45,00,45,00,41,00,42,00,37,00,37,00,39,00,30,00,2d,00,43,00,\
35,00,31,00,34,00,2d,00,31,00,31,00,44,00,31,00,2d,00,42,00,34,00,32,00,42,\
00,2d,00,30,00,30,00,38,00,30,00,35,00,46,00,43,00,31,00,32,00,37,00,30,00,\
45,00,7d,00,5c,00,41,00,53,00,59,00,4e,00,43,00,4d,00,41,00,43,00,00,00,30,\
07,ed,3e,82,d7,27,42,aa,0e,b1,85,31,f7,d1,fb,00,00,00,00,84,00,00,00,70,00,\
63,00,69,00,5c,00,76,00,65,00,6e,00,5f,00,38,00,30,00,38,00,36,00,26,00,64,\

00,65,00,76,00,5f,00,31,00,32,00,32,00,39,00,26,00,73,00,75,00,62,00,73,00,\
79,00,73,00,5f,00,62,00,30,00,64,00,64,00,30,00,65,00,31,00,31,00,00,00,50,\
00,43,00,49,00,5c,00,56,00,45,00,4e,00,5f,00,38,00,30,00,38,00,36,00,26,00,\
44,00,45,00,56,00,5f,00,31,00,32,00,32,00,39,00,26,00,53,00,55,00,42,00,53,\
00,59,00,53,00,5f,00,42,00,30,00,44,00,44,00,30,00,45,00,31,00,31,00,26,00,\
52,00,45,00,56,00,5f,00,30,00,35,00,5c,00,34,00,26,00,31,00,35,00,36,00,46,\
00,43,00,34,00,33,00,37,00,26,00,30,00,26,00,32,00,38,00,30,00,38,00,00,00,\
0f,34,60,86,37,fd,aa,40,b8,87,9d,dc,6c,5e,12,de,00,00,00,00,84,00,00,00,70,\
00,63,00,69,00,5c,00,76,00,65,00,6e,00,5f,00,38,00,30,00,38,00,36,00,26,00,\
64,00,65,00,76,00,5f,00,31,00,32,00,32,00,39,00,26,00,73,00,75,00,62,00,73,\
00,79,00,73,00,5f,00,62,00,30,00,64,00,64,00,30,00,65,00,31,00,31,00,00,00,\
50,00,43,00,49,00,5c,00,56,00,45,00,4e,00,5f,00,38,00,30,00,38,00,36,00,26,\
00,44,00,45,00,56,00,5f,00,31,00,32,00,32,00,39,00,26,00,53,00,55,00,42,00,\
53,00,59,00,53,00,5f,00,42,00,30,00,44,00,44,00,30,00,45,00,31,00,31,00,26,\
00,52,00,45,00,56,00,5f,00,30,00,35,00,5c,00,34,00,26,00,31,00,35,00,36,00,\
46,00,43,00,34,00,33,00,37,00,26,00,30,00,26,00,32,00,30,00,30,38,00,00,00,\
00,00,00,00,00,16,00,00,00,02,00,00,12,00,00,00,02,00,00,13,00,00,00,\
02,00,00,00,14,00,00,00,02,00,00,15,00,00,00,02,00,00,1c,00,00,00,02,\
00,00,00,1b,00,00,00,07,00,00,0f,00,00,00,07,00,00,10,00,00,08,00,\
00,00,10,00,00,00,0b,00,00,0f,00,00,00,0b,00,00,10,00,00,00,0e,00,00,\
00,17,00,00,00,0e,00,00,00,18,00,00,00,0e,00,00,19,00,00,00,0e,00,00,00,\
1a,00,00,00,10,00,00,00,11,00,00,00,11,00,00,12,00,00,00,11,00,00,00,13,\
00,00,00,11,00,00,00,15,00,00,00,11,00,00,00,1c,00,00,00,11,00,00,00,1b,00,\
00,00,11,00,00,00,16,00,00,00,06,00,00,02,00,00,02,00,00,1c,00,00,00,\
00,02,00,00,00,02,00,00,1b,00,00,00,02,00,00,02,00,00,15,00,00,00,\
02,00,00,00,02,00,00,14,00,00,00,02,00,00,02,00,00,13,00,00,00,02,\
00,00,00,02,00,00,12,00,00,00,12,00,00,00,00,00,00,00,00,00,01,00,\
00,00,14,00,00,00,00,00,00,01,00,00,00,00,00,00,00,01,00,00,00,00,00,\
00,00,00,00,02,00,00,00,01,00,00,00,00,00,00,00,00,00,00,03,00,00,00,\
00,00,00,00,01,00,00,00,04,00,00,00,00,00,00,04,00,00,00,01,00,00,00,00,\
00,00,00,00,00,00,05,00,00,00,00,00,00,00,01,00,00,00,0e,00,00,00,00,\
00,00,06,00,00,00,01,00,00,00,00,00,00,00,00,00,07,00,00,00,01,00,00,\
00,00,00,00,00,00,00,00,08,00,00,00,00,00,00,00,01,00,00,00,0b,00,00,00,\
00,00,00,00,09,00,00,00,00,00,00,00,01,00,00,00,11,00,00,00,00,00,00,0a,\
00,00,00,01,00,00,00,00,00,00,00,00,00,00,00,0b,00,00,00,01,00,00,00,00,\
00,00,00,00,00,0c,00,00,00,01,00,00,00,00,00,00,00,00,00,00,0d,00,00,\
00,01,00,00,00,00,00,00,00,00,00,00,00,0e,00,00,00,00,00,00,00,02,00,00,\
06,00,00,00,03,00,00,00,00,00,00,0f,00,00,00,00,00,00,00,01,00,00,00,11,\
00,00,00,00,00,00,10,00,00,00,00,00,00,00,01,00,00,00,11,00,00,00,00,00,\
00,00,11,00,00,00,01,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\Connections]
"ClassManagers"=hex(7):7b,42,41,31,32,36,41,44,33,2d,32,31,36,36,2d,31,31,44,\  
31,2d,42,31,44,30,2d,30,38,30,35,46,43,31,32,37,30,45,7d,00,7b,42,41,31,\  
32,36,41,44,35,2d,32,31,36,36,2d,31,31,44,31,2d,42,31,44,30,2d,30,38,30,\  
35,46,43,31,32,37,30,45,7d,00,7b,42,41,31,32,36,41,44,44,2d,32,31,36,36,2d,\  
31,31,44,31,2d,42,31,44,30,2d,30,38,30,35,46,43,31,32,37,30,45,7d,00,00
```

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E972-E325-11CE-  
BFC1-08002BE10318}]
@="Network Adapters"
"Class"="Net"
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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E972-E325-11CE-  
BFC1-08002BE10318}\Descriptions]
"Compaq NC3131 Fast Ethernet NIC"=hex(7):31,00,32,00,33,00,34,00,00
"RAS Async Adapter"=hex(7):31,00,00
"WAN Miniport (L2TP)"=hex(7):31,00,00
"WAN Miniport (PPTP)"=hex(7):31,00,00
"Direct Parallel"=hex(7):31,00,00
"WAN Miniport (IP)"=hex(7):31,00,00
"Compaq ServerNet-II PCI Adapter, Rev 00"=hex(7):31,00,00
"Compaq ServerNet-II NDIS Miniport"=hex(7):31,00,00
```

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E972-E325-11CE-BFC1-08002BE10318}\{13B84ED8-0F34-4B7E-94B0-EC4FA6E856EB}]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E972-E325-11CE-BFC1-08002BE10318}\{13B84ED8-0F34-4B7E-94B0-EC4FA6E856EB}\Connection]
"PnpInstanceID"="PCI\VEN_8086&DEV_1229&SUBSYS_B0DD0E11&REV_05\4&17622F0D&0&2010"
"Name"="Local Area Connection 3"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E972-E325-11CE-BFC1-08002BE10318}\{3EED0730-D782-4227-AA0E-B18531F7D1FB}]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E972-E325-11CE-BFC1-08002BE10318}\{3EED0730-D782-4227-AA0E-B18531F7D1FB}\Connection]
"PnpInstanceID"="PCI\VEN_8086&DEV_1229&SUBSYS_B0DD0E11&REV_05\4&156FC437&0&2808"
"Name"="Local Area Connection 2"
"ShowIcon"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E972-E325-11CE-BFC1-08002BE10318}\{503A6ECA-C489-4EC2-A96D-BB74710B0D6C}]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E972-E325-11CE-BFC1-08002BE10318}\{503A6ECA-C489-4EC2-A96D-BB74710B0D6C}\Connection]
"PnpInstanceID"="ROOT\CQ_SNNDIS\0000"
"Name"="Local Area Connection 7"
"ShowIcon"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E972-E325-11CE-BFC1-08002BE10318}\{8660340F-FD37-40AA-B887-9DDC6C5E12DE}]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E972-E325-11CE-BFC1-08002BE10318}\{8660340F-FD37-40AA-B887-9DDC6C5E12DE}\Connection]
"PnpInstanceID"="PCI\VEN_8086&DEV_1229&SUBSYS_B0DD0E11&REV_05\4&156FC437&0&2008"
"Name"="Local Area Connection"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E972-E325-11CE-BFC1-08002BE10318}\{CA110D7E-A9E6-48AA-9B01-5A5670CD4A7D}]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E972-E325-11CE-BFC1-08002BE10318}\{CA110D7E-A9E6-48AA-9B01-5A5670CD4A7D}\Connection]
"PnpInstanceID"="PCI\VEN_8086&DEV_1229&SUBSYS_B0DD0E11&REV_05\4&17622F0D&0&2810"
"Name"="Local Area Connection 5"
"ShowIcon"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E973-E325-11CE-BFC1-08002BE10318}]
@="Network Client"
"Class"="NetClient"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E973-E325-11CE-BFC1-08002BE10318}\{AAB77F01-D47C-4934-9605-0222BA2D585A}]
"Characteristics"=dword:00000080
"InfPath"="netmscli.inf"
"InfSection"="MSClient.ndi"
"Description"="Client for Microsoft Networks"
"ComponentId"="ms_msclient"
"PrintProviderName"="LanMan Print Services"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E973-E325-11CE-BFC1-08002BE10318}\{AAB77F01-D47C-4934-9605-0222BA2D585A}\Ndi]
"ClsID"="{57C06EAA-8784-11D0-83D4-00A0C911E5DF}"
"Service"="LanmanWorkstation"
"CoServices"=hex(7):4c,61,6e,6d,61,6e,57,6f,72,6b,73,74,61,74,69,6f,6e,00,41,\
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6c,65,72,74,65,72,00,42,72,6f,77,73,65,72,00,4e,65,74,6c,6f,67,6f,6e,00,4d,\
65,73,73,65,6e,67,65,72,00,4e,74,4c,6d,53,73,70,00,52,70,63,4c,6f,63,61,74,\
6f,72,00,00
"ExcludeSetupStartServices"=hex(7):41,6c,65,72,74,65,72,00,42,72,6f,77,73,65,\
72,00,4e,65,74,6c,6f,67,6f,6e,00,4d,65,73,73,65,6e,67,65,72,00,4e,74,4c,6d,\
53,73,70,00,52,70,63,4c,6f,63,61,74,6f,72,00,00
"HelpText"="Allows your computer to access resources on a Microsoft network."

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E973-E325-11CE-BFC1-08002BE10318}\{AAB77F01-D47C-4934-9605-0222BA2D585A}\Ndi\Interfaces]
"UpperRange"="winnet5"
"LowerRange"="netbios,netbios_smb"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E974-E325-11CE-BFC1-08002BE10318}]
@="Network Service"
"Class"="NetService"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E974-E325-11CE-BFC1-08002BE10318}\{0B5770DE-DCFA-4A42-9417-A559DF1667A7}]
"Characteristics"=dword:00000490
"InfPath"="netwlbs.inf"
"InfSection"="WLBS.ndi.NTx86"
"Description"="Network Load Balancing"
"ComponentId"="ms_wlbs"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E974-E325-11CE-BFC1-08002BE10318}\{0B5770DE-DCFA-4A42-9417-A559DF1667A7}\Ndi]
"ClsID"="{bf0eaea8-c122-11d2-94f4-00c04f72d8c4}"
"HelpText"="This component provides TCP/IP load balancing functionality."
"FilterClass"="loadbalance"
"FilterDeviceInfFile"="netwlbsm.inf"
"FilterDeviceInfId"="ms_wlbspmp"
"Service"="Wlbs"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E974-E325-11CE-BFC1-08002BE10318}\{0B5770DE-DCFA-4A42-9417-A559DF1667A7}\Ndi\Interfaces]
"UpperRange"="noupper"
"LowerRange"="nolower"
"LowerExclude"="ndisatm, ndiscowan, ndiswan, ndiswanasync, ndiswanipx, ndiswannbf, ndiswanip, ndiswanbh, ndiswanatalk"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E974-E325-11CE-BFC1-08002BE10318}\{171A6D23-28A9-4E57-BD3B-F52C5722A183}]
"Characteristics"=dword:00000028
"InfPath"="netrsvp.inf"
"InfSection"="RSVP.ndi"
"Description"="QoS RSVP"
"ComponentId"="ms_rsvp"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E974-E325-11CE-BFC1-08002BE10318}\{171A6D23-28A9-4E57-BD3B-F52C5722A183}\Ndi]
"Service"="RSVP"
"HelpText"="The RSVP protocol is used to provide reserved bandwidth through the network."

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E974-E325-11CE-BFC1-08002BE10318}\{171A6D23-28A9-4E57-BD3B-F52C5722A183}\Ndi\Interfaces]
"UpperRange"="noupper"
"LowerRange"="nolower"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E974-E325-11CE-BFC1-08002BE10318}\{6941676C-9C20-4384-85B0-A3AF68F117EF}]
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"Characteristics"=dword:00000028
"InfPath"="netnb.inf"
"InfSection"="NetBIOS.ndi"
>Description"="NetBIOS Interface"
"ComponentId"="ms_netbios"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E974-E325-11CE-BF01-08002BE10318}\{6941676C-9C20-4384-85B0-A3AF68F117EF}\Ndi]
"Service"="NetBIOS"
"CoServices"=hex(7):4e,65,74,42,49,4f,53,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E974-E325-11CE-BF01-08002BE10318}\{6941676C-9C20-4384-85B0-A3AF68F117EF}\Ndi\Interfaces}
"UpperRange"="winnet5"
"LowerRange"="netbios"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E974-E325-11CE-BF01-08002BE10318}\{6DD8076E-46D2-4DF4-BC7B-85ACEEEA61AE}]
"Characteristics"=dword:00000028
"InfPath"="netrass.inf"
"InfSection"="Ndi-Steelhead"
>Description"="Steelhead"
"ComponentId"="ms_steelhead"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E974-E325-11CE-BF01-08002BE10318}\{6DD8076E-46D2-4DF4-BC7B-85ACEEEA61AE}\Ndi]
"ClsID"="{6e65cbc5-926d-11d0-8e27-00c04fc99dcf}"
"Service"="RemoteAccess"
"CoServices"=hex(7):52,65,6d,6f,74,65,41,63,63,65,73,73,00,00
"ExcludeSetupStartServices"=hex(7):52,65,6d,6f,74,65,41,63,63,65,73,73,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E974-E325-11CE-BF01-08002BE10318}\{6DD8076E-46D2-4DF4-BC7B-85ACEEEA61AE}\Ndi\Interfaces}
"UpperRange"="noupper"
"LowerRange"="nolower"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E974-E325-11CE-BF01-08002BE10318}\{8E18A12C-93E9-4DD0-9384-CF8FB80171F5}]
"Characteristics"=dword:00000038
"InfPath"="netrass.inf"
"InfSection"="Ndi-RasSrv"
>Description"="Dial-Up Server"
"ComponentId"="ms_rassrv"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E974-E325-11CE-BF01-08002BE10318}\{8E18A12C-93E9-4DD0-9384-CF8FB80171F5}\Ndi]
"ClsID"="{6e65cbc1-926d-11d0-8e27-00c04fc99dcf}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E974-E325-11CE-BF01-08002BE10318}\{8E18A12C-93E9-4DD0-9384-CF8FB80171F5}\Ndi\Interfaces}
"UpperRange"="noupper"
"LowerRange"="nolower"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E974-E325-11CE-BF01-08002BE10318}\{A4819EEC-6BDC-4678-B7B5-728E21B5BE41}]
"Characteristics"=dword:00000028
"InfPath"="netgpc.inf"
"InfSection"="GPC.ndi"
>Description"="Generic Packet Classifier"
"ComponentId"="ms_gpc"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E974-E325-11CE-BF01-08002BE10318}\{A4819EEC-6BDC-4678-B7B5-728E21B5BE41}\Ndi]

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"Service"="Gpc"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E974-E325-11CE-BF01-08002BE10318}\{A4819EEC-6BDC-4678-B7B5-728E21B5BE41}\Ndi\Interfaces}
"UpperRange"="noupper"
"LowerRange"="nolower"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E974-E325-11CE-BF01-08002BE10318}\{B5EFE19A-BDAB-425D-82CE-42EFF41D521E}]
"Characteristics"=dword:00000080
"InfPath"="netsnman.inf"
"InfSection"="Sanman.ndi"
>Description"="Compaq ServerNet-II Sanman Service"
"ComponentId"="CQ_Sanman"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E974-E325-11CE-BF01-08002BE10318}\{B5EFE19A-BDAB-425D-82CE-42EFF41D521E}\Ndi]
"Service"="Sanman"
"CoServices"=hex(7):53,61,6e,6d,61,6e,00,00
"HelpText"="Compaq System Area Network Manager for configuring and maintaining Network Topologies."
"RequiredAll"="CQ_SnNdis"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E974-E325-11CE-BF01-08002BE10318}\{B5EFE19A-BDAB-425D-82CE-42EFF41D521E}\Ndi\Interfaces}
"UpperRange"="noupper"
"LowerRange"="nolower"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E974-E325-11CE-BF01-08002BE10318}\{C630A733-D4F6-4C4A-B631-856C01743470}]
"Characteristics"=dword:00000028
"InfPath"="netrass.inf"
"InfSection"="Ndi-RasMan"
>Description"="Remote Access Connection Manager"
"ComponentId"="ms_rasman"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E974-E325-11CE-BF01-08002BE10318}\{C630A733-D4F6-4C4A-B631-856C01743470}\Ndi]
"Service"="RasMan"
"CoServices"=hex(7):52,61,73,41,63,64,00,52,61,73,41,75,74,6f,00,00
"ExcludeSetupStartServices"=hex(7):52,61,73,41,63,64,00,52,61,73,41,75,74,6f,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E974-E325-11CE-BF01-08002BE10318}\{C630A733-D4F6-4C4A-B631-856C01743470}\Ndi\Interfaces}
"UpperRange"="noupper"
"LowerRange"="nolower"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E974-E325-11CE-BF01-08002BE10318}\{C6DA8482-608D-4357-A479-F63A298EAPD5}]
"Characteristics"=dword:00000038
"InfPath"="netrass.inf"
"InfSection"="Ndi-RasCli"
>Description"="Dial-Up Client"
"ComponentId"="ms_rascli"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E974-E325-11CE-BF01-08002BE10318}\{C6DA8482-608D-4357-A479-F63A298EAPD5}\Ndi]
"ClsID"="{6e65cbc0-926d-11d0-8e27-00c04fc99dcf}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E974-E325-11CE-BF01-08002BE10318}\{C6DA8482-608D-4357-A479-F63A298EAPD5}\Ndi\Interfaces}
"UpperRange"="noupper"

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"LowerRange"="nolower"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E974-E325-11CE-BF01-08002BE10318}\{D69BA782-645C-4398-BA7F-94316AB5A19B}]
"Characteristics"=dword:00000080
"InfPath"="netserv.inf"
"InfSection"="Install.ndi"
>Description"="File and Printer Sharing for Microsoft Networks"
"ComponentId"="ms_server"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E974-E325-11CE-BF01-08002BE10318}\{D69BA782-645C-4398-BA7F-94316AB5A19B}\Ndi]
"ClsId"="{7F368827-9516-11d0-83D9-00A0C911E5DF}"
"Service"="LanmanServer"
"CoServices"=hex(7):4c,61,6e,6d,61,6e,53,65,72,76,65,72,00,42,72,6f,77,73,65,\
72,00,53,72,76,00,00
"ExcludeSetupStartServices"=hex(7):4c,61,6e,6d,61,6e,53,65,72,76,65,72,00,42,\
72,6f,77,73,65,72,00,53,72,76,00,00
"HelpText"="Allows other computers to access resources on your computer using a
Microsoft network."

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E974-E325-11CE-BF01-08002BE10318}\{D69BA782-645C-4398-BA7F-94316AB5A19B}\Ndi\Interfaces]
"UpperRange"="winnet5"
"LowerRange"="netbios,ipx,netbios_smb"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E974-E325-11CE-BF01-08002BE10318}\{D80F7712-C1DC-412C-A8CB-83C2663ECB56}]
"Characteristics"=dword:00000080
"InfPath"="netviva.inf"
"InfSection"="SnetNic.ndi"
>Description"="Compaq ServerNet-II VIVA Driver"
"ComponentId"="CQ_SnetNic"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E974-E325-11CE-BF01-08002BE10318}\{D80F7712-C1DC-412C-A8CB-83C2663ECB56}\Ndi]
"Service"="SnetNic"
"CoServices"=hex(7):53,6e,65,74,4e,69,63,00,00
"HelpText"="Compaq ServerNet-I Virtual Interface (VI) Protocol."
"RequiredAll"="CQ_sanman"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E974-E325-11CE-BF01-08002BE10318}\{D80F7712-C1DC-412C-A8CB-83C2663ECB56}\Ndi\Interfaces]
"UpperRange"="noupper"
"LowerRange"="nolower"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E974-E325-11CE-BF01-08002BE10318}]
@="Network Protocol"
"Class"="NetTrans"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E974-E325-11CE-BF01-08002BE10318}\{0C6BC2DC-05F2-4D0B-A787-E42866C8BE0D}]
"Characteristics"=dword:00000028
"InfPath"="netrast.inf"
"InfSection"="Ndi-Ndiswan"
>Description"="Remote Access NDIS WAN Driver"
"ComponentId"="ms_ndiswan"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E974-E325-11CE-BF01-08002BE10318}\{0C6BC2DC-05F2-4D0B-A787-E42866C8BE0D}\Ndi]
"ClsId"="{6e65cbc3-926d-11d0-8e27-00c04fc99dcf}"
"Service"="Ndiswan"

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E974-E325-11CE-BF01-08002BE10318}\{0C6BC2DC-05F2-4D0B-A787-E42866C8BE0D}\Ndi\Interfaces]
"UpperRange"="noupper"
"LowerRange"="ndisatm,ndiscowan,ndiswan,ndiswanasync"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E974-E325-11CE-BF01-08002BE10318}\{0C6BC2DC-05F2-4D0B-A787-E42866C8BE0D}\Parameters]
"QoSPriorityThreshold"=dword:00000000
"QoSFragmentSize"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E974-E325-11CE-BF01-08002BE10318}\{56C5D627-B973-4EB7-9DBD-B7B283BC6343}]
"Characteristics"=dword:00000080
"InfPath"="nettcpip.inf"
"InfSection"="MS_TCPIP.PrimaryInstall"
>Description"="Internet Protocol (TCP/IP)"
"ComponentId"="ms_tcpip"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E974-E325-11CE-BF01-08002BE10318}\{56C5D627-B973-4EB7-9DBD-B7B283BC6343}\Ndi]
"ClsId"="{A907657F-6PFD-11D0-8EFB-00C04FD912B2}"
"HelpText"="Transmission Control Protocol/Internet Protocol. The default wide area
network protocol that provides communication across diverse interconnected
networks."
"Service"="Tcpip"
"CoServices"=hex(7):54,63,70,69,70,00,4e,65,74,62,74,00,4c,6d,68,6f,73,74,73,\
00,44,68,63,70,00,44,6e,73,63,61,63,68,65,00,50,6f,6c,69,63,79,41,67,65,6e,\
74,00,00
"ExcludeSetupStartServices"=hex(7):50,6f,6c,69,63,79,41,67,65,6e,74,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E974-E325-11CE-BF01-08002BE10318}\{56C5D627-B973-4EB7-9DBD-B7B283BC6343}\Ndi\Interfaces]
"UpperRange"="tdi"
"LowerRange"="ndis4,ndis5,ndisatm,ndiswanip,ndis5_ip,ndis1394"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E974-E325-11CE-BF01-08002BE10318}\{6020D588-AF60-4D7F-9BE8-9CAC380B1F71}]
"Characteristics"=dword:00000038
"InfPath"="netrast.inf"
"InfSection"="Ndi-L2tpProtocol"
>Description"="Layer 2 Tunneling Protocol"
"ComponentId"="ms_l2tp"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E974-E325-11CE-BF01-08002BE10318}\{6020D588-AF60-4D7F-9BE8-9CAC380B1F71}\Ndi]
"ClsId"="{6e65cbc6-926d-11d0-8e27-00c04fc99dcf}"
"HelpText"="Allows you to securely connect to a private network using the Internet."

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E974-E325-11CE-BF01-08002BE10318}\{6020D588-AF60-4D7F-9BE8-9CAC380B1F71}\Ndi\Interfaces]
"UpperRange"="noupper"
"LowerRange"="nolower"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E974-E325-11CE-BF01-08002BE10318}\{7AF7C15D-4413-458E-8206-D2932FC16C41}]
"Characteristics"=dword:00000038
"InfPath"="netrast.inf"
"InfSection"="Ndi-PptpProtocol"
>Description"="Point to Point Tunneling Protocol"
"ComponentId"="ms_pptp"

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E975-E325-11CE-BF1-08002BE10318}\{7AF7C15D-4413-458E-8206-D2932FC16C41}\Ndi]
"ClsID"="{6e65cbc4-926d-11d0-8e27-00c04fc99dcf}"
"HelpText"="Allows you to securely connect to a private network using the Internet."

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E975-E325-11CE-BF1-08002BE10318}\{7AF7C15D-4413-458E-8206-D2932FC16C41}\Ndi\Interfaces]
"UpperRange"="noupper"
"LowerRange"="nolower"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E975-E325-11CE-BF1-08002BE10318}\{81066153-E0F9-4D61-BB52-21DC6B060C35}]
"Characteristics"=dword:00000028
"InfPath"="nettcpip.inf"
"InfSection"="MS_WINS.PrimaryInstall"
"Description"="WINS Client (TCP/IP) Protocol"
"ComponentId"="ms_netbt"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E975-E325-11CE-BF1-08002BE10318}\{81066153-E0F9-4D61-BB52-21DC6B060C35}\Ndi]
"Service"="NetBT"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E975-E325-11CE-BF1-08002BE10318}\{81066153-E0F9-4D61-BB52-21DC6B060C35}\Ndi\Interfaces]
"UpperRange"="netbios"
"LowerRange"="tdi"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E975-E325-11CE-BF1-08002BE10318}\{EC769C91-FEBC-461F-92D3-6EFC0A6C9329}]
"Characteristics"=dword:00000038
"InfPath"="nettcpip.inf"
"InfSection"="MS_NETBT_SMB.PrimaryInstall"
"Description"="Message-oriented TCP/IP Protocol (SMB session)"
"ComponentId"="ms_netbt_smb"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E975-E325-11CE-BF1-08002BE10318}\{EC769C91-FEBC-461F-92D3-6EFC0A6C9329}\Linkage]
"Bind"=hex(7):00
"Route"=hex(7):00
"Export"=hex(7):5c,44,65,76,69,63,65,5c,4e,65,74,62,69,6f,73,53,6d,62,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E975-E325-11CE-BF1-08002BE10318}\{EC769C91-FEBC-461F-92D3-6EFC0A6C9329}\Ndi]
"BindForm"="NetbiosSmb"
"HelpText"="A protocol layered on TCP/IP which preserves message boundaries. This instance of the protocol is for use by the file sharing protocol."

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Network\{4D36E975-E325-11CE-BF1-08002BE10318}\{EC769C91-FEBC-461F-92D3-6EFC0A6C9329}\Ndi\Interfaces]
"UpperRange"="netbios_smb"
"LowerRange"="nolower"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\NetworkProvider]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\NetworkProvider\Order]
"ProviderOrder"="LanmanWorkstation"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\NetworkProvider\HwOrder]
"ProviderOrder"="LanmanWorkstation"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Nls]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Nls\CodePage]

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"10000"="c_10000.nls"
"10001"="c_10001.nls"
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"10008"="c_10008.nls"
"10010"="c_10010.nls"
"10017"="c_10017.nls"
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"20280"="c_20280.nls"
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"20833"="c_20833.nls"

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"20924"="c_20924.nls"
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"20936"="c_20936.nls"
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"870"="c_870.nls"
"874"="c_874.nls"

"875"="c_875.nls"
"932"="c_932.nls"
"936"="c_936.nls"
"949"="c_949.nls"
"950"="c_950.nls"
"ACP"="1252"
"OEMCP"="437"
"MACCP"="10000"
"OEMHAL"="vgaom.fon"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Nls\CodePage\EUDCCodeRange]
"932"="F040-F9FC"
"936"="AA1-AFFE, F8A1-FEFE, A140-A7A0"
"949"="C9A1-C9FE, FE11-FEFE"
"950"="FA40-FEFE, 8E40-A0FE, 8140-8DFE, C6A1-C8FE"
"Unicode"="E000-F8FF"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Nls\Language]
"0401"="l_intl.nls"
"0402"="l_intl.nls"
"0403"="l_intl.nls"
"0404"="l_intl.nls"
"0405"="l_intl.nls"
"0406"="l_intl.nls"
"0407"="l_intl.nls"
"0408"="l_intl.nls"
"0409"="l_intl.nls"
"040a"="l_intl.nls"
"040b"="l_intl.nls"
"040c"="l_intl.nls"
"040d"="l_intl.nls"
"040e"="l_intl.nls"
"040f"="l_intl.nls"
"0410"="l_intl.nls"
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"0413"="l_intl.nls"
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"0419"="l_intl.nls"
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"041b"="l_intl.nls"
"041c"="l_intl.nls"
"041d"="l_intl.nls"
"041e"="l_intl.nls"
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"042c"="l_intl.nls"
"042d"="l_intl.nls"
"042f"="l_intl.nls"
"0436"="l_intl.nls"

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"043e"="l_intl.nls"
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"0449"="l_intl.nls"
"044e"="l_intl.nls"
"044f"="l_intl.nls"
"0457"="l_intl.nls"
"0801"="l_intl.nls"
"0804"="l_intl.nls"
"0807"="l_intl.nls"
"0809"="l_intl.nls"
"080a"="l_intl.nls"
"080c"="l_intl.nls"
"0810"="l_intl.nls"
"0813"="l_intl.nls"
"0814"="l_intl.nls"
"0816"="l_intl.nls"
"081a"="l_intl.nls"
"081d"="l_intl.nls"
"082c"="l_intl.nls"
"083e"="l_intl.nls"
"0843"="l_intl.nls"
"0c01"="l_intl.nls"
"0c04"="l_intl.nls"
"0c07"="l_intl.nls"
"0c09"="l_intl.nls"
"0c0a"="l_intl.nls"
"0c0c"="l_intl.nls"
"0c1a"="l_intl.nls"
"1001"="l_intl.nls"
"1004"="l_intl.nls"
"1007"="l_intl.nls"
"1009"="l_intl.nls"
"100a"="l_intl.nls"
"100c"="l_intl.nls"
"1401"="l_intl.nls"
"1404"="l_intl.nls"
"1407"="l_intl.nls"
"1409"="l_intl.nls"
"140a"="l_intl.nls"
"140c"="l_intl.nls"
"1801"="l_intl.nls"
"1809"="l_intl.nls"
"180a"="l_intl.nls"
"180c"="l_intl.nls"
"1c01"="l_intl.nls"
"1c09"="l_intl.nls"
"1c0a"="l_intl.nls"
"2001"="l_intl.nls"
"2009"="l_intl.nls"
"200a"="l_intl.nls"
"2401"="l_intl.nls"
"2409"="l_intl.nls"
"240a"="l_intl.nls"
"2801"="l_intl.nls"
"2809"="l_intl.nls"
"280a"="l_intl.nls"
"2c01"="l_intl.nls"

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"2c09"="l_intl.nls"
"2c0a"="l_intl.nls"
"3001"="l_intl.nls"
"3009"="l_intl.nls"
"300a"="l_intl.nls"
"3401"="l_intl.nls"
"3409"="l_intl.nls"
"340a"="l_intl.nls"
"3801"="l_intl.nls"
"380a"="l_intl.nls"
"3c01"="l_intl.nls"
"3c0a"="l_intl.nls"
"4001"="l_intl.nls"
"400a"="l_intl.nls"
"440a"="l_intl.nls"
"480a"="l_intl.nls"
"4c0a"="l_intl.nls"
"500a"="l_intl.nls"
"InstallLanguage"="0409"
"Default"="0409"

```

```

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Nls\Language Groups]
"1"="1"
"2"=""
"3"=""
"4"=""
"5"=""
"6"=""
"7"=""
"8"=""
"9"=""
"a"=""
"b"=""
"c"=""
"d"=""
"e"=""
"f"=""
"10"=""
"11"=""

```

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Nls\Locale]
"(Default)"="00000409"
"00000401"=""
"00000402"=""
"00000403"="1"
"00000404"=""
"00000405"=""
"00000406"="1"
"00000407"="1"
"00000408"=""
"00000409"="1"
"0000040a"="1"
"0000040b"="1"
"0000040c"="1"
"0000040d"=""
"0000040e"=""
"0000040f"="1"
"00000410"="1"
"00000411"=""
"00000412"=""
"00000413"="1"
"00000414"="1"
"00000415"=""

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"00000416"="1"
"00000418"=""
"00000419"=""
"0000041a"=""
"0000041b"=""
"0000041c"=""
"0000041d"="1"
"0000041e"=""
"0000041f"=""
"00000420"=""
"00000421"="1"
"00000422"=""
"00000423"=""
"00000424"=""
"00000425"=""
"00000426"=""
"00000427"=""
"00000429"=""
"0000042a"=""
"0000042b"=""
"0000042c"=""
"0000042d"="1"
"0000042f"=""
"00000436"="1"
"00000437"=""
"00000438"="1"
"00000439"=""
"0000043e"="1"
"0000043f"=""
"00000441"="1"
"00000443"=""
"00000444"=""
"00000449"=""
"0000044e"=""
"0000044f"=""
"00000457"=""
"00000801"=""
"00000804"=""
"00000807"="1"
"00000809"="1"
"0000080a"="1"
"0000080c"="1"
"00000810"="1"
"00000813"="1"
"00000814"="1"
"00000816"="1"
"0000081a"=""
"0000081d"="1"
"0000082c"=""
"0000083e"="1"
"00000843"=""
"00000c01"=""
"00000c04"=""
"00000c07"="1"
"00000c09"="1"
"00000c0a"="1"
"00000c0c"="1"
"00000c1a"=""
"00001001"=""
"00001004"=""
"00001007"="1"
"00001009"="1"
"0000100a"="1"

"0000100c"="1"
"00001401"=""
"00001404"=""
"00001407"="1"
"00001409"="1"
"0000140a"="1"
"0000140c"="1"
"00001801"=""
"00001809"="1"
"0000180a"="1"
"0000180c"="1"
"00001c01"=""
"00001c09"="1"
"00001c0a"="1"
"00002001"=""
"00002009"="1"
"0000200a"="1"
"00002401"=""
"00002409"="1"
"0000240a"="1"
"00002801"=""
"00002809"="1"
"0000280a"="1"
"00002c01"=""
"00002c09"="1"
"00002c0a"="1"
"00003001"=""
"00003009"="1"
"0000300a"="1"
"00003401"=""
"00003409"="1"
"0000340a"="1"
"00003801"=""
"0000380a"="1"
"00003c01"=""
"00003c0a"="1"
"00004001"=""
"0000400a"="1"
"0000440a"="1"
"0000480a"="1"
"00004c0a"="1"
"0000500a"="1"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Nls\Locale\Alternate Sorts]
"0010407"="1"
"00020804"=""
"00020c04"=""
"00021404"=""

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\NTMS]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\NTMS\OMID]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\NTMS\OMID\Tape]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\NTMS\OMID\Tape\HP]

"Description"="HP Media Label Library"
"Path"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,73,79,73,74,65,6d,33,32,\5c,6d,6c,6c,5f,68,70,2e,64,6c,6c,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\NTMS\OMID\Tape\MTF]

"Description"="MTF (Microsoft Tape Format) Media Label Library"
"Path"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,73,79,73,74,65,6d,33,32,\

5c,6d,6c,6c,5f,6d,74,66,2e,64,6c,6c,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\NTMS\OMID\Tape\QIC]
"Description"="QIC (QIC113 Format) Media Label Library"
"Path"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,73,79,73,74,65,6d,33,32,\
5c,6d,6c,6c,5f,71,69,63,2e,64,6c,6c,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\NTMS\Initialized]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\NpP]
"DisableFirmwareMapper"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\NpP\Pci]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\NpP\Pci\CardList]
"Intel 82441FX"=hex:01,00,00,00,86,80,37,12,00,00,00,00,00,00,00,00
"Intel 82439HX"=hex:01,00,00,00,86,80,50,12,00,00,00,00,00,00,00,00
"Intel 82439TX"=hex:01,00,00,00,86,80,00,71,00,00,00,00,00,00,00,00
"Intel 82443LX/EX"=hex:01,00,00,00,86,80,80,71,00,00,00,00,00,00,00,00
"Intel 82443BX1"=hex:01,00,00,00,86,80,90,71,00,00,00,00,00,00,00,00
"Intel 82443BX2"=hex:01,00,00,00,86,80,92,71,00,00,00,00,00,00,00,00
"Intel 82443GX"=hex:01,00,00,00,86,80,a0,71,00,00,00,00,00,00,00,00
"VIA Tech1"=hex:01,00,00,00,06,11,01,05,00,00,00,00,00,00,00,00
"VIA Tech2"=hex:01,00,00,00,06,11,91,06,00,00,00,00,00,00,00,00
"Toshiba"=hex:01,00,00,00,79,11,01,06,00,00,00,00,00,00,00,00
"Ali"=hex:01,00,00,00,b9,10,21,15,00,00,00,00,00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\NpP\PciIrgRouting]
"Options"=dword:0000000f

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\NpP\PciIrgRouting\IrgMiniports]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\NpP\PciIrgRouting\IrgMiniports\
00001078]
"Name"="Cyrix 5520 Rev 0"
"Instance"=dword:0000000e

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\NpP\PciIrgRouting\IrgMiniports\
00020E11]
"Name"="Compaq CMC-2"
"Instance"=dword:0000000d

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\NpP\PciIrgRouting\IrgMiniports\
00021066]
"Name"="Vesuvius"
"Instance"=dword:00000011

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\NpP\PciIrgRouting\IrgMiniports\
00021078]
"Name"="Cyrix 5520 Rev 1"
"Instance"=dword:0000000e

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\NpP\PciIrgRouting\IrgMiniports\
00061004]
"Name"="VLSI"
"Instance"=dword:00000002

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\NpP\PciIrgRouting\IrgMiniports\
00081039]
"Name"="SiS5503"
"Instance"=dword:00000004

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\NpP\PciIrgRouting\IrgMiniports\
0011100B]
"Name"="NS 87560"
"Instance"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\NpP\PciIrgRouting\IrgMiniports\
01021004]
"Name"="VLSI Eagle"
"Instance"=dword:00000005

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\NpP\PciIrgRouting\IrgMiniports\
04828086]
"Name"="Intel 82375EB/SB"
"Instance"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\NpP\PciIrgRouting\IrgMiniports\
04848086]
"Name"="Intel 82378"
"Instance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\NpP\PciIrgRouting\IrgMiniports\
05861106]
"Name"="VT82C586B"
"Instance"=dword:0000000b

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\NpP\PciIrgRouting\IrgMiniports\
05961106]
"Name"="VT82C596B"
"Instance"=dword:0000000b

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\NpP\PciIrgRouting\IrgMiniports\
06021179]
"Name"="Toshiba"
"Instance"=dword:0000000f

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\NpP\PciIrgRouting\IrgMiniports\
06861106]
"Name"="VT82C686B"
"Instance"=dword:0000000b

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\NpP\PciIrgRouting\IrgMiniports\
122E8086]
"Name"="Intel 82371FB"
"Instance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\NpP\PciIrgRouting\IrgMiniports\
12348086]
"Name"="Intel 82371MX"
"Instance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\NpP\PciIrgRouting\IrgMiniports\
152310B9]
"Name"="ALi 1523"
"Instance"=dword:00000006

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\NpP\PciIrgRouting\IrgMiniports\
153310B9]
"Name"="ALi 1533"
"Instance"=dword:00000009

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\NpP\PciIrgRouting\IrgMiniports\
70008086]
"Name"="Intel 82371SB"


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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Print\Environments\Windows NT
x86\Drivers\Version-3]
"Directory"="3"
"MajorVersion"=dword:00000003
"MinorVersion"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Print\Environments\Windows NT
x86\Drivers\Version-3\Apple LaserWriter Pro 810]
"Configuration File"="P5SUI.DLL"
"Data File"="APLW8101.PPD"
"Driver"="PSCRIPT5.DLL"
"Help File"="PSCRIPT.HLP"
"Monitor"=""
"Datatype"=""
"Dependent Files"=hex(7):50,53,43,52,49,50,54,2e,4e,54,46,00,00
"Previous Names"=hex(7):00,90
"Version"=dword:00000003
"TempDir"=dword:00000000
"Manufacturer"="Apple"
"OEM URL"=""
"HardwareID"="appleapple_laserwrit80be"
"Provider"="Microsoft Windows 2000"
"DriverDate"=hex:00,40,99,31,33,2e,bf,01
"DriverVersion"=hex:01,00,87,08,00,00,05,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Print\Environments\Windows NT
x86\Print Processors]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Print\Environments\Windows NT
x86\Print Processors\lprint]
"Driver"="localspl.dll"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Print\Forms]
"US Letter"=hex:5c,4b,03,00,68,43,04,00,00,00,00,00,00,00,00,00,5c,4b,03,00,68,\
43,04,00,01,00,00,02,00,00,00
"US Letter Transverse"=hex:5c,4b,03,00,68,43,04,00,00,00,00,00,00,00,00,00,5c,\
4b,03,00,68,43,04,00,02,00,00,00,02,00,00,00
"US Legal"=hex:5c,4b,03,00,10,6d,05,00,00,00,00,00,00,00,00,00,5c,4b,03,00,10,\
6d,05,00,03,00,00,02,00,00,00
"B4"=hex:97,ec,03,00,23,8e,05,00,00,00,00,00,00,00,00,00,97,ec,03,00,23,8e,05,\
00,04,00,00,00,02,00,00,00
"B5"=hex:11,c7,02,00,97,ec,03,00,00,00,00,00,00,00,00,00,11,c7,02,00,97,ec,03,\
00,05,00,00,00,02,00,00,00
"Postcard"=hex:5d,87,01,00,66,41,02,00,00,00,00,00,00,00,00,00,5d,87,01,00,66,\
41,02,00,06,00,00,00,02,00,00,00
"Comm #10 Envelope"=hex:47,99,01,00,94,ae,03,00,00,00,00,00,00,00,00,00,47,99,\
01,00,94,ae,03,00,07,00,00,00,02,00,00,00
"Monarch Envelope"=hex:79,80,01,00,24,e8,02,00,00,00,00,00,00,00,00,00,79,80,\
01,00,24,e8,02,00,08,00,00,00,02,00,00,00
"DL Envelope"=hex:f3,ad,01,00,e5,5b,03,00,00,00,00,00,00,00,00,00,f3,ad,01,00,\
e5,5b,03,00,09,00,00,00,02,00,00,00
"C5 Envelope"=hex:85,78,02,00,59,7e,03,00,00,00,00,00,00,00,00,00,85,78,02,00,\
59,7e,03,00,0a,00,00,00,02,00,00,00
"US Letter Small"=hex:5c,4b,03,00,68,43,04,00,00,00,00,00,00,00,00,00,5c,4b,03,\
00,68,43,04,00,0b,00,00,00,02,00,00,00
"US Legal Small"=hex:5c,4b,03,00,10,6d,05,00,00,00,00,00,00,00,00,00,5c,4b,03,\
00,10,6d,05,00,0c,00,00,00,02,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Print\Monitors]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Print\Monitors\BJ Language
Monitor]
"Driver"="cnbjmon.dll"

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Print\Monitors\Local Port]
"Driver"="localspl.dll"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Print\Monitors\PJL Language
Monitor]
"Driver"="pj1mon.dll"
"EOJTimeout"=dword:0000ea60

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Print\Monitors\Standard TCP/IP
Port]
"Driver"="tcpmon.dll"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Print\Monitors\Standard TCP/IP
Port\Ports]
"StatusUpdateInterval"=dword:0000000a
"StatusUpdateEnabled"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Print\Monitors\USB Monitor]
"Driver"="usbmon.dll"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Print\PendingUpgrades]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Print\Providers]
"Order"=hex(7):4c,61,6e,4d,61,6e,20,50,72,69,6e,74,20,53,65,72,76,69,63,65,73,\
00,49,6e,74,65,72,6e,65,74,20,50,72,69,6e,74,20,50,72,6f,76,69,64,65,72,00,\
00
"EventLog"=dword:0000001f
"NetPopup"=dword:00000000
"NetPopupToComputer"=dword:00000000
"RetryPopup"=dword:00000001
"RestartJobOnPoolError"=dword:00000258
"RestartJobOnPoolEnabled"=dword:00000001
"LogonTime"=hex:5e,c3,8d,86,d1,78,bf,01

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Print\Providers\Internet Print
Provider]
"DisplayName"="HTTP Print Services"
"Name"="inetpp.dll"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Print\Providers\LanMan Print
Services]
"DisplayName"="LanMan Print Services"
"Name"="win32spl.dll"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Print\Providers\LanMan Print
Services\servers]
"addprinterdrivers"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Print\Printers]
"DefaultSpoolDirectory"="C:\WINNT\System32\spool\PRINTERS"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\PriorityControl]
"Win32PrioritySeparation"=dword:00000018

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\ProductOptions]
"ProductType"="ServerNT"
"ProductSuite"=hex(7):45,6e,74,65,72,70,72,69,73,65,00,54,65,72,6d,69,6e,61,6c,\
20,53,65,72,76,65,72,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList]

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\IDE#C
dRomATAPI_CD-ROM_DRIVE-20X_____]
"CDDAAccurate"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\IDE#C
dRomATAPI_CD-ROM_DRIVE-32X_____]
"CDDAAccurate"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\IDE#C
dRomATAPI_CD-ROM_____]
"ReadSizes"=dword:fffffffef

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\IDE#C
dRomBCD_16XA_CD-ROM_____]
"ReadSizes"=dword:03fff7fe

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\IDE#C
dRomBCD_24XH_CD-ROM_____]
"ReadSizes"=dword:01cdc23d

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\IDE#C
dRomChinon_CD-ROM_CDS-525_____]
"CDDAAccurate"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\IDE#C
dRomCOMPAQ_CD-ROM_CDU611-Q_____]
"ReadSizes"=dword:03effaef

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\IDE#C
dRomCOMPAQ_CRD-8240B_____]
"ReadSizes"=dword:01fffffb

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\IDE#C
dRomCOMPAQ_CRD-8241B_____]
"ReadSizes"=dword:03fffff8

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\IDE#C
dRomCOMPAQ_PD-1_LF-1195C_____]
"ReadSizes"=dword:03fffff8

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\IDE#C
dRomCREATIVE_DVD-ROM_DVD2240E_____]
"ReadSizes"=dword:017ffffb

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\IDE#C
dRomE-IDE_CD-924E/AKM_____]
"CDDAAccurate"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\IDE#C
dRomHITACHI_CDR-7930_____]
"ReadSizes"=dword:0307fff3

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\IDE#C
dRomHITACHI_CDR-8130_____]
"CDDAAccurate"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\IDE#C
dRomHITACHI_CDR-8235_____]
"CDDAAccurate"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\IDE#C
dRomHITACHI_CDR-8335_____]

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"CDDAAccurate"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\IDE#C
dRomLITEON_CD-ROM_LTN301_____]
"ReadSizes"=dword:001371ea

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\IDE#C
dRomLITEON_CD-ROM_LTN301_____]
"CDDAAccurate"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\IDE#C
dRomMATSHITA_CD-ROM_CR-585_____ZB22_____]
"CDDAAccurate"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\IDE#C
dRomNEC_CD-ROM_DRIVE:273_____]
"ReadSizes"=dword:01ffffcf

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\IDE#C
dRomNEC_CD-ROM_DRIVE:282_____3.63_____]
"ReadSizes"=dword:03ffbfff

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\IDE#C
dRomNEC_CD-ROM_DRIVE:282_____4.46_____]
"ReadSizes"=dword:035ffffc

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\IDE#C
dRomNEC_CD-ROM_DRIVE:287_____]
"ReadSizes"=dword:03ffffbe

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\IDE#C
dRomNEC_CD-ROM_DRIVE:288_____]
"ReadSizes"=dword:03ffffdf

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\IDE#C
dRomNEC_CD-ROM_DRIVE:28C_____]
"CDDAAccurate"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\IDE#C
dRomNEC_PD-1_ODX656_____]
"CDDAAccurate"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\IDE#C
dRomPIONEER_CD-ROM_DR-A02S_____]
"ReadSizes"=dword:03e35e14

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\IDE#C
dRomPIONEER_CD-ROM_DR-A04S_____]
"ReadSizes"=dword:03adfe50

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\IDE#C
dRomSAMSUNG_CD-ROM_SCR-2431_____]
"CDDAAccurate"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\IDE#C
dRomSAMSUNG_SCR-2430_ma103_____]
"CDDAAccurate"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\IDE#C
dRomSONY_CD-ROM_CDU611-FJ_____]
"ReadSizes"=dword:03ffffcf

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\IDE#C
dRomSONY_CD-ROM_CDU611_____2.0d_____]
"ReadSizes"=dword:01f73257

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\IDE#C
dRomSONY_CD-ROM_CDU621_____4.0c_____]
"ReadSizes"=dword:03ff0c4e

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\IDE#C
dRomSONY_CD-ROM_CDU621_____]
"ReadSizes"=dword:026fbfef

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\IDE#C
dRomSONY_CD-ROM_CDU711-F_____]
"CDDAAccurate"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\IDE#C
dRomSONY_CD-ROM_CDU711_____1.0g_____]
"CDDAAccurate"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\IDE#C
dRomSONY_CD-ROM_CDU711_____1.1k_____]
"CDDAAccurate"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\IDE#C
dRomTEAC_CD-524E_____]
"ReadSizes"=dword:03ffdf98

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\IDE#C
dRomTORISAN_CD-ROM_CDR_S112_____]
"CDDAAccurate"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\IDE#C
dRomTOSHIBA_CD-ROM_XM-5402TA_____]
"ReadSizes"=dword:02defddf

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\IDE#C
dRomTOSHIBA_CD-ROM_XM-5502TA_____]
"ReadSizes"=dword:03feffff

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\IDE#C
dRomTOSHIBA_CD-ROM_XM-5702B_____]
"CDDAAccurate"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\IDE#C
dRomTOSHIBA_CD-ROM_XM-6002B_____]
"CDDAAccurate"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\IDE#C
dRomTOSHIBA_CD-ROM_XM-6102B_____]
"ReadSizes"=dword:015fff8f

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\IDE#C
dRomTOSHIBA_CD-ROM_XM-6202B_____]
"CDDAAccurate"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\IDE#C
dRomWPI_CDD-1220_ERK_____]
"ReadSizes"=dword:03ffc7d0

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\SCSI#
CdRomNEC_____CD-ROM_DRIVE:461]
"ReadSizes"=dword:01171e3f

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\SCSI#
CdRomNEC_____CD-ROM_DRIVE:463]
"CDDAAccurate"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\SCSI#
CdRomNEC_____CD-ROM_DRIVE:465]
"CDDAAccurate"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\SCSI#
CdRomPIONEER_CD-ROM_DR-U06S_]
"CDDAAccurate"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\SCSI#
CdRomPIONEER_DVD-ROM_DVD-U02R]
"CDDAAccurate"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\SCSI#
CdRomPLEXTOR_CD-ROM_PX-12TS_]
"CDDAAccurate"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\SCSI#
CdRomPLEXTOR_CD-ROM_PX-32TS_]
"ReadSizes"=dword:03fff7ff

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\SCSI#
CdRomPLEXTOR_CD-ROM_PX-4XCE_]
"CDDAAccurate"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Redbook\SpecialTargetList\SCSI#
CdRomPLEXTOR_CD-R_PX-R412C_]
"CDDAAccurate"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot]
"Alternateshell"="cmd.exe"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Minimal]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Minimal\AppMgmt]
@="Service"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Minimal\Base]
@="Driver Group"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Minimal\Boot Bus
Extender]
@="Driver Group"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Minimal\Boot file
system]
@="Driver Group"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Minimal\dmadmin]
@="Service"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Minimal\dmboot.sys]
@="Driver"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Minimal\dmio.sys]
@="Driver"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Minimal\dmload.sys]
@="Driver"

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Minimal\dmserver]
@="Service"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Minimal\EventLog]
@="Service"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Minimal\File system]
@="Driver Group"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Minimal\Filter]
@="Driver Group"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Minimal\Netlogon]
@="Service"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Minimal\PCI
Configuration]
@="Driver Group"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Minimal\PlugPlay]
@="Service"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Minimal\PNP Filter]
@="Driver Group"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Minimal\Primary disk]
@="Driver Group"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Minimal\RpcSs]
@="Service"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Minimal\SCSI Class]
@="Driver Group"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Minimal\sermouse.sys]
@="Driver"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Minimal\sglfb.sys]
@="Driver"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Minimal\System Bus
Extender]
@="Driver Group"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Minimal\tga.sys]
@="Driver"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Minimal\vga.sys]
@="Driver"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Minimal\vgasave.sys]
@="Driver"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Minimal\WinMgmt]
@="Service"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Minimal\{36FC9E60-
C465-11CF-8056-444553540000}]
@="Universal Serial Bus controllers"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Minimal\{4D36E965-
E325-11CE-BFC1-08002BE10318}]

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@="CD-ROM Drive"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Minimal\{4D36E967-
E325-11CE-BFC1-08002BE10318}]
@="DiskDrive"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Minimal\{4D36E969-
E325-11CE-BFC1-08002BE10318}]
@="Standard floppy disk controller"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Minimal\{4D36E96A-
E325-11CE-BFC1-08002BE10318}]
@="Hdc"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Minimal\{4D36E96B-
E325-11CE-BFC1-08002BE10318}]
@="Keyboard"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Minimal\{4D36E96F-
E325-11CE-BFC1-08002BE10318}]
@="Mouse"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Minimal\{4D36E977-
E325-11CE-BFC1-08002BE10318}]
@="PCMCIA Adapters"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Minimal\{4D36E97B-
E325-11CE-BFC1-08002BE10318}]
@="SCSIAdapter"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Minimal\{4D36E97D-
E325-11CE-BFC1-08002BE10318}]
@="System"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Minimal\{4D36E980-
E325-11CE-BFC1-08002BE10318}]
@="Floppy disk drive"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Minimal\{71A27CDD-
812A-11D0-BEC7-08002BE2092F}]
@="Volume"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Minimal\{745A17A0-
74D3-11D0-B6FE-00A0C90F57DA}]
@="Human Interface Devices"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\AFD]
@="Service"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\AppMgmt]
@="Service"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\Base]
@="Driver Group"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\Boot Bus
Extender]
@="Driver Group"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\Boot file
system]

```

```

@="Driver Group"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\Browser]
@="Service"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\Dhcp]
@="Service"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\dmadmin]
@="Service"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\dmboot.sys]
@="Driver"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\dmio.sys]
@="Driver"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\dmload.sys]
@="Driver"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\dmserver]
@="Service"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\DnsCache]
@="Service"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\EventLog]
@="Service"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\File system]
@="Driver Group"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\Filter]
@="Driver Group"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\LanmanServer]
@="Service"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\LanmanWorkstation]
@="Service"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\LmHosts]
@="Service"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\Messenger]
@="Service"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\NBF]
@="Service"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\nbf.sys]
@="Driver"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\NDIS]
@="Driver Group"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\NDIS Wrapper]
@="Driver Group"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\NetBIOS]
@="Service"

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\NetBIOSGroup]
@="Driver Group"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\NetBT]
@="Service"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\NetDDEGroup]
@="Driver Group"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\Netlogon]
@="Service"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\NetMan]
@="Service"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\Network]
@="Driver Group"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\NetworkProvider]
@="Driver Group"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\NtLmSsp]
@="Service"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\PCI Configuration]
@="Driver Group"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\PlugPlay]
@="Service"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\PNP Filter]
@="Driver Group"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\PNP_TDI]
@="Driver Group"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\Primary disk]
@="Driver Group"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\RpcSs]
@="Service"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\SCSI Class]
@="Driver Group"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\sermouse.sys]
@="Driver"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\sglfb.sys]
@="Driver"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\Streams Drivers]
@="Driver Group"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\System Bus Extender]
@="Driver Group"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\Tcpip]
@="Service"

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```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\TDI]
@="Driver Group"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\tga.sys]
@="Driver"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\vga.sys]
@="Driver"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\vgasave.sys]
@="Driver"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\WinMgmt]
@="Service"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\{36FC9E60-
C465-11CF-8056-444553540000}]
@="Universal Serial Bus controllers"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\{4D36E965-
E325-11CE-BFC1-08002BE10318}]
@="CD-ROM Drive"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\{4D36E967-
E325-11CE-BFC1-08002BE10318}]
@="DiskDrive"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\{4D36E969-
E325-11CE-BFC1-08002BE10318}]
@="Standard floppy disk controller"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\{4D36E96A-
E325-11CE-BFC1-08002BE10318}]
@="Hdc"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\{4D36E96B-
E325-11CE-BFC1-08002BE10318}]
@="Keyboard"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\{4D36E96F-
E325-11CE-BFC1-08002BE10318}]
@="Mouse"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\{4D36E972-
E325-11CE-BFC1-08002BE10318}]
@="Net"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\{4D36E973-
E325-11CE-BFC1-08002BE10318}]
@="NetClient"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\{4D36E974-
E325-11CE-BFC1-08002BE10318}]
@="NetService"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\{4D36E975-
E325-11CE-BFC1-08002BE10318}]
@="NetTrans"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\{4D36E977-
E325-11CE-BFC1-08002BE10318}]
@="PCMCIA Adapters"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\{4D36E97B-
E325-11CE-BFC1-08002BE10318}]
@="SCSIAdapter"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\{4D36E97D-
E325-11CE-BFC1-08002BE10318}]
@="System"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\{4D36E980-
E325-11CE-BFC1-08002BE10318}]
@="Floppy disk drive"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\{71A27CDD-
812A-11D0-BEC7-08002BE2092F}]
@="Volume"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\{745A17A0-
74D3-11D0-B6FE-00A0C90F57DA}]
@="Human Interface Devices"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\ScsiPort]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\ScsiPort\SpecialTargetList]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\ScsiPort\SpecialTargetList\Disk
COMPACT32430N_____]
"OneLun"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\ScsiPort\SpecialTargetList\Disk
MICROP_3243-19MZ_Q4D_]
"OneLun"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\ScsiPort\SpecialTargetList\Disk
MICROP_4421-07____052SJ]
"OneLun"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SecurePipeServers]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SecurePipeServers\winreg]
"Description"="Registry Server"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SecurePipeServers\winreg\Allowe
dPaths]
"Machine"=hex(7):53,79,73,74,65,6d,5c,43,75,72,72,65,6e,74,43,6f,6e,74,72,6f,\
6c,53,65,74,5c,43,6f,6e,74,72,6f,6c,5c,50,72,6f,64,75,63,74,4f,70,74,69,6f,\
6e,73,00,53,79,73,74,65,6d,5c,43,75,72,72,65,6e,74,43,6f,6e,74,72,6f,6c,53,\
65,74,5c,43,6f,6e,74,72,6f,6c,5c,50,72,69,6e,74,5c,50,72,69,6e,74,65,72,73,\
00,53,79,73,74,65,6d,5c,43,75,72,72,65,6e,74,43,6f,6e,74,72,6f,6c,53,65,74,\
5c,43,6f,6e,74,72,6f,6c,5c,53,65,72,76,69,63,65,73,5c,45,76,65,6e,74,6c,6f,67,00,53,6f,66,\
6f,6e,74,5c,53,65,72,76,69,63,65,73,5c,45,76,65,6e,74,6c,6f,67,00,53,6f,66,\
74,77,61,72,65,5c,4d,69,63,72,6f,73,6f,66,74,5c,4f,4c,41,50,20,53,65,72,76,\
65,72,00,53,6f,66,74,77,61,72,65,5c,4d,69,63,72,6f,73,6f,66,74,5c,57,69,6e,\
64,6f,77,73,20,4e,54,5c,43,75,72,72,65,6e,74,56,65,72,73,69,6f,6e,00,53,79,\
73,74,65,6d,5c,43,75,72,72,65,6e,74,43,6f,6e,74,72,6f,6c,53,65,74,5c,43,6f,\
6e,74,72,6f,6c,5c,43,6f,6e,74,65,6e,74,49,6e,64,65,78,00,53,79,73,74,65,6d,\
5c,43,75,72,72,65,6e,74,43,6f,6e,74,72,6f,6c,53,65,74,5c,43,6f,6e,74,72,6f,\
6c,5c,54,65,72,6d,69,6e,61,6c,20,53,65,72,76,65,72,00,53,79,73,74,65,6d,5c,\
43,75,72,72,65,6e,74,43,6f,6e,74,72,6f,6c,53,65,74,5c,43,6f,6e,74,72,6f,6c,\
5c,54,65,72,6d,69,6e,61,6c,20,53,65,72,76,65,72,5c,55,73,65,72,43,6f,6e,66,\
69,67,00,53,79,73,74,65,6d,5c,43,75,72,72,65,6e,74,43,6f,6e,74,72,6f,6c,53,\
65,74,5c,43,6f,6e,74,72,6f,6c,5c,54,65,72,6d,69,6e,61,6c,20,53,65,72,76,65,\
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72,5c,44,65,66,61,75,6c,74,55,73,65,72,43,6f,6e,66,69,67,75,72,61,74,69,6f,\
6e,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SecurityProviders]
"SecurityProviders"="msapsspc.dll, schannel.dll, digest.dll, msnsspc.dll"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SecurityProviders\SaslProfiles]
"GSSAPI"="Kerberos"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SecurityProviders\SCHANNEL]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SecurityProviders\SCHANNEL\Ciphers]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SecurityProviders\SCHANNEL\Hashes]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SecurityProviders\SCHANNEL\KeyExchangeAlgorithms]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SecurityProviders\SCHANNEL\Protocols]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Server Applications]
"{E26D02A1-4C1F-11D1-9AA1-00C04FC3357A}"="Telephony"
"{95AD72F0-44CE-11D0-AE29-00AA004B9986}"="Indexing Service"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\ServiceGroupOrder]
"List"=hex(7):53,79,73,74,65,6d,20,52,65,73,65,72,76,65,64,00,42,6f,6f,74,20,\
42,75,73,20,45,78,74,65,6e,64,65,72,00,53,79,73,74,65,6d,20,42,75,73,20,45,\
78,74,65,6e,64,65,72,00,53,43,53,49,20,6d,69,6e,69,70,6f,72,74,00,70,6f,72,\
74,00,50,72,69,6d,61,72,79,20,64,69,73,6b,00,53,43,53,49,20,63,6c,61,73,73,\
00,53,43,53,49,20,43,44,52,4f,4d,20,63,6c,61,73,73,00,66,69,6c,74,65,72,00,\
62,6f,6f,74,20,66,69,6c,65,20,73,79,73,74,65,6d,00,42,61,73,65,00,50,6f,69,\
6e,74,65,72,20,50,6f,72,74,00,4b,65,79,62,6f,61,72,64,20,50,6f,72,74,00,50,\
6f,69,6e,74,65,72,20,43,6c,61,73,73,00,4b,65,79,62,6f,61,72,64,20,43,6c,61,\
73,73,00,56,69,64,65,6f,20,49,6e,69,74,00,56,69,64,65,6f,00,56,69,64,65,6f,\
20,53,61,76,65,00,66,69,6c,65,20,73,79,73,74,65,6d,00,45,76,65,6e,74,20,6c,\
6f,67,00,53,74,72,65,61,6d,73,20,44,72,69,76,65,72,73,00,4e,44,49,53,20,57,\
72,61,70,70,65,72,00,50,4e,50,5f,54,44,49,00,4e,44,49,53,00,54,44,49,00,4e,\
65,74,42,49,4f,53,47,72,6f,75,70,00,50,6c,75,67,50,6c,61,79,00,53,70,6f,6f,\
6c,65,72,47,72,6f,75,70,00,4e,65,74,44,44,45,47,72,6f,75,70,00,50,61,72,61,\
6c,6c,65,6c,20,61,72,62,69,74,72,61,74,6f,72,00,65,78,74,65,6e,64,65,64,20,\
62,61,73,65,00,52,65,6d,6f,74,65,56,61,6c,69,64,61,74,69,6f,6e,00,50,43,49,\
20,43,6f,6e,66,69,67,75,72,61,74,69,6f,6e,00,4d,53,20,54,72,61,6e,73,61,63,\
74,69,6f,6e,73,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\ServiceProvider]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\ServiceProvider\Order]
"ExcludedProviders"=""
"ProviderOrder"=hex(7):54,63,70,69,70,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session Manager]
"BootExecute"=hex(7):61,75,74,6f,63,68,65,63,6b,20,61,75,74,6f,63,68,6b,20,2a,\
00,44,66,73,49,6e,69,74,00,00
"CriticalSectionTimeout"=dword:00278d00
"EnableMCA"=dword:00000001
"EnableMCE"=dword:00000000
"ExcludeFromKnownDlls"=hex(7):00
"GlobalFlag"=dword:00000000
"HeapDeCommitFreeBlockThreshold"=dword:00000000
"HeapDeCommitTotalFreeThreshold"=dword:00000000

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"HeapSegmentCommit"=dword:00000000
"HeapSegmentReserve"=dword:00000000
"ObjectDirectories"=hex(7):5c,57,69,6e,64,6f,77,73,00,5c,52,50,43,20,43,6f,6e,\
74,72,6f,6c,00,00
"ProtectionMode"=dword:00000001
"ResourceTimeoutCount"=dword:0009e340
"ProcessorControl"=dword:00000002
"RegisteredProcessors"=dword:00000008
"LicensedProcessors"=dword:00000008

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session Manager\AppCompatibility]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session Manager\AppCompatibility\301bjdlx.exe]
"192"=hex:0c,00,00,00,5b,4e,00,00,01,00,00,00,02,00,00,00,04,00,00,00,cc,6b,79,\
00,0a,00,00,00,04,00,00,00,22,f4,ec,db,00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session Manager\AppCompatibility\acad.exe]
"462"=hex:0c,00,00,00,00,00,00,00,06,00,00,00,04,00,00,00,10,00,00,00,00,00,\
00,00,00,15,00,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,0f,00,00,00,28,00,00,00,41,00,75,00,\
74,00,6f,00,43,00,41,00,44,00,20,00,41,00,70,00,70,00,6c,00,69,00,63,00,61,\
00,74,00,69,00,6f,00,6e,00,00,00,00,00,00,00,00,00,00

"DllPatch-462"="shcmm.dll 3-(gdi6.hdi)"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session Manager\AppCompatibility\ACMSETUP.EXE]
"282"=hex:0c,00,00,00,00,00,00,00,06,00,00,00,05,00,00,00,10,00,00,00,6b,1f,00,\
00,01,00,03,00,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,0c,00,00,00,2c,00,00,00,4d,00,69,00,\
63,00,72,00,6f,00,73,00,6f,00,66,00,74,00,20,00,43,00,6f,00,72,00,70,00,6f,\
00,72,00,61,00,74,00,69,00,6f,00,6e,00,00,00,00,00,00,00,00,00

"DllPatch-282"="shcmm.dll 7"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session Manager\AppCompatibility\addplwiz.exe]
"274"=hex:0c,00,00,00,00,00,00,00,06,00,00,00,04,00,00,00,10,00,00,00,60,00,0f,\
00,00,00,06,00,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,0f,00,00,00,4e,00,00,00,41,00,75,00,\
74,00,6f,00,64,00,65,00,73,00,6b,00,20,00,48,00,61,00,72,00,64,00,63,00,6f,\
00,70,00,79,00,20,00,41,00,64,00,64,00,2d,00,41,00,2d,00,50,00,6c,00,6c,00,6f,00,\
74,00,74,00,65,00,72,00,20,00,57,00,69,00,7a,00,61,00,72,00,64,00,00,00,00,\
00,00,00

"DllPatch-274"="shcmm.dll 5"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session Manager\AppCompatibility\ALBUM.EXE]
"281"=hex:0c,00,00,00,00,00,00,00,06,00,00,00,02,00,00,00,04,00,00,00,b2,16,\
00,0a,00,00,00,04,00,00,00,aa,fb,14,ca,00,00,00,00

"DllPatch-281"="shcmm.dll 11"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session Manager\AppCompatibility\AOL.EXE]
"1"=hex:0c,00,00,00,00,41,4e,00,00,03,00,00,00,15,00,00,00,08,00,00,00,00,00,\
00,00,03,00,04,01,00,00,00,18,00,00,00,61,00,6f,00,6c,00,63,00,6f,00,6d,00,\
6d,00,2e,00,64,00,6c,00,6c,00,00,00,00,00,00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session Manager\AppCompatibility\AUTOPLAY.EXE]
"194"=hex:0c,00,00,00,00,00,00,00,05,00,00,00,01,00,00,00,28,00,00,00,2e,00,2e,\
00,5c,00,49,00,4e,00,53,00,54,00,41,00,4c,00,4c,00,5c,00,4d,00,47,00,58,00,\
46,00,4d,00,41,00,2e,00,5a,00,00,00,03,00,00,00,04,00,00,00,00,00,00,00,00,01,\
00,00,00,1a,00,00,00,2e,00,2e,00,5c,00,44,00,52,00,41,00,57,00,35,00,2e,00,\
49,00,44,00,31,00,00,00,00,00,00,00,00,00

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"198"=hex:0c,00,00,00,00,00,00,00,05,00,00,00,01,00,00,00,40,00,00,00,41,00,64,\
00,6f,00,62,00,65,00,20,00,49,00,6c,00,6c,00,75,00,73,00,74,00,72,00,61,00,\
74,00,6f,00,72,00,20,00,38,00,2e,00,30,00,5c,00,53,00,45,00,54,00,55,00,50,\
00,2e,00,50,00,4b,00,47,00,00,00,02,00,00,00,04,00,00,00,09,56,00,00,0a,00,\
00,00,04,00,00,00,1b,52,ca,68,00,00,00,00
"304"=hex:0c,00,00,00,00,00,00,00,05,00,00,00,0e,00,00,00,1e,00,00,00,54,00,4d,\
00,45,00,20,00,31,00,30,00,20,00,4e,00,65,00,74,00,56,00,69,00,65,00,77,00,\
00,00,10,00,00,00,0a,00,00,00,56,00,35,00,2e,00,31,00,00,00,01,00,00,00,18,\
00,00,00,6e,00,76,00,66,00,69,00,6c,00,65,00,73,00,2e,00,76,00,35,00,30,00,\
00,00,02,00,00,00,04,00,00,00,04,d1,02,00,0a,00,00,00,04,00,00,00,ff,81,89,\
00,01,00,00,00,18,00,00,00,6e,00,65,00,74,00,76,00,69,00,65,00,77,00,2e,00,\
70,00,64,00,66,00,00,00,00,00,00
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\AUTORUN.EXE]
"436"=hex:0c,00,00,00,00,5b,4e,00,00,01,00,00,00,01,00,00,00,3c,00,00,00,43,00,44,\
00,43,00,52,00,45,00,41,00,54,00,52,00,5c,00,45,00,4e,00,47,00,4c,00,49,00,\
53,00,48,00,5c,00,64,00,69,00,73,00,6b,00,31,00,5c,00,64,00,61,00,74,00,61,\
00,2e,00,31,00,00,00,02,00,00,00,04,00,00,00,2e,c8,07,00,0a,00,00,00,04,00,\
00,00,94,c7,1e,8f,00,00,00,00
"527"=hex:0c,00,00,00,00,5b,4e,00,00,01,00,00,00,01,00,00,00,48,00,00,00,43,00,44,\
00,43,00,72,00,65,00,61,00,74,00,72,00,5c,00,45,00,4e,00,47,00,4c,00,49,00,\
53,00,48,00,5c,00,64,00,69,00,73,00,6b,00,31,00,5c,00,61,00,73,00,70,00,69,\
00,69,00,6e,00,73,00,74,00,2e,00,65,00,78,00,65,00,00,02,00,00,00,04,00,\
00,00,e6,0f,03,00,0a,00,00,00,04,00,00,00,c5,32,41,d3,01,00,00,00,3c,00,00,\
00,43,00,44,00,43,00,72,00,65,00,61,00,74,00,72,00,5c,00,45,00,4e,00,47,00,\
4c,00,49,00,53,00,48,00,5c,00,64,00,69,00,73,00,6b,00,31,00,5c,00,64,00,61,\
00,74,00,61,00,2e,00,31,00,00,00,02,00,00,00,04,00,00,00,ee,c7,07,00,0a,00,\
00,00,04,00,00,00,bb,e7,a8,17,00,00,00,00
"185"=hex:0c,00,00,00,00,7b,0d,03,00,01,00,00,00,01,00,00,00,38,00,00,00,4a,00,61,\
00,70,00,61,00,6e,00,65,00,73,00,65,00,5c,00,64,00,69,00,73,00,6b,00,31,00,\
5c,00,61,00,73,00,70,00,69,00,69,00,6e,00,73,00,74,00,2e,00,65,00,78,00,65,\
00,00,00,02,00,00,00,04,00,00,00,f2,19,03,00,0d,00,00,00,18,00,00,00,34,00,\
2e,00,36,00,30,00,20,00,28,00,31,00,30,00,31,00,37,00,29,00,00,00,01,00,00,\
00,18,00,00,00,41,00,75,00,74,00,6f,00,72,00,75,00,6e,00,72,00,69,00,6e,00,\
66,00,00,00,01,00,00,00,1a,00,00,00,63,00,64,00,77,00,2e,00,69,00,74,00,65,\
00,72,00,2e,00,69,00,63,00,6f,00,00,00,02,00,00,00,04,00,00,00,36,04,00,00,\
0a,00,00,00,04,00,00,00,de,ae,a9,74,01,00,00,00,14,00,00,00,73,00,65,00,74,\
00,75,00,70,00,2e,00,65,00,78,00,65,00,00,00,01,00,00,00,14,00,00,00,73,00,\
65,00,74,00,75,00,70,00,2e,00,69,00,6e,00,69,00,00,00,00,00,00
"125"=hex:0c,00,00,00,26,4e,00,00,03,00,00,00,01,00,00,00,3a,00,00,00,2e,00,2e,\
00,5c,00,4c,00,4f,00,54,00,55,00,53,00,5c,00,53,00,43,00,52,00,4e,00,43,00,\
41,00,4d,00,5c,00,53,00,43,00,52,00,4e,00,43,00,41,00,4d,00,2e,00,45,00,58,\
00,45,00,00,00,05,00,00,00,10,00,00,00,00,00,00,00,00,00,03,00,ff,ff,ff,ff,\
ff,ff,ff,ff,00,00,00,00
"312"=hex:0c,00,00,00,26,4e,00,00,01,00,00,00,01,00,00,00,16,00,00,00,61,00,75,\
00,74,00,6f,00,63,00,68,00,2e,00,64,00,6c,00,6c,00,69,00,00,01,00,00,00,18,00,\
00,00,41,00,55,00,54,00,4f,00,52,00,55,00,4e,00,2e,00,44,00,4c,00,4c,00,00,\
00,01,00,00,00,14,00,00,00,4c,00,4f,00,54,00,55,00,53,00,2e,00,57,00,41,00,\
56,00,00,00,02,00,00,00,04,00,00,00,b8,5a,03,00,0a,00,00,00,04,00,00,00,84,\
2d,02,67,01,00,00,00,14,00,00,00,53,00,55,00,49,00,54,00,45,00,2e,00,49,00,\
43,00,4f,00,00,00,02,00,00,00,04,00,00,00,fe,02,00,00,0a,00,00,00,04,00,00,\
00,2e,0b,af,64,00,00,00,00
"330"=hex:0c,00,00,00,20,4e,00,00,01,00,00,00,01,00,00,00,26,00,00,00,56,00,53,\
00,43,00,41,00,4e,00,5c,00,57,00,49,00,4e,00,4e,00,54,00,5c,00,4a,00,41,00,\
54,00,41,00,2e,00,5a,00,00,00,02,00,00,00,04,00,00,00,49,04,27,00,0a,00,00,\
00,04,00,00,00,e0,4e,e6,18,01,00,00,00,32,00,00,00,56,00,53,00,43,00,41,00,\
4e,00,5c,00,57,00,49,00,4e,00,4e,00,54,00,5c,00,56,00,4e,00,54,00,44,00,4f,\
00,43,00,32,00,35,00,2e,00,50,00,44,00,46,00,00,00,02,00,00,00,00,04,00,00,\
49,9e,08,00,0a,00,00,00,04,00,00,00,21,ad,a7,24,00,00,00,00,00
"484"=hex:0c,00,00,00,20,4e,00,00,02,00,00,00,01,00,00,00,36,00,00,00,2e,00,2e,\
00,5c,00,57,00,49,00,4e,00,4e,00,54,00,5c,00,49,00,4e,00,54,00,45,00,4c,00,\
5c,00,56,00,53,00,43,00,41,00,4e,00,4e,00,54,00,2e,00,50,00,44,00,46,00,00,\

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00,01,00,00,00,2c,00,00,00,2e,00,2e,00,5c,00,57,00,49,00,4e,00,4e,00,54,00,\
5c,00,49,00,4e,00,54,00,45,00,4c,00,5c,00,44,00,41,00,54,00,41,00,2e,00,5a,\
00,00,00,02,00,00,00,04,00,00,00,97,b3,3f,00,0a,00,00,00,04,00,00,00,f0,89,\
94,34,00,00,00,00
"178"=hex:0c,00,00,00,47,4e,00,00,01,00,00,00,01,00,00,00,68,00,00,00,4d,00,61,\
00,6e,00,75,00,61,00,6c,00,5c,00,50,00,65,00,61,00,63,00,68,00,74,00,72,00,\
65,00,65,00,20,00,4f,00,66,00,66,00,69,00,63,00,65,00,20,00,41,00,63,00,63,\
00,6f,00,75,00,6e,00,74,00,69,00,6e,00,67,00,20,00,55,00,73,00,65,00,72,00,\
27,00,73,00,20,00,47,00,75,00,69,00,64,00,65,00,2e,00,70,00,64,00,66,00,00,\
00,02,00,00,00,00,04,00,00,00,cd,d6,9a,00,0a,00,00,00,04,00,00,00,aa,7a,e7,6c,\
01,00,00,00,14,00,00,00,53,00,45,00,54,00,55,00,50,00,2e,00,49,00,4e,00,49,\
00,00,00,02,00,00,00,04,00,00,00,00,4f,00,00,00,0a,00,00,00,04,00,00,00,79,67,\
c4,2b,00,00,00,00
"128"=hex:0c,00,00,00,74,4e,00,00,02,00,00,00,01,00,00,00,1e,00,00,00,44,00,41,\
00,54,00,41,00,5c,00,4d,00,45,00,4e,00,55,00,31,00,2e,00,44,00,41,00,50,00,\
00,00,0a,00,00,00,04,00,00,00,75,68,82,67,00,00,00,00
"154"=hex:0c,00,00,00,00,00,00,00,05,00,00,00,02,00,00,00,04,00,00,00,82,02,\
00,0a,00,00,00,04,00,00,00,e8,bb,44,17,01,00,00,00,26,00,00,00,43,00,57,00,\
4f,00,66,00,66,00,69,00,63,00,65,00,5c,00,73,00,65,00,74,00,75,00,70,00,2e,\
00,6c,00,69,00,64,00,00,00,02,00,00,00,04,00,00,31,00,00,00,0a,00,00,00,\
04,00,00,00,78,ea,9a,03,01,00,00,00,24,00,00,00,43,00,57,00,4f,00,66,00,66,\
00,69,00,63,00,65,00,5c,00,6c,00,61,00,6e,00,67,00,2e,00,64,00,61,00,74,00,\
00,00,02,00,00,00,04,00,00,00,cd,11,00,00,0a,00,00,00,04,00,00,00,80,b6,b3,\
f0,01,00,00,00,24,00,00,00,43,00,57,00,4f,00,66,00,66,00,69,00,63,00,65,00,\
5c,00,44,00,41,00,54,00,41,00,2e,00,54,00,41,00,47,00,00,00,02,00,00,00,04,\
00,00,00,70,00,00,00,0a,00,00,00,04,00,00,00,df,59,88,93,01,00,00,00,22,00,\
00,00,43,00,57,00,4f,00,66,00,66,00,69,00,63,00,65,00,5c,00,63,00,77,00,35,\
00,2e,00,69,00,63,00,6f,00,00,00,02,00,00,00,04,00,00,00,ae,1b,00,00,0a,00,\
00,00,04,00,00,00,1a,51,18,0c,01,00,00,00,28,00,00,00,43,00,57,00,4f,00,66,\
00,66,00,69,00,63,00,65,00,5c,00,5f,00,53,00,45,00,54,00,55,00,50,00,2e,00,\
00,44,00,4c,00,4c,00,00,00,02,00,00,00,04,00,00,00,2c,00,00,00,0a,00,00,00,04,\
00,00,00,2d,9b,35,54,01,00,00,00,28,00,00,00,43,00,57,00,4f,00,66,00,66,00,\
69,00,63,00,65,00,5c,00,5f,00,49,00,53,00,44,00,45,00,4c,00,2e,00,45,00,58,\
00,45,00,00,00,02,00,00,00,04,00,00,00,20,00,00,0a,00,00,00,04,00,00,00,\
d2,7f,9d,fb,01,00,00,00,2c,00,00,00,43,00,57,00,4f,00,66,00,66,00,69,00,63,\
00,65,00,5c,00,5f,00,49,00,4e,00,53,00,54,00,33,00,32,00,49,00,2e,00,45,00,\
58,00,5f,00,00,00,02,00,00,00,04,00,00,00,85,e2,04,00,0a,00,00,00,04,00,00,\
00,61,62,e4,b7,01,00,00,00,26,00,00,00,43,00,57,00,4f,00,66,00,66,00,69,00,\
63,00,65,00,5c,00,53,00,45,00,54,00,55,00,50,00,2e,00,45,00,58,00,45,00,00,\
00,02,00,00,00,04,00,00,00,ea,00,00,0a,00,00,00,04,00,00,00,a7,3f,45,00,\
00,00,00,00
"168"=hex:0c,00,00,00,77,4e,00,00,01,00,00,00,01,00,00,00,14,00,00,00,53,00,45,\
00,54,00,55,00,50,00,2e,00,54,00,58,00,54,00,00,00,01,00,00,00,18,00,00,\
56,00,42,00,39,00,38,00,5f,00,43,00,44,00,2e,00,49,00,43,00,4f,00,00,00,02,\
00,00,00,04,00,00,00,e6,1c,00,00,01,00,00,00,18,00,00,00,41,00,55,00,54,00,\
4f,00,52,00,55,00,4e,00,2e,00,42,00,4d,00,50,00,00,00,02,00,00,00,04,00,00,\
00,b6,5d,03,00,0a,00,00,00,04,00,00,00,ae,fb,b9,37,01,00,00,00,18,00,00,00,\
41,00,55,00,54,00,4f,00,52,00,55,00,4e,00,2e,00,49,00,4e,00,46,00,00,00,02,\
00,00,00,04,00,00,00,d5,00,00,00,0a,00,00,00,04,00,00,00,51,14,36,37,00,00,\
00,00
"169"=hex:0c,00,00,00,78,4e,00,00,01,00,00,00,01,00,00,00,16,00,00,00,5f,00,49,\
00,53,00,44,00,45,00,4c,00,2e,00,45,00,58,00,45,00,00,00,01,00,00,00,1a,00,\
00,00,5f,00,49,00,4e,00,53,00,54,00,33,00,32,00,49,00,2e,00,45,00,58,00,5f,\
00,00,00,01,00,00,00,14,00,00,00,53,00,45,00,54,00,50,00,50,00,2e,00,45,00,\
58,00,45,00,00,00,01,00,00,00,14,00,00,00,53,00,45,00,54,00,55,00,50,00,2e,\
00,49,00,4e,00,53,00,00,00,01,00,00,00,12,00,00,00,56,00,43,00,44,00,52,00,\
4f,00,4d,00,2e,00,5a,00,00,00,0a,00,00,00,04,00,00,00,67,8d,f2,3b,01,00,00,\
00,18,00,00,00,56,00,43,00,44,00,44,00,45,00,4d,00,4f,00,2e,00,46,00,43,00,\
44,00,00,00,0a,00,00,00,04,00,00,00,59,e9,88,76,00,00,00,00
"171"=hex:0c,00,00,00,78,4e,00,00,01,00,00,00,01,00,00,00,1a,00,00,00,5f,00,49,\
00,4e,00,53,00,54,00,33,00,32,00,49,00,2e,00,45,00,58,00,5f,00,00,00,01,00,\
00,00,16,00,00,00,5f,00,49,00,53,00,44,00,45,00,4c,00,2e,00,45,00,58,00,45,\
00,00,00,01,00,00,00,16,00,00,00,5f,00,53,00,45,00,54,00,55,00,50,00,2e,00,\

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4c,00,49,00,42,00,00,01,00,00,14,00,00,00,53,00,45,00,54,00,55,00,50,\
00,2e,00,49,00,4e,00,53,00,00,01,00,00,12,00,00,56,00,43,00,44,00,\
52,00,4f,00,4d,00,2e,00,5a,00,00,02,00,00,04,00,00,00,bb,06,29,00,01,\
00,00,00,18,00,00,00,56,00,43,00,44,00,64,00,65,00,6d,00,6f,00,2e,00,46,00,\
43,00,44,00,00,0a,00,00,04,00,00,00,59,e9,88,76,01,00,00,00,18,00,00,\
00,61,00,75,00,74,00,6f,00,72,00,75,00,6e,00,2e,00,69,00,6e,00,66,00,00,\
00,00,00,00
"202"=hex:0c,00,00,00,00,00,00,00,05,00,00,01,00,00,1e,00,00,00,43,00,44,\
00,5c,00,58,00,53,00,45,00,52,00,56,00,45,00,52,00,2e,00,4c,00,49,00,42,00,\
00,00,01,00,00,00,1c,00,00,00,43,00,44,00,5c,00,50,00,43,00,58,00,44,00,4f,\
00,43,00,2e,00,4c,00,49,00,42,00,00,02,00,00,00,04,00,00,00,ca,2c,0b,00,\
0a,00,00,00,04,00,00,00,24,cd,86,59,00,00,00,00
"376"=hex:0c,00,00,00,03,00,00,00,05,00,00,01,00,00,14,00,00,00,6d,00,65,\
00,63,00,68,00,33,00,2e,00,69,00,63,00,6f,00,00,00,02,00,00,00,04,00,00,00,\
fe,02,00,00,0a,00,00,00,04,00,00,00,2e,7d,37,9c,00,00,00,00
"378"=hex:0c,00,00,00,84,4e,00,00,01,00,00,0d,00,00,00,0a,00,00,00,34,00,2e,\
00,30,00,30,00,00,0e,00,00,00,5a,00,00,00,4d,00,69,00,63,00,72,00,6f,00,\
73,00,6f,00,66,00,74,00,28,00,52,00,29,00,20,00,57,00,69,00,6e,00,64,00,6f,\
00,77,00,73,00,20,00,4e,00,54,00,28,00,54,00,4d,00,29,00,20,00,4f,00,70,00,\
65,00,72,00,61,00,74,00,69,00,6e,00,67,00,20,00,53,00,79,00,73,00,74,00,65,\
00,6d,00,00,00,00,00,00,00
"380"=hex:0c,00,00,00,81,4e,00,00,01,00,00,01,00,00,22,00,00,00,69,00,6e,\
00,73,00,74,00,61,00,6c,00,6c,00,5c,00,64,00,61,00,74,00,61,00,2e,00,74,00,\
61,00,67,00,00,00,02,00,00,00,04,00,00,00,80,00,00,00,0a,00,00,00,04,00,00,\
00,44,dd,25,ce,01,00,00,00,24,00,00,00,69,00,6e,00,73,00,74,00,61,00,6c,00,\
6c,00,5c,00,64,00,61,00,74,00,61,00,31,00,2e,00,63,00,61,00,62,00,00,02,\
00,00,00,04,00,00,00,af,07,69,02,0a,00,00,00,04,00,00,00,4d,fd,2c,44,00,00,\
00,00
"382"=hex:0c,00,00,00,81,4e,00,00,01,00,00,01,00,00,2a,00,00,00,69,00,6e,\
00,73,00,74,00,61,00,6c,00,6c,00,5c,00,73,00,63,00,61,00,6e,00,73,00,6f,00,\
66,00,74,00,2e,00,69,00,6e,00,69,00,00,00,02,00,00,04,00,00,00,9d,00,00,\
00,0a,00,00,00,04,00,00,00,c3,0e,30,9f,01,00,00,00,24,00,00,00,69,00,6e,00,\
73,00,74,00,61,00,6c,00,6c,00,5c,00,64,00,61,00,74,00,61,00,31,00,2e,00,63,\
00,61,00,62,00,00,00,02,00,00,00,04,00,00,00,2c,e8,be,01,0a,00,00,00,04,00,\
00,00,45,7c,20,3e,00,00,00,00
"392"=hex:0c,00,00,00,51,4e,00,00,01,00,00,01,00,00,3e,00,00,00,53,00,4d,\
00,53,00,53,00,45,00,54,00,55,00,50,00,5c,00,42,00,49,00,4e,00,5c,00,49,00,\
33,00,38,00,36,00,5c,00,53,00,4d,00,53,00,5f,00,4d,00,41,00,44,00,43,00,2e,\
00,44,00,4c,00,4c,00,00,00,15,00,00,00,08,00,00,00,cf,07,64,05,00,00,02,00,\
00,00,00,00
"396"=hex:0c,00,00,00,51,4e,00,00,01,00,00,01,00,00,18,00,00,00,73,00,6e,\
00,61,00,73,00,61,00,63,00,63,00,2e,00,64,00,6c,00,6c,00,00,00,15,00,00,00,\
08,00,00,00,39,02,00,00,00,00,00,04,00,00,00,00
"488"=hex:0c,00,00,00,74,4e,00,00,01,00,00,01,00,00,14,00,00,00,53,00,45,\
00,54,00,55,00,50,00,2e,00,45,00,58,00,45,00,00,02,00,00,00,04,00,00,00,\
00,80,5d,00,0a,00,00,00,04,00,00,13,55,1d,b8,0e,00,00,00,12,00,00,00,5a,\
00,69,00,70,00,4d,00,61,00,67,00,69,00,63,00,00,00,00,00,00
"524"=hex:0c,00,00,00,7e,4e,00,00,02,00,00,01,00,00,2a,00,00,00,2e,00,2e,\
00,5c,00,57,00,49,00,4e,00,5f,00,33,00,32,00,5c,00,43,00,4f,00,50,00,52,00,\
47,00,31,00,33,00,32,00,2e,00,5a,00,00,00,02,00,00,04,00,00,00,97,59,04,\
00,0a,00,00,00,04,00,00,00,95,f4,63,1d,01,00,00,00,2a,00,00,00,2e,00,2e,00,\
5c,00,57,00,49,00,4e,00,5f,00,33,00,32,00,5c,00,43,00,4f,00,45,00,54,00,43,\
00,31,00,41,00,4c,00,2e,00,5a,00,00,00,02,00,00,04,00,00,00,b5,f6,05,00,\
0a,00,00,00,04,00,00,00,a9,44,55,d4,00,00,00,00
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\AWSNTEA.EXE]
"442"=hex:0c,00,00,00,4f,4e,00,00,01,00,00,01,00,00,1a,00,00,00,41,00,56,\
00,45,00,44,00,44,00,4f,00,45,00,41,00,2e,00,5a,00,49,00,50,00,00,00,02,00,\
00,00,04,00,00,00,eb,6c,09,00,0a,00,00,00,04,00,00,00,c7,02,2a,a1,00,00,00,\
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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\AWSNTJA.EXE]
"307"=hex:0c,00,00,00,4f,4e,00,00,01,00,00,00,02,00,00,00,04,00,00,00,af,b8,2f,\
00,0a,00,00,00,04,00,00,00,1f,6f,a0,a7,01,00,00,00,1a,00,00,00,41,00,56,00,\
45,00,44,00,44,00,4f,00,4a,00,41,00,2e,00,5a,00,49,00,50,00,00,00,02,00,00,\
00,04,00,00,00,0b,a0,0c,00,00,00,00,00
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\BC.exe]
"115"=hex:0c,00,00,00,46,4e,00,00,03,00,00,00,0e,00,00,00,1c,00,00,00,42,00,6f,\
00,75,00,6e,00,64,00,73,00,43,00,68,00,65,00,63,00,6b,00,65,00,72,00,00,00,\
15,00,00,00,08,00,00,00,24,03,00,00,00,06,00,00,00,00,00
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\BROWSE.EXE]
"390"=hex:0c,00,00,00,31,4e,00,00,02,00,00,00,01,00,00,00,1c,00,00,00,43,00,4c,\
00,4e,00,53,00,57,00,45,00,45,00,50,00,5c,00,43,00,53,00,2e,00,32,00,00,00,\
02,00,00,00,04,00,00,00,2f,63,15,00,0a,00,00,00,04,00,00,00,91,52,ea,93,01,\
00,00,00,0c,00,00,00,43,00,4c,00,4e,00,53,00,57,00,45,00,45,00,50,00,5c,00,\
43,00,53,00,2e,00,31,00,00,00,02,00,00,00,04,00,00,00,96,cb,07,00,0a,00,00,\
00,04,00,00,00,cd,05,34,d6,00,00,00,00
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\bw.exe]
"464"=hex:0c,00,00,00,00,00,00,00,01,00,00,00,04,00,00,00,10,00,00,00,00,00,02,\
00,02,00,06,00,00,00,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,\
61,00,6e,00,20,00,43,00,6f,00,6d,00,70,00,61,00,6e,00,79,00,00,00,0f,00,00,\
00,28,00,00,00,42,00,61,00,61,00,6e,00,20,00,57,00,69,00,6e,00,64,00,6f,00,\
77,00,73,00,20,00,43,00,6c,00,69,00,65,00,6e,00,74,00,00,00,00,00,00,00
"DllPatch-464"="shcmm.dll 17"
"475"=hex:0c,00,00,00,00,00,00,00,01,00,00,00,04,00,00,00,10,00,00,00,00,00,02,\
00,00,00,04,00,00,00,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,\
61,00,6e,00,20,00,49,00,56,00,00,0f,00,00,00,38,00,00,00,42,00,61,00,61,\
00,6e,00,20,00,57,00,69,00,6e,00,64,00,6f,00,77,00,73,00,20,00,44,00,69,00,\
73,00,70,00,6c,00,61,00,79,00,20,00,53,00,65,00,72,00,76,00,65,00,72,00,00,\
00,00,00,00,00
"DllPatch-475"="shcmm.dll 18"
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\CDINST.EXE]
"1001"=hex:0c,00,00,00,27,4e,00,00,01,00,00,00,15,00,00,00,08,00,00,00,01,00,\
00,00,00,00,01,00,01,00,00,00,3e,00,00,00,49,00,6e,00,73,00,74,00,61,00,6c,\
00,6c,00,73,00,5c,00,70,00,63,00,61,00,33,00,32,00,32,00,5c,00,64,00,69,00,73,\
00,6b,00,31,00,5c,00,73,00,65,00,74,00,75,00,70,00,2e,00,65,00,78,00,65,00,00,\
00,00,00,00,00
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\CDSTART.EXE]
"340"=hex:0c,00,00,00,33,4e,00,00,01,00,00,00,01,00,00,00,24,00,00,00,6e,00,61,\
00,76,00,6e,00,74,00,77,00,73,00,5c,00,64,00,61,00,74,00,61,00,31,00,2e,00,\
63,00,61,00,62,00,00,00,02,00,00,00,04,00,00,00,4e,64,07,00,0a,00,00,00,04,\
00,00,00,b8,0d,c9,6f,01,00,00,00,1a,00,00,00,4e,00,41,00,56,00,43,00,48,00,\
45,00,43,00,4b,00,2e,00,45,00,58,00,45,00,00,00,00,00,00,00
"341"=hex:0c,00,00,00,33,4e,00,00,01,00,00,00,01,00,00,00,1a,00,00,00,4e,00,41,\
00,56,00,43,00,48,00,45,00,43,00,4b,00,2e,00,45,00,58,00,45,00,00,00,01,00,\
00,00,24,00,00,6e,00,61,00,76,00,6e,00,74,00,77,00,73,00,5c,00,64,00,61,\
00,74,00,61,00,31,00,2e,00,63,00,61,00,62,00,00,00,02,00,00,00,04,00,00,00,\
4e,33,06,00,0a,00,00,00,04,00,00,00,74,76,c9,58,00,00,00,00
"412"=hex:0c,00,00,00,33,4e,00,00,01,00,00,00,01,00,00,00,1e,00,00,00,4e,00,41,\
00,56,00,4e,00,54,00,5c,00,4c,00,41,00,4e,00,47,00,2e,00,44,00,41,00,54,00,\
00,00,02,00,00,00,04,00,00,00,cd,11,00,00,0a,00,00,00,04,00,00,80,b6,b3,\
f0,01,00,00,00,24,00,00,00,4e,00,41,00,56,00,4e,00,54,00,5c,00,50,00,41,00,\
52,00,54,00,4e,00,55,00,4d,00,2e,00,44,00,41,00,54,00,00,00,02,00,00,00,04,\
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00,00,00,1f,00,00,00,0a,00,00,00,04,00,00,00,74,08,86,77,01,00,00,00,20,00,\
00,00,4e,00,41,00,56,00,4e,00,54,00,5c,00,44,00,41,00,54,00,41,00,34,00,2e,\
00,43,00,41,00,42,00,00,00,02,00,00,04,00,00,00,40,0b,16,00,0a,00,00,00,\
04,00,00,00,d3,03,e8,5f,01,00,00,00,20,00,00,00,4e,00,41,00,56,00,4e,00,54,\
00,5c,00,44,00,41,00,54,00,41,00,35,00,2e,00,43,00,41,00,42,00,00,00,02,00,\
00,00,04,00,00,00,d6,ad,13,00,0a,00,00,00,04,00,00,00,71,d9,1b,f9,01,00,00,\
00,20,00,00,00,4e,00,41,00,56,00,4e,00,54,00,5c,00,44,00,41,00,54,00,41,00,\
33,00,2e,00,43,00,41,00,42,00,00,00,02,00,00,00,04,00,00,00,ca,06,16,00,0a,\
00,00,00,04,00,00,00,cd,18,ba,ad,01,00,00,00,20,00,00,00,4e,00,41,00,56,00,\
4e,00,54,00,5c,00,44,00,41,00,54,00,41,00,32,00,2e,00,43,00,41,00,42,00,00,\
00,02,00,00,00,04,00,00,00,d7,0d,16,00,0a,00,00,00,04,00,00,00,c0,54,88,39,\
01,00,00,00,20,00,00,00,4e,00,41,00,56,00,4e,00,54,00,5c,00,44,00,41,00,54,\
00,41,00,31,00,2e,00,43,00,41,00,42,00,00,00,02,00,00,00,04,00,00,00,a2,b4,\
07,00,0a,00,00,00,04,00,00,00,d2,0d,e5,ff,01,00,00,00,1e,00,00,00,4e,00,41,\
00,56,00,4e,00,54,00,5c,00,44,00,41,00,54,00,41,00,2e,00,54,00,41,00,47,00,\
00,00,02,00,00,00,04,00,00,00,6e,00,00,00,0a,00,00,00,04,00,00,00,0c,22,c2,\
a1,00,00,00,00
"2"=hex:0c,00,00,00,57,4e,00,00,01,00,00,00,01,00,00,00,1e,00,00,00,4e,00,55,\
00,4e,00,54,00,5c,00,4e,00,44,00,44,00,33,00,32,00,2e,00,45,00,58,00,24,00,\
00,00,02,00,00,00,04,00,00,00,8d,40,02,00,0a,00,00,00,04,00,00,00,71,9f,be,\
8f,00,00,00,00
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\CREATR32.EXE]
"1"=hex:0c,00,00,00,5b,4e,00,00,01,00,00,00,15,00,00,00,08,00,00,00,f0,00,00,\
00,05,00,03,00,01,00,00,00,1a,00,00,00,43,00,44,00,00,6f,00,70,00,69,00,\
65,00,72,00,2e,00,65,00,78,00,65,00,00,00,00,00,00,00
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\crpgsvr.exe]
"498"=hex:0c,00,00,00,00,00,00,00,00,00,06,00,00,00,04,00,00,00,10,00,00,00,00,00,00,\
00,00,00,07,00,00,00,ff,ff,ff,ff,ff,ff,0f,00,00,00,30,00,00,00,43,00,72,00,\
79,00,73,00,74,00,61,00,6c,00,20,00,57,00,65,00,62,00,20,00,50,00,61,00,67,\
00,65,00,20,00,53,00,65,00,72,00,76,00,65,00,72,00,00,00,00,00,00,00
"DllPatch-498"="shcmm.dll 23"
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\CSINSMNT.EXE]
"1"=hex:0c,00,00,00,31,4e,00,00,01,00,00,00,15,00,00,00,08,00,00,00,00,00,00,\
00,00,00,03,00,01,00,00,00,12,00,00,00,43,00,73,00,33,00,32,00,2e,00,65,00,\
78,00,65,00,00,00,00,00,00,00
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\CSUSEMNT.EXE]
"1"=hex:0c,00,00,00,00,31,4e,00,00,01,00,00,00,15,00,00,00,08,00,00,00,1a,00,00,\
00,05,00,04,00,01,00,00,00,12,00,00,00,43,00,73,00,33,00,32,00,2e,00,65,00,\
78,00,65,00,00,00,00,00,00,00
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\CTRUN.EXE]
"1"=hex:0c,00,00,00,00,61,4e,00,00,01,00,00,00,05,00,00,00,10,00,00,00,06,00,02,\
00,00,00,03,00,ff,ff,ff,ff,ff,ff,01,00,00,00,46,00,00,00,2e,00,2e,00,\
5c,00,41,00,55,00,44,00,49,00,4f,00,5c,00,45,00,4e,00,47,00,4c,00,49,00,53,\
00,48,00,5c,00,4e,00,54,00,34,00,44,00,52,00,56,00,5c,00,43,00,54,00,4d,00,\
4d,00,33,00,32,00,2e,00,44,00,4c,00,4c,00,00,00,15,00,00,00,08,00,00,00,27,\
04,00,00,05,00,04,00,00,00,00,00
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\DBD32.EXE]
"272"=hex:0c,00,00,00,00,00,00,00,06,00,00,00,04,00,00,00,10,00,00,00,25,00,05,\
00,00,00,07,00,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,\
74,00,61,00,62,00,61,00,73,00,65,00,20,00,44,00,65,00,73,00,6b,00,74,00,6f,\
00,70,00,00,00,00,00,00,00

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"DllPatch-272"="shcmm.dll 3-(dbsrv32.dll)"
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\DEERHUNT.EXE]
"374"=hex:0c,00,00,00,03,00,00,00,05,00,00,00,0d,00,00,00,16,00,00,00,31,00,2c,\
00,20,00,30,00,2c,00,20,00,30,00,2c,00,20,00,31,00,00,00,0e,00,00,00,2e,00,\
00,00,44,00,65,00,65,00,72,00,48,00,75,00,6e,00,74,00,65,00,72,00,20,00,41,\
00,70,00,70,00,6c,00,69,00,63,00,61,00,74,00,69,00,6f,00,6e,00,00,00,00,00,\
00,00
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\demo32.EXE]
"401"=hex:0c,00,00,00,5b,4e,00,00,01,00,00,00,01,00,00,00,4a,00,00,00,45,00,61,\
00,73,00,79,00,20,00,43,00,44,00,20,00,43,00,72,00,65,00,61,00,74,00,6f,00,\
72,00,5c,00,45,00,6e,00,67,00,6c,00,69,00,73,00,68,00,5c,00,64,00,69,00,73,\
00,6b,00,31,00,5c,00,64,00,61,00,74,00,61,00,2e,00,31,00,00,00,02,00,00,00,\
04,00,00,00,87,cd,07,00,0a,00,00,00,04,00,00,00,d3,a8,82,0d,00,00,00,00
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\Desgntr.exe]
"494"=hex:0c,00,00,00,00,00,00,00,00,00,06,00,00,00,04,00,00,00,10,00,00,00,00,\
00,00,00,05,00,00,00,00,00,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,\
65,00,72,00,6c,00,61,00,00,79,00,20,00,50,00,72,00,6f,00,00,00,00,00,00,00
"DllPatch-494"="shcmm.dll 21"
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\drsfe.exe]
"1"=hex:0c,00,00,00,86,4e,00,00,01,00,00,00,02,00,00,00,04,00,00,00,07,7c,0c,\
00,0a,00,00,00,04,00,00,00,53,12,96,bd,01,00,00,00,1a,00,00,00,6e,00,65,00,\
74,00,67,00,75,00,61,00,72,00,64,00,2e,00,65,00,78,00,65,00,00,00,02,00,00,\
00,04,00,00,00,07,a8,07,00,0a,00,00,00,04,00,00,00,42,e8,d1,25,00,00,00,00,\
"455"=hex:0c,00,00,00,86,4e,00,00,01,00,00,00,02,00,00,00,04,00,00,00,07,7c,0c,\
00,0a,00,00,00,04,00,00,00,53,12,96,bd,01,00,00,00,1a,00,00,00,74,00,6b,00,\
5f,00,73,00,63,00,68,00,65,00,64,00,2e,00,65,00,78,00,65,00,00,00,02,00,00,\
00,04,00,00,00,07,16,07,00,0a,00,00,00,04,00,00,00,be,8d,39,ff,00,00,00,00
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\ENT_981.EXE]
"74"=hex:0c,00,00,00,4a,4e,00,00,02,00,00,00,02,00,00,00,04,00,00,00,00,c8,24,\
00,00,00,00,00
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\FLOADER.EXE]
"163"=hex:0c,00,00,00,75,4e,00,00,01,00,00,00,15,00,00,00,08,00,00,00,00,00,00,\
00,0a,00,00,00,01,00,00,00,1a,00,00,00,44,00,46,00,49,00,4e,00,54,00,46,00,\
43,00,45,00,2e,00,44,00,4c,00,4c,00,00,00,15,00,00,00,08,00,00,00,00,00,00,\
00,00,00,05,00,01,00,00,00,16,00,00,00,44,00,46,00,4c,00,41,00,4e,00,47,00,\
2e,00,44,00,4c,00,4c,00,00,00,15,00,00,00,08,00,00,00,00,00,00,00,01,00,05,\
00,00,00,00,00
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\GMMasterSetup.exe]
"158"=hex:0c,00,00,00,00,00,00,00,05,00,00,00,02,00,00,00,04,00,00,00,40,0a,\
00,0a,00,00,00,04,00,00,00,98,1d,4f,92,01,00,00,00,26,00,00,00,47,00,65,00,\
6f,00,4d,00,65,00,64,00,69,00,61,00,5c,00,73,00,65,00,74,00,75,00,70,00,2e,\
00,70,00,6b,00,67,00,00,00,02,00,00,00,04,00,00,00,a5,8e,00,00,0a,00,00,00,\
04,00,00,00,3b,47,3e,8c,01,00,00,00,28,00,00,00,47,00,65,00,6f,00,4d,00,65,\
00,64,00,69,00,61,00,5c,00,5f,00,73,00,65,00,74,00,75,00,70,00,2e,00,6c,00,\
69,00,62,00,00,00,02,00,00,00,04,00,00,00,f4,c4,0b,00,0a,00,00,00,04,00,00,\
00,9c,00,40,d7,01,00,00,00,28,00,00,00,47,00,65,00,6f,00,4d,00,65,00,64,00,\
69,00,61,00,5c,00,5f,00,53,00,45,00,54,00,55,00,50,00,2e,00,44,00,4c,00,4c,\
00,00,00,02,00,00,00,04,00,00,00,f0,17,00,00,0a,00,00,00,04,00,00,00,c3,35,\
40,bb,01,00,00,00,2c,00,00,00,47,00,65,00,6f,00,4d,00,65,00,64,00,69,00,61,\

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```
00,5c,00,5f,00,49,00,4e,00,53,00,54,00,33,00,32,00,49,00,2e,00,45,00,58,00,\
5f,00,00,00,02,00,00,04,00,00,00,14,e3,04,00,0a,00,00,00,04,00,00,00,56,\
e1,6a,2b,01,00,00,00,28,00,00,00,47,00,65,00,6f,00,4d,00,65,00,64,00,69,00,\
61,00,5c,00,5f,00,49,00,53,00,44,00,45,00,4c,00,2e,00,45,00,58,00,45,00,00,\
00,02,00,00,00,04,00,00,00,00,20,00,00,0a,00,00,00,04,00,00,00,10,5d,9d,e0,\
01,00,00,00,28,00,00,00,47,00,65,00,6f,00,4d,00,65,00,64,00,69,00,61,00,5c,\
00,67,00,6d,00,75,00,6e,00,69,00,6e,00,73,00,74,00,2e,00,7a,00,00,00,02,00,\
00,00,04,00,00,00,a5,cd,01,00,0a,00,00,00,04,00,00,00,af,f2,e1,6f,01,00,00,\
00,30,00,00,00,47,00,65,00,6f,00,4d,00,65,00,64,00,69,00,61,00,5c,00,67,00,\
6d,00,72,00,65,00,61,00,64,00,6d,00,65,00,32,00,30,00,2e,00,63,00,6e,00,74,\
00,00,00,02,00,00,00,04,00,00,00,4c,08,00,00,0a,00,00,00,04,00,00,00,46,cd,\
72,1f,01,00,00,00,26,00,00,00,47,00,65,00,6f,00,4d,00,65,00,64,00,69,00,61,\
00,5c,00,53,00,45,00,54,00,55,00,50,00,2e,00,45,00,58,00,45,00,00,00,02,00,\
00,00,04,00,00,00,80,af,00,00,0a,00,00,00,04,00,00,00,5d,86,c3,4d,01,00,00,\
00,1a,00,00,00,47,00,65,00,6f,00,4d,00,65,00,64,00,69,00,61,00,2e,00,69,00,\
63,00,6f,00,00,00,02,00,00,00,04,00,00,00,36,04,00,00,0a,00,00,00,04,00,00,\
00,bb,75,72,12,01,00,00,00,1c,00,00,00,47,00,00,41,00,75,00,74,00,6f,00,\
52,00,75,00,6e,00,2e,00,65,00,78,00,65,00,00,00,02,00,00,00,04,00,00,00,\
74,00,00,0a,00,00,00,04,00,00,00,ab,7d,cd,58,00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\IMGEDIT.EXE]
"1"=hex:0c,00,00,00,48,4e,00,00,03,00,00,00,15,00,00,00,08,00,00,00,00,06,\
00,01,00,03,00,01,00,00,00,12,00,00,00,50,00,51,00,44,00,49,00,2e,00,4f,00,\
56,00,4c,00,00,00,00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\INSTALL.EXE]
"56"=hex:0c,00,00,00,4c,4e,00,00,01,00,00,00,01,00,00,00,5c,00,00,00,54,00,52,\
00,49,00,41,00,4c,00,5c,00,41,00,4e,00,54,00,49,00,56,00,49,00,52,00,5c,00,\
45,00,4e,00,55,00,5c,00,57,00,4f,00,52,00,4b,00,53,00,54,00,41,00,54,00,5c,\
00,57,00,49,00,4e,00,4e,00,54,00,5c,00,46,00,53,00,41,00,56,00,4e,00,54,00,\
57,00,53,00,2e,00,45,00,58,00,45,00,00,00,02,00,00,04,00,00,00,00,a8,5c,\
00,0a,00,00,00,04,00,00,00,cc,53,77,dc,01,00,00,00,5a,00,00,00,53,00,45,00,\
54,00,55,00,50,00,5c,00,41,00,4e,00,54,00,49,00,56,00,49,00,52,00,5c,00,45,\
00,4e,00,55,00,5c,00,57,00,4f,00,52,00,4b,00,53,00,54,00,41,00,54,00,5c,00,\
57,00,49,00,4e,00,4e,00,54,00,5c,00,53,00,45,00,54,00,55,00,50,00,45,00,58,\
00,2e,00,45,00,58,00,45,00,00,00,02,00,00,04,00,00,00,dd,d9,5c,00,0a,00,\
00,00,04,00,00,00,51,13,81,71,00,00,00,00
"500"=hex:0c,00,00,00,4c,4e,00,00,01,00,00,00,01,00,00,00,56,00,00,00,53,00,45,\
00,54,00,55,00,50,00,5c,00,41,00,4e,00,54,00,49,00,56,00,49,00,52,00,5c,00,\
45,00,4e,00,55,00,5c,00,53,00,45,00,52,00,56,00,45,00,52,00,5c,00,57,00,49,\
00,4e,00,4e,00,54,00,5c,00,53,00,45,00,54,00,55,00,50,00,45,00,58,00,2e,00,\
45,00,58,00,45,00,00,02,00,00,00,04,00,00,00,3c,ba,71,00,0a,00,00,00,04,\
00,00,00,51,13,81,71,01,00,00,00,5a,00,00,00,53,00,45,00,54,00,55,00,50,00,\
5c,00,41,00,4e,00,54,00,49,00,56,00,49,00,52,00,5c,00,45,00,4e,00,55,00,5c,\
00,57,00,4f,00,52,00,4b,00,53,00,54,00,41,00,54,00,5c,00,57,00,49,00,4e,00,\
4e,00,54,00,5c,00,53,00,45,00,54,00,55,00,50,00,45,00,58,00,2e,00,45,00,58,\
00,45,00,00,00,02,00,00,00,04,00,00,00,fo,bf,71,00,0a,00,00,00,04,00,00,00,\
51,13,81,71,00,00,00,00
"1"=hex:0c,00,00,00,26,4e,00,00,03,00,00,00,01,00,00,00,2a,00,00,00,73,00,63,\
00,72,00,6e,00,63,00,61,00,6d,00,5c,00,73,00,63,00,72,00,63,00,31,00,30,00,\
65,00,6e,00,2e,00,64,00,6c,00,6c,00,00,00,0d,00,00,00,16,00,00,00,33,00,2c,\
00,20,00,30,00,2c,00,20,00,30,00,2c,00,20,00,30,00,00,00,00,00,00,00,00
"2"=hex:0c,00,00,00,26,4e,00,00,03,00,00,00,01,00,00,00,34,00,00,00,6c,00,6f,\
00,74,00,75,00,73,00,5c,00,73,00,63,00,72,00,6e,00,63,00,61,00,6d,00,5c,00,\
73,00,63,00,72,00,6e,00,63,00,61,00,6d,00,2e,00,65,00,78,00,65,00,00,15,\
00,00,00,08,00,00,00,00,00,00,00,03,00,00,00,00,00,00
"309"=hex:0c,00,00,00,26,4e,00,00,01,00,00,00,01,00,00,00,36,00,00,00,6c,00,6f,\
00,74,00,75,00,73,00,5c,00,73,00,63,00,72,00,6e,00,63,00,61,00,6d,00,5c,00,\
73,00,63,00,72,00,63,00,61,00,6d,00,6e,00,74,00,2e,00,65,00,78,00,65,00,00,\
00,02,00,00,00,04,00,00,00,00,72,0d,00,01,00,00,00,34,00,00,00,6c,00,6f,00,\
74,00,75,00,73,00,5c,00,73,00,63,00,72,00,6e,00,63,00,61,00,6d,00,5c,00,73,\
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00,63,00,72,00,6e,00,63,00,61,00,6d,00,2e,00,65,00,78,00,65,00,00,00,0a,00,\
00,00,04,00,00,00,0f,81,ff,4e,01,00,00,00,18,00,00,00,69,00,6e,00,73,00,74,\
00,61,00,6c,00,6c,00,6c,00,2e,00,45,00,58,00,45,00,00,01,00,00,00,18,00,00,\
41,00,55,00,54,00,4f,00,52,00,55,00,4e,00,2e,00,49,00,4e,00,46,00,00,00,0a,\
00,00,00,04,00,00,00,73,b3,01,a6,01,00,00,00,14,00,00,00,73,00,65,00,74,00,\
75,00,70,00,2e,00,45,00,58,00,45,00,00,00,00,00,00,00
"310"=hex:0c,00,00,00,26,4e,00,00,01,00,00,00,02,00,00,00,04,00,00,00,ce,00,\
00,01,00,00,00,18,00,00,00,63,00,61,00,6d,00,6e,00,6f,00,64,00,65,00,2e,00,\
69,00,6e,00,66,00,00,00,02,00,00,00,04,00,00,00,8e,2f,00,00,01,00,00,00,10,\
00,00,00,63,00,61,00,6d,00,2e,00,69,00,6e,00,66,00,00,00,0a,00,00,00,04,00,\
00,00,16,ea,61,5a,01,00,00,00,14,00,00,00,53,00,45,00,54,00,55,00,50,00,2e,\
00,45,00,58,00,45,00,00,00,00,00,00
"73"=hex:0c,00,00,00,4c,4e,00,00,02,00,00,00,15,00,00,00,08,00,00,00,00,00,\
00,00,00,01,00,01,00,00,00,4a,00,00,00,4d,00,41,00,54,00,45,00,52,00,49,00,\
41,00,4c,00,5c,00,55,00,54,00,49,00,4c,00,49,00,54,00,59,00,5c,00,46,00,2d,\
00,4d,00,41,00,43,00,52,00,4f,00,5c,00,46,00,2d,00,4d,00,41,00,43,00,52,00,\
4f,00,2e,00,54,00,58,00,54,00,00,00,00,00,00,00,00
"103"=hex:0c,00,00,00,62,4e,00,00,01,00,00,00,15,00,00,00,08,00,00,00,13,00,00,\
00,0a,00,08,00,01,00,00,00,1a,00,00,00,43,00,43,00,4d,00,59,00,45,00,53,00,\
4e,00,4f,00,2e,00,45,00,58,00,45,00,00,00,00,00,00
"131"=hex:0c,00,00,00,62,4e,00,00,01,00,00,00,15,00,00,00,08,00,00,00,41,00,00,\
00,00,00,07,00,01,00,00,00,28,00,00,00,2e,00,2e,00,5c,00,57,00,49,00,4e,00,\
4e,00,54,00,5c,00,57,00,4d,00,53,00,53,00,45,00,54,00,2e,00,49,00,4e,00,46,\
00,00,00,02,00,00,00,04,00,00,00,84,14,00,00,0a,00,00,00,04,00,00,00,b0,e3,\
78,0d,00,00,00,00
"141"=hex:0c,00,00,00,00,00,00,00,00,00,05,00,00,00,02,00,00,00,04,00,00,00,0c,3a,00,\
00,0a,00,00,00,04,00,00,00,01,4f,d5,39,01,00,00,00,26,00,00,00,51,00,57,00,\
5f,00,57,00,49,00,4e,00,39,00,35,00,5c,00,53,00,45,00,54,00,55,00,50,00,2e,\
00,50,00,4b,00,47,00,00,00,02,00,00,00,04,00,00,00,59,17,00,00,0a,00,00,00,\
04,00,00,00,fd,cf,9e,19,01,00,00,00,26,00,00,00,51,00,57,00,5f,00,57,00,49,\
00,4e,00,39,00,35,00,5c,00,51,00,55,00,49,00,43,00,4b,00,45,00,4e,00,2e,00,\
5a,00,00,00,02,00,00,00,04,00,00,00,a0,40,b2,00,0a,00,00,00,04,00,00,00,4e,\
a6,a4,79,01,00,00,00,1e,00,00,00,51,00,57,00,5f,00,57,00,49,00,4e,00,39,00,\
35,00,5c,00,51,00,48,00,49,00,2e,00,5a,00,00,00,02,00,00,00,04,00,00,00,2e,\
c2,0a,00,0a,00,00,00,04,00,00,00,6f,bd,f2,9b,01,00,00,00,26,00,00,00,51,00,\
00,5f,00,57,00,49,00,4e,00,39,00,35,00,5c,00,4d,00,46,00,46,00,44,00,41,\
00,54,00,41,00,2e,00,5a,00,00,00,02,00,00,00,04,00,00,00,98,50,0d,00,0a,00,\
00,00,04,00,00,00,37,53,6b,60,01,00,00,00,28,00,00,00,51,00,57,00,5f,00,57,\
00,49,00,4e,00,39,00,35,00,5c,00,5f,00,53,00,45,00,54,00,55,00,50,00,2e,00,\
4c,00,49,00,42,00,00,00,02,00,00,00,04,00,00,00,49,d7,02,00,0a,00,00,00,04,\
00,00,00,63,02,31,cd,01,00,00,00,28,00,00,00,51,00,57,00,5f,00,57,00,49,00,\
4e,00,39,00,35,00,5c,00,5f,00,53,00,45,00,54,00,55,00,50,00,2e,00,44,00,4c,\
00,4c,00,00,00,02,00,00,00,04,00,00,00,00,2a,00,00,0a,00,00,00,04,00,00,00,\
2d,9b,35,54,01,00,00,00,28,00,00,00,51,00,57,00,5f,00,57,00,49,00,4e,00,39,\
00,35,00,5c,00,5f,00,49,00,53,00,44,00,45,00,4c,00,2e,00,45,00,58,00,45,00,\
00,00,02,00,00,00,04,00,00,00,20,00,00,0a,00,00,00,04,00,00,00,10,5d,9d,\
e0,01,00,00,00,2c,00,00,00,51,00,57,00,5f,00,57,00,49,00,4e,00,39,00,35,00,\
5c,00,5f,00,49,00,4e,00,53,00,54,00,33,00,32,00,49,00,2e,00,45,00,58,00,5f,\
00,00,00,02,00,00,00,04,00,00,00,ea,ad,04,00,0a,00,00,00,04,00,00,00,ac,79,\
16,2d,01,00,00,00,26,00,00,00,51,00,57,00,5f,00,57,00,49,00,4e,00,39,00,35,\
00,5c,00,53,00,45,00,54,00,55,00,50,00,2e,00,45,00,58,00,45,00,00,00,02,00,\
00,00,04,00,00,00,40,ae,00,00,0a,00,00,00,04,00,00,00,f1,6a,fd,fe,00,00,00,\
00
"146"=hex:0c,00,00,00,00,00,00,00,00,05,00,00,00,02,00,00,00,04,00,00,00,0c,3a,00,\
00,0a,00,00,00,04,00,00,00,01,4f,d5,39,01,00,00,00,18,00,00,00,41,00,55,00,\
54,00,4f,00,52,00,55,00,4e,00,2e,00,49,00,4e,00,46,00,00,02,00,00,00,04,\
00,00,00,25,00,00,00,0a,00,00,00,04,00,00,00,10,f1,7b,f1,01,00,00,00,1a,00,\
00,00,46,00,4c,00,4f,00,50,00,50,00,49,00,45,00,53,00,2e,00,42,00,41,00,54,\
00,00,00,02,00,00,00,04,00,00,00,fa,09,00,00,0a,00,00,00,04,00,00,00,e7,4f,\
38,d4,00,00,00,00
"181"=hex:0c,00,00,00,00,00,00,00,00,05,00,00,00,01,00,00,00,44,00,00,00,52,00,55,\
00,4e,00,49,00,4d,00,41,00,47,00,45,00,5c,00,44,00,45,00,4c,00,50,00,48,00,\
49,00,34,00,30,00,5c,00,42,00,49,00,4e,00,5c,00,44,00,46,00,57,00,45,00,44,\
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00,49,00,54,00,2e,00,44,00,4c,00,4c,00,00,00,03,00,00,00,04,00,00,00,03,00,\
00,00,00,00,00,00
"182"=hex:0c,00,00,00,00,00,00,00,05,00,00,00,01,00,00,00,22,00,00,00,49,00,4e,\
00,53,00,54,00,41,00,4c,00,4c,00,5c,00,44,00,41,00,54,00,41,00,2e,00,54,00,\
41,00,47,00,00,00,02,00,00,00,04,00,00,00,76,00,00,00,0a,00,00,00,04,00,00,\
00,4a,0e,1f,48,01,00,00,00,16,00,00,00,44,00,45,00,4c,00,50,00,48,00,49,00,\
2e,00,49,00,43,00,4f,00,00,00,02,00,00,00,04,00,00,00,36,04,00,00,0a,00,00,\
00,04,00,00,00,10,41,f0,91,00,00,00,00
"523"=hex:0c,00,00,00,7e,4e,00,00,02,00,00,00,01,00,00,00,24,00,00,00,57,00,49,\
00,4e,00,5f,00,33,00,32,00,5c,00,43,00,4f,00,50,00,52,00,47,00,31,00,33,00,\
32,00,2e,00,5a,00,00,00,02,00,00,00,04,00,00,00,97,59,04,00,0a,00,00,00,04,\
00,00,00,95,f4,63,1d,01,00,00,00,24,00,00,00,57,00,49,00,4e,00,5f,00,33,00,\
32,00,5c,00,43,00,4f,00,45,00,54,00,43,00,31,00,41,00,4c,00,2e,00,5a,00,00,\
00,02,00,00,00,04,00,00,00,b5,f6,05,00,0a,00,00,00,04,00,00,00,a9,44,55,d4,\
00,00,00,00
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\INSTWRAP.EXE]
"177"=hex:0c,00,00,00,70,4e,00,00,01,00,00,00,01,00,00,00,2c,00,00,00,50,00,52,\
00,4f,00,47,00,52,00,41,00,4d,00,53,00,5c,00,50,00,57,00,46,00,41,00,58,00,\
4d,00,47,00,52,00,2e,00,45,00,58,00,45,00,00,00,15,00,00,00,08,00,00,00,00,\
00,00,00,46,00,04,00,00,00,00,00
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\ISI_INST.EXE]
"280"=hex:0c,00,00,00,00,00,00,00,06,00,00,00,04,00,00,00,10,00,00,00,01,00,00,\
00,00,00,01,00,ff,ff,ff,ff,ff,ff,ff,ff,0f,00,00,00,28,00,00,00,49,00,4e,00,\
53,00,54,00,41,00,4c,00,4c,00,20,00,41,00,70,00,70,00,6c,00,69,00,63,00,61,\
00,74,00,69,00,6f,00,6e,00,00,00,00,00,00,00
"DllPatch-280"="shcmm.dll 10"
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\KV.EXE]
"1"=hex:0c,00,00,00,3c,4e,00,00,01,00,00,00,15,00,00,00,08,00,00,00,39,02,02,\
00,05,00,02,00,01,00,00,00,0e,00,00,00,4b,00,56,00,2e,00,4b,00,56,00,56,00,\
00,00,00,00,00,00
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\llnt8_1_3.exe]
"469"=hex:0c,00,00,00,00,00,00,00,05,00,00,00,02,00,00,00,04,00,00,00,f3,38,50,\
01,0a,00,00,00,04,00,00,00,07,bb,3d,f1,00,00,00,00
"473"=hex:0c,00,00,00,00,00,00,00,05,00,00,00,02,00,00,00,04,00,00,00,4f,0f,59,\
01,0a,00,00,00,04,00,00,00,07,bb,3d,f1,00,00,00,00
"474"=hex:0c,00,00,00,00,00,00,00,05,00,00,00,02,00,00,00,04,00,00,00,5c,b7,65,\
01,0a,00,00,00,04,00,00,00,07,bb,3d,f1,00,00,00,00
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\MacDrive 98 Setup 2.0.2.exe]
"59"=hex:0c,00,00,00,52,4e,00,00,02,00,00,00,05,00,00,00,10,00,00,00,00,00,c9,\
00,00,00,02,00,ff,ff,ff,ff,ff,ff,ff,ff,00,00,00,00
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\Mavis.exe]
"273"=hex:0c,00,00,00,00,00,00,00,06,00,00,00,04,00,00,00,10,00,00,00,01,00,00,\
00,00,00,01,00,ff,ff,ff,ff,ff,ff,ff,ff,0f,00,00,00,14,00,00,00,4d,00,61,00,\
76,00,69,00,73,00,20,00,39,00,2e,00,30,00,00,00,00,00,00,00
"DllPatch-273"="shcmm.dll 2"
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\MSETUP.EXE]
"439"=hex:0c,00,00,00,2d,4e,00,00,01,00,00,00,01,00,00,00,3e,00,00,00,41,00,52,\
00,43,00,53,00,45,00,52,00,56,00,45,00,5c,00,49,00,33,00,38,00,36,00,2e,00,\
45,00,4e,00,47,00,5c,00,54,00,41,00,50,00,45,00,43,00,4f,00,50,00,59,00,2e,\
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00,45,00,58,00,5f,00,00,00,02,00,00,00,04,00,00,00,fe,18,00,00,0a,00,00,00,\
04,00,00,00,c4,34,7c,89,01,00,00,00,3a,00,00,00,00,41,00,52,00,43,00,53,00,45,\
00,52,00,56,00,45,00,5c,00,49,00,33,00,38,00,36,00,2e,00,45,00,4e,00,47,00,\
5c,00,53,00,59,00,53,00,43,00,41,00,54,00,2e,00,30,00,30,00,30,00,00,00,02,\
00,00,00,04,00,00,00,00,00,04,00,0a,00,00,00,04,00,00,00,83,6e,42,53,00,00,\
00,00
"440"=hex:0c,00,00,00,2d,4e,00,00,01,00,00,00,01,00,00,00,3a,00,00,00,41,00,52,\
00,43,00,53,00,45,00,52,00,56,00,45,00,5c,00,49,00,33,00,38,00,36,00,2e,00,\
45,00,4e,00,47,00,5c,00,41,00,53,00,56,00,43,00,54,00,4c,00,2e,00,44,00,4c,\
00,4c,00,00,00,02,00,00,00,04,00,00,00,0a,00,00,00,0a,00,00,00,04,00,00,00,\
96,27,92,69,01,00,00,00,3a,00,00,00,41,00,52,00,43,00,53,00,45,00,52,00,56,\
00,45,00,5c,00,49,00,33,00,38,00,36,00,2e,00,45,00,4e,00,47,00,5c,00,47,00,\
52,00,4f,00,55,00,50,00,35,00,2e,00,4d,00,56,00,41,00,00,00,02,00,00,00,04,\
00,00,00,08,73,22,00,0a,00,00,00,04,00,00,00,50,4f,bd,71,00,00,00,00
"301"=hex:0c,00,00,00,7a,4e,00,00,01,00,00,00,15,00,00,00,08,00,00,00,00,02,\
00,00,00,06,00,01,00,00,00,44,00,00,00,4e,00,46,00,53,00,43,00,4c,00,4e,00,\
54,00,5c,00,4e,00,54,00,5f,00,49,00,4e,00,54,00,45,00,4c,00,5c,00,53,00,4f,\
00,46,00,54,00,57,00,41,00,52,00,45,00,5c,00,4e,00,46,00,53,00,2e,00,43,00,\
50,00,58,00,00,00,00,00,00,00
"356"=hex:0c,00,00,00,7a,4e,00,00,01,00,00,00,15,00,00,00,08,00,00,00,00,02,\
00,00,00,06,00,01,00,00,00,44,00,00,00,4e,00,46,00,53,00,53,00,4f,00,4c,00,\
4f,00,5c,00,4e,00,54,00,5f,00,49,00,4e,00,54,00,45,00,4c,00,5c,00,53,00,4f,\
00,46,00,54,00,57,00,41,00,52,00,45,00,5c,00,4e,00,46,00,53,00,2e,00,43,00,\
50,00,58,00,00,00,00,00,00,00
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\NAVWNT.EXE]
"1"=hex:0c,00,00,00,33,4e,00,00,03,00,00,00,15,00,00,00,08,00,00,00,21,00,01,\
00,03,00,05,00,01,00,00,00,1a,00,00,00,4e,00,61,00,00,76,00,73,00,68,00,65,00,\
6c,00,6c,00,2e,00,64,00,6c,00,6c,00,00,00,00,00,00,00
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\NDD32.EXE]
"1"=hex:0c,00,00,00,57,4e,00,00,03,02,00,00,15,00,00,00,08,00,00,00,02,00,\
00,00,15,00,04,01,00,00,00,18,00,00,00,73,00,69,00,77,00,6e,00,75,00,6e,00,\
74,00,2e,00,64,00,6c,00,6c,00,00,00,00,00,00,00
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\nero40.exe]
"490"=hex:0c,00,00,00,7d,4e,00,00,02,00,00,00,02,00,00,00,04,00,00,00,00,f4,30,\
00,09,00,00,00,04,00,00,00,01,00,00,00,00,00,00,00
"491"=hex:0c,00,00,00,7d,4e,00,00,02,00,00,00,02,00,00,00,04,00,00,00,00,b4,2f,\
00,0a,00,00,00,04,00,00,00,26,b7,56,3d,00,00,00,00
"492"=hex:0c,00,00,00,7d,4e,00,00,02,00,00,00,02,00,00,00,04,00,00,00,00,31,\
00,0a,00,00,00,04,00,00,00,53,ea,a7,b7,00,00,00,00
"493"=hex:0c,00,00,00,7d,4e,00,00,02,00,00,00,02,00,00,00,04,00,00,00,20,3d,\
00,0a,00,00,00,04,00,00,00,d3,d1,45,06,00,00,00,00
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\nttoolki.exe]
"445"=hex:0c,00,00,00,86,4e,00,00,01,00,00,00,02,00,00,00,04,00,00,00,07,e1,07,\
00,0a,00,00,00,04,00,00,00,42,89,80,ec,01,00,00,00,18,00,00,00,6e,00,74,00,\
67,00,75,00,61,00,72,00,64,00,2e,00,65,00,78,00,65,00,00,00,02,00,00,00,04,\
00,00,00,07,2a,02,00,0a,00,00,00,04,00,00,00,e3,79,f0,8f,00,00,00,00
"447"=hex:0c,00,00,00,86,4e,00,00,01,00,00,00,02,00,00,00,04,00,00,00,07,ad,05,\
00,0a,00,00,00,04,00,00,00,fe,7e,5a,e0,01,00,00,00,18,00,00,00,6e,00,74,00,\
67,00,75,00,61,00,72,00,64,00,2e,00,65,00,78,00,65,00,00,02,00,00,00,04,\
00,00,00,07,ee,02,00,0a,00,00,00,04,00,00,00,2f,ac,d1,fc,00,00,00,00
"449"=hex:0c,00,00,00,86,4e,00,00,01,00,00,00,02,00,00,00,04,00,00,00,07,b3,05,\
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00,0a,00,00,00,04,00,00,00,7a,80,96,14,01,00,00,00,18,00,00,00,6e,00,74,00,\
67,00,75,00,61,00,72,00,64,00,2e,00,65,00,78,00,65,00,00,00,02,00,00,00,04,\
00,00,00,07,ce,03,00,0a,00,00,00,04,00,00,00,08,fc,70,ca,00,00,00,00
"450"=hex:0c,00,00,00,86,4e,00,00,01,00,00,00,02,00,00,00,04,00,00,00,07,e1,07,\
00,0a,00,00,00,04,00,00,00,42,89,80,ec,01,00,00,00,18,00,00,00,6e,00,74,00,\
67,00,75,00,61,00,72,00,64,00,2e,00,65,00,78,00,65,00,00,00,02,00,00,00,04,\
00,00,00,07,2a,02,00,0a,00,00,00,04,00,00,00,e3,79,f0,8f,00,00,00,00
"451"=hex:0c,00,00,00,86,4e,00,00,01,00,00,00,02,00,00,00,04,00,00,00,07,ff,07,\
00,0a,00,00,00,04,00,00,00,61,cb,a8,87,01,00,00,00,1a,00,00,00,74,00,6b,00,\
5f,00,73,00,63,00,68,00,65,00,64,00,2e,00,65,00,78,00,65,00,00,00,02,00,00,\
00,04,00,00,00,07,1e,07,00,0a,00,00,00,04,00,00,00,45,67,89,7f,00,00,00,00
"452"=hex:0c,00,00,00,86,4e,00,00,01,00,00,00,02,00,00,00,04,00,00,00,07,ff,07,\
00,0a,00,00,00,04,00,00,00,61,cb,a8,87,01,00,00,00,18,00,00,00,6e,00,74,00,\
67,00,75,00,61,00,72,00,64,00,2e,00,65,00,78,00,65,00,00,00,02,00,00,00,04,\
00,00,00,07,92,02,00,0a,00,00,00,04,00,00,00,47,58,47,a5,00,00,00,00
"453"=hex:0c,00,00,00,86,4e,00,00,01,00,00,00,02,00,00,00,04,00,00,00,07,88,08,\
00,0a,00,00,00,04,00,00,00,fa,e8,03,5d,01,00,00,00,18,00,00,00,6e,00,74,00,\
67,00,75,00,61,00,72,00,64,00,2e,00,65,00,78,00,65,00,00,00,02,00,00,00,04,\
00,00,00,07,92,02,00,0a,00,00,00,04,00,00,00,47,58,47,a5,00,00,00,00
"454"=hex:0c,00,00,00,86,4e,00,00,01,00,00,00,02,00,00,00,04,00,00,00,07,88,08,\
00,0a,00,00,00,04,00,00,00,fa,e8,03,5d,01,00,00,00,18,00,00,00,6e,00,74,00,\
67,00,75,00,61,00,72,00,64,00,2e,00,65,00,78,00,65,00,00,00,02,00,00,00,04,\
00,00,00,07,98,02,00,0a,00,00,00,04,00,00,00,cF,97,a7,15,00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\OC32.EXE]
"1"=hex:0c,00,00,00,23,4e,00,00,01,00,00,00,15,00,00,00,08,00,00,00,80,00,01,\
00,02,00,01,00,01,00,00,00,1a,00,00,00,4f,00,63,00,63,00,6f,00,72,00,65,00,\
31,00,36,00,2e,00,64,00,6c,00,6c,00,00,00,00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\OFMWIN32.EXE]
"1"=hex:0c,00,00,00,35,4e,00,00,03,00,00,00,15,00,00,00,08,00,00,00,00,00,\
00,02,00,05,00,01,00,00,00,1a,00,00,00,4f,00,66,00,6d,00,77,00,69,00,6e,00,\
33,00,32,00,2e,00,68,00,6c,00,70,00,00,00,00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\op31e32.exe]
"136"=hex:0c,00,00,00,00,00,00,00,05,00,00,00,02,00,00,00,04,00,00,00,ac,83,11,\
00,0a,00,00,00,04,00,00,00,0e,ec,92,6a,01,00,00,00,2c,00,00,00,00,52,00,65,00,\
67,00,69,00,73,00,74,00,72,00,61,00,74,00,69,00,6f,00,6e,00,20,00,49,00,6e,\
00,66,00,6f,00,2e,00,74,00,78,00,74,00,00,00,02,00,00,04,00,00,00,4a,00,\
00,00,0a,00,00,00,04,00,00,00,22,e2,e3,ea,00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\org5.exe]
"276"=hex:0c,00,00,00,00,00,00,00,06,00,00,00,05,00,00,00,10,00,00,00,00,00,\
00,00,00,05,00,00,00,00,00,00,ff,ff,0f,00,00,00,20,00,00,00,4c,00,6f,00,\
74,00,75,00,73,00,20,00,4f,00,72,00,67,00,61,00,6e,00,69,00,7a,00,65,00,72,\
00,00,00,00,00,00
"DllPatch-276"="shcmm.dll 4"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\Papreport.exe]
"102"=hex:0c,00,00,00,68,4e,00,00,03,00,00,00,15,00,00,00,08,00,00,00,00,00,\
00,01,00,06,00,00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\PBE.exe]
"113"=hex:0c,00,00,00,6d,4e,00,00,03,00,00,00,01,00,00,00,2a,00,00,00,50,00,6c,\
00,75,00,67,00,49,00,6e,00,73,00,5c,00,45,00,50,00,53,00,50,00,61,00,72,00,\
73,00,72,00,2e,00,38,00,62,00,79,00,00,00,02,00,00,00,04,00,00,00,96,08,\
00,00,00,00,00

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\pc3.exe.exe]
"463"=hex:0c,00,00,00,00,00,00,00,06,00,00,00,04,00,00,00,10,00,00,00,00,0f,\
00,00,00,06,00,00,00,ff,ff,ff,ff,ff,ff,0f,00,00,00,5e,00,00,00,41,00,75,00,\
74,00,6f,00,64,00,65,00,73,00,6b,00,20,00,48,00,61,00,72,00,64,00,63,00,6f,\
00,70,00,79,00,20,00,50,00,6c,00,6f,00,74,00,74,00,65,00,72,00,20,00,43,00,\
6f,00,6e,00,66,00,69,00,67,00,75,00,72,00,61,00,74,00,69,00,6e,00,20,\
00,45,00,64,00,69,00,74,00,6f,00,72,00,00,00,00,00,00,00,00
"DllPatch-463"="shcmm.dll 3-(gdi6.hdi)"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\PD3.exe]
"112"=hex:0c,00,00,00,6d,4e,00,00,03,00,00,00,01,00,00,00,2a,00,00,00,50,00,6c,\
00,75,00,67,00,49,00,6e,00,73,00,5c,00,45,00,50,00,53,00,50,00,41,00,52,00,\
53,00,52,00,2e,00,38,00,42,00,59,00,00,00,02,00,00,00,04,00,00,00,96,08,\
00,00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\PDXWIN32.EXE]
"277"=hex:0c,00,00,00,00,00,00,00,06,00,00,00,04,00,00,00,10,00,00,00,6b,00,04,\
00,00,00,07,00,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,0f,00,00,00,38,00,00,00,43,00,6f,00,\
72,00,61,00,64,00,6f,00,78,00,20,00,66,00,6f,00,72,00,20,00,57,00,69,00,6e,\
00,64,00,6f,00,77,00,73,00,20,00,44,00,65,00,73,00,6b,00,74,00,6f,00,70,00,\
00,00,00,00,00,00
"DllPatch-277"="shcmm.dll 3-(pxsrv32.dll)"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\prwin9.exe]
"371"=hex:0c,00,00,00,00,00,00,00,06,00,00,00,04,00,00,00,10,00,00,00,00,00,\
00,00,00,09,00,00,00,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,0f,00,00,00,38,00,00,00,43,00,6f,00,\
72,00,65,00,6c,00,ae,00,20,00,50,00,72,00,65,00,73,00,65,00,6e,00,74,00,61,\
00,74,00,69,00,6f,00,6e,00,73,00,20,00,28,00,54,00,4d,00,29,00,20,00,39,00,\
00,00,00,00,00,00
"DllPatch-371"="shcmm.dll 15"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\ps6.exe]
"372"=hex:0c,00,00,00,00,00,00,00,06,00,00,00,04,00,00,00,10,00,00,00,00,00,\
00,00,00,01,00,00,00,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,0f,00,00,00,1e,00,00,00,54,00,68,00,\
65,00,20,00,50,00,72,00,69,00,6e,00,74,00,20,00,53,00,68,00,6f,00,70,00,00,\
00,00,00,00,00
"DllPatch-372"="shcmm.dll 12"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\pstrip 2.51.05.exe]
"385"=hex:0c,00,00,00,80,4e,00,00,02,00,00,00,02,00,00,00,04,00,00,00,00,4c,0a,\
00,0a,00,00,00,04,00,00,00,ab,c9,c1,70,00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\PTOFFICE.EXE]
"1"=hex:0c,00,00,00,47,4e,00,00,03,00,00,00,15,00,00,00,08,00,00,00,01,00,00,\
00,00,00,01,00,00,00,00,00,14,00,00,00,50,00,54,00,4f,00,70,00,74,00,2e,00,\
64,00,6c,00,6c,00,00,00,00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\QDCSFS.EXE]
"1"=hex:0c,00,00,00,31,4e,00,00,01,00,00,00,15,00,00,00,08,00,00,00,00,00,\
00,00,00,04,00,01,00,00,00,12,00,00,00,43,00,73,00,33,00,32,00,2e,00,65,00,\
78,00,65,00,00,00,00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\RCENTRLL.EXE]

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"1"=hex:0c,00,00,00,34,4e,00,00,01,00,00,00,15,00,00,08,00,00,00,00,63,\ 00,28,00,04,00,00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session Manager\AppCompatibility\roes41en.exe]

"298"=hex:0c,00,00,00,71,4e,00,00,02,00,00,00,04,00,00,00,aa,b9,52,\ 00,0a,00,00,00,04,00,00,00,7c,fc,4a,8f,00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session Manager\AppCompatibility\RoomsLotus_WinNT.exe]

"196"=hex:0c,00,00,00,00,00,00,00,05,00,00,00,02,00,00,00,04,00,00,00,c6,3b,3f,\ 00,0a,00,00,00,04,00,00,00,ed,10,7c,82,00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session Manager\AppCompatibility\runcd.exe]

"349"=hex:0c,00,00,00,2e,4e,00,00,01,00,00,00,01,00,00,00,16,00,00,00,76,00,69,\ 00,61,00,76,00,6f,00,69,00,63,00,65,00,2e,00,7a,00,00,00,02,00,00,00,04,00,\ 00,00,2a,ba,5c,05,0a,00,00,00,04,00,00,00,ce,00,3f,c4,00,00,00,00

"351"=hex:0c,00,00,00,2e,4e,00,00,01,00,00,00,01,00,00,00,16,00,00,00,56,00,49,\ 00,41,00,56,00,4f,00,49,00,43,00,45,00,2e,00,5a,00,00,00,02,00,00,00,04,00,\ 00,00,97,a0,28,06,0a,00,00,00,04,00,00,00,ce,00,3f,c4,00,00,00,00

"353"=hex:0c,00,00,00,2e,4e,00,00,01,00,00,00,01,00,00,00,16,00,00,00,56,00,49,\ 00,41,00,56,00,4f,00,49,00,43,00,45,00,2e,00,5a,00,00,00,02,00,00,00,04,00,\ 00,00,1f,87,65,08,0a,00,00,00,04,00,00,00,ce,00,3f,c4,00,00,00,00

"355"=hex:0c,00,00,00,2e,4e,00,00,01,00,00,00,01,00,00,00,16,00,00,00,56,00,49,\ 00,41,00,56,00,4f,00,49,00,43,00,45,00,2e,00,5a,00,00,00,02,00,00,00,04,00,\ 00,00,93,ff,86,07,0a,00,00,00,04,00,00,00,ce,00,3f,c4,00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session Manager\AppCompatibility\SCRAMNT.EXE]

"1"=hex:0c,00,00,00,24,4e,00,00,01,00,00,00,15,00,00,00,08,00,00,00,00,00,\ 00,00,00,03,00,01,00,00,00,1a,00,00,00,53,00,63,00,72,00,63,00,6e,00,74,00,\ 65,00,6e,00,2e,00,64,00,6c,00,6c,00,00,00,00,00,00

"314"=hex:0c,00,00,00,24,4e,00,00,01,00,00,00,02,00,00,00,04,00,00,00,72,0d,\ 00,01,00,00,00,18,00,00,00,73,00,63,00,72,00,6e,00,63,00,61,00,6d,00,2e,00,\ 65,00,78,00,65,00,00,02,00,00,00,04,00,00,00,5e,0d,00,00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session Manager\AppCompatibility\SCRNCAM.EXE]

"1"=hex:0c,00,00,00,24,4e,00,00,01,00,00,00,15,00,00,00,08,00,00,00,00,00,\ 00,00,00,03,00,01,00,00,00,1a,00,00,00,53,00,63,00,72,00,63,00,31,00,30,00,\ 65,00,6e,00,2e,00,64,00,6c,00,6c,00,00,00,00,00,00

"313"=hex:0c,00,00,00,24,4e,00,00,01,00,00,00,02,00,00,00,04,00,00,00,5e,0d,\ 00,01,00,00,00,1a,00,00,00,73,00,63,00,72,00,63,00,61,00,6d,00,6e,00,74,00,\ 2e,00,65,00,78,00,65,00,00,00,0a,00,00,00,04,00,00,00,68,07,f4,f1,00,00,00,\ 00

"315"=hex:0c,00,00,00,24,4e,00,00,01,00,00,00,04,00,00,00,10,00,00,00,01,00,00,\ 00,00,00,01,00,ff,ff,ff,ff,ff,ff,ff,01,00,00,00,18,00,00,00,57,00,41,00,\ 54,00,43,00,48,00,4d,00,45,00,2e,00,53,00,43,00,4d,00,00,02,00,00,00,04,\ 00,00,00,c8,e1,03,00,0a,00,00,00,04,00,00,00,86,65,9b,51,01,00,00,00,1a,00,\ 00,00,53,00,43,00,56,00,49,00,44,00,43,00,31,00,30,00,2e,00,44,00,4c,00,4c,\ 00,00,00,01,00,00,00,1a,00,00,00,53,00,43,00,56,00,31,00,36,00,43,00,31,00,\ 30,00,2e,00,44,00,4c,00,4c,00,00,00,01,00,00,00,1a,00,00,00,53,00,43,00,52,\ 00,43,00,31,00,30,00,5a,00,48,00,4e,00,4c,00,00,00,00,01,00,00,00,\ 1a,00,00,00,53,00,43,00,50,00,4c,00,41,00,59,00,4e,00,54,00,2e,00,45,00,58,\ 00,45,00,00,00,01,00,00,00,1a,00,00,00,53,00,43,00,50,00,4c,00,41,00,59,00,\ 45,00,52,00,2e,00,45,00,58,00,45,00,00,00,01,00,00,00,18,00,00,00,53,00,43,\ 00,4d,00,4f,00,56,00,49,00,45,00,2e,00,45,00,58,00,45,00,00,00,00,00

"316"=hex:0c,00,00,00,24,4e,00,00,01,00,00,00,05,00,00,00,10,00,00,00,00,00,\ 00,00,00,03,00,ff,ff,ff,ff,ff,ff,ff,01,00,00,00,1a,00,00,00,53,00,43,00,\ 4b,00,33,00,32,00,43,00,31,00,30,00,2e,00,44,00,4c,00,00,00,02,00,00,\ 00,04,00,00,00,00,44,00,00,0a,00,00,00,04,00,00,00,e9,9f,fb,70,01,00,00,00,\ 1a,00,00,00,53,00,43,00,4b,00,31,00,36,00,43,00,31,00,30,00,2e,00,44,00,4c,\

00,4c,00,00,00,01,00,00,00,1a,00,00,00,53,00,43,00,48,00,4b,00,59,00,43,00,\ 31,00,30,00,2e,00,44,00,4c,00,4c,00,00,00,01,00,00,00,18,00,00,00,57,00,41,\ 00,54,00,43,00,48,00,4d,00,45,00,2e,00,53,00,43,00,4d,00,00,01,00,00,00,\ 1a,00,00,00,53,00,43,00,50,00,4c,00,41,00,59,00,4e,00,54,00,2e,00,45,00,58,\ 00,45,00,00,00,01,00,00,00,1a,00,00,00,53,00,43,00,50,00,4c,00,41,00,59,00,\ 45,00,52,00,2e,00,45,00,58,00,45,00,00,00,01,00,00,00,18,00,00,00,53,00,43,\ 00,4d,00,4f,00,56,00,49,00,45,00,2e,00,45,00,58,00,45,00,00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session Manager\AppCompatibility\SETUP.BAT]

"339"=hex:0c,00,00,00,33,4e,00,00,01,00,00,00,01,00,00,00,1a,00,00,00,4e,00,41,\ 00,56,00,43,00,48,00,45,00,43,00,4b,00,2e,00,45,00,58,00,45,00,00,00,01,00,\ 00,00,24,00,00,00,6e,00,61,00,76,00,6e,00,74,00,77,00,73,00,5c,00,64,00,61,\ 00,74,00,61,00,31,00,2e,00,63,00,61,00,62,00,00,00,02,00,00,00,04,00,00,00,\ 4e,64,07,00,0a,00,00,00,04,00,00,00,b8,0d,c9,6f,00,00,00,00

"342"=hex:0c,00,00,00,33,4e,00,00,01,00,00,00,01,00,00,00,1a,00,00,00,4e,00,41,\ 00,56,00,43,00,48,00,45,00,43,00,4b,00,2e,00,45,00,58,00,45,00,00,00,01,00,\ 00,00,24,00,00,00,6e,00,61,00,76,00,6e,00,74,00,77,00,73,00,5c,00,64,00,61,\ 00,74,00,61,00,31,00,2e,00,63,00,61,00,62,00,00,00,02,00,00,00,04,00,00,00,\ 4e,33,06,00,0a,00,00,00,04,00,00,00,74,76,c9,58,00,00,00,00

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00,2e,00,49,00,4e,00,46,00,00,00,00,00,00,00,00
*429*=hex:0c,00,00,00,33,4e,00,00,01,00,00,00,01,00,00,00,22,00,00,00,4e,00,41,\
00,56,00,4e,00,54,00,5c,00,44,00,41,00,54,00,41,00,35,00,2e,00,43,00,41,00,\
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00,40,0b,16,00,0a,00,00,00,04,00,00,00,d3,03,e8,5f,01,00,00,00,00,20,00,00,00,\
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00,00,02,00,00,00,04,00,00,00,1f,00,00,00,0a,00,00,00,04,00,00,00,74,08,86,\
77,00,00,00,00
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*405*=hex:0c,00,00,00,57,4e,00,00,01,00,00,00,01,00,00,00,24,00,00,00,4e,00,55,\
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00,00,00,02,00,00,15,00,04,00,00,00,00,00,00
*406*=hex:0c,00,00,00,57,4e,00,00,01,00,00,00,01,00,00,00,20,00,00,00,4e,00,55,\
00,4e,00,54,00,5c,00,4e,00,55,00,4d,00,49,00,53,00,43,00,2e,00,44,00,4c,00,\
24,00,00,00,02,00,00,00,04,00,00,00,65,15,03,00,0a,00,00,00,04,00,00,00,25,\
3d,fb,75,01,00,00,00,22,00,00,00,4e,00,55,00,4e,00,54,00,5c,00,4e,00,55,00,\
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00,00,00,47,2e,00,00,0a,00,00,00,04,00,00,00,c5,01,68,47,01,00,00,00,20,00,\
00,00,4e,00,55,00,4e,00,54,00,5c,00,4e,00,55,00,4c,00,49,00,56,00,45,00,2e,\
00,44,00,4c,00,24,00,00,00,02,00,00,00,04,00,00,00,79,51,00,00,0a,00,00,00,\
04,00,00,00,fc,08,e5,d7,01,00,00,00,24,00,00,00,4e,00,55,00,4e,00,54,00,5c,\
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00,00,02,00,00,00,04,00,00,00,96,38,03,00,0a,00,00,00,04,00,00,00,b3,3a,e2,\
9d,01,00,00,00,1e,00,00,00,4e,00,55,00,4e,00,54,00,5c,00,53,00,45,00,54,00,\
55,00,50,00,2e,00,45,00,58,00,45,00,00,00,15,00,00,00,08,00,00,00,00,02,\
00,15,00,04,00,00,00,00,00
*408*=hex:0c,00,00,00,57,4e,00,00,01,00,00,00,01,00,00,00,24,00,00,00,4e,00,75,\
00,4e,00,54,00,5c,00,4e,00,55,00,4c,00,49,00,56,00,45,00,55,00,50,00,2e,00,\
45,00,58,00,24,00,00,00,02,00,00,00,04,00,00,00,fc,4e,00,00,0a,00,00,00,04,\
00,00,00,25,fa,8c,fb,01,00,00,00,22,00,00,00,4e,00,75,00,4e,00,54,00,5c,00,\
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00,00,00,04,00,00,00,2d,2e,00,00,0a,00,00,00,04,00,00,00,c7,43,2d,1d,01,00,\
00,00,20,00,00,00,4e,00,75,00,4e,00,54,00,5c,00,4e,00,55,00,4c,00,49,00,56,\
00,45,00,2e,00,44,00,4c,00,24,00,00,00,02,00,00,00,04,00,00,00,9d,52,00,00,\
0a,00,00,00,00,04,00,00,12,08,6a,04,01,00,00,00,24,00,00,00,4e,00,75,00,4e,\
00,54,00,5c,00,53,00,33,00,32,00,4c,00,49,00,56,00,45,00,31,00,2e,00,44,00,\
4c,00,24,00,00,00,02,00,00,00,04,00,00,00,69,38,03,00,0a,00,00,00,04,00,00,\
00,96,8a,58,ec,01,00,00,00,1e,00,00,00,4e,00,75,00,4e,00,54,00,5c,00,53,00,\
45,00,54,00,55,00,50,00,2e,00,45,00,58,00,45,00,00,00,15,00,00,00,08,00,00,\

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00,00,00,02,00,15,00,04,00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session Manager\AppCompatibility\SETUP.EXE]

"1003"=hex:0c,00,00,00,5b,4e,00,00,01,00,00,00,05,00,00,08,00,00,00,f0,00,\ 00,00,05,00,03,00,01,00,00,00,1a,00,00,00,43,00,44,00,57,00,72,00,69,00,74,\ 00,65,00,72,00,2e,00,69,00,63,00,6f,00,00,00,00,00,00,00,00
"30"=hex:0c,00,00,00,5b,4e,00,00,01,00,00,00,05,00,00,00,10,00,00,00,00,6b,\ 00,00,00,03,00,ff,ff,ff,ff,ff,ff,ff,ff,01,00,00,00,14,00,00,00,73,00,65,00,\ 74,00,75,00,70,00,2e,00,70,00,6b,00,67,00,00,00,02,00,00,00,04,00,00,00,ec,\ 06,00,00,0a,00,00,00,04,00,00,00,ce,74,2b,74,00,00,00,00
"31"=hex:0c,00,00,00,5b,4e,00,00,01,00,00,00,05,00,00,00,10,00,00,00,00,6b,\ 00,00,00,03,00,ff,ff,ff,ff,ff,ff,ff,ff,01,00,00,00,14,00,00,00,73,00,65,00,\ 74,00,75,00,70,00,2e,00,70,00,6b,00,67,00,00,00,02,00,00,00,04,00,00,00,2c,\ 03,00,00,0a,00,00,00,04,00,00,00,55,71,0f,bd,00,00,00,00,00
"32"=hex:0c,00,00,00,5b,4e,00,00,01,00,00,00,05,00,00,00,10,00,00,00,00,6b,\ 00,00,00,03,00,ff,ff,ff,ff,ff,ff,ff,ff,01,00,00,00,14,00,00,00,73,00,65,00,\ 74,00,75,00,70,00,2e,00,70,00,6b,00,67,00,00,00,02,00,00,00,04,00,00,00,28,\ 07,00,00,0a,00,00,00,04,00,00,00,02,72,e9,32,00,00,00,00
"33"=hex:0c,00,00,00,5b,4e,00,00,01,00,00,00,05,00,00,00,10,00,00,00,00,6b,\ 00,00,00,03,00,ff,ff,ff,ff,ff,ff,ff,ff,01,00,00,00,14,00,00,00,73,00,65,00,\ 74,00,75,00,70,00,2e,00,70,00,6b,00,67,00,00,00,02,00,00,00,04,00,00,00,42,\ 03,00,00,0a,00,00,00,04,00,00,00,50,01,57,03,00,00,00,00,00
"34"=hex:0c,00,00,00,5b,4e,00,00,01,00,00,00,05,00,00,00,10,00,00,00,00,6b,\ 00,00,00,03,00,ff,ff,ff,ff,ff,ff,ff,ff,01,00,00,00,14,00,00,00,73,00,65,00,\ 74,00,75,00,70,00,2e,00,70,00,6b,00,67,00,00,00,02,00,00,00,04,00,00,00,28,\ 07,00,00,0a,00,00,00,04,00,00,00,39,04,0d,7c,00,00,00,00,00
"35"=hex:0c,00,00,00,5b,4e,00,00,01,00,00,00,05,00,00,00,10,00,00,00,00,6b,\ 00,00,00,03,00,ff,ff,ff,ff,ff,ff,ff,ff,01,00,00,00,14,00,00,00,73,00,65,00,\ 74,00,75,00,70,00,2e,00,70,00,6b,00,67,00,00,00,02,00,00,00,04,00,00,00,42,\ 03,00,00,0a,00,00,00,04,00,00,00,9d,65,3f,d6,00,00,00,00,00
"36"=hex:0c,00,00,00,5b,4e,00,00,01,00,00,00,05,00,00,00,10,00,00,00,00,6b,\ 00,00,00,03,00,ff,ff,ff,ff,ff,ff,ff,ff,01,00,00,00,14,00,00,00,53,00,45,00,\ 54,00,55,00,50,00,2e,00,50,00,4b,00,47,00,00,00,02,00,00,00,04,00,00,00,28,\ 07,00,00,0a,00,00,00,04,00,00,00,07,8c,21,4d,00,00,00,00,00
"37"=hex:0c,00,00,00,5b,4e,00,00,01,00,00,00,05,00,00,00,10,00,00,00,00,6b,\ 00,00,00,03,00,ff,ff,ff,ff,ff,ff,ff,ff,01,00,00,00,14,00,00,00,53,00,45,00,\ 54,00,55,00,50,00,2e,00,50,00,4b,00,47,00,00,00,02,00,00,00,04,00,00,00,42,\ 03,00,00,0a,00,00,00,04,00,00,00,77,76,1f,17,00,00,00,00,00
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"39"=hex:0c,00,00,00,5b,4e,00,00,01,00,00,00,05,00,00,00,10,00,00,00,00,6b,\ 00,00,00,03,00,ff,ff,ff,ff,ff,ff,ff,ff,01,00,00,00,14,00,00,00,73,00,65,00,\ 74,00,75,00,70,00,2e,00,70,00,6b,00,67,00,00,00,02,00,00,00,04,00,00,00,42,\ 03,00,00,0a,00,00,00,04,00,00,00,00,fs,21,bd,b1,00,00,00,00,00
"40"=hex:0c,00,00,00,5b,4e,00,00,01,00,00,00,05,00,00,00,10,00,00,00,00,6b,\ 00,00,00,03,00,ff,ff,ff,ff,ff,ff,ff,ff,01,00,00,00,14,00,00,00,73,00,65,00,\ 74,00,75,00,70,00,2e,00,70,00,6b,00,67,00,00,00,02,00,00,00,04,00,00,00,42,\ 03,00,00,0a,00,00,00,04,00,00,00,b5,88,c3,68,00,00,00,00,00
"41"=hex:0c,00,00,00,5b,4e,00,00,01,00,00,00,05,00,00,00,10,00,00,00,00,6b,\ 00,00,00,03,00,ff,ff,ff,ff,ff,ff,ff,ff,01,00,00,00,14,00,00,00,73,00,65,00,\ 74,00,75,00,70,00,2e,00,70,00,6b,00,67,00,00,00,02,00,00,00,04,00,00,00,8e,\ 07,00,00,0a,00,00,00,04,00,00,00,36,e1,6c,b3,00,00,00,00,00
"42"=hex:0c,00,00,00,5b,4e,00,00,01,00,00,00,05,00,00,00,10,00,00,00,00,6b,\ 00,00,00,03,00,ff,ff,ff,ff,ff,ff,ff,ff,01,00,00,00,14,00,00,00,73,00,65,00,\ 74,00,75,00,70,00,2e,00,70,00,6b,00,67,00,00,00,02,00,00,00,04,00,00,00,75,\ 07,00,00,0a,00,00,00,04,00,00,00,dc,f1,fd,b4,00,00,00,00,00
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"45"=hex:0c,00,00,00,5b,4e,00,00,01,00,00,00,05,00,00,00,10,00,00,00,00,6b,\ 00,00,00,03,00,ff,ff,ff,ff,ff,ff,ff,ff,01,00,00,00,14,00,00,00,73,00,65,00,\ 74,00,75,00,70,00,2e,00,70,00,6b,00,67,00,00,00,02,00,00,00,04,00,00,00,40,\ 03,00,00,0a,00,00,00,04,00,00,00,bb,a9,bc,a0,00,00,00,00,00
"46"=hex:0c,00,00,00,5b,4e,00,00,01,00,00,00,05,00,00,00,10,00,00,00,00,6b,\ 00,00,00,03,00,ff,ff,ff,ff,ff,ff,ff,ff,01,00,00,00,14,00,00,00,73,00,65,00,\ 74,00,75,00,70,00,2e,00,70,00,6b,00,67,00,00,00,02,00,00,00,04,00,00,00,75,\ 07,00,00,0a,00,00,00,04,00,00,00,1a,05,1c,4d,00,00,00,00,00
"47"=hex:0c,00,00,00,5b,4e,00,00,01,00,00,00,05,00,00,00,10,00,00,00,00,6b,\ 00,00,00,03,00,ff,ff,ff,ff,ff,ff,ff,ff,01,00,00,00,14,00,00,00,73,00,65,00,\ 74,00,75,00,70,00,2e,00,70,00,6b,00,67,00,00,00,02,00,00,00,04,00,00,00,40,\ 03,00,00,0a,00,00,00,04,00,00,00,da,7b,bd,72,00,00,00,00,00
"48"=hex:0c,00,00,00,5b,4e,00,00,01,00,00,00,05,00,00,00,10,00,00,00,00,6b,\ 00,00,00,03,00,ff,ff,ff,ff,ff,ff,ff,ff,01,00,00,00,14,00,00,00,73,00,65,00,\ 74,00,75,00,70,00,2e,00,70,00,6b,00,67,00,00,00,02,00,00,00,04,00,00,00,40,\ 03,00,00,0a,00,00,00,04,00,00,00,be,98,76,89,00,00,00,00,00
"184"=hex:0c,00,00,00,5b,4e,00,00,01,00,00,00,01,00,00,00,01,00,00,00,32,00,00,00,4a,00,61,\ 00,70,00,61,00,6e,00,65,00,73,00,65,00,5c,00,64,00,69,00,73,00,6b,00,31,00,\ 5c,00,64,00,65,00,6c,00,75,00,78,00,65,00,2e,00,69,00,64,00,00,02,00,00,\ 00,04,00,00,00,03,00,00,00,0a,00,00,00,04,00,00,00,00,00,01,00,00,00,\ 18,00,00,00,41,00,75,00,74,00,6f,00,72,00,75,00,6e,00,2e,00,65,00,78,00,65,\ 00,00,00,01,00,00,00,18,00,00,00,41,00,75,00,74,00,6f,00,72,00,75,00,6e,00,\ 2e,00,69,00,6e,00,66,00,00,00,01,00,00,00,1a,00,00,00,63,00,64,00,77,00,72,\ 00,69,00,74,00,65,00,72,00,2e,00,69,00,63,00,6f,00,00,00,02,00,00,00,04,00,\ 00,00,36,04,00,00,0a,00,00,00,04,00,00,00,de,ae,a9,74,01,00,00,00,14,00,00,\ 00,73,00,65,00,74,00,75,00,70,00,2e,00,69,00,6e,00,69,00,00,00,00,00,00
"186"=hex:0c,00,00,00,5b,4e,00,00,01,00,00,00,01,00,00,00,01,00,00,00,5f,00,49,\ 00,4e,00,53,00,54,00,33,00,32,00,49,00,2e,00,45,00,58,00,5f,00,00,00,01,00,\ 00,00,16,00,00,00,5f,00,53,00,45,00,54,00,55,00,50,00,2e,00,44,00,4c,00,4c,\ 00,00,00,01,00,00,00,14,00,00,00,64,00,65,00,6c,00,75,00,78,00,65,00,2e,00,\ 69,00,64,00,00,00,01,00,00,00,12,00,00,00,64,00,69,00,73,00,6b,00,31,00,2e,\ 00,69,00,64,00,00,00,01,00,00,00,14,00,00,00,73,00,65,00,74,00,75,00,70,00,\ 2e,00,70,00,6b,00,67,00,00,00,01,00,00,00,1a,00,00,00,61,00,73,00,70,00,69,\ 00,69,00,6e,00,73,00,74,00,2e,00,65,00,78,00,65,00,00,0a,00,00,00,04,00,\ 00,00,00,f7,6f,84,e6,0d,00,00,00,18,00,00,00,34,00,2e,00,36,00,30,00,20,00,28,\ 00,31,00,30,00,31,00,37,00,29,00,00,00,00,00,00,00
"188"=hex:0c,00,00,00,5b,4e,00,00,01,00,00,00,01,00,00,00,12,00,00,00,64,00,69,\ 00,73,00,6b,00,31,00,2e,00,69,00,64,00,00,00,01,00,00,00,14,00,00,00,64,00,\ 65,00,6c,00,75,00,78,00,65,00,2e,00,69,00,64,00,00,00,02,00,00,00,04,00,00,\ 00,03,00,00,00,0a,00,00,00,04,00,00,00,00,00,00,00,01,00,00,00,1a,00,00,00,\ 5f,00,49,00,4e,00,53,00,54,00,33,00,32,00,49,00,2e,00,45,00,58,00,5f,00,00,\ 00,01,00,00,00,1a,00,00,00,61,00,73,00,70,00,69,00,69,00,6e,00,73,00,74,00,\ 2e,00,65,00,78,00,65,00,00,0a,00,00,00,04,00,00,00,f7,6f,84,e6,01,00,00,\ 00,14,00,00,00,53,00,45,00,54,00,55,00,50,00,2e,00,49,00,4e,00,53,00,00,00,\ 00,00,00,00
"189"=hex:0c,00,00,00,5b,4e,00,00,01,00,00,00,01,00,00,00,16,00,00,00,75,00,70,\ 00,64,00,61,00,74,00,65,00,2e,00,65,00,78,00,65,00,00,00,01,00,00,00,14,00,\ 00,00,4c,00,49,00,4e,00,47,00,4f,00,2e,00,49,00,4e,00,49,00,00,02,00,00,\ 00,04,00,00,00,21,04,00,00,01,00,00,00,16,00,00,00,65,00,61,00,73,00,79,00,\ 63,00,64,00,2e,00,64,00,69,00,72,00,00,00,01,00,00,00,16,00,00,00,64,00,69,\ 00,72,00,65,00,00,03,00,74,00,2e,00,64,00,69,00,72,00,00,00,02,00,00,00,04,00,\ 00,00,8e,4b,01,00,6a,00,00,00,04,00,00,00,1a,f9,71,fc,01,00,00,00,1a,00,00,\ 00,43,00,44,00,57,00,52,00,49,00,54,00,45,00,52,00,2e,00,49,00,43,00,4f,00,\ 00,00,01,00,00,00,18,00,00,00,41,00,75,00,74,00,6f,00,72,00,75,00,6e,00,2e,\ 00,69,00,6e,00,66,00,00,00,00,00,00,00,00
"190"=hex:0c,00,00,00,5b,4e,00,00,01,00,00,00,01,00,00,00,1a,00,00,00,63,00,64,\ 00,77,00,72,00,69,00,74,00,65,00,72,00,2e,00,69,00,63,00,6f,00,00,00,02,00,\ 00,00,04,00,00,00,36,04,00,00,0a,00,00,00,04,00,00,00,de,ae,a9,74,01,00,00,\ 00,14,00,00,00,73,00,65,00,74,00,75,00,70,00,2e,00,65,00,78,00,65,00,00,00,\

01,00,00,00,32,00,00,00,6a,00,61,00,70,00,61,00,6e,00,65,00,73,00,65,00,5c,\n00,64,00,69,00,73,00,6b,00,31,00,5c,00,64,00,65,00,6c,00,75,00,78,00,65,00,\n2e,00,69,00,64,00,00,01,00,00,00,32,00,00,00,6a,00,61,00,70,00,61,00,6e,\n00,65,00,73,00,65,00,5c,00,64,00,69,00,73,00,6b,00,31,00,5c,00,53,00,45,00,\n54,00,55,00,50,00,2e,00,45,00,58,00,45,00,00,00,0a,00,00,00,04,00,00,00,5d,\n86,c3,4d,01,00,00,00,14,00,00,00,73,00,65,00,74,00,75,00,70,00,2e,00,69,00,\n6e,00,69,00,00,00,01,00,00,00,18,00,00,00,41,00,55,00,54,00,4f,00,52,00,55,\n00,4e,00,2e,00,49,00,4e,00,46,00,00,00,00,00,00,00,00\n\"191\"=hex:0c,00,00,00,0b,4e,00,00,01,00,00,00,01,00,00,00,14,00,00,00,64,00,65,\n00,6c,00,75,00,78,00,65,00,2e,00,69,00,64,00,00,00,02,00,00,00,04,00,00,00,\n03,00,00,00,0a,00,00,00,04,00,00,00,00,00,00,00,01,00,00,00,16,00,00,00,52,\n00,45,00,41,00,44,00,4d,00,45,00,2e,00,54,00,58,00,54,00,00,00,01,00,00,00,\n14,00,00,00,73,00,65,00,74,00,75,00,70,00,2e,00,70,00,6b,00,67,00,00,00,01,\n00,00,00,1a,00,00,00,5f,00,49,00,4e,00,53,00,54,00,33,00,32,00,49,00,2e,00,\n45,00,58,00,5f,00,00,00,01,00,00,00,1a,00,00,00,61,00,73,00,70,00,69,00,69,\n00,6e,00,73,00,74,00,2e,00,65,00,78,00,65,00,00,00,0a,00,00,00,04,00,00,00,\n61,e9,b6,d0,01,00,00,00,14,00,00,00,53,00,45,00,54,00,55,00,50,00,2e,00,49,\n00,4e,00,53,00,00,00,00,00,00,00\n\"441\"=hex:0c,00,00,00,2d,4e,00,00,01,00,00,00,01,00,00,00,3e,00,00,00,49,00,6e,\n00,74,00,65,00,6c,00,00,4e,00,54,00,5c,00,41,00,52,00,43,00,73,00,65,00,72,00,\n76,00,65,00,2e,00,49,00,54,00,5c,00,41,00,53,00,43,00,4f,00,52,00,45,00,2e,\n00,44,00,4c,00,4c,00,00,00,02,00,00,00,04,00,00,00,00,7c,01,00,0a,00,00,00,\n04,00,00,00,ea,2f,b4,42,01,00,00,00,3e,00,00,00,49,00,6e,00,74,00,65,00,6c,\n00,4e,00,54,00,5c,00,41,00,52,00,43,00,73,00,65,00,72,00,76,00,65,00,2e,00,\n49,00,54,00,5c,00,47,00,72,00,6f,00,75,00,70,00,35,00,2e,00,6d,00,76,00,61,\n00,00,00,02,00,00,00,04,00,00,00,95,94,27,00,0a,00,00,00,04,00,00,00,9b,cd,\n22,03,00,00,00,00\n\"54\"=hex:0c,00,00,00,53,4e,00,00,01,00,00,00,01,00,00,00,1a,00,00,00,49,00,4e,\n00,4f,00,43,00,55,00,00,4c,00,41,00,4e,00,2e,00,49,00,43,00,46,00,00,00,02,00,\n00,00,04,00,00,00,00,00,67,00,00,0a,00,00,00,04,00,00,00,51,5c,2b,78,01,00,00,\n00,1a,00,00,00,41,00,4c,00,45,00,52,00,54,00,56,00,45,00,52,00,2e,00,44,00,\n4c,00,4c,00,00,00,02,00,00,00,04,00,00,00,00,4a,00,00,0a,00,00,00,04,00,00,\n00,ba,bd,4a,83,00,00,00,00\n\"444\"=hex:0c,00,00,00,53,4e,00,00,01,00,00,00,01,00,00,00,44,00,00,00,42,00,69,\n00,6e,00,5c,00,49,00,6e,00,6f,00,63,00,49,00,54,00,5f,00,4e,00,54,00,5f,00,\n43,00,6c,00,69,00,65,00,6e,00,74,00,5c,00,69,00,6e,00,6f,00,63,00,75,00,6c,\n00,61,00,6e,00,2e,00,69,00,63,00,66,00,00,00,02,00,00,00,04,00,00,00,28,64,\n00,00,0a,00,00,00,04,00,00,00,e7,fd,85,1a,01,00,00,00,44,00,00,00,42,00,69,\n00,6e,00,5c,00,49,00,6e,00,6f,00,63,00,49,00,54,00,5f,00,4e,00,54,00,5f,00,\n43,00,6c,00,69,00,65,00,6e,00,74,00,5c,00,61,00,6c,00,65,00,72,00,74,00,76,\n00,65,00,72,00,2e,00,64,00,6c,00,6c,00,00,00,02,00,00,00,04,00,00,00,04a,\n00,00,0a,00,00,00,04,00,00,5c,3d,99,7a,00,00,00,00\n\"7\"=hex:0c,00,00,00,25,4e,00,00,02,00,00,00,01,00,00,00,10,00,00,00,46,00,70,\n00,2d,00,34,00,30,00,00,30,00,2e,00,00,00,00,00,00,00\n\"55\"=hex:0c,00,00,00,25,4e,00,00,02,00,00,00,01,00,00,00,1a,00,00,00,43,00,53,\n00,53,00,2d,00,41,00,4d,00,47,00,52,00,2e,00,45,00,58,00,45,00,00,00,15,00,\n00,00,08,00,00,00,05,00,02,00,00,00,01,00,00,00,00,00\n\"49\"=hex:0c,00,00,00,86,4e,00,00,01,00,00,00,01,00,00,00,16,00,00,00,41,00,56,\n00,54,00,4b,00,4e,00,54,00,2e,00,49,00,4e,00,5f,00,00,00,02,00,00,00,04,00,\n00,00,a7,04,00,00,0a,00,00,00,04,00,00,00,42,fe,5f,bb,01,00,00,00,18,00,00,\n00,4e,00,54,00,47,00,55,00,41,00,52,00,44,00,2e,00,45,00,58,00,5f,00,00,00,\n02,00,00,00,04,00,00,00,04,aa,01,00,0a,00,00,00,04,00,00,00,93,02,e0,bc,00,\n00,00,00\n\"57\"=hex:0c,00,00,00,49,4e,00,00,01,00,00,00,15,00,00,00,08,00,00,00,00,00,76,\n00,00,00,03,00,01,00,00,00,32,00,00,00,70,00,63,00,41,00,4e,00,59,00,33,00,\n32,00,5c,00,44,00,49,00,53,00,4b,00,31,00,5c,00,53,00,49,00,57,00,50,00,43,\n00,41,00,2e,00,44,00,4c,00,4c,00,00,00,15,00,00,00,08,00,00,00,90,00,00,00,\n00,00,08,00,00,00,00,00\n\"50\"=hex:0c,00,00,00,4f,4e,00,00,01,00,00,00,01,00,00,00,32,00,00,00,33,00,30,\n00,30,00,5c,00,49,00,4e,00,53,00,54,00,41,00,4c,00,4c,00,5c,00,41,00,56,00,\n57,00,53,00,4e,00,54,00,45,00,41,00,2e,00,45,00,58,00,45,00,00,00,02,00,00,\n00,04,00,00,00,f2,b4,2d,00,0a,00,00,00,04,00,00,00,e3,3b,d1,e7,00,00,00,00\n\"306\"=hex:0c,00,00,00,4f,4e,00,00,01,00,00,00,02,00,00,00,04,00,00,00,d0,5b,00,\n

00,0a,00,00,00,04,00,00,00,a3,34,8b,21,14,00,00,00,46,00,00,00,49,00,42,00,\n4d,00,20,00,41,00,6e,00,74,00,69,00,56,00,69,00,72,00,75,00,73,00,20,00,47,\n00,6c,00,6f,00,62,00,61,00,6c,00,20,00,73,00,65,00,74,00,75,00,70,00,20,00,\n70,00,72,00,6f,00,67,00,72,00,61,00,6d,00,00,00,01,00,00,00,32,00,00,00,33,\n00,30,00,31,00,5c,00,49,00,4e,00,53,00,54,00,41,00,4c,00,4c,00,5c,00,41,00,\n56,00,57,00,53,00,4e,00,54,00,4a,00,41,00,2e,00,45,00,58,00,45,00,00,00,02,\n00,00,00,04,00,00,00,af,b8,2f,00,01,00,00,00,16,00,00,00,49,00,50,00,4c,00,\n41,00,4a,00,41,00,2e,00,54,00,58,00,54,00,00,00,01,00,00,00,1a,00,00,00,52,\n00,45,00,41,00,44,00,4d,00,45,00,4a,00,41,00,2e,00,54,00,58,00,54,00,00,00,\n01,00,00,00,1a,00,00,00,53,00,45,00,54,00,55,00,50,00,4f,00,53,00,32,00,2e,\n00,45,00,58,00,45,00,00,00,00,00,00,00\n\"12\"=hex:0c,00,00,00,3c,4e,00,00,01,00,00,00,15,00,00,00,08,00,00,00,4f,00,\n00,00,00,03,00,01,00,00,00,10,00,00,00,4b,00,56,00,49,00,4e,00,49,00,2e,00,\n5a,00,00,00,00,00,00,00\n\"13\"=hex:0c,00,00,00,3c,4e,00,00,01,00,00,00,15,00,00,00,08,00,00,00,4f,00,\n00,00,00,03,00,01,00,00,00,12,00,00,00,56,00,50,00,41,00,49,00,4e,00,49,00,\n2e,00,5a,00,00,00,00,00,00,00\n\"134\"=hex:0c,00,00,00,26,4e,00,00,03,00,00,00,01,00,00,00,36,00,00,00,6c,00,6f,\n00,74,00,75,00,73,00,5c,00,73,00,63,00,72,00,6e,00,63,00,61,00,6d,00,5c,00,\n73,00,63,00,72,00,63,00,31,00,30,00,65,00,6e,00,2e,00,64,00,6c,00,6c,00,00,\n00,15,00,00,00,08,00,00,00,00,00,00,00,00,00,03,00,00,00,00,00\n\"308\"=hex:0c,00,00,00,26,4e,00,00,01,00,00,00,01,00,00,00,34,00,00,00,6c,00,6f,\n00,74,00,75,00,73,00,5c,00,73,00,63,00,72,00,6e,00,63,00,61,00,6d,00,5c,00,\n73,00,63,00,72,00,6e,00,63,00,61,00,6d,00,2e,00,65,00,78,00,65,00,00,0a,\n00,00,00,04,00,00,00,0f,81,ff,4e,01,00,00,00,36,00,00,00,6c,00,6f,00,74,00,\n75,00,73,00,5c,00,73,00,63,00,72,00,6e,00,63,00,61,00,6d,00,5c,00,73,00,63,\n00,72,00,63,00,61,00,6d,00,6e,00,74,00,2e,00,65,00,78,00,65,00,00,00,02,00,\n00,00,04,00,00,00,00,72,0d,00,0a,00,00,00,04,00,00,00,68,07,f4,f1,01,00,00,\n00,18,00,00,00,69,00,6e,00,73,00,74,00,61,00,6c,00,6c,00,2e,00,45,00,58,00,\n45,00,00,00,0a,00,00,00,04,00,00,00,77,eb,eb,c8,01,00,00,00,18,00,00,00,41,\n00,55,00,54,00,4f,00,52,00,55,00,4e,00,2e,00,49,00,4e,00,46,00,00,01,00,\n00,00,18,00,00,00,69,00,6e,00,73,00,74,00,61,00,6c,00,6c,00,2e,00,45,00,58,\n00,45,00,00,00,0a,00,00,00,04,00,00,00,77,eb,e9,c8,00,00,00,00,00,00,00\n\"311\"=hex:0c,00,00,00,26,4e,00,00,01,00,00,00,01,00,00,00,10,00,00,00,63,00,61,\n00,6d,00,2e,00,69,00,6e,00,66,00,00,00,02,00,00,00,04,00,00,00,5d,3a,00,00,\n0a,00,00,00,04,00,00,00,16,ea,61,5a,01,00,00,00,18,00,00,00,63,00,61,00,6d,\n00,6e,00,6f,00,64,00,65,00,2e,00,69,00,6e,00,66,00,00,0a,00,00,00,04,00,\n00,00,eb,1c,5b,af,01,00,00,00,18,00,00,00,69,00,6e,00,73,00,74,00,61,00,6c,\n00,6c,00,2e,00,65,00,78,00,65,00,00,00,00,00,00,00\n\"14\"=hex:0c,00,00,00,45,4e,00,00,01,00,00,00,15,00,00,00,08,00,00,00,00,65,\n00,00,03,00,01,00,00,00,1a,00,00,00,57,00,42,00,53,00,33,00,31,00,44,00,\n4f,00,43,00,2e,00,70,00,64,00,66,00,00,00,00,00,00,00\n\"328\"=hex:0c,00,00,00,20,4e,00,00,02,00,00,00,01,00,00,00,0e,00,00,00,44,00,41,\n00,54,00,41,00,2e,00,5a,00,00,00,02,00,00,00,04,00,00,00,74,cd,46,00,0a,00,\n00,00,04,00,00,00,f2,9a,85,71,01,00,00,00,18,00,00,00,56,00,53,00,43,00,41,\n00,4e,00,4e,00,54,00,2e,00,50,00,44,00,46,00,00,00,02,00,00,00,04,00,00,00,\ndc,07,00,00,0a,00,00,00,04,00,00,00,48,d1,5b,3d,00,00,00,00\n\"329\"=hex:0c,00,00,00,20,4e,00,00,02,00,00,00,01,00,00,00,0e,00,00,00,44,00,41,\n00,54,00,41,00,2e,00,5a,00,00,00,02,00,00,00,04,00,00,00,49,04,27,00,0a,00,\n00,00,04,00,00,00,e0,4e,e6,18,01,00,00,00,1a,00,00,00,56,00,4e,00,54,00,44,\n00,4f,00,43,00,32,00,35,00,2e,00,50,00,44,00,46,00,00,00,00,00,00,00,00,00\n\"332\"=hex:0c,00,00,00,20,4e,00,00,02,00,00,00,01,00,00,00,0e,00,00,00,44,00,41,\n00,54,00,41,00,2e,00,5a,00,00,00,02,00,00,00,04,00,00,00,ef,4f,19,00,0a,00,\n00,00,04,00,00,00,eb,bf,cf,57,01,00,00,00,1a,00,00,00,56,00,4e,00,54,00,44,\n00,4f,00,43,00,32,00,35,00,2e,00,50,00,44,00,46,00,00,00,02,00,00,00,04,00,\n00,00,49,fe,08,00,0a,00,00,00,04,00,00,00,21,ad,a7,24,00,00,00,00\n\"333\"=hex:0c,00,00,00,20,4e,00,00,02,00,00,00,01,00,00,00,0e,00,00,00,44,00,41,\n00,54,00,41,00,2e,00,5a,00,00,00,02,00,00,00,04,00,00,00,fc,2c,2a,00,0a,00,\n00,00,04,00,00,00,3a,a0,76,dc,01,00,00,00,18,00,00,00,56,00,53,00,43,00,41,\n00,4e,00,4e,00,54,00,2e,00,50,00,44,00,46,00,00,00,02,00,00,00,04,00,00,00,\ne5,07,00,00,0a,00,00,00,04,00,00,00,cc,30,8f,f8,00,00,00,00\n\"485\"=hex:0c,00,00,00,20,4e,00,00,02,00,00,00,01,00,00,00,0e,00,00,00,44,00,41,\n00,43,00,41,00,4e,00,4e,00,54,00,2e,00,50,00,44,00,46,00,00,00,01,00,00,00,\n

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0e,00,00,00,44,00,41,00,54,00,41,00,2e,00,5a,00,00,00,02,00,00,00,04,00,00,\
00,97,b3,3f,00,0a,00,00,00,04,00,00,00,f0,89,94,3a,00,00,00,00
"335"=hex:0c,00,00,00,20,4e,00,00,02,00,00,00,01,00,00,0e,00,00,00,44,00,41,\
00,54,00,41,00,2e,00,5a,00,00,00,02,00,00,00,04,00,00,00,57,e1,46,00,0a,00,\
00,00,04,00,00,00,e8,2b,83,33,01,00,00,00,18,00,00,00,4e,00,45,00,54,00,53,\
00,48,00,4c,00,44,00,2e,00,50,00,44,00,46,00,00,00,02,00,00,00,04,00,00,00,\
d7,07,00,00,0a,00,00,00,04,00,00,00,cf,f1,93,ce,00,00,00,00
"337"=hex:0c,00,00,00,20,4e,00,00,02,00,00,00,01,00,00,0e,00,00,00,44,00,41,\
00,54,00,41,00,2e,00,5a,00,00,00,02,00,00,00,04,00,00,00,0d,2b,2a,00,0a,00,\
00,00,04,00,00,00,3a,a0,76,dc,01,00,00,00,18,00,00,00,4e,00,45,00,54,00,53,\
00,48,00,4c,00,44,00,2e,00,50,00,44,00,46,00,00,00,02,00,00,00,04,00,00,00,\
d7,07,00,00,0a,00,00,00,04,00,00,00,d1,d2,07,9f,00,00,00,00
"521"=hex:0c,00,00,00,52,4e,00,00,02,00,00,00,01,00,00,00,12,00,00,00,44,00,41,\
00,54,00,41,00,2e,00,54,00,41,00,47,00,00,00,02,00,00,00,04,00,00,00,7a,00,\
00,00,0a,00,00,00,04,00,00,00,f9,02,dc,c7,01,00,00,00,14,00,00,00,64,00,61,\
00,74,00,61,00,31,00,2e,00,63,00,61,00,62,00,00,00,02,00,00,00,04,00,00,00,\
76,10,07,00,0a,00,00,00,04,00,00,00,54,d1,26,a2,00,00,00,00
"193"=hex:0c,00,00,00,52,4e,00,00,01,00,00,00,01,00,00,00,16,00,00,00,5f,00,53,\
00,45,00,54,00,55,00,50,00,2e,00,44,00,41,00,54,00,00,00,0a,00,00,00,04,00,\
00,00,69,d5,e9,08,01,00,00,00,16,00,00,00,6c,00,61,00,79,00,6f,00,75,00,74,\
00,2e,00,62,00,69,00,6e,00,00,00,02,00,00,00,04,00,00,00,76,01,00,00,01,00,\
00,00,12,00,00,00,6c,00,61,00,6e,00,67,00,2e,00,64,00,61,00,74,00,00,00,01,\
00,00,00,14,00,00,00,64,00,61,00,74,00,61,00,31,00,2e,00,63,00,61,00,62,00,\
00,00,01,00,00,00,14,00,00,00,53,00,45,00,54,00,55,00,50,00,2e,00,49,00,4e,\
00,49,00,00,02,00,00,00,04,00,00,00,44,00,00,00,0a,00,00,00,04,00,00,00,\
69,62,b9,e7,00,00,00,00
"499"=hex:0c,00,00,00,52,4e,00,00,02,00,00,00,01,00,00,00,14,00,00,00,53,00,45,\
00,54,00,55,00,50,00,2e,00,49,00,4e,00,49,00,00,00,02,00,00,00,04,00,00,00,\
44,00,00,00,0a,00,00,00,04,00,00,00,69,62,b9,d7,01,00,00,00,14,00,00,00,64,\
00,61,00,74,00,61,00,31,00,2e,00,63,00,61,00,62,00,00,00,01,00,00,00,12,00,\
00,00,6c,00,61,00,6e,00,67,00,2e,00,64,00,61,00,74,00,00,00,01,00,00,00,16,\
00,00,00,6c,00,61,00,79,00,6f,00,75,00,74,00,2e,00,62,00,69,00,6e,00,00,00,\
02,00,00,00,04,00,00,00,76,01,00,00,01,00,00,16,00,00,00,5f,00,53,00,45,\
00,54,00,55,00,50,00,2e,00,44,00,41,00,54,00,00,00,0a,00,00,00,04,00,00,00,\
15,65,9d,32,00,00,00,00
"61"=hex:0c,00,00,00,51,4e,00,00,02,00,00,00,01,00,00,00,32,00,00,00,62,00,6b,\
00,6f,00,66,00,66,00,69,00,63,00,65,00,5c,00,49,00,33,00,38,00,36,00,5c,00,\
62,00,6f,00,73,00,72,00,65,00,73,00,2e,00,64,00,6c,00,6c,00,00,00,0d,00,00,\
00,18,00,00,00,34,00,2e,00,30,00,30,00,2e,00,30,00,30,00,39,00,31,00,2e,00,\
31,00,00,00,00,00,00,00
"62"=hex:0c,00,00,00,51,4e,00,00,01,00,00,00,0d,00,00,00,18,00,00,00,34,00,2e,\
00,35,00,30,00,2e,00,30,00,37,00,31,00,34,00,2e,00,30,00,00,00,01,00,00,\
32,00,00,00,62,00,6b,00,6f,00,66,00,66,00,69,00,63,00,65,00,5c,00,69,00,33,\
00,38,00,36,00,5c,00,62,00,6f,00,73,00,72,00,65,00,73,00,2e,00,64,00,6c,00,\
6c,00,00,00,00,00,00,00
"65"=hex:0c,00,00,00,67,4e,00,00,01,00,00,00,01,00,00,00,22,00,00,00,49,00,33,\
00,38,00,36,00,5c,00,57,00,33,00,50,00,52,00,4f,00,58,00,59,00,2e,00,44,00,\
4c,00,4c,00,00,00,15,00,00,00,08,00,00,00,e7,03,e7,03,00,00,01,00,00,00,00,\
00
"66"=hex:0c,00,00,00,67,4e,00,00,01,00,00,00,01,00,00,00,24,00,00,00,49,00,33,\
00,38,00,36,00,5c,00,57,00,53,00,50,00,43,00,50,00,4c,00,33,00,32,00,2e,00,\
43,00,50,00,4c,00,00,00,15,00,00,00,08,00,00,00,e7,03,e7,03,00,00,01,00,00,\
00,00,00
"67"=hex:0c,00,00,00,44,4e,00,00,01,00,00,00,01,00,00,00,24,00,00,00,61,00,6c,\
00,70,00,68,00,61,00,5c,00,77,00,33,00,70,00,72,00,6f,00,78,00,79,00,2e,00,\
64,00,6c,00,6c,00,00,00,15,00,00,00,08,00,00,00,e7,03,85,01,00,00,02,00,01,\
00,00,00,22,00,00,00,69,00,33,00,38,00,36,00,5c,00,77,00,33,00,70,00,72,00,\
6f,00,78,00,79,00,2e,00,64,00,6c,00,6c,00,00,00,15,00,00,00,08,00,00,00,e7,\
03,85,01,00,00,02,00,00,00,00,00
"22"=hex:0c,00,00,00,5d,4e,00,00,01,00,00,00,15,00,00,00,08,00,00,00,00,00,00,\
00,00,00,00,00,01,00,00,00,34,00,00,00,64,00,00,00,6f,00,63,00,73,00,5c,00,73,00,\
73,00,5f,00,73,00,65,00,63,00,75,00,72,00,69,00,74,00,79,00,5f,00,61,00,61,\
00,73,00,67,00,2e,00,68,00,74,00,6d,00,00,00,00,00,00,00

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"23"=hex:0c,00,00,00,5d,4e,00,00,01,00,00,00,15,00,00,00,08,00,00,00,00,00,00,\
00,00,00,00,00,01,00,00,00,3a,00,00,00,64,00,00,6f,00,63,00,73,00,5c,00,63,00,\
6f,00,6d,00,5f,00,73,00,69,00,74,00,65,00,63,00,72,00,65,00,61,00,74,00,65,\
00,5f,00,61,00,7a,00,7a,00,6a,00,2e,00,68,00,74,00,6d,00,00,00,00,00,00,00
"24"=hex:0c,00,00,00,5d,4e,00,00,01,00,00,00,15,00,00,00,08,00,00,00,00,e1,\
00,00,00,05,00,01,00,00,00,2c,00,00,00,4d,00,73,00,73,00,64,00,65,00,74,00,\
65,00,63,00,74,00,5c,00,69,00,69,00,73,00,5f,00,73,00,72,00,76,00,2e,00,69,\
00,6e,00,66,00,00,00,00,00,00,00
"28"=hex:0c,00,00,00,2f,4e,00,00,02,00,00,00,15,00,00,00,08,00,00,00,af,08,00,\
00,0a,00,04,00,01,00,00,00,26,00,00,00,77,00,69,00,6e,00,39,00,38,00,5c,00,\
77,00,39,00,38,00,73,00,65,00,74,00,75,00,70,00,2e,00,62,00,69,00,6e,00,00,\
00,00,00,00,00
"302"=hex:0c,00,00,00,33,4e,00,00,01,00,00,00,01,00,00,00,12,00,00,00,44,00,41,\
00,54,00,41,00,2e,00,54,00,41,00,47,00,00,00,02,00,00,00,04,00,00,00,71,00,\
00,00,0a,00,00,00,04,00,00,00,2c,ff,5a,9c,01,00,00,00,14,00,00,00,64,00,61,\
00,74,00,61,00,31,00,2e,00,63,00,61,00,62,00,00,00,02,00,00,00,04,00,00,00,\
e3,c4,06,00,0a,00,00,00,04,00,00,00,d7,56,cd,47,00,00,00,00
"410"=hex:0c,00,00,00,33,4e,00,00,01,00,00,00,01,00,00,00,14,00,00,00,44,00,41,\
00,54,00,41,00,38,00,2e,00,43,00,41,00,42,00,00,00,02,00,00,00,04,00,00,00,\
24,6f,10,00,0a,00,00,00,04,00,00,00,47,8e,1f,f6,01,00,00,00,14,00,00,00,44,\
00,41,00,54,00,41,00,37,00,2e,00,43,00,41,00,42,00,00,00,02,00,00,00,04,00,\
00,00,a8,03,16,00,0a,00,00,00,04,00,00,00,71,f6,a3,47,01,00,00,00,14,00,00,\
00,44,00,41,00,54,00,41,00,36,00,2e,00,43,00,41,00,42,00,00,00,02,00,00,00,\
04,00,00,00,49,20,16,00,0a,00,00,00,04,00,00,00,3f,8b,56,92,01,00,00,00,14,\
00,00,00,44,00,41,00,54,00,41,00,35,00,2e,00,43,00,41,00,42,00,00,00,01,00,\
00,00,14,00,00,00,44,00,41,00,54,00,41,00,34,00,00,2e,00,43,00,41,00,42,00,\
00,01,00,00,00,14,00,00,00,44,00,41,00,54,00,41,00,33,00,2e,00,43,00,41,00,\
42,00,00,00,01,00,00,00,14,00,00,00,44,00,41,00,54,00,41,00,32,00,2e,00,43,\
00,41,00,42,00,00,00,01,00,00,00,14,00,00,00,44,00,41,00,54,00,41,00,31,00,\
2e,00,43,00,41,00,42,00,00,00,02,00,00,00,04,00,00,00,8d,82,06,00,0a,00,00,\
00,04,00,00,00,6d,00,71,5c,01,00,00,00,12,00,00,00,4c,00,41,00,4e,00,47,00,\
2e,00,44,00,41,00,54,00,00,00,02,00,00,00,04,00,00,00,ad,11,00,00,0a,00,00,\
00,04,00,00,00,26,f7,04,41,01,00,00,00,12,00,00,00,44,00,41,00,54,00,41,00,\
2e,00,54,00,41,00,47,00,00,00,02,00,00,00,04,00,00,00,71,00,00,00,0a,00,00,\
00,04,00,00,00,2c,ff,5a,9c,00,00,00,00
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00,00,0a,00,00,00,04,00,00,00,80,b6,b3,f0,01,00,00,00,14,00,00,00,44,00,41,\
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00,41,00,54,00,41,00,34,00,2e,00,43,00,41,00,42,00,00,00,02,00,00,00,04,00,\
00,00,40,0b,16,00,0a,00,00,00,04,00,00,00,d3,03,e8,5f,01,00,00,00,14,00,00,\
00,44,00,41,00,54,00,41,00,33,00,2e,00,43,00,41,00,42,00,00,00,02,00,00,00,\
04,00,00,00,ca,06,16,00,0a,00,00,00,04,00,00,00,cd,18,ba,ad,01,00,00,00,14,\
00,00,00,44,00,41,00,54,00,41,00,32,00,2e,00,43,00,41,00,42,00,00,00,02,00,\
00,00,04,00,00,00,d7,0d,16,00,0a,00,00,00,04,00,00,00,c0,54,88,39,01,00,00,\
00,14,00,00,00,44,00,41,00,54,00,41,00,31,00,2e,00,43,00,41,00,42,00,00,\
02,00,00,00,04,00,00,00,a2,b4,07,00,0a,00,00,00,04,00,00,00,d2,0d,e5,ff,01,\
00,00,00,12,00,00,00,44,00,41,00,54,00,41,00,2e,00,54,00,41,00,47,00,00,\
02,00,00,00,04,00,00,00,6e,00,00,00,0a,00,00,00,04,00,00,00,0c,22,c2,a1,01,\
00,00,00,16,00,00,00,43,00,4f,00,4e,00,46,00,49,00,47,00,2e,00,49,00,4e,00,\
46,00,00,00,00,00,00,00
"414"=hex:0c,00,00,00,33,4e,00,00,01,00,00,00,01,00,00,00,12,00,00,00,4c,00,41,\
00,4e,00,47,00,2e,00,44,00,41,00,54,00,00,00,02,00,00,00,04,00,00,00,cd,11,\
00,00,0a,00,00,00,04,00,00,00,80,b6,b3,f0,01,00,00,00,14,00,00,00,44,00,41,\
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00,41,00,54,00,41,00,34,00,2e,00,43,00,41,00,42,00,00,00,02,00,00,00,04,00,\
00,00,ea,09,16,00,0a,00,00,00,04,00,00,00,1a,9e,11,72,01,00,00,00,14,00,00,\
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04,00,00,00,54,03,16,00,0a,00,00,00,04,00,00,00,b8,88,c8,45,01,00,00,00,14,\
00,00,00,44,00,41,00,54,00,41,00,32,00,2e,00,43,00,41,00,42,00,00,00,02,00,\
00,00,04,00,00,00,7f,06,16,00,0a,00,00,00,04,00,00,00,a6,af,fe,99,01,00,00,\

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00,00,00,12,00,00,00,44,00,41,00,54,00,41,00,2e,00,54,00,41,00,47,00,00,00,\
02,00,00,00,04,00,00,00,6e,00,00,00,0a,00,00,00,04,00,00,00,0c,22,c2,a1,01,\
00,00,00,16,00,00,00,43,00,4f,00,4e,00,46,00,49,00,47,00,2e,00,49,00,4e,00,\
46,00,00,00,00,00,00,00
"415"-hex:0c,00,00,00,33,4e,00,00,01,00,00,00,01,00,00,00,12,00,00,00,4c,00,41,\
00,4e,00,47,00,2e,00,44,00,41,00,54,00,00,00,02,00,00,00,04,00,00,00,ad,11,\
00,00,0a,00,00,00,04,00,00,00,26,f7,04,41,01,00,00,00,18,00,00,00,50,00,41,\
00,52,00,54,00,4e,00,55,00,4d,00,2e,00,44,00,41,00,54,00,00,00,02,00,00,00,\
04,00,00,00,20,00,00,00,0a,00,00,00,04,00,00,00,d2,9a,a8,e3,01,00,00,00,16,\
00,00,00,43,00,4f,00,4e,00,46,00,49,00,47,00,2e,00,49,00,4e,00,46,00,00,00,\
01,00,00,00,12,00,00,00,44,00,41,00,54,00,41,00,2e,00,54,00,41,00,47,00,00,\
00,02,00,00,00,04,00,00,00,71,00,00,00,0a,00,00,00,04,00,00,00,2c,ff,5a,9c,\
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00,00,00,02,00,00,00,04,00,00,00,8d,82,06,00,0a,00,00,00,04,00,00,00,6d,00,\
71,5c,00,00,00,00
"417"-hex:0c,00,00,00,33,4e,00,00,01,00,00,00,01,00,00,00,14,00,00,00,44,00,41,\
00,54,00,41,00,31,00,2e,00,43,00,41,00,42,00,00,00,02,00,00,00,04,00,00,00,\
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6e,00,00,00,0a,00,00,00,04,00,00,00,0c,22,c2,a1,01,00,00,00,16,00,00,00,43,\
00,4f,00,4e,00,46,00,49,00,47,00,2e,00,49,00,4e,00,46,00,00,00,02,00,00,00,\
04,00,00,00,9d,05,00,00,0a,00,00,00,04,00,00,00,d3,e1,fe,aa,01,00,00,00,12,\
00,00,00,4c,00,41,00,4e,00,47,00,2e,00,44,00,41,00,54,00,00,00,02,00,00,00,\
04,00,00,00,cd,11,00,00,0a,00,00,00,04,00,00,00,80,b6,b3,f0,01,00,00,00,18,\
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00,00,02,00,00,00,04,00,00,00,1f,00,00,00,0a,00,00,00,04,00,00,00,74,08,86,\
77,00,00,00,00
"418"-hex:0c,00,00,00,33,4e,00,00,01,00,00,00,01,00,00,00,12,00,00,00,44,00,41,\
00,54,00,41,00,2e,00,54,00,41,00,47,00,00,00,02,00,00,00,04,00,00,00,6e,00,\
00,00,0a,00,00,00,04,00,00,00,0c,22,c2,a1,01,00,00,00,16,00,00,00,43,00,4f,\
00,4e,00,46,00,49,00,47,00,2e,00,49,00,4e,00,46,00,00,00,02,00,00,04,00,\
00,00,9d,05,00,00,0a,00,00,00,04,00,00,00,d3,e1,fe,aa,01,00,00,00,14,00,00,\
00,44,00,41,00,54,00,41,00,31,00,2e,00,43,00,41,00,42,00,00,00,02,00,00,00,\
04,00,00,00,20,ac,07,00,0a,00,00,00,04,00,00,00,41,0e,05,26,01,00,00,00,12,\
00,00,00,4c,00,41,00,4e,00,47,00,2e,00,44,00,41,00,54,00,00,00,02,00,00,00,\
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00,00,00,50,00,41,00,52,00,54,00,4e,00,55,00,4d,00,2e,00,44,00,41,00,54,00,\
00,00,02,00,00,00,04,00,00,00,1f,00,00,00,0a,00,00,00,04,00,00,00,74,87,a5,\
75,00,00,00,00
"419"-hex:0c,00,00,00,33,4e,00,00,01,00,00,00,01,00,00,00,16,00,00,00,63,00,6f,\
00,6e,00,66,00,69,00,67,00,2e,00,69,00,6e,00,66,00,00,00,02,00,00,04,00,\
00,00,9d,05,00,00,0a,00,00,00,04,00,00,00,d3,e1,fe,aa,01,00,00,00,14,00,00,\
00,64,00,61,00,74,00,61,00,35,00,2e,00,63,00,61,00,62,00,00,00,02,00,00,00,\
04,00,00,00,8b,df,13,00,0a,00,00,00,04,00,00,00,34,ea,0f,de,01,00,00,00,14,\
00,00,00,64,00,61,00,74,00,61,00,34,00,2e,00,63,00,61,00,62,00,00,02,00,\
00,00,04,00,00,00,a0,11,16,00,0a,00,00,00,04,00,00,00,5b,2e,c3,ec,01,00,00,\
00,14,00,00,00,64,00,61,00,74,00,61,00,33,00,2e,00,63,00,61,00,62,00,00,00,\
02,00,00,00,04,00,00,00,1f,0a,16,00,0a,00,00,00,04,00,00,00,91,fa,c5,68,01,\
00,00,00,14,00,00,00,64,00,61,00,74,00,61,00,32,00,2e,00,63,00,61,00,62,00,\
00,00,02,00,00,00,04,00,00,00,6f,06,16,00,0a,00,00,00,04,00,00,00,9f,b4,b4,\
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2e,00,64,00,61,00,74,00,00,00,02,00,00,00,04,00,00,00,1f,00,00,00,0a,00,00,\
00,04,00,00,00,74,08,86,77,00,00,00,00
"420"-hex:0c,00,00,00,33,4e,00,00,01,00,00,00,01,00,00,00,1a,00,00,00,2e,00,2e,\
00,5c,00,64,00,61,00,74,00,61,00,35,00,2e,00,63,00,61,00,62,00,00,00,02,00,\
00,00,04,00,00,00,8b,df,13,00,0a,00,00,00,04,00,00,00,34,ea,0f,de,01,00,00,\
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00,0a,00,00,00,04,00,00,00,91,fa,c5,68,01,00,00,00,1a,00,00,00,2e,00,2e,00,\
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00,00,00,02,00,00,00,04,00,00,00,1f,00,00,00,0a,00,00,00,04,00,00,00,74,08,\
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00,62,00,00,00,02,00,00,00,04,00,00,00,b1,2c,08,00,0a,00,00,00,04,00,00,00,\
30,8d,39,ab,00,00,00,00
"421"-hex:0c,00,00,00,33,4e,00,00,01,00,00,00,01,00,00,00,18,00,00,00,70,00,61,\
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00,00,00,6c,00,61,00,6e,00,67,00,2e,00,64,00,61,00,74,00,00,00,02,00,00,\
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00,00,00,64,00,61,00,74,00,61,00,38,00,2e,00,63,00,61,00,62,00,00,00,02,00,\
00,00,04,00,00,00,ae,52,11,00,0a,00,00,00,04,00,00,00,77,2a,ea,af,01,00,00,\
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00,00,02,00,00,00,04,00,00,00,4f,0f,16,00,0a,00,00,00,04,00,00,00,56,71,97,\
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00,00,00,34,0e,08,b5,01,00,00,00,14,00,00,00,64,00,61,00,74,00,61,00,31,00,\
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00,04,00,00,00,d8,29,48,9e,01,00,00,00,12,00,00,00,44,00,41,00,54,00,41,00,\
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00,04,00,00,00,2c,ff,5a,9c,01,00,00,00,16,00,00,00,63,00,6f,00,6e,00,66,00,\
69,00,67,00,2e,00,69,00,6e,00,66,00,00,00,00,00,00,00
"422"-hex:0c,00,00,00,33,4e,00,00,01,00,00,00,01,00,00,00,18,00,00,00,70,00,61,\
00,72,00,74,00,6e,00,75,00,6d,00,2e,00,64,00,61,00,74,00,00,00,02,00,00,00,\
04,00,00,00,1f,00,00,00,0a,00,00,00,04,00,00,00,74,87,a5,75,01,00,00,00,12,\
00,00,00,6c,00,61,00,6e,00,67,00,2e,00,64,00,61,00,74,00,00,00,02,00,00,\
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00,00,04,00,00,00,ed,e3,05,00,0a,00,00,00,04,00,00,00,d8,29,48,9e,01,00,00,\
00,12,00,00,00,44,00,41,00,54,00,41,00,2e,00,54,00,41,00,47,00,00,00,02,00,\
00,00,04,00,00,00,71,00,00,00,0a,00,00,00,04,00,00,00,2c,ff,5a,9c,01,00,00,\
00,16,00,00,00,63,00,6f,00,6e,00,66,00,69,00,67,00,2e,00,69,00,6e,00,66,00,\
00,00,00,00,00,00
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04,00,00,00,1f,00,00,00,0a,00,00,00,04,00,00,00,74,00,00,00,02,00,00,00,\
00,00,00,6c,00,61,00,6e,00,67,00,2e,00,64,00,61,00,74,00,00,00,02,00,00,\
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00,00,00,64,00,61,00,74,00,61,00,38,00,2e,00,63,00,61,00,62,00,00,00,02,00,\
00,00,04,00,00,00,b2,2d,11,00,0a,00,00,00,04,00,00,00,04,00,00,00,02,aa,88,01,00,\
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00,00,02,00,00,00,04,00,00,00,f9,15,16,00,0a,00,00,00,04,00,00,00,00,00,00,\
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00,00,00,04,00,00,2c,ff,5a,9c,01,00,00,16,00,00,63,00,6f,00,6e,00,\
66,00,69,00,67,00,2e,00,69,00,6e,00,66,00,00,00,00,00,00
"424"-hex:0c,00,00,00,33,4e,00,00,01,00,00,00,01,00,00,00,18,00,00,00,70,00,61,\
00,72,00,74,00,6e,00,75,00,6d,00,2e,00,64,00,61,00,74,00,00,00,02,00,00,00,\
04,00,00,00,1f,00,00,00,0a,00,00,04,00,00,00,f4,47,07,7b,01,00,00,00,12,\
00,00,00,6c,00,61,00,6e,00,67,00,2e,00,64,00,61,00,74,00,00,00,02,00,00,00,\
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00,00,00,64,00,61,00,74,00,61,00,31,00,2e,00,63,00,61,00,62,00,00,00,02,00,\
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00,00,04,00,00,71,00,00,00,0a,00,00,00,04,00,00,00,2c,ff,5a,9c,01,00,00,\
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00,00,00,00,00,00
"426"-hex:0c,00,00,00,33,4e,00,00,01,00,00,00,01,00,00,00,12,00,00,00,4c,00,41,\
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00,00,0a,00,00,00,04,00,00,00,26,f7,04,41,01,00,00,00,14,00,00,00,44,00,41,\
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00,00,00,02,00,00,04,00,00,00,22,00,00,00,0a,00,00,00,04,00,00,00,93,3a,\
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"427"-hex:0c,00,00,00,33,4e,00,00,01,00,00,00,01,00,00,00,12,00,00,00,4c,00,41,\
00,4e,00,47,00,2e,00,44,00,41,00,54,00,00,00,02,00,00,00,04,00,00,00,ad,11,\
00,00,03,00,00,00,04,00,00,00,00,00,01,00,00,00,14,00,00,00,44,00,41,\
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00,41,00,54,00,41,00,37,00,2e,00,43,00,41,00,42,00,00,00,02,00,00,00,04,00,\
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04,00,00,00,9b,16,16,00,0a,00,00,00,04,00,00,00,85,10,71,59,01,00,00,00,14,\
00,00,00,44,00,41,00,54,00,41,00,35,00,2e,00,43,00,41,00,42,00,00,00,02,00,\
00,00,04,00,00,00,4a,1a,16,00,0a,00,00,00,04,00,00,00,f4,7e,48,bd,01,00,00,\
00,14,00,00,00,44,00,41,00,54,00,41,00,34,00,2e,00,43,00,41,00,42,00,00,00,\
02,00,00,00,04,00,00,00,f5,0b,16,00,0a,00,00,00,04,00,00,00,80,ea,8c,75,01,\
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00,00,02,00,00,00,04,00,00,00,ed,08,16,00,0a,00,00,00,04,00,00,00,89,4d,07,\
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00,2c,ff,5a,9c,01,00,00,00,16,00,00,00,43,00,4f,00,4e,00,46,00,49,00,47,00,\
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"430"-hex:0c,00,00,00,33,4e,00,00,01,00,00,00,01,00,00,00,12,00,00,00,6c,00,61,\
00,6e,00,67,00,2e,00,64,00,61,00,74,00,00,00,02,00,00,00,04,00,00,00,ad,11,\
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00,72,00,74,00,6e,00,75,00,6d,00,2e,00,64,00,61,00,74,00,00,00,02,00,00,00,\
04,00,00,00,1f,00,00,00,0a,00,00,00,04,00,00,00,74,08,86,77,01,00,00,00,16,\
00,00,00,43,00,6f,00,6e,00,66,00,69,00,67,00,2e,00,69,00,6e,00,66,00,00,00,\
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00,02,00,00,00,04,00,00,00,71,00,00,00,0a,00,00,00,04,00,00,00,2c,f7,5a,9c,\
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ed,ee,fc,6c,01,00,00,00,14,00,00,00,64,00,61,00,74,00,61,00,33,00,2e,00,63,\
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00,2e,00,63,00,61,00,62,00,00,00,02,00,00,00,04,00,00,00,e9,4e,07,00,0a,00,\
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00,00,00,71,00,00,00,0a,00,00,00,04,00,00,00,2c,f7,5a,9c,01,00,00,00,14,00,\
00,00,64,00,61,00,74,00,61,00,31,00,2e,00,63,00,61,00,62,00,00,00,02,00,00,\
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00,00,00,02,00,00,00,04,00,00,00,1f,00,00,00,0a,00,00,00,04,00,00,00,74,08,\
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00,00,04,00,00,00,71,00,00,00,0a,00,00,00,04,00,00,00,2c,ff,5a,9c,01,00,00,\
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00,00,00,00,00,00
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00,41,00,42,00,00,00,02,00,00,00,04,00,00,00,c8,04,16,00,0a,00,00,00,04,00,\
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00,43,00,4f,00,4e,00,46,00,49,00,47,00,2e,00,49,00,4e,00,46,00,00,00,00,00,\
00,00
"435"=hex:0c,00,00,00,33,4e,00,00,01,00,00,00,01,00,00,00,18,00,00,00,50,00,41,\
00,52,00,54,00,4e,00,55,00,4d,00,2e,00,44,00,41,00,54,00,00,00,02,00,00,00,\
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00,00,00,4c,00,41,00,4e,00,47,00,2e,00,44,00,41,00,54,00,00,00,02,00,00,00,\
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00,00,00,00,00
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00,4f,00,47,00,52,00,41,00,4d,00,2e,00,5a,00,00,00,02,00,00,00,04,00,00,00,\
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00,15,00,04,00,01,00,00,00,1a,00,00,00,4e,00,55,00,4c,00,49,00,56,00,45,00,\
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00,0a,00,00,00,04,00,00,00,cb,04,99,a3,01,00,00,00,18,00,00,00,4e,00,55,00,\
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00,00,00,3c,2e,00,00,0a,00,00,00,04,00,00,00,77,90,e9,2b,01,00,00,00,16,00,\
00,00,4e,00,55,00,4c,00,49,00,56,00,45,00,2e,00,44,00,4c,00,24,00,00,00,02,\
00,00,00,04,00,00,00,56,52,00,00,0a,00,00,00,04,00,00,00,8e,6c,0d,e9,01,00,\
00,00,1a,00,00,00,53,00,33,00,32,00,4c,00,49,00,56,00,45,00,31,00,2e,00,44,\
00,4c,00,24,00,00,00,02,00,00,00,04,00,00,00,26,39,03,00,0a,00,00,00,04,00,\
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00,0a,00,00,00,04,00,00,00,b2,e1,d6,27,01,00,00,00,18,00,00,00,4e,00,55,00,\
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00,00,00,47,2e,00,00,0a,00,00,00,04,00,00,00,c5,01,68,47,01,00,00,00,16,00,\
00,00,4e,00,55,00,4c,00,49,00,56,00,45,00,2e,00,44,00,4c,00,24,00,00,00,02,\
00,00,00,04,00,00,00,79,51,00,00,0a,00,00,00,04,00,00,00,fc,08,c5,47,01,00,\
00,00,1a,00,00,00,53,00,33,00,32,00,4c,00,49,00,56,00,45,00,31,00,2e,00,44,\
00,4c,00,24,00,00,00,02,00,00,00,04,00,00,00,96,38,03,00,0a,00,00,00,04,00,\
00,00,b3,3a,e2,9d,00,00,00,00
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00,0a,00,00,00,04,00,00,00,25,fa,8c,f8,01,00,00,00,18,00,00,00,4e,00,55,00,\
4c,00,49,00,56,00,45,00,4c,00,2e,00,45,00,58,00,24,00,00,00,02,00,00,00,04,\
00,00,00,2d,2e,00,00,0a,00,00,00,04,00,00,00,c7,43,2d,1d,01,00,00,00,16,00,\
00,00,4e,00,55,00,4c,00,49,00,56,00,45,00,2e,00,44,00,4c,00,24,00,00,00,02,\
00,00,00,04,00,00,00,9d,52,00,00,0a,00,00,00,04,00,00,00,12,08,6a,04,01,00,\
00,00,1a,00,00,00,53,00,33,00,32,00,4c,00,49,00,56,00,45,00,31,00,2e,00,44,\
00,4c,00,24,00,00,00,02,00,00,00,04,00,00,00,69,38,03,00,0a,00,00,00,04,00,\
00,00,96,8a,58,ec,00,00,00,00
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00,6f,00,75,00,6e,00,74,00,69,00,6e,00,67,00,20,00,55,00,73,00,65,00,72,00,\
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00,02,00,00,00,04,00,00,00,cd,d6,9a,00,0a,00,00,00,04,00,00,00,aa,7a,e7,6c,\
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00,00,00,02,00,00,00,04,00,00,00,4f,00,00,00,0a,00,00,00,04,00,00,00,79,67,\
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24,00,01,00,00,00,1a,00,00,00,44,00,00,00,44,00,52,00,49,00,4d,00,41,00,47,00,45,00,52,\
00,2e,00,49,00,43,00,4f,00,00,00,00,00,00,00
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24,00,01,00,00,00,1a,00,00,00,44,00,00,00,44,00,52,00,49,00,4d,00,41,00,47,00,45,00,52,\
00,2e,00,49,00,43,00,4f,00,00,00,00,00,00,00
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"209"=hex:0c,00,00,00,48,4e,00,00,01,00,00,00,01,00,00,00,12,00,00,00,44,00,49,\
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00,2e,00,49,00,43,00,4f,00,00,00,00,00,00,00
"211"=hex:0c,00,00,00,48,4e,00,00,01,00,00,00,01,00,00,00,12,00,00,00,44,00,49,\
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00,2e,00,49,00,43,00,4f,00,00,00,00,00,00,00
"212"=hex:0c,00,00,00,48,4e,00,00,01,00,00,00,01,00,00,00,12,00,00,00,44,00,49,\
00,41,00,50,00,50,00,53,00,2e,00,5a,00,00,00,02,00,00,00,04,00,00,00,a0,7a,\
25,00,01,00,00,00,1a,00,00,00,44,00,52,00,49,00,4d,00,41,00,47,00,45,00,52,\
00,2e,00,49,00,43,00,4f,00,00,00,00,00,00,00
"213"=hex:0c,00,00,00,48,4e,00,00,01,00,00,00,01,00,00,00,12,00,00,00,44,00,49,\
00,41,00,50,00,50,00,53,00,2e,00,5a,00,00,00,02,00,00,00,04,00,00,00,9a,96,\
25,00,01,00,00,00,1a,00,00,00,44,00,52,00,49,00,4d,00,41,00,47,00,45,00,52,\
00,2e,00,49,00,43,00,4f,00,00,00,00,00,00,00
"214"=hex:0c,00,00,00,48,4e,00,00,01,00,00,00,01,00,00,00,12,00,00,00,44,00,49,\
00,41,00,50,00,50,00,53,00,2e,00,5a,00,00,00,02,00,00,00,04,00,00,00,d8,a8,\
25,00,01,00,00,00,1a,00,00,00,44,00,52,00,49,00,4d,00,41,00,47,00,45,00,52,\
00,2e,00,49,00,43,00,4f,00,00,00,00,00,00,00
"215"=hex:0c,00,00,00,48,4e,00,00,01,00,00,00,01,00,00,00,12,00,00,00,44,00,49,\
00,41,00,50,00,50,00,53,00,2e,00,5a,00,00,00,02,00,00,00,04,00,00,00,42,e7,\
2a,00,01,00,00,00,1a,00,00,00,44,00,52,00,49,00,4d,00,41,00,47,00,45,00,52,\
00,2e,00,49,00,43,00,4f,00,00,00,00,00,00,00
"216"=hex:0c,00,00,00,48,4e,00,00,01,00,00,00,01,00,00,00,12,00,00,00,44,00,49,\

00,00
"388"=hex:0c,00,00,00,31,4e,00,00,02,00,00,01,00,00,0a,00,00,00,63,00,73,\
00,2e,00,32,00,00,02,00,00,04,00,00,00,79,5d,15,00,0a,00,00,04,00,\
00,00,c8,15,ac,20,01,00,00,0a,00,00,00,63,00,73,00,2e,00,31,00,00,02,\
00,00,00,04,00,00,00,84,ca,07,00,0a,00,00,00,04,00,00,00,6b,11,46,a9,00,00,\
00,00
"389"=hex:0c,00,00,00,31,4e,00,00,02,00,00,01,00,00,0a,00,00,00,43,00,53,\
00,2e,00,32,00,00,02,00,00,04,00,00,00,2f,63,15,00,0a,00,00,04,00,\
00,00,91,52,ea,93,01,00,00,0a,00,00,00,43,00,53,00,2e,00,31,00,00,02,\
00,00,00,04,00,00,00,96,cb,07,00,0a,00,00,00,04,00,00,00,cd,05,34,d6,00,00,\
00,00
"470"=hex:0c,00,00,00,31,4e,00,00,02,00,00,01,00,00,0a,00,00,00,43,00,53,\
00,2e,00,32,00,00,02,00,00,04,00,00,00,02,d4,15,00,0a,00,00,04,00,\
00,00,c2,59,67,38,01,00,00,0a,00,00,00,43,00,53,00,2e,00,31,00,00,02,\
00,00,00,04,00,00,00,83,cd,07,00,0a,00,00,00,04,00,00,00,64,99,b8,32,00,00,\
00,00
"519"=hex:0c,00,00,00,31,4e,00,00,02,00,00,01,00,00,0a,00,00,00,43,00,53,\
00,2e,00,31,00,00,02,00,00,04,00,00,00,6b,ca,07,00,0a,00,00,04,00,\
00,00,6b,11,46,a9,01,00,00,0a,00,00,00,43,00,53,00,2e,00,32,00,00,02,\
00,00,00,04,00,00,00,af,5d,15,00,0a,00,00,00,04,00,00,00,c8,15,ac,20,00,00,\
00,00
"127"=hex:0c,00,00,00,27,4e,00,00,01,00,00,00,15,00,00,08,00,00,00,00,\
00,00,00,00,01,00,00,00,16,00,00,00,53,00,69,00,77,00,70,00,63,00,61,00,\
2e,00,64,00,6c,00,6c,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00
"8"=hex:0c,00,00,00,27,4e,00,00,01,00,00,00,15,00,00,08,00,00,00,00,04,\
00,14,00,04,00,01,00,00,00,16,00,00,00,53,00,69,00,77,00,70,00,63,00,61,00,\
2e,00,64,00,6c,00,5f,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00
"465"=hex:0c,00,00,00,27,4e,00,00,01,00,00,00,15,00,00,08,00,00,00,88,00,00,\
00,00,00,00,01,00,00,00,1a,00,00,00,69,00,73,00,63,00,75,00,73,00,74,00,\
6f,00,6d,00,2e,00,64,00,6c,00,6c,00,00,00,0e,00,00,00,16,00,00,70,00,63,\
00,41,00,6e,00,79,00,77,00,68,00,65,00,72,00,65,00,00,15,00,00,08,00,\
00,00,88,00,00,00,00,09,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00
"467"=hex:0c,00,00,00,27,4e,00,00,01,00,00,00,15,00,00,08,00,00,00,88,00,00,\
00,00,00,09,00,01,00,00,00,60,00,00,00,49,00,4e,00,53,00,54,00,41,00,4c,00,\
4c,00,53,00,5c,00,70,00,63,00,41,00,6e,00,79,00,77,00,68,00,65,00,72,00,65,\
00,5c,00,50,00,63,00,61,00,33,00,32,00,5c,00,43,00,44,00,5c,00,44,00,69,00,\
73,00,6b,00,31,00,5c,00,69,00,73,00,63,00,75,00,73,00,74,00,6f,00,6d,00,2e,\
00,64,00,6c,00,6c,00,00,00,15,00,00,00,08,00,00,00,88,00,00,00,00,00,09,00,\
00,00,00,00
"9"=hex:0c,00,00,00,29,4e,00,00,01,00,00,00,15,00,00,08,00,00,00,00,5f,\
00,00,00,03,00,01,00,00,00,1a,00,00,00,53,00,73,00,63,00,72,00,64,00,62,00,\
75,00,73,00,2e,00,69,00,6e,00,69,00,00,00,00,00,00,00,00,00,00,00,00,00
"10"=hex:0c,00,00,00,2a,4e,00,00,01,00,00,00,15,00,00,08,00,00,00,00,5f,\
00,00,00,03,00,01,00,00,00,1a,00,00,00,52,00,65,00,61,00,64,00,6d,00,65,00,\
70,00,70,00,2e,00,74,00,78,00,74,00,00,00,00,00,00,00,00,00,00,00,00,00
"320"=hex:0c,00,00,00,5e,4e,00,00,02,00,00,01,00,00,00,26,00,00,00,4c,00,4c,\
00,57,00,33,00,32,00,5c,00,4c,00,4c,00,57,00,53,00,45,00,54,00,55,00,50,00,\
2e,00,49,00,4e,00,49,00,00,01,00,00,00,20,00,00,00,4c,00,4c,00,57,00,33,\
00,32,00,5c,00,53,00,45,00,50,00,54,00,55,00,2e,00,50,00,4b,00,47,00,00,\
02,00,00,00,04,00,00,00,18,04,00,00,0a,00,00,00,04,00,00,00,7e,de,70,91,00,\
00,00,00
"321"=hex:0c,00,00,00,5e,4e,00,00,02,00,00,01,00,00,00,18,00,00,00,4c,00,4c,\
00,57,00,33,00,32,00,5c,00,4c,00,4c,00,57,00,2e,00,31,00,00,00,01,00,00,00,\
20,00,00,00,4c,00,4c,00,4c,00,57,00,33,00,32,00,5c,00,53,00,45,00,54,00,55,00,50,\
00,2e,00,50,00,4b,00,47,00,00,02,00,00,00,04,00,00,00,a5,03,00,00,0a,00,\
00,00,04,00,00,00,8a,e5,9e,24,00,00,00,00
"323"=hex:0c,00,00,00,5e,4e,00,00,02,00,00,01,00,00,00,16,00,00,00,5f,00,53,\
00,45,00,54,00,55,00,50,00,2e,00,4c,00,49,00,42,00,00,00,02,00,00,04,00,\
00,00,79,30,09,00,0a,00,00,00,04,00,00,00,8a,6a,d8,9a,01,00,00,00,10,00,00,\
00,4c,00,4c,00,57,00,4e,00,54,00,2e,00,38,00,00,00,00,00,00,00,00,00,00,00
"326"=hex:0c,00,00,00,5e,4e,00,00,02,00,00,01,00,00,00,10,00,00,00,4c,00,4c,\
00,57,00,4e,00,54,00,2e,00,38,00,00,00,01,00,00,00,16,00,00,00,5f,00,53,00,\
45,00,54,00,55,00,50,00,2e,00,4c,00,49,00,42,00,00,00,02,00,00,00,04,00,00,\

00,0c,cb,09,00,0a,00,00,00,04,00,00,00,9a,93,52,f3,00,00,00,00
"5"=hex:0c,00,00,00,21,4e,00,00,02,00,00,00,01,00,00,00,16,00,00,00,56,00,53,\
00,54,00,41,00,5f,00,33,00,32,00,2e,00,44,00,5f,00,00,00,02,00,00,04,00,\
00,00,ee,27,05,00,0a,00,00,00,04,00,00,00,d1,03,03,eb,01,00,00,00,10,00,00,\
00,56,00,53,00,54,00,41,00,2e,00,44,00,5f,00,00,00,02,00,00,00,04,00,00,\
66,2a,05,00,0a,00,00,00,04,00,00,00,83,95,f2,5d,00,00,00,00
"471"=hex:0c,00,00,00,21,4e,00,00,02,00,00,00,01,00,00,00,16,00,00,00,56,00,53,\
00,54,00,41,00,5f,00,33,00,32,00,2e,00,44,00,5f,00,00,00,02,00,00,04,00,\
00,00,db,41,05,00,0a,00,00,00,04,00,00,00,14,f0,d8,0b,01,00,00,00,1a,00,00,\
00,55,00,4d,00,41,00,58,00,43,00,4c,00,41,00,53,00,2e,00,44,00,4c,00,5f,00,\
00,00,02,00,00,00,04,00,00,00,2b,26,00,00,0a,00,00,00,04,00,00,00,70,f5,9e,\
83,00,00,00,00
"472"=hex:0c,00,00,00,21,4e,00,00,02,00,00,00,01,00,00,00,42,00,00,00,56,00,49,\
00,53,00,54,00,53,00,43,00,41,00,4e,00,5c,00,45,00,4e,00,47,00,4c,00,49,00,\
53,00,48,00,5c,00,44,00,49,00,53,00,4b,00,31,00,5c,00,56,00,53,00,54,00,41,\
00,33,00,32,00,2e,00,44,00,5f,00,00,00,02,00,00,00,04,00,00,00,bc,41,05,00,\
0a,00,00,00,04,00,00,00,50,5f,51,4b,01,00,00,00,44,00,00,00,56,00,49,00,53,\
00,54,00,53,00,43,00,41,00,4e,00,5c,00,45,00,4e,00,47,00,4c,00,49,00,53,00,\
48,00,5c,00,44,00,49,00,53,00,4b,00,31,00,5c,00,56,00,53,00,54,00,41,00,5f,\
00,33,00,32,00,2e,00,44,00,5f,00,00,00,02,00,00,00,04,00,00,00,db,41,05,00,\
0a,00,00,00,04,00,00,00,14,f0,d8,0b,00,00,00,00
"72"=hex:0c,00,00,00,4b,4e,00,00,02,00,00,00,01,00,00,00,18,00,00,00,53,00,43,\
00,4f,00,53,00,57,00,5f,00,41,00,2e,00,53,00,59,00,53,00,00,00,02,00,00,00,\
04,00,00,00,e5,3d,00,00,0a,00,00,00,04,00,00,00,23,7b,76,fb,01,00,00,00,12,\
00,00,00,56,00,43,00,4f,00,4d,00,2e,00,4d,00,53,00,47,00,00,00,02,00,00,00,\
04,00,00,00,96,69,00,0a,00,00,00,04,00,00,00,43,84,6f,bb,00,00,00,00,00
"101"=hex:0c,00,00,00,52,4e,00,00,02,00,00,00,01,00,00,00,14,00,00,00,64,00,61,\
00,74,00,61,00,31,00,2e,00,63,00,61,00,62,00,00,00,02,00,00,00,04,00,00,00,\
dd,e2,05,00,00,00,00,00
"104"=hex:0c,00,00,00,69,4e,00,00,01,00,00,00,01,00,00,00,3c,00,00,00,56,00,49,\
00,31,00,2e,00,30,00,5c,00,43,00,4c,00,49,00,45,00,4e,00,54,00,5c,00,49,00,\
45,00,33,00,30,00,5c,00,4d,00,53,00,49,00,45,00,33,00,30,00,31,00,2e,00,45,\
00,58,00,45,00,00,00,0d,00,00,00,18,00,00,00,34,00,2e,00,37,00,30,00,2e,00,\
30,00,2e,00,31,00,32,00,31,00,35,00,00,00,00,00,00,00,00,00,00,00,00,00
"133"=hex:0c,00,00,00,69,4e,00,00,01,00,00,00,01,00,00,00,3a,00,00,00,43,00,4c,\
00,49,00,45,00,4e,00,54,00,5c,00,56,00,56,00,49,00,4e,00,54,00,5c,00,49,00,\
5c,00,42,00,49,00,4e,00,5c,00,48,00,54,00,4d,00,53,00,57,00,2e,00,44,00,4c,\
00,4c,00,00,00,0d,00,00,00,18,00,00,00,31,00,2e,00,30,00,2e,00,30,00,34,00,\
2e,00,36,00,32,00,35,00,30,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00
"317"=hex:0c,00,00,00,69,4e,00,00,01,00,00,00,01,00,00,00,18,00,00,00,77,00,65,\
00,6c,00,63,00,6f,00,6d,00,65,00,2e,00,74,00,78,00,74,00,00,00,01,00,00,00,\
14,00,00,00,73,00,65,00,74,00,75,00,70,00,2e,00,62,00,69,00,6e,00,00,00,0a,\
00,00,00,04,00,00,00,0d,0f,8b,54,01,00,00,00,1a,00,00,00,76,00,73,00,39,00,\
37,00,70,00,63,00,64,00,32,00,2e,00,64,00,61,00,74,00,00,00,02,00,00,00,04,\
00,00,00,02,00,00,00,01,00,00,00,18,00,00,00,61,00,75,00,74,00,6f,00,72,00,\
75,00,6e,00,2e,00,69,00,6e,00,66,00,00,00,0a,00,00,00,04,00,00,00,4a,8a,3b,\
93,00,00,00,00,00,00,00
"318"=hex:0c,00,00,00,69,4e,00,00,01,00,00,00,01,00,00,00,18,00,00,00,61,00,75,\
00,74,00,6f,00,72,00,75,00,6e,00,2e,00,69,00,6e,00,66,00,00,00,02,00,00,\
04,00,00,00,38,00,00,00,0a,00,00,00,04,00,00,00,4a,8a,3b,93,01,00,00,00,14,\
00,00,00,73,00,65,00,74,00,75,00,70,00,2e,00,62,00,69,00,6e,00,00,00,02,00,\
00,00,04,00,00,00,00,0d,27,00,01,00,00,00,18,00,00,00,77,00,65,00,6c,00,63,\
00,6f,00,6d,00,65,00,2e,00,74,00,78,00,74,00,00,00,01,00,00,00,1a,00,00,00,\
76,00,73,00,39,00,37,00,65,00,63,00,64,00,32,00,2e,00,64,00,61,00,00,00,\
00,01,00,00,00,14,00,00,00,73,00,65,00,74,00,75,00,70,00,2e,00,65,00,78,00,\
65,00,00,00,00,00,00,00,00,00
"105"=hex:0c,00,00,00,63,4e,00,00,01,00,00,00,01,00,00,00,36,00,00,00,57,00,69,\
00,6e,00,64,00,6f,00,77,00,73,00,20,00,43,00,45,00,20,00,53,00,65,00,72,00,\
76,00,69,00,63,00,65,00,73,00,5c,00,64,00,61,00,74,00,61,00,2e,00,7a,00,00,\
00,02,00,00,00,04,00,00,00,a8,26,2b,00,00,00,00,00,00,00,00,00,00,00,00,00
"106"=hex:0c,00,00,00,63,4e,00,00,01,00,00,00,01,00,00,00,36,00,00,00,57,00,69,\
00,6e,00,64,00,6f,00,77,00,73,00,20,00,43,00,45,00,20,00,53,00,65,00,72,00,\
76,00,69,00,63,00,65,00,73,00,5c,00,64,00,61,00,74,00,61,00,2e,00,7a,00,00,\

00,02,00,00,00,04,00,00,00,08,91,32,00,00,00,00,00
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00,77,00,6f,00,72,00,6b,00,73,00,2e,00,65,00,78,00,65,00,00,00,15,00,00,00,\
08,00,00,00,d1,01,05,00,00,00,04,00,00,00,00,00
108=hex:0c,00,00,00,00,65,4e,00,00,01,00,00,00,01,00,00,00,28,00,00,00,4d,00,53,\
00,57,00,6f,00,72,00,6b,00,73,00,5c,00,6d,00,73,00,77,00,6f,00,72,00,6b,00,\
73,00,2e,00,65,00,78,00,65,00,00,00,15,00,00,00,08,00,00,00,d1,01,05,00,00,\
00,04,00,00,00,00,00
114=hex:0c,00,00,00,00,46,4e,00,00,03,00,00,00,01,00,00,00,14,00,00,00,64,00,61,\
00,74,00,61,00,31,00,2e,00,63,00,61,00,62,00,00,00,02,00,00,00,04,00,00,00,\
28,ea,af,00,0a,00,00,00,04,00,00,00,ec,f9,df,43,00,00,00,00
116=hex:0c,00,00,00,00,46,4e,00,00,01,00,00,00,01,00,00,00,14,00,00,00,64,00,61,\
00,74,00,61,00,31,00,2e,00,63,00,61,00,62,00,00,00,02,00,00,00,04,00,00,00,\
75,c4,7e,00,0a,00,00,00,04,00,00,00,fc,a3,b4,f0,00,00,00,00
119=hex:0c,00,00,00,00,6f,4e,00,00,02,00,00,00,01,00,00,00,32,00,00,00,65,00,6e,\
00,67,00,6c,00,69,00,73,00,68,00,5c,00,77,00,69,00,6e,00,39,00,35,00,5c,00,\
4f,00,45,00,4d,00,55,00,53,00,42,00,2e,00,65,00,78,00,65,00,00,00,15,00,00,\
00,08,00,00,00,01,00,1e,00,47,00,04,00,01,00,00,00,16,00,00,00,64,00,76,00,\
63,00,33,00,30,00,30,00,2e,00,69,00,63,00,6f,00,00,00,00,00,00,00
120=hex:0c,00,00,00,00,6f,4e,00,00,02,00,00,00,01,00,00,00,32,00,00,00,45,00,6e,\
00,67,00,6c,00,69,00,73,00,68,00,5c,00,77,00,69,00,6e,00,39,00,35,00,5c,00,\
4f,00,45,00,4d,00,55,00,53,00,42,00,2e,00,45,00,58,00,45,00,00,00,15,00,00,\
00,08,00,00,00,01,00,1e,00,47,00,04,00,01,00,00,00,16,00,00,00,64,00,76,00,\
63,00,33,00,30,00,30,00,2e,00,69,00,63,00,6f,00,00,00,00,00,00,00
121=hex:0c,00,00,00,00,70,4e,00,00,01,00,00,00,01,00,00,00,2c,00,00,00,50,00,52,\
00,4f,00,47,00,52,00,41,00,4d,00,53,00,5c,00,50,00,57,00,46,00,41,00,58,00,\
4d,00,47,00,52,00,2e,00,45,00,58,00,45,00,00,00,15,00,00,00,08,00,00,00,00,\
00,00,00,46,00,04,00,00,00,00
123=hex:0c,00,00,00,00,71,4e,00,00,02,00,00,00,01,00,00,00,1a,00,00,00,52,00,45,\
00,41,00,43,00,48,00,4f,00,55,00,54,00,2e,00,50,00,52,00,4d,00,00,00,0a,00,\
00,00,04,00,00,00,93,06,30,04,00,00,00,00
124=hex:0c,00,00,00,00,71,4e,00,00,02,00,00,00,01,00,00,00,2c,00,00,00,44,00,49,\
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06,30,04,00,00,00,00
402=hex:0c,00,00,00,00,71,4e,00,00,01,00,00,00,01,00,00,00,16,00,00,00,52,00,45,\
00,41,00,43,00,48,00,4f,00,55,00,54,00,2e,00,32,00,00,00,02,00,00,00,04,00,\
00,00,c8,2c,16,00,0a,00,00,00,04,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00,52,00,45,00,41,00,43,00,48,00,4f,00,55,00,54,00,2e,00,31,00,00,00,02,00,\
00,00,04,00,00,00,93,31,01,00,0a,00,00,00,04,00,00,00,aa,53,7b,77,01,00,00,\
00,1a,00,00,00,52,00,45,00,41,00,43,00,48,00,4f,00,55,00,54,00,2e,00,50,00,\
44,00,46,00,00,00,02,00,00,04,00,00,00,db,05,00,00,0a,00,00,00,04,00,00,\
00,d2,0e,79,dc,00,00,00,00
455=hex:0c,00,00,00,00,71,4e,00,00,01,00,00,00,01,00,00,00,22,00,00,00,44,00,49,\
00,53,00,4b,00,31,00,5c,00,52,00,45,00,41,00,43,00,48,00,4f,00,55,00,54,00,\
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00,aa,53,7b,77,00,00,00,00
456=hex:0c,00,00,00,00,71,4e,00,00,01,00,00,00,01,00,00,00,16,00,00,00,52,00,45,\
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00,00,64,31,01,00,0a,00,00,00,04,00,00,00,aa,53,7b,77,00,00,00,00
126=hex:0c,00,00,00,00,72,4e,00,00,01,00,00,00,01,00,00,00,2a,00,00,00,4f,00,4e,\
00,4e,00,45,00,54,00,33,00,32,00,5c,00,57,00,4d,00,53,00,53,00,45,00,54,00,\
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00,00,00,04,00,00,00,00,00
129=hex:0c,00,00,00,00,74,4e,00,00,02,00,00,00,01,00,00,00,1e,00,00,00,44,00,41,\
00,54,00,41,00,5c,00,4d,00,45,00,4e,00,55,00,31,00,2e,00,44,00,41,00,50,00,\
00,00,02,00,00,00,04,00,00,00,96,1d,04,00,0a,00,00,00,04,00,00,00,75,68,82,\
67,00,00,00,00
132=hex:0c,00,00,00,00,73,4e,00,00,01,00,00,00,01,00,00,00,0e,00,00,00,44,00,41,\
00,54,00,41,00,2e,00,31,00,00,00,02,00,00,00,04,00,00,00,08,37,06,00,0a,00,\
00,00,04,00,00,00,8b,e4,dc,54,00,00,00,00
137=hex:0c,00,00,00,00,00,00,00,05,00,00,00,02,00,00,00,04,00,00,00,00,8a,07,\
00,0a,00,00,00,04,00,00,00,38,b3,7c,66,01,00,00,00,14,00,00,00,73,00,65,00,\

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00,00,00,0a,00,00,00,04,00,00,00,73,5b,0a,83,01,00,00,00,14,00,00,00,73,00,\
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00,95,00,00,00,0a,00,00,00,04,00,00,00,c1,a4,a9,58,01,00,00,00,18,00,00,00,\
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00,00,00,04,00,00,00,00,7c,00,00,0a,00,00,00,04,00,00,00,5d,f6,e8,bf,01,00,\
00,00,18,00,00,00,61,00,75,00,74,00,6f,00,72,00,75,00,6e,00,2e,00,69,00,6e,\
00,66,00,00,00,02,00,00,00,04,00,00,00,a5,01,00,00,0a,00,00,00,04,00,00,00,\
77,1e,6e,bb,00,00,00,00
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00,4f,00,54,00,4f,00,53,00,2e,00,50,00,5a,00,41,00,00,00,02,00,00,00,04,00,\
00,00,00,9c,06,00,0a,00,00,00,04,00,00,00,0e,8d,fd,a9,00,00,00,00
143=hex:0c,00,00,00,00,00,00,00,00,05,00,00,00,02,00,00,00,04,00,00,00,80,af,00,\
00,0a,00,00,00,04,00,00,00,5d,86,c3,4d,01,00,00,00,16,00,00,00,55,00,4e,00,\
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00,00,8e,04,00,0a,00,00,00,04,00,00,00,6d,64,ff,f8,01,00,00,00,14,00,00,00,\
53,00,45,00,54,00,55,00,50,00,2e,00,50,00,4b,00,47,00,00,00,02,00,00,00,04,\
00,00,00,0e,f6,01,00,0a,00,00,00,04,00,00,00,81,2b,79,e2,01,00,00,00,16,00,\
00,00,33,00,44,00,53,00,4d,00,43,00,44,00,2e,00,4d,00,49,00,44,00,00,02,\
00,00,00,00,04,00,00,b6,00,00,00,0a,00,00,00,04,00,00,00,1b,7b,d4,fa,01,00,\
00,00,16,00,00,00,5f,00,53,00,45,00,54,00,55,00,50,00,2e,00,44,00,4c,00,4c,\
00,00,00,02,00,00,00,04,00,00,00,f0,17,00,00,0a,00,00,00,04,00,00,00,c3,35,\
40,bb,01,00,00,00,16,00,00,00,5f,00,49,00,53,00,52,00,45,00,53,00,2e,00,44,\
00,4c,00,4c,00,00,00,02,00,00,00,04,00,00,00,64,01,00,0a,00,00,00,04,00,\
00,00,81,27,e0,45,01,00,00,00,16,00,00,00,5f,00,49,00,53,00,44,00,45,00,4c,\
00,2e,00,45,00,58,00,45,00,00,02,00,00,00,04,00,00,00,20,00,00,0a,00,\
00,00,04,00,00,00,10,5d,9d,e0,01,00,00,00,1a,00,00,00,5f,00,49,00,4e,00,53,\
00,54,00,33,00,32,00,49,00,2e,00,45,00,58,00,5f,00,00,00,02,00,00,00,04,00,\
00,00,b2,e2,04,00,0a,00,00,00,04,00,00,00,da,b3,7e,ad,01,00,00,00,14,00,00,\
00,5f,00,44,00,4c,00,4c,00,53,00,2e,00,4c,00,49,00,42,00,00,02,00,00,00,\
04,00,00,00,f5,3a,1a,00,0a,00,00,00,04,00,00,00,92,d0,aa,2e,01,00,00,00,18,\
00,00,00,5f,00,44,00,49,00,41,00,4c,00,4f,00,47,00,2e,00,42,00,4d,00,50,00,\
00,00,02,00,00,00,04,00,00,00,66,3d,00,00,0a,00,00,00,04,00,00,00,e7,6e,43,\
a0,00,00,00,00
144=hex:0c,00,00,00,00,00,00,00,00,05,00,00,00,02,00,00,00,04,00,00,00,ae,0b,\
00,0a,00,00,00,04,00,00,00,27,af,33,d6,01,00,00,00,34,00,00,00,53,00,45,00,\
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00,5c,00,53,00,45,00,54,00,55,00,50,00,2e,00,45,00,58,00,45,00,00,02,00,\
00,00,04,00,00,00,00,f2,03,00,0a,00,00,00,04,00,00,00,2b,05,65,b3,01,00,00,\
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54,00,44,00,45,00,56,00,5c,00,42,00,49,00,4e,00,5c,00,49,00,53,00,44,00,45,\
00,53,00,49,00,47,00,4e,00,2e,00,4f,00,43,00,58,00,00,00,02,00,00,00,04,00,\
00,00,00,fc,02,00,0a,00,00,00,04,00,00,00,75,56,39,a6,01,00,00,00,32,00,00,\
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00,02,00,00,00,04,00,00,00,02,00,00,0a,00,00,00,04,00,00,00,60,a1,13,71,\
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00,54,00,55,00,50,00,2e,00,54,00,44,00,46,00,00,00,02,00,00,00,04,00,00,00,\
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00,4c,00,49,00,45,00,4e,00,54,00,5c,00,53,00,45,00,54,00,55,00,50,00,2e,00,\
4c,00,53,00,54,00,00,00,02,00,00,00,04,00,00,00,85,03,00,00,0a,00,00,00,04,\
00,00,00,a1,10,3e,9d,01,00,00,00,00,22,00,00,00,43,00,4c,00,49,00,45,00,4e,00,\
54,00,5c,00,53,00,45,00,54,00,55,00,50,00,2e,00,49,00,4e,00,49,00,00,00,02,\
00,00,00,04,00,00,00,95,00,00,00,0a,00,00,00,04,00,00,00,36,5d,d4,4b,01,00,\
00,00,22,00,00,00,43,00,4c,00,49,00,45,00,4e,00,54,00,5c,00,53,00,45,00,54,\
00,55,00,50,00,2e,00,45,00,58,00,45,00,00,00,02,00,00,00,04,00,00,00,70,22,\
01,00,0a,00,00,00,04,00,00,00,78,9d,47,19,00,00,00,00
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00,0a,00,00,00,04,00,00,00,f1,6a,fd,fe,01,00,00,00,16,00,00,00,55,00,4e,00,\
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00,00,8a,04,00,0a,00,00,00,04,00,00,00,03,89,8c,7d,01,00,00,00,14,00,00,00,\
73,00,65,00,74,00,75,00,70,00,2e,00,70,00,6b,00,67,00,00,00,02,00,00,00,04,\
00,00,00,4b,1b,00,00,0a,00,00,00,04,00,00,00,e8,90,ae,cd,01,00,00,00,16,00,\

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00,00,00,04,00,00,00,0a,01,00,0a,00,00,00,04,00,00,00,95,29,18,3a,01,00,\
00,00,14,00,00,00,47,00,57,00,4e,00,4c,00,49,00,2e,00,45,00,58,00,45,00,\
00,02,00,00,04,00,00,00,b0,52,00,00,0a,00,00,00,04,00,00,00,bf,07,8f,84,\
01,00,00,00,1a,00,00,00,47,00,57,00,41,00,42,00,53,00,31,00,33,00,32,00,2e,\
00,44,00,4c,00,4c,00,00,00,02,00,00,00,04,00,00,00,54,02,00,0a,00,00,00,\
04,00,00,00,f2,bb,6e,23,01,00,00,00,18,00,00,00,47,00,52,00,50,00,57,00,49,\
00,53,00,45,00,2e,00,49,00,4e,00,53,00,00,00,02,00,00,00,04,00,00,00,02,00,\
00,00,0a,00,00,04,00,00,00,00,00,00,01,00,00,00,18,00,00,00,47,00,72,\
00,70,00,57,00,69,00,73,00,65,00,2e,00,65,00,78,00,65,00,00,00,02,00,00,00,\
04,00,00,00,04,49,00,0a,00,00,00,04,00,00,00,f8,19,1f,5b,01,00,00,00,12,\
00,00,00,44,00,49,00,53,00,4b,00,31,00,2e,00,49,00,44,00,00,00,02,00,00,00,\
04,00,00,00,04,00,00,0a,00,00,00,04,00,00,00,b4,b4,06,05,01,00,00,00,0e,\
00,00,00,64,00,61,00,74,00,61,00,2e,00,7a,00,00,00,02,00,00,00,04,00,00,00,\
db,3b,df,00,0a,00,00,00,04,00,00,00,36,d0,01,bb,01,00,00,00,16,00,00,00,5f,\
00,53,00,45,00,54,00,55,00,50,00,2e,00,4c,00,49,00,00,00,00,02,00,00,00,\
04,00,00,00,6a,93,00,00,0a,00,00,00,04,00,00,00,bb,c8,67,6f,01,00,00,00,16,\
00,00,00,5f,00,53,00,45,00,54,00,55,00,50,00,2e,00,44,00,4c,00,4c,00,00,00,\
02,00,00,00,04,00,00,00,60,17,00,00,0a,00,00,00,00,9d,80,a0,88,01,\
00,00,00,16,00,00,00,5f,00,49,00,53,00,44,00,45,00,4c,00,2e,00,45,00,58,00,\
45,00,00,00,02,00,00,00,04,00,00,00,20,00,00,0a,00,00,00,04,00,00,00,10,\
5d,9d,e0,01,00,00,00,1a,00,00,00,5f,00,49,00,4e,00,53,00,54,00,33,00,32,00,\
49,00,2e,00,45,00,58,00,5f,00,00,00,02,00,00,00,04,00,00,00,75,d5,04,00,0a,\
00,00,00,04,00,00,00,db,df,d7,a0,00,00,00,00
"148"=hex:0c,00,00,00,00,00,00,00,05,00,00,00,02,00,00,00,04,00,00,00,00,6e,06,\
00,0a,00,00,00,04,00,00,00,bb,45,be,dc,01,00,00,00,18,00,00,00,4d,00,55,00,\
53,00,54,00,41,00,4e,00,47,00,2e,00,48,00,4c,00,50,00,00,00,02,00,00,00,04,\
00,00,00,b4,41,01,00,0a,00,00,00,04,00,00,00,7b,1b,ed,61,01,00,00,00,18,00,\
00,00,4d,00,55,00,53,00,54,00,41,00,4e,00,47,00,2e,00,43,00,4e,00,54,00,00,\
00,02,00,00,04,00,00,00,f3,01,00,00,0a,00,00,00,04,00,00,00,69,22,cf,69,\
01,00,00,00,1a,00,00,00,4d,00,53,00,56,00,43,00,52,00,54,00,34,00,30,00,2e,\
00,44,00,4c,00,4c,00,00,00,02,00,00,00,04,00,00,00,c6,04,00,0a,00,00,00,\
04,00,00,00,4f,a5,b3,c6,01,00,00,00,14,00,00,00,4d,00,46,00,43,00,34,00,30,\
00,2e,00,44,00,4c,00,4c,00,00,00,02,00,00,00,04,00,00,00,10,17,0e,00,0a,00,\
00,00,04,00,00,00,cd,cf,fb,98,01,00,00,00,18,00,00,00,41,00,55,00,54,00,4f,\
00,52,00,55,00,4e,00,2e,00,49,00,4e,00,46,00,00,02,00,00,00,04,00,00,00,\
1b,00,00,00,0a,00,00,00,04,00,00,00,ad,99,6f,17,00,00,00,00
"149"=hex:0c,00,00,00,00,00,00,00,05,00,00,00,02,00,00,00,04,00,00,00,00,96,04,\
00,0a,00,00,00,04,00,00,00,65,25,fd,7b,01,00,00,00,28,00,00,00,53,00,45,00,\
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00,2e,00,45,00,58,00,45,00,00,00,02,00,00,00,04,00,00,00,ea,00,00,0a,00,\
00,00,04,00,00,00,a7,3f,45,00,01,00,00,00,28,00,00,00,53,00,45,00,54,00,55,\
00,50,00,5c,00,56,00,44,00,42,00,5c,00,53,00,45,00,54,00,55,00,50,00,2e,00,\
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00,00,00,68,0f,61,6d,01,00,00,00,53,00,00,00,45,00,54,00,55,00,50,00,\
5c,00,56,00,44,00,42,00,5c,00,53,00,45,00,54,00,55,00,50,00,2e,00,42,00,4d,\
00,50,00,00,00,02,00,00,00,04,00,00,00,26,4e,02,00,0a,00,00,00,04,00,00,00,\
9c,d0,a3,a0,01,00,00,00,26,00,00,00,53,00,45,00,54,00,55,00,50,00,5c,00,56,\
00,44,00,42,00,5c,00,44,00,41,00,54,00,41,00,2e,00,54,00,41,00,07,00,00,00,\
02,00,00,00,04,00,00,00,65,00,00,00,0a,00,00,00,04,00,00,00,33,bc,d3,6d,01,\
00,00,00,18,00,00,00,41,00,55,00,54,00,4f,00,52,00,55,00,4e,00,2e,00,49,00,\
4e,00,46,00,00,00,02,00,00,00,04,00,00,00,2a,00,00,00,0a,00,00,00,04,00,00,\
00,52,f6,5f,15,01,00,00,00,12,00,00,00,56,00,44,00,42,00,37,00,2e,00,49,00,\
43,00,4f,00,00,00,02,00,00,00,04,00,00,00,36,0e,00,00,0a,00,00,00,04,00,00,\
00,04,d5,64,b6,00,00,00
"151"=hex:0c,00,00,00,00,00,00,00,05,00,00,00,02,00,00,00,04,00,00,00,a6,1e,c2,\
04,0a,00,00,00,04,00,00,00,cd,0b,4e,ce,01,00,00,00,1a,00,00,00,52,00,45,00,\
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00,04,00,00,00,f0,35,00,00,0a,00,00,00,04,00,00,00,1d,16,71,50,01,00,00,00,\
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00,45,00,00,00,02,00,00,00,04,00,00,00,62,00,00,0a,00,00,00,04,00,00,00,\
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00,2e,00,49,00,4e,00,49,00,00,00,02,00,00,00,04,00,00,00,0b,05,00,00,0a,00,\

00,00,04,00,00,00,ed,11,25,fe,01,00,00,00,18,00,00,00,47,00,45,00,4e,00,45,\
00,53,00,49,00,53,00,2e,00,45,00,58,00,45,00,00,00,02,00,00,00,04,00,00,00,\
c0,48,00,00,0a,00,00,00,04,00,00,00,00,ac,fb,cb,de,01,00,00,00,1a,00,00,00,44,\
00,41,00,4f,00,53,00,45,00,54,00,55,00,50,00,2e,00,45,00,58,00,45,00,00,00,\
02,00,00,00,04,00,00,00,b8,e3,1c,00,0a,00,00,00,04,00,00,00,cd,0b,4e,ce,01,\
00,00,00,18,00,00,00,43,00,52,00,45,00,41,00,54,00,4f,00,52,00,2e,00,49,00,\
43,00,4f,00,00,00,02,00,00,00,04,00,00,00,36,04,00,00,0a,00,00,00,04,00,00,\
00,f0,df,ce,30,00,00,00,00
"152"=hex:0c,00,00,00,00,00,00,00,05,00,00,00,02,00,00,00,04,00,00,00,20,1d,01,\
00,0a,00,00,00,04,00,00,00,69,5a,bc,ee,01,00,00,00,14,00,00,00,41,00,64,00,\
6d,00,69,00,6e,00,2e,00,69,00,6e,00,66,00,00,00,02,00,00,00,04,00,00,00,d5,\
76,00,00,0a,00,00,00,04,00,00,00,86,ae,46,78,01,00,00,00,18,00,00,00,57,00,\
47,00,53,00,45,00,54,00,55,00,50,00,2e,00,53,00,54,00,46,00,00,00,02,00,00,\
00,04,00,00,00,f1,14,00,00,0a,00,00,00,04,00,00,00,d5,ec,78,f6,01,00,00,00,\
18,00,00,00,57,00,47,00,53,00,45,00,54,00,55,00,50,00,2e,00,45,00,58,00,45,\
00,00,00,02,00,00,00,04,00,00,00,20,1d,01,00,0a,00,00,00,04,00,00,00,69,5a,\
bc,ee,01,00,00,00,14,00,00,00,53,00,45,00,54,00,55,00,50,00,2e,00,54,00,44,\
00,46,00,00,00,02,00,00,00,04,00,00,00,54,00,00,00,0a,00,00,00,04,00,00,00,\
e1,43,45,b5,01,00,00,00,14,00,00,00,53,00,45,00,54,00,55,00,50,00,2e,00,4c,\
00,53,00,54,00,00,00,02,00,00,00,04,00,00,00,5d,07,00,00,0a,00,00,00,04,00,\
00,00,c9,dc,ac,c5,01,00,00,00,14,00,00,00,53,00,45,00,54,00,55,00,50,00,2e,\
00,49,00,4e,00,49,00,00,00,02,00,00,00,04,00,00,00,95,00,00,00,0a,00,00,00,\
04,00,00,00,e5,c3,7e,6e,01,00,00,00,16,00,00,00,50,00,52,00,4f,00,4a,00,39,\
00,35,00,2e,00,53,00,54,00,46,00,00,00,02,00,00,00,04,00,00,00,86,01,01,00,\
0a,00,00,00,04,00,00,00,49,d7,f4,f5,01,00,00,00,16,00,00,00,50,00,52,00,4f,\
00,4a,00,39,00,35,00,2e,00,50,00,44,00,46,00,00,00,02,00,00,00,04,00,00,00,\
40,05,00,00,0a,00,00,00,04,00,00,00,0e,33,78,64,01,00,00,00,16,00,00,00,50,\
00,52,00,4f,00,4a,00,39,00,35,00,2e,00,49,00,4e,00,46,00,00,00,02,00,00,00,\
04,00,00,00,6d,78,00,00,0a,00,00,00,04,00,00,00,32,78,0a,22,01,00,00,00,18,\
00,00,00,45,00,58,00,54,00,52,00,41,00,43,00,54,00,2e,00,45,00,58,00,45,00,\
00,00,02,00,00,00,04,00,00,00,6c,57,01,00,0a,00,00,00,04,00,00,00,d2,17,\
05,00,00,00,00
"153"=hex:0c,00,00,00,00,00,00,00,05,00,00,00,02,00,00,00,04,00,00,00,a6,00,\
00,0a,00,00,00,04,00,00,00,8b,c2,4d,40,01,00,00,00,1a,00,00,00,55,00,4e,00,\
49,00,4e,00,53,00,54,00,41,00,4c,00,2e,00,49,00,4e,00,39,00,00,00,02,00,00,\
00,04,00,00,00,1b,18,00,00,0a,00,00,00,04,00,00,00,f0,d0,f7,3a,01,00,00,00,\
18,00,00,00,49,00,4e,00,53,00,54,00,41,00,4c,00,4c,00,2e,00,49,00,4e,00,46,\
00,00,00,02,00,00,00,04,00,00,00,7f,18,01,00,0a,00,00,00,04,00,00,00,9b,53,\
04,37,00,00,00,00
"157"=hex:0c,00,00,00,00,00,00,00,05,00,00,00,02,00,00,00,04,00,00,00,b2,00,\
00,0a,00,00,00,04,00,00,00,47,c8,ef,1a,01,00,00,00,14,00,00,00,73,00,65,00,\
74,00,75,00,70,00,2e,00,70,00,6b,00,67,00,00,00,02,00,00,00,04,00,00,00,10,\
44,00,00,0a,00,00,00,04,00,00,00,5f,51,2a,15,01,00,00,00,16,00,00,00,56,00,\
49,00,41,00,56,00,4f,00,49,00,43,00,45,00,2e,00,5a,00,00,00,02,00,00,00,04,\
00,00,00,10,c9,a0,04,0a,00,00,00,04,00,00,00,ce,00,3f,c4,01,00,00,00,14,00,\
00,00,73,00,65,00,74,00,75,00,70,00,2e,00,62,00,6d,00,70,00,00,00,02,00,00,\
00,04,00,00,00,16,2b,02,00,0a,00,00,00,04,00,00,00,2b,c0,a4,ad,01,00,00,00,\
14,00,00,00,72,00,65,00,66,00,75,00,73,00,2e,00,70,00,64,00,66,00,00,00,02,\
00,00,00,04,00,00,00,a2,al,dc,00,0a,00,00,00,04,00,00,00,bf,5d,7b,dc,01,00,\
00,00,18,00,00,00,6d,00,73,00,61,00,61,00,72,00,64,00,6b,00,2e,00,65,00,78,\
00,65,00,00,00,02,00,00,00,04,00,00,00,e0,4e,10,00,0a,00,00,00,04,00,00,00,\
6f,83,13,13,01,00,00,00,12,00,00,00,64,00,69,00,73,00,6b,00,31,00,2e,00,69,\
00,64,00,00,00,02,00,00,00,04,00,00,00,03,00,00,00,0a,00,00,00,04,00,00,00,\
00,00,00,00,01,00,00,00,16,00,00,00,5f,00,73,00,65,00,74,00,75,00,70,00,2e,\
00,6c,00,69,00,62,00,00,00,02,00,00,00,04,00,00,00,79,d8,11,00,0a,00,00,00,\
04,00,00,00,5d,10,4c,49,01,00,00,00,16,00,00,00,5f,00,73,00,65,00,74,00,75,\
00,70,00,2e,00,64,00,6c,00,6c,00,00,00,02,00,00,00,04,00,00,00,f0,17,00,00,\
0a,00,00,00,04,00,00,00,68,95,2d,c9,01,00,00,00,16,00,00,00,5f,00,69,00,73,\
00,64,00,65,00,6c,00,2e,00,65,00,78,00,65,00,00,00,02,00,00,00,04,00,00,00,\
00,20,00,00,0a,00,00,00,04,00,00,00,10,5d,9d,e0,01,00,00,00,1a,00,00,00,5f,\
00,69,00,6e,00,73,00,74,00,33,00,32,00,69,00,2e,00,65,00,78,00,5f,00,00,00,\
02,00,00,00,04,00,00,00,ea,e9,04,00,0a,00,00,00,04,00,00,00,b9,8d,a3,a7,00,\
00,00,00

"159"=hex:0c,00,00,00,00,00,00,00,05,00,00,00,01,00,00,00,1a,00,00,00,4f,00,66,\
00,66,00,39,00,35,00,69,00,6e,00,76,00,2e,00,64,00,6c,00,6c,00,00,00,03,00,\
00,00,04,00,00,00,03,00,00,00,00,00,00,00,00,00,00,
"195"=hex:0c,00,00,00,00,00,00,00,05,00,00,00,15,00,00,00,08,00,00,00,7b,07,00,\
00,14,00,01,00,01,00,00,00,14,00,00,00,53,00,65,00,74,00,75,00,70,00,2e,00,\
74,00,64,00,66,00,00,00,01,00,00,00,14,00,00,00,53,00,65,00,74,00,75,00,70,\
00,2e,00,6c,00,73,00,74,00,00,00,02,00,00,00,04,00,00,00,9a,07,00,00,0a,00,\
00,00,04,00,00,00,af,6d,eb,54,00,00,00,00,
"199"=hex:0c,00,00,00,00,00,00,00,05,00,00,00,01,00,00,00,14,00,00,00,53,00,45,\
00,54,00,55,00,50,00,2e,00,54,00,44,00,46,00,00,00,02,00,00,00,04,00,00,00,\
54,00,00,00,0a,00,00,00,04,00,00,00,50,20,6a,18,01,00,00,00,14,00,00,00,53,\
00,45,00,54,00,55,00,50,00,2e,00,4c,00,53,00,54,00,00,00,02,00,00,00,04,00,\
00,00,7a,08,00,00,0a,00,00,00,04,00,00,00,f9,4c,8a,7b,00,00,00,00,
"160"=hex:0c,00,00,00,00,00,00,00,05,00,00,00,02,00,00,00,04,00,00,00,80,af,00,\
00,0a,00,00,00,04,00,00,00,5d,86,c3,4d,01,00,00,00,14,00,00,00,53,00,45,00,\
54,00,55,00,50,00,2e,00,49,00,4e,00,49,00,00,00,02,00,00,00,04,00,00,00,4d,\
00,00,00,0a,00,00,00,04,00,00,00,20,19,05,95,01,00,00,00,14,00,00,00,53,00,\
45,00,54,00,55,00,50,00,2e,00,49,00,4e,00,53,00,00,00,02,00,00,00,04,00,00,\
00,88,c6,02,00,0a,00,00,00,04,00,00,00,25,52,70,21,01,00,00,00,12,00,00,00,\
4d,00,47,00,58,00,46,00,4d,00,41,00,2e,00,5a,00,00,00,02,00,00,00,04,00,00,\
00,a6,b3,30,00,0a,00,00,00,04,00,00,00,54,af,73,5d,01,00,00,00,14,00,00,00,00,\
48,00,41,00,4e,00,44,00,53,00,2e,00,45,00,43,00,46,00,00,00,02,00,00,00,04,\
00,00,00,ee,00,00,00,0a,00,00,00,04,00,00,00,f7,9d,3b,66,01,00,00,00,16,00,\
00,00,5f,00,53,00,45,00,54,00,55,00,50,00,2e,00,44,00,4c,00,4c,00,00,00,02,\
00,00,00,04,00,00,00,60,17,00,00,0a,00,00,00,04,00,00,00,9d,80,ad,88,01,00,\
00,00,16,00,00,00,5f,00,49,00,53,00,44,00,45,00,4c,00,2e,00,45,00,58,00,45,\
00,00,00,02,00,00,00,04,00,00,00,20,00,00,0a,00,00,00,04,00,00,10,5d,\
9d,e0,01,00,00,00,1a,00,00,00,5f,00,49,00,4e,00,53,00,54,00,33,00,32,00,49,\
00,2e,00,45,00,58,00,5f,00,00,00,00,02,00,00,00,04,00,00,00,1c,f0,04,00,0a,00,\
00,00,04,00,00,00,01,82,04,f7,00,00,00,00,
"161"=hex:0c,00,00,00,00,00,00,00,05,00,00,00,02,00,00,00,04,00,00,00,e0,54,00,\
00,0a,00,00,00,04,00,00,00,16,69,f0,ff,01,00,00,00,16,00,00,00,4c,00,4a,00,\
31,00,31,00,30,00,30,00,2e,00,49,00,43,00,4f,00,00,00,02,00,00,00,04,00,00,\
00,fe,02,00,00,0a,00,00,00,04,00,00,00,f0,bc,3a,3f,01,00,00,00,12,00,00,00,\
54,00,49,00,4d,00,42,00,2e,00,44,00,58,00,52,00,00,00,02,00,00,00,04,00,00,\
00,9e,0c,15,00,0a,00,00,00,04,00,00,00,1d,d4,14,58,01,00,00,00,18,00,00,00,\
50,00,4e,00,50,00,31,00,31,00,30,00,2e,00,44,00,4c,00,4c,00,00,00,02,\
00,00,00,04,00,00,00,6e,00,00,0a,00,00,00,04,00,00,00,3d,c2,ac,ec,01,00,\
00,00,1a,00,00,00,48,00,50,00,41,00,55,00,54,00,4f,00,31,00,36,00,2e,00,45,\
00,58,00,45,00,00,00,02,00,00,04,00,00,00,09,b8,15,00,0a,00,00,00,04,00,\
00,00,d2,24,3c,62,01,00,00,00,1a,00,00,00,48,00,50,00,41,00,55,00,54,00,4f,\
00,33,00,32,00,2e,00,45,00,58,00,45,00,00,00,02,00,00,00,04,00,00,00,2f,1c,\
1b,00,0a,00,00,00,04,00,00,00,00,d6,26,d5,05,00,00,00,
"165"=hex:0c,00,00,00,76,4e,00,00,01,00,00,00,01,00,00,00,14,00,00,00,50,00,70,\
00,76,00,65,00,72,00,2e,00,64,00,6c,00,6c,00,00,00,0c,00,00,00,20,00,00,00,\
56,00,69,00,73,00,69,00,6f,00,6e,00,65,00,65,00,72,00,2c,00,20,00,49,00,6e,\
00,63,00,2e,00,00,00,15,00,00,00,08,00,00,00,00,00,03,00,05,00,00,00,\
00,00,
"166"=hex:0c,00,00,00,77,4e,00,00,01,00,00,00,01,00,00,00,14,00,00,00,53,00,45,\
00,54,00,55,00,50,00,2e,00,49,00,4e,00,49,00,00,00,01,00,00,00,12,00,00,00,\
44,00,49,00,53,00,4b,00,31,00,2e,00,49,00,44,00,00,00,01,00,00,00,16,00,00,\
00,5f,00,53,00,45,00,54,00,55,00,50,00,2e,00,44,00,4c,00,4c,00,00,00,01,00,\
00,00,14,00,00,00,70,00,72,00,65,00,73,00,63,00,61,00,6e,00,00,00,7a,00,00,\
00,02,00,00,00,04,00,00,00,52,b3,0a,00,0a,00,00,00,04,00,00,00,00,00,00,00,00,\
01,00,00,00,14,00,00,00,53,00,45,00,54,00,55,00,50,00,2e,00,42,00,4d,00,50,\
00,00,00,02,00,00,00,04,00,00,00,66,cd,00,00,0a,00,00,00,04,00,00,00,21,b9,\
86,ef,00,00,00,00,
"167"=hex:0c,00,00,00,77,4e,00,00,01,00,00,00,01,00,00,00,14,00,00,00,53,00,45,\
00,54,00,55,00,50,00,2e,00,49,00,4e,00,49,00,00,00,01,00,00,00,16,00,00,00,\
5f,00,53,00,45,00,54,00,55,00,50,00,2e,00,44,00,4c,00,4c,00,00,00,01,00,00,\
00,14,00,00,00,50,00,52,00,45,00,53,00,43,00,41,00,4e,00,2e,00,5a,00,00,00,\
02,00,00,00,04,00,00,00,97,9e,0d,00,0a,00,00,00,04,00,00,00,fb,d6,56,84,01,\
00,00,00,14,00,00,00,53,00,45,00,54,00,55,00,50,00,2e,00,49,00,4e,00,49,00,\

00,00,02,00,00,00,04,00,00,00,29,00,00,00,0a,00,00,00,04,00,00,00,a1,8a,ac,\
8f,00,00,00,00,
"170"=hex:0c,00,00,00,78,4e,00,00,01,00,00,00,01,00,00,00,16,00,00,00,5f,00,53,\
00,45,00,54,00,55,00,50,00,2e,00,4c,00,49,00,42,00,00,00,01,00,00,00,14,00,\
00,00,53,00,45,00,54,00,55,00,50,00,2e,00,42,00,4d,00,50,00,00,00,01,00,00,\
00,18,00,00,00,56,00,43,00,44,00,44,00,45,00,4d,00,4f,00,2e,00,46,00,43,00,\
44,00,00,00,0a,00,00,00,04,00,00,00,59,e9,88,76,01,00,00,00,12,00,00,00,56,\
00,43,00,44,00,52,00,4f,00,4d,00,2e,00,5a,00,00,00,0a,00,00,00,04,00,00,00,\
67,8d,f2,3b,01,00,00,00,1a,00,00,00,5f,00,49,00,4e,00,53,00,54,00,33,00,32,\
00,49,00,2e,00,45,00,58,00,5f,00,00,00,01,00,00,00,16,00,00,00,5f,00,49,00,\
53,00,44,00,45,00,4c,00,2e,00,45,00,58,00,45,00,00,00,00,00,00,00,
"172"=hex:0c,00,00,00,78,4e,00,00,01,00,00,00,01,00,00,00,1a,00,00,00,5f,00,49,\
00,4e,00,53,00,54,00,33,00,32,00,49,00,2e,00,45,00,58,00,5f,00,00,00,01,00,\
00,00,16,00,00,00,5f,00,49,00,53,00,44,00,45,00,4c,00,2e,00,45,00,58,00,45,\
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00,00,04,00,00,00,bb,06,29,00,01,00,00,00,14,00,00,00,53,00,45,00,54,00,55,\
00,50,00,2e,00,49,00,4c,00,4e,00,53,00,00,00,00,00,00,
"174"=hex:0c,00,00,00,79,4e,00,00,01,00,00,00,01,00,00,00,1a,00,00,00,41,00,56,\
00,4e,00,54,00,50,00,49,00,43,00,45,00,2e,00,54,00,58,00,54,00,00,00,0a,00,\
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00,00,49,5c,da,ef,01,00,00,00,12,00,00,00,4d,00,41,00,49,00,4e,00,4e,00,4d,\
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53,00,45,00,2e,00,44,00,4c,00,4c,00,00,00,01,00,00,00,14,00,00,00,53,00,45,\
00,54,00,55,00,50,00,2e,00,49,00,4e,00,49,00,00,00,00,00,00,
"180"=hex:0c,00,00,00,00,00,00,00,05,00,00,00,01,00,00,00,44,00,00,00,52,00,55,\
00,4e,00,49,00,4d,00,41,00,47,00,45,00,5c,00,44,00,45,00,4c,00,50,00,48,00,\
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00,45,00,52,00,2e,00,44,00,4c,00,4c,00,00,00,00,03,00,00,00,04,00,00,00,03,\
00,00,00,00,00,00,
"183"=hex:0c,00,00,00,00,00,00,00,05,00,00,00,01,00,00,00,22,00,00,00,49,00,4e,\
00,53,00,54,00,41,00,4c,00,4c,00,5c,00,4d,00,47,00,58,00,46,00,4d,00,41,00,\
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"197"=hex:0c,00,00,00,00,00,00,00,05,00,00,00,01,00,00,00,14,00,00,00,53,00,45,\
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00,00,00,00,
"201"=hex:0c,00,00,00,00,00,00,00,05,00,00,00,01,00,00,00,1e,00,00,00,43,00,44,\
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0a,00,00,00,04,00,00,00,24,cd,86,59,00,00,00,00,
"286"=hex:0c,00,00,00,00,00,00,00,05,00,00,00,01,00,00,00,1e,00,00,00,4d,00,47,\
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00,61,00,04,00,74,00,6f,00,72,00,00,00,00,00,00,00,
"299"=hex:0c,00,00,00,00,00,00,00,05,00,00,00,01,00,00,00,28,00,00,00,43,00,47,\
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00,61,00,31,00,2e,00,63,00,61,00,62,00,00,00,02,00,00,00,04,00,00,00,e4,8c,\
55,00,0a,00,00,00,04,00,00,00,49,65,18,ee,00,00,00,00,
"305"=hex:0c,00,00,00,00,00,00,00,05,00,00,00,01,00,00,00,14,00,00,00,53,00,45,\
00,54,00,55,00,50,00,2e,00,50,00,4b,00,47,00,00,00,02,00,00,00,04,00,00,00,\
87,ce,00,00,0a,00,00,00,04,00,00,00,f1,4e,6d,30,01,00,00,00,16,00,00,00,46,\
00,49,00,4c,00,45,00,39,00,39,00,2e,00,50,00,4b,00,54,00,00,00,02,00,00,00,\


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00,00,04,00,00,00,ef,18,87,00,0a,00,00,00,04,00,00,00,af,0b,1f,e3,00,00,00,\
00
*344*=hex:0c,00,00,00,2e,4e,00,00,01,00,00,00,01,00,00,00,16,00,00,00,56,00,49,\
00,41,00,56,00,4f,00,49,00,43,00,45,00,2e,00,5a,00,00,00,02,00,00,00,04,00,\
00,00,38,4d,89,04,0a,00,00,00,04,00,00,00,ce,00,3f,c4,00,00,00,00
*345*=hex:0c,00,00,00,2e,4e,00,00,01,00,00,00,01,00,00,00,16,00,00,00,56,00,49,\
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00,00,ea,94,27,04,0a,00,00,00,04,00,00,00,ce,00,3f,c4,00,00,00,00
*347*=hex:0c,00,00,00,2e,4e,00,00,01,00,00,00,01,00,00,00,16,00,00,00,56,00,49,\
00,41,00,56,00,4f,00,49,00,43,00,45,00,2e,00,5a,00,00,00,02,00,00,00,04,00,\
00,00,93,ff,86,07,0a,00,00,00,04,00,00,00,ce,00,3f,c4,00,00,00,00
*348*=hex:0c,00,00,00,2e,4e,00,00,01,00,00,00,01,00,00,00,16,00,00,00,76,00,69,\
00,61,00,76,00,6f,00,69,00,63,00,65,00,2e,00,7a,00,00,00,02,00,00,00,04,00,\
00,00,2a,ba,5c,05,0a,00,00,00,04,00,00,00,ce,00,3f,c4,00,00,00,00
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00,00,97,a0,28,06,0a,00,00,00,04,00,00,00,ce,00,3f,c4,00,00,00,00
*352*=hex:0c,00,00,00,2e,4e,00,00,01,00,00,00,01,00,00,00,16,00,00,00,56,00,49,\
00,41,00,56,00,4f,00,49,00,43,00,45,00,2e,00,5a,00,00,00,02,00,00,00,04,00,\
00,00,1f,87,65,08,0a,00,00,00,04,00,00,00,ce,00,3f,c4,00,00,00,00
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00,00,93,ff,86,07,0a,00,00,00,04,00,00,00,ce,00,3f,c4,00,00,00,00
*357*=hex:0c,00,00,00,20,4e,00,00,01,00,00,00,01,00,00,00,14,00,00,00,53,00,45,\
00,54,00,55,00,50,00,2e,00,49,00,4e,00,49,00,00,00,01,00,00,00,14,00,00,00,\
53,00,45,00,54,00,55,00,50,00,2e,00,50,00,4b,00,47,00,00,00,01,00,00,00,1a,\
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00,2e,00,49,00,4e,00,49,00,00,00,02,00,00,00,04,00,00,00,c5,01,00,00,0a,00,\
00,00,04,00,00,00,6a,ec,76,ce,01,00,00,00,18,00,00,00,56,00,53,00,43,00,41,\
00,4e,00,4e,00,54,00,2e,00,50,00,44,00,46,00,00,00,02,00,00,00,04,00,00,00,\
e6,07,00,00,0a,00,00,00,04,00,00,00,fa,77,8a,ec,00,00,00,00
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00,54,00,55,00,50,00,2e,00,50,00,4b,00,47,00,00,00,01,00,00,00,14,00,00,00,\
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00,00,00,53,00,45,00,54,00,55,00,50,00,2e,00,49,00,4e,00,53,00,00,00,01,00,\
00,00,14,00,00,00,53,00,45,00,54,00,55,00,50,00,2e,00,49,00,4e,00,49,00,00,\
00,02,00,00,00,04,00,00,00,21,00,00,00,0a,00,00,00,04,00,00,00,7d,ef,65,dc,\
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00,4e,00,49,00,00,00,0a,00,00,00,04,00,00,00,25,27,5f,95,01,00,00,00,18,00,\
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00,02,00,00,00,04,00,00,00,af,00,00,00,01,00,00,00,0e,00,00,00,44,00,41,00,\
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00,00,00,01,00,00,00,1a,00,00,00,5f,00,53,00,45,00,54,00,55,00,50,00,33,00,\
32,00,2e,00,4c,00,49,00,42,00,00,00,0a,00,00,00,04,00,00,00,d1,ef,fe,66,00,\
00,00,00
*359*=hex:0c,00,00,00,20,4e,00,00,02,00,00,00,01,00,00,00,0e,00,00,00,44,00,41,\
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00,00,04,00,00,00,91,2d,5b,b4,01,00,00,00,16,00,00,00,5f,00,53,00,45,00,54,\
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00,00,00,00,00
*367*=hex:0c,00,00,00,48,4e,00,00,01,00,00,00,01,00,00,00,14,00,00,00,53,00,45,\
00,54,00,55,00,50,00,2e,00,49,00,4e,00,53,00,00,00,02,00,00,00,04,00,00,00,\
1e,a8,01,00,0a,00,00,00,04,00,00,00,d7,e8,9f,c3,01,00,00,00,14,00,00,00,53,\
00,45,00,54,00,55,00,50,00,2e,00,49,00,4e,00,49,00,00,02,00,00,00,04,00,\
00,00,3d,00,00,00,0a,00,00,00,04,00,00,00,37,ff,a9,fb,01,00,00,00,18,00,00,\
00,41,00,55,00,54,00,4f,00,52,00,55,00,4e,00,2e,00,49,00,4e,00,46,00,00,00,\
02,00,00,00,04,00,00,00,32,00,00,00,0a,00,00,00,04,00,00,00,b2,23,60,73,01,\
00,00,00,12,00,00,00,44,00,49,00,41,00,50,00,50,00,53,00,2e,00,5a,00,00,00,\
02,00,00,00,04,00,00,00,63,e1,30,00,0a,00,00,00,04,00,00,00,9c,00,40,d7,01,\
00,00,00,1a,00,00,00,44,00,52,00,49,00,4d,00,41,00,47,00,45,00,52,00,2e,00,\
49,00,43,00,4f,00,00,00,02,00,00,00,04,00,00,00,fe,02,00,00,0a,00,00,00,04,\
00,00,00,a3,7b,1b,b1,00,00,00,00
*369*=hex:0c,00,00,00,82,4e,00,00,01,00,00,00,01,00,00,00,18,00,00,00,56,00,33,\
00,57,00,41,00,52,00,50,00,44,00,2e,00,56,00,33,00,44,00,00,00,02,00,00,00,\
04,00,00,00,6c,16,03,00,0a,00,00,00,04,00,00,00,7f,90,7d,b8,01,00,00,00,18,\
00,00,00,56,00,33,00,57,00,41,00,52,00,50,00,4e,00,2e,00,56,00,33,00,44,00,\
00,00,02,00,00,00,04,00,00,00,e7,50,03,00,0a,00,00,00,04,00,00,00,85,00,66,\
6e,01,00,00,00,18,00,00,00,56,00,33,00,57,00,41,00,52,00,50,00,41,00,2e,00,\
56,00,33,00,44,00,00,00,01,00,00,00,0e,00,00,00,56,00,33,00,2e,00,45,00,58,\
00,45,00,00,02,00,00,00,04,00,00,00,00,00,6f,30,02,00,0a,00,00,00,04,00,00,\
f7,22,15,61,01,00,00,00,18,00,00,00,61,00,75,00,74,00,6f,00,72,00,75,00,6e,\
00,2e,00,69,00,6e,00,66,00,00,00,00,00,00

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*375"=hex:0c,00,00,00,01,00,00,00,05,00,00,00,01,00,00,00,12,00,00,00,44,00,41,\
00,54,00,41,00,2e,00,54,00,41,00,47,00,00,00,01,00,00,00,1a,00,00,00,63,00,\
6f,00,6c,00,64,00,73,00,72,00,76,00,2e,00,65,00,78,00,65,00,00,00,0d,\
00,00,00,08,00,00,00,33,00,2e,00,31,00,00,00,0e,00,00,00,46,00,00,00,45,00,\
61,00,73,00,74,00,6d,00,61,00,6e,00,20,00,53,00,6f,00,66,00,74,00,77,00,61,\
00,72,00,65,00,2c,00,20,00,49,00,6e,00,63,00,2e,00,20,00,43,00,4f,00,4c,00,\
44,00,20,00,53,00,65,00,72,00,76,00,65,00,72,00,00,00,00,00,00,00
*377"=hex:0c,00,00,00,03,00,00,00,05,00,00,00,01,00,00,00,14,00,00,00,6d,00,65,\
00,63,00,68,00,33,00,2e,00,69,00,63,00,6f,00,00,00,02,00,00,00,04,00,00,00,\
fe,02,00,00,0a,00,00,00,04,00,00,00,2e,7d,37,9c,00,00,00,00
*381"=hex:0c,00,00,00,81,4e,00,00,01,00,00,00,01,00,00,00,12,00,00,00,64,00,61,\
00,74,00,61,00,2e,00,74,00,61,00,67,00,00,00,02,00,00,00,04,00,00,00,80,00,\
00,00,0a,00,00,00,04,00,00,00,44,dd,25,ce,01,00,00,00,14,00,00,00,64,00,61,\
00,74,00,61,00,31,00,2e,00,63,00,61,00,62,00,00,00,02,00,00,00,04,00,00,00,\
af,07,69,02,0a,00,00,00,04,00,00,00,4d,fd,2c,44,00,00,00,00
*383"=hex:0c,00,00,00,81,4e,00,00,01,00,00,00,01,00,00,00,14,00,00,00,64,00,61,\
00,74,00,61,00,31,00,2e,00,63,00,61,00,62,00,00,00,02,00,00,00,04,00,00,00,\
2c,e8,be,01,0a,00,00,00,04,00,00,00,45,7c,20,3e,01,00,00,00,12,00,00,00,44,\
00,41,00,54,00,41,00,2e,00,54,00,41,00,47,00,00,00,02,00,00,00,04,00,00,00,\
72,00,00,00,0a,00,00,00,04,00,00,00,7f,c1,73,ea,00,00,00,00
*437"=hex:0c,00,00,00,7b,4e,00,00,01,00,00,00,01,00,00,00,2c,00,00,00,53,00,6f,\
00,66,00,74,00,49,00,43,00,45,00,5c,00,57,00,69,00,6e,00,4e,00,54,00,5c,00,\
53,00,65,00,74,00,75,00,70,00,2e,00,5a,00,00,00,02,00,00,00,04,00,00,00,1a,\
1f,13,00,0a,00,00,00,04,00,00,00,14,6e,db,16,00,00,00,00
*439"=hex:0c,00,00,00,7b,4e,00,00,01,00,00,00,01,00,00,00,16,00,00,00,52,00,45,\
00,41,00,44,00,4d,00,45,00,2e,00,54,00,58,00,00,00,01,00,00,00,16,00,\
00,00,56,00,73,00,65,00,74,00,75,00,70,00,2e,00,69,00,6e,00,69,00,00,00,02,\
00,00,00,04,00,00,00,6e,2c,00,00,0a,00,00,00,04,00,00,00,89,bd,99,48,01,00,\
00,00,10,00,00,00,53,00,65,00,74,00,75,00,70,00,2e,00,5a,00,00,00,02,00,00,\
00,04,00,00,1a,1f,13,00,0a,00,00,00,04,00,00,00,14,6e,db,16,00,00,00,00
*391"=hex:0c,00,00,00,51,4e,00,00,01,00,00,00,01,00,00,00,20,00,00,00,42,00,49,\
00,4e,00,5c,00,45,00,58,00,43,00,41,00,43,00,53,00,50,00,2e,00,44,00,4c,00,\
4c,00,00,00,0e,00,00,00,26,00,00,00,4d,00,69,00,63,00,72,00,6f,00,73,00,6f,\
00,66,00,74,00,20,00,45,00,78,00,63,00,68,00,61,00,6e,00,67,00,65,00,00,00,\
15,00,00,00,08,00,00,00,00,00,50,0a,05,00,05,00,00,00,00
*394"=hex:0c,00,00,00,51,4e,00,00,01,00,00,00,01,00,00,00,1a,00,00,00,53,00,4d,\
00,53,00,5f,00,4d,00,41,00,44,00,43,00,2e,00,44,00,4c,00,4c,00,00,00,15,00,\
00,00,08,00,00,00,cf,07,64,05,00,00,02,00,00,00,00,00
*395"=hex:0c,00,00,00,51,4e,00,00,01,00,00,00,01,00,00,00,18,00,00,00,73,00,6e,\
00,61,00,73,00,61,00,63,00,63,00,2e,00,64,00,6c,00,6c,00,00,15,00,00,00,\
08,00,00,00,39,02,00,00,00,04,00,00,00,00
*397"=hex:0c,00,00,00,51,4e,00,00,01,00,00,00,01,00,00,00,1a,00,00,00,73,00,71,\
00,65,00,77,00,65,00,78,00,65,00,63,00,2e,00,64,00,6c,00,6c,00,00,00,15,00,\
00,00,08,00,00,00,00,2c,01,32,00,06,00,00,00,00,00
*479"=hex:0c,00,00,00,7f,4e,00,00,02,00,00,00,01,00,00,00,0e,00,00,00,44,00,41,\
00,54,00,41,00,2e,00,32,00,00,00,02,00,00,00,04,00,00,00,09,e0,0c,0a,00,\
00,00,04,00,00,00,be,9b,6e,7a,01,00,00,00,0e,00,00,00,44,00,41,00,54,00,41,\
00,2e,00,31,00,00,00,02,00,00,00,04,00,00,00,78,f0,00,00,0a,00,00,00,04,00,\
00,00,44,ac,89,fa,00,00,00,00
*480"=hex:0c,00,00,00,7f,4e,00,00,02,00,00,00,01,00,00,00,0e,00,00,00,44,00,41,\
00,54,00,41,00,2e,00,5a,00,00,00,02,00,00,00,04,00,00,00,cc,06,0c,00,0a,00,\
00,00,04,00,00,00,e4,04,cd,e9,00,00,00,00
*481"=hex:0c,00,00,00,7f,4e,00,00,01,00,00,00,01,00,00,00,24,00,00,00,46,00,49,\
00,4c,00,45,00,53,00,5c,00,56,00,4e,00,53,00,45,00,54,00,55,00,50,00,2e,00,\
44,00,4c,00,4c,00,00,15,00,00,00,08,00,00,00,32,00,06,00,07,00,01,\
00,00,00,1c,00,00,00,46,00,49,00,4c,00,45,00,53,00,5c,00,42,00,41,00,4e,00,\
2e,00,45,00,58,00,45,00,00,15,00,00,00,08,00,00,00,00,32,00,06,00,07,\
00,00,00,00,00
*489"=hex:0c,00,00,00,74,4e,00,00,01,00,00,00,02,00,00,00,04,00,00,00,80,5d,\
00,0a,00,00,00,04,00,00,00,13,55,1d,b8,0e,00,00,00,12,00,00,00,5a,00,69,00,\
70,00,4d,00,61,00,67,00,69,00,63,00,00,00,00,00,00,00
*526"=hex:0c,00,00,00,7d,4e,00,00,02,00,00,00,01,00,00,00,1c,00,00,00,6e,00,65,\
00,72,00,6f,00,5c,00,6e,00,65,00,72,00,6f,00,2e,00,65,00,78,00,65,00,00,00,\

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15,00,00,00,08,00,00,00,01,00,03,00,00,00,04,00,00,00,00,00
*496"=hex:0c,00,00,00,00,00,00,00,05,00,00,00,02,00,00,00,04,00,00,00,04,01,\
00,0a,00,00,00,04,00,00,00,27,a9,2c,f0,01,00,00,00,12,00,00,00,42,00,41,00,\
53,00,45,00,31,00,2e,00,5f,00,31,00,00,00,02,00,00,00,04,00,00,00,8b,00,00,\
00,0a,00,00,00,04,00,00,00,30,08,fe,30,01,00,00,00,12,00,00,00,42,00,41,00,\
53,00,45,00,30,00,2e,00,5f,00,31,00,00,00,02,00,00,00,04,00,00,00,25,60,15,\
00,0a,00,00,00,04,00,00,00,f8,c5,43,53,00,00,00,00
*497"=hex:0c,00,00,00,00,00,00,00,05,00,00,00,01,00,00,00,18,00,00,00,47,00,45,\
00,4e,00,45,00,53,00,49,00,53,00,2e,00,45,00,58,00,45,00,00,00,02,00,00,00,\
04,00,00,00,c0,48,00,00,14,00,00,00,18,00,00,00,47,00,45,00,4e,00,45,00,53,\
00,49,00,53,00,2e,00,65,00,78,00,65,00,00,00,01,00,00,00,18,00,00,00,43,00,\
52,00,45,00,41,00,54,00,4f,00,52,00,2e,00,49,00,43,00,4f,00,00,00,01,00,00,\
00,1a,00,00,00,43,00,43,00,35,00,52,00,45,00,41,00,44,00,4d,00,2e,00,54,00,\
58,00,54,00,00,00,02,00,00,00,04,00,00,00,3a,33,00,00,0a,00,00,00,04,00,00,\
00,ac,21,73,b2,00,00,00,00
*522"=hex:0c,00,00,00,7e,4e,00,00,02,00,00,00,01,00,00,00,16,00,00,00,43,00,4f,\
00,50,00,52,00,47,00,31,00,33,00,32,00,2e,00,5a,00,00,00,02,00,00,00,04,00,\
00,00,97,59,04,00,0a,00,00,00,04,00,00,00,95,f4,63,1d,01,00,00,00,16,00,00,\
00,43,00,4f,00,45,00,54,00,43,00,31,00,41,00,4c,00,2e,00,5a,00,00,00,02,00,\
00,00,04,00,00,00,b5,e6,05,00,0a,00,00,00,04,00,00,00,a9,44,55,d4,00,00,00,\
00
*525"=hex:0c,00,00,00,85,4e,00,00,02,00,00,00,02,00,00,00,04,00,00,00,20,07,\
00,0a,00,00,00,04,00,00,00,4e,e4,71,43,01,00,00,00,30,00,00,00,30,00,30,00,\
31,00,30,00,30,00,32,00,43,00,5c,00,44,00,69,00,73,00,6b,00,31,00,5c,00,5f,00,75,\
00,73,00,65,00,72,00,31,00,2e,00,63,00,61,00,62,00,00,00,02,00,00,00,04,00,\
00,00,45,db,00,00,0a,00,00,00,04,00,00,00,87,cc,ec,99,01,00,00,00,2e,00,00,\
00,30,00,30,00,31,00,30,00,30,00,32,00,5c,00,44,00,69,00,73,00,6b,00,31,00,\
5c,00,64,00,61,00,74,00,61,00,31,00,2e,00,63,00,61,00,62,00,00,00,02,00,00,\
00,04,00,00,00,18,55,06,00,0a,00,00,00,04,00,00,00,b3,02,d7,bb,00,00,00,00
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\SETUP16.EXE]
*438"=hex:0c,00,00,00,7b,4e,00,00,01,00,00,00,01,00,00,00,2c,00,00,00,53,00,6f,\
00,66,00,74,00,49,00,43,00,45,00,5c,00,57,00,69,00,6e,00,4e,00,54,00,5c,00,\
53,00,65,00,74,00,75,00,70,00,2e,00,5a,00,00,00,02,00,00,00,04,00,00,00,1a,\
1f,13,00,0a,00,00,00,04,00,00,00,14,6e,db,16,00,00,00,00
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\SETUPCD.EXE]
*53"=hex:0c,00,00,00,53,4e,00,00,01,00,00,00,01,00,00,00,5a,00,00,00,45,00,4e,\
00,47,00,4c,00,49,00,53,00,48,00,5c,00,57,00,49,00,4e,00,4e,00,54,00,5c,00,\
49,00,4e,00,4f,00,43,00,55,00,4c,00,41,00,4e,00,5c,00,49,00,4e,00,54,00,45,\
00,4c,00,5c,00,43,00,44,00,5c,00,49,00,4e,00,4f,00,43,00,55,00,4c,00,41,00,\
4e,00,2e,00,49,00,43,00,46,00,00,00,02,00,00,00,04,00,00,00,5f,4f,00,00,0a,\
00,00,00,04,00,00,00,1b,ac,89,91,01,00,00,00,5a,00,00,00,45,00,4e,00,47,00,\
4c,00,49,00,53,00,48,00,5c,00,57,00,49,00,4e,00,4e,00,54,00,5c,00,49,00,4e,\
00,4f,00,43,00,55,00,4c,00,41,00,4e,00,5c,00,49,00,4e,00,54,00,45,00,4c,00,\
5c,00,43,00,44,00,5c,00,41,00,4c,00,45,00,52,00,54,00,56,00,45,00,52,00,2e,\
00,44,00,4c,00,4c,00,00,00,02,00,00,00,04,00,00,00,4a,00,00,0a,00,00,00,\
04,00,00,00,81,5e,2e,e5,00,00,00,00
*173"=hex:0c,00,00,00,79,4e,00,00,01,00,00,00,01,00,00,00,18,00,00,00,52,00,45,\
00,41,00,44,00,45,00,52,00,45,00,2e,00,54,00,58,00,54,00,00,00,0a,00,00,00,\
04,00,00,00,75,ca,b1,6d,01,00,00,00,14,00,00,00,50,00,49,00,43,00,4b,00,45,\
00,2e,00,54,00,58,00,54,00,00,0a,00,00,00,04,00,00,00,e1,dd,b2,19,01,00,\
00,00,14,00,00,00,43,00,54,00,4c,00,33,00,44,00,2e,00,44,00,4c,00,4c,00,00,\
00,05,00,00,10,00,00,00,00,00,00,00,1f,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,\
01,00,00,00,18,00,00,00,53,00,45,00,54,00,55,00,50,00,43,00,44,00,2e,00,49,\
00,4e,00,49,00,00,00,00,00,00,00
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\SETUPNT.EXE]
*122"=hex:0c,00,00,00,71,4e,00,00,02,00,00,00,01,00,00,00,1a,00,00,00,52,00,45,\
00,41,00,43,00,48,00,4f,00,55,00,54,00,2e,00,50,00,52,00,4d,00,00,00,0a,00,\

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00,00,04,00,00,00,93,06,30,04,00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\SETUPNW.EXE]
"70"=hex:0c,00,00,00,30,4e,00,00,01,00,00,00,15,00,00,00,08,00,00,00,00,00,01,\
00,3c,00,04,00,00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\SETUP_INTEL.EXE]
"360"=hex:0c,00,00,00,51,4e,00,00,01,00,00,00,01,00,00,00,32,00,00,00,42,00,4b,\
00,4f,00,46,00,46,00,49,00,43,00,45,00,5c,00,49,00,33,00,38,00,36,00,5c,00,\
42,00,4f,00,53,00,52,00,45,00,53,00,2e,00,44,00,4c,00,4c,00,00,00,02,00,00,\
00,04,00,00,00,10,11,03,00,0a,00,00,00,04,00,00,00,46,c4,97,c2,0d,00,00,00,\
18,00,00,00,34,00,2e,00,35,00,30,00,2e,00,30,00,37,00,32,00,36,00,2e,00,30,\
00,00,00,01,00,00,00,20,00,00,00,53,00,45,00,54,00,55,00,50,00,5f,00,41,00,\
4c,00,50,00,48,00,41,00,2e,00,45,00,58,00,45,00,00,01,00,00,00,16,00,00,\
00,43,00,44,00,52,00,4f,00,4d,00,5f,00,53,00,2e,00,34,00,30,00,00,00,0a,00,\
00,00,04,00,00,00,25,a1,a1,22,01,00,00,00,1a,00,00,00,42,00,4f,00,4f,00,54,\
00,46,00,4f,00,4e,00,54,00,54,00,2e,00,42,00,49,00,4e,00,00,00,0a,00,00,04,00,\
00,00,b2,51,16,98,01,00,00,00,18,00,00,00,41,00,55,00,54,00,4f,00,52,00,55,\
00,4e,00,2e,00,49,00,4e,00,46,00,00,00,0a,00,00,00,04,00,00,00,8a,7e,0a,4b,\
00,00,00,00

"362"=hex:0c,00,00,00,51,4e,00,00,02,00,00,00,0a,00,00,00,04,00,00,00,5a,a7,8d,\
e2,01,00,00,00,32,00,00,00,42,00,4b,00,4f,00,46,00,46,00,49,00,43,00,45,00,\
5c,00,49,00,33,00,38,00,36,00,5c,00,42,00,4f,00,53,00,52,00,45,00,53,00,2e,\
00,44,00,4c,00,4c,00,00,00,02,00,00,04,00,00,00,d8,04,00,00,00,00,\
04,00,00,00,95,79,87,01,0d,00,00,00,18,00,00,00,34,00,2e,00,30,00,30,00,2e,\
00,30,00,30,00,39,00,33,00,2e,00,31,00,00,00,01,00,00,00,16,00,00,00,43,00,\
44,00,52,00,4f,00,4d,00,5f,00,53,00,2e,00,34,00,30,00,00,00,02,00,00,00,04,\
00,00,00,06,00,00,00,0a,00,00,00,04,00,00,00,25,a1,a1,22,01,00,00,00,1a,00,\
00,00,42,00,4f,00,4f,00,54,00,46,00,4f,00,4e,00,54,00,2e,00,42,00,49,00,4e,\
00,00,00,02,00,00,00,04,00,00,00,c2,e7,01,00,01,00,00,00,18,00,00,00,41,00,\
55,00,54,00,4f,00,52,00,55,00,4e,00,2e,00,49,00,4e,00,46,00,00,00,01,00,00,\
00,20,00,00,00,53,00,45,00,54,00,55,00,50,00,5f,00,41,00,4c,00,50,00,48,00,\
41,00,2e,00,45,00,58,00,45,00,00,00,00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\simulate.exe]
"279"=hex:0c,00,00,00,00,00,00,00,06,00,00,00,04,00,00,00,10,00,00,00,00,00,00,\
00,00,00,07,00,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,\
6e,00,64,00,65,00,72,00,77,00,61,00,72,00,65,00,20,00,43,00,6f,00,72,00,70,\
00,6f,00,72,00,61,00,74,00,69,00,6f,00,6e,00,00,00,0f,00,00,00,26,00,00,\
54,00,72,00,61,00,69,00,6e,00,69,00,6e,00,67,00,20,00,53,00,69,00,6d,00,75,\
00,6c,00,61,00,74,00,6f,00,00,72,00,00,00,00,00,00,00

"DllPatch-279"="shcmm.dll 8"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\SMARTCHK.exe]
"117"=hex:0c,00,00,00,46,4e,00,00,03,00,00,00,0e,00,00,00,16,00,00,00,53,00,6d,\
00,61,00,72,00,74,00,43,00,68,00,65,00,63,00,6b,00,00,00,15,00,00,00,08,00,\
00,00,58,03,00,00,00,00,06,00,00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\speechbar.exe]
"1"=hex:0c,00,00,00,2e,4e,00,00,03,00,00,00,15,00,00,00,08,00,00,00,23,00,00,\
00,02,00,05,00,01,00,00,00,24,00,00,00,61,00,00,00,63,00,74,00,69,00,6f,00,6e,00,\
6d,00,61,00,6e,00,61,00,67,00,65,00,72,00,2e,00,64,00,6c,00,6c,00,00,00,00,\
00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\START.EXE]
"322"=hex:0c,00,00,00,5e,4e,00,00,02,00,00,00,01,00,00,00,32,00,00,00,57,00,49,\
00,4e,00,33,00,32,00,5c,00,4c,00,41,00,50,00,4c,00,49,00,4e,00,4b,00,5c,00,\
```

```
5f,00,53,00,45,00,54,00,55,00,50,00,2e,00,4c,00,49,00,42,00,00,00,02,00,00,\
00,04,00,00,00,79,30,09,00,0a,00,00,00,04,00,00,00,0a,6a,d8,9a,00,00,00,00

"325"=hex:0c,00,00,00,5e,4e,00,00,02,00,00,00,01,00,00,00,02,00,00,00,77,00,69,\
00,6e,00,33,00,32,00,5c,00,4c,00,41,00,50,00,4c,00,49,00,4e,00,4b,00,5c,00,\
4c,00,4c,00,57,00,4e,00,54,00,2e,00,38,00,00,00,01,00,00,00,32,00,00,00,77,\
00,69,00,6e,00,33,00,32,00,5c,00,4c,00,41,00,50,00,4c,00,49,00,4e,00,4b,00,\
5c,00,5f,00,53,00,45,00,54,00,55,00,50,00,2e,00,4c,00,49,00,42,00,00,00,02,\
00,00,00,04,00,00,00,0c,cb,09,00,0a,00,00,00,04,00,00,00,9a,93,52,f3,00,00,\
00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\Start32.exe]
"164"=hex:0c,00,00,00,76,4e,00,00,01,00,00,00,01,00,00,00,30,00,00,00,56,00,69,\
00,73,00,69,00,6f,00,6e,00,5c,00,44,00,65,00,6c,00,75,00,78,00,65,00,5c,00,\
70,00,70,00,76,00,65,00,72,00,2e,00,64,00,6c,00,6c,00,00,00,15,00,00,00,08,\
00,00,00,00,00,00,00,01,00,06,00,01,00,00,00,30,00,00,00,56,00,69,00,73,00,\
69,00,6f,00,6e,00,5c,00,44,00,65,00,6c,00,75,00,78,00,65,00,5c,00,53,00,65,\
00,74,00,75,00,70,00,2e,00,65,00,78,00,65,00,00,00,15,00,00,00,08,00,00,00,\
00,00,89,00,32,00,05,00,00,00,00,00

"468"=hex:0c,00,00,00,76,4e,00,00,01,00,00,00,01,00,00,00,40,00,00,00,56,00,69,\
00,73,00,69,00,6f,00,6e,00,5c,00,50,00,61,00,70,00,72,00,70,00,6f,00,72,00,\
74,00,5c,00,44,00,49,00,53,00,4b,00,31,00,5c,00,73,00,65,00,74,00,75,00,70,\
00,2e,00,70,00,6b,00,67,00,00,00,01,00,00,00,40,00,00,00,56,00,69,00,73,00,\
69,00,6f,00,6e,00,5c,00,50,00,61,00,70,00,72,00,70,00,6f,00,72,00,74,00,5c,\
00,44,00,49,00,53,00,4b,00,31,00,5c,00,50,00,50,00,56,00,45,00,52,00,2e,00,\
44,00,4c,00,4c,00,00,00,15,00,00,00,08,00,00,00,00,00,00,00,03,00,05,00,00,\
00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\SYSDOC32.EXE]
"1"=hex:0c,00,00,00,57,4e,00,00,03,02,00,00,15,00,00,00,08,00,00,00,00,00,\
00,00,00,02,00,01,00,00,00,1a,00,00,00,73,00,75,00,6e,00,7a,00,69,00,70,00,\
33,00,32,00,2e,00,64,00,6c,00,6c,00,00,00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\timeslip.exe]
"287"=hex:0c,00,00,00,7c,4e,00,00,01,00,00,00,0d,00,00,00,10,00,00,00,39,00,2e,\
00,30,00,2e,00,33,00,2e,00,30,00,00,00,01,00,00,00,1a,00,00,00,74,00,73,00,\
6d,00,6e,00,30,00,31,00,33,00,32,00,2e,00,64,00,6c,00,6c,00,00,00,0d,00,00,\
00,10,00,00,00,39,00,2e,00,30,00,2e,00,33,00,2e,00,30,00,00,00,00,00,00

"288"=hex:0c,00,00,00,7c,4e,00,00,01,00,00,00,0d,00,00,00,10,00,00,00,39,00,2e,\
00,30,00,2e,00,34,00,2e,00,30,00,00,00,01,00,00,00,1a,00,00,00,74,00,73,00,\
6d,00,6e,00,30,00,31,00,33,00,32,00,2e,00,64,00,6c,00,6c,00,00,00,0d,00,00,\
00,10,00,00,00,39,00,2e,00,30,00,2e,00,34,00,2e,00,30,00,00,00,00,00,00,00

"289"=hex:0c,00,00,00,7c,4e,00,00,01,00,00,00,0d,00,00,00,10,00,00,00,39,00,2e,\
00,30,00,2e,00,35,00,2e,00,30,00,00,00,01,00,00,00,1a,00,00,00,74,00,73,00,\
6d,00,6e,00,30,00,31,00,33,00,32,00,2e,00,64,00,6c,00,6c,00,00,00,0d,00,00,\
00,10,00,00,00,39,00,2e,00,30,00,2e,00,35,00,2e,00,30,00,00,00,00,00,00,00

"290"=hex:0c,00,00,00,7c,4e,00,00,01,00,00,00,0d,00,00,00,10,00,00,00,39,00,2e,\
00,30,00,2e,00,36,00,2e,00,30,00,00,00,01,00,00,00,1a,00,00,00,74,00,73,00,\
6d,00,6e,00,30,00,31,00,33,00,32,00,2e,00,64,00,6c,00,6c,00,00,00,0d,00,00,\
00,10,00,00,00,39,00,2e,00,30,00,2e,00,36,00,2e,00,30,00,00,00,00,00,00,00

"291"=hex:0c,00,00,00,7c,4e,00,00,01,00,00,00,0d,00,00,00,10,00,00,00,39,00,2e,\
00,30,00,2e,00,37,00,2e,00,30,00,00,00,01,00,00,00,1a,00,00,00,74,00,73,00,\
6d,00,6e,00,30,00,31,00,33,00,32,00,2e,00,64,00,6c,00,6c,00,00,00,0d,00,00,\
00,10,00,00,00,39,00,2e,00,30,00,2e,00,37,00,2e,00,30,00,00,00,00,00,00,00

"292"=hex:0c,00,00,00,7c,4e,00,00,01,00,00,00,0d,00,00,00,10,00,00,00,39,00,2e,\
00,30,00,2e,00,38,00,2e,00,30,00,00,00,01,00,00,00,1a,00,00,00,74,00,73,00,\
6d,00,6e,00,30,00,31,00,33,00,32,00,2e,00,64,00,6c,00,6c,00,00,00,0d,00,00,\
00,10,00,00,00,39,00,2e,00,30,00,2e,00,38,00,2e,00,30,00,00,00,00,00,00,00

"293"=hex:0c,00,00,00,7c,4e,00,00,01,00,00,00,0d,00,00,00,10,00,00,00,39,00,2e,\
00,30,00,2e,00,39,00,2e,00,30,00,00,00,01,00,00,00,1a,00,00,00,74,00,73,00,\
6d,00,6e,00,30,00,31,00,33,00,32,00,2e,00,64,00,6c,00,6c,00,00,00,0d,00,00,\
```

```

00,10,00,00,00,39,00,2e,00,30,00,2e,00,39,00,2e,00,30,00,00,00,00,00,00,00
"294"=hex:0c,00,00,00,7c,4e,00,00,01,00,00,0d,00,00,00,12,00,00,00,00,39,00,2e,\
00,30,00,2e,00,30,00,2e,00,35,00,30,00,00,00,01,00,00,00,1a,00,00,00,74,00,\
73,00,6d,00,6e,00,30,00,31,00,33,00,32,00,2e,00,64,00,6c,00,6c,00,00,0d,\
00,00,00,12,00,00,00,39,00,2e,00,30,00,2e,00,30,00,2e,00,30,00,00,00,00,00,\
00,00,00,00
"295"=hex:0c,00,00,00,7c,4e,00,00,01,00,00,0d,00,00,00,12,00,00,00,39,00,2e,\
00,30,00,2e,00,30,00,2e,00,35,00,30,00,00,00,01,00,00,00,1a,00,00,00,74,00,\
73,00,6d,00,6e,00,30,00,31,00,33,00,32,00,2e,00,64,00,6c,00,6c,00,00,0d,\
00,00,00,12,00,00,00,39,00,2e,00,30,00,2e,00,30,00,2e,00,35,00,30,00,00,00,\
00,00,00,00
"296"=hex:0c,00,00,00,7c,4e,00,00,01,00,00,0d,00,00,00,12,00,00,00,39,00,2e,\
00,30,00,2e,00,30,00,2e,00,35,00,31,00,00,00,01,00,00,00,1a,00,00,00,74,00,\
73,00,6d,00,6e,00,30,00,31,00,33,00,32,00,2e,00,64,00,6c,00,6c,00,00,0d,\
00,00,00,12,00,00,00,39,00,2e,00,30,00,2e,00,30,00,2e,00,35,00,31,00,00,00,\
00,00,00,00
"297"=hex:0c,00,00,00,7c,4e,00,00,01,00,00,0d,00,00,00,12,00,00,00,39,00,2e,\
00,30,00,2e,00,30,00,2e,00,35,00,32,00,00,00,01,00,00,00,1a,00,00,00,74,00,\
73,00,6d,00,6e,00,30,00,31,00,33,00,32,00,2e,00,64,00,6c,00,6c,00,00,0d,\
00,00,00,12,00,00,00,39,00,2e,00,30,00,2e,00,30,00,2e,00,35,00,32,00,00,00,\
00,00,00,00
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\update.exe]
"187"=hex:0c,00,00,00,5b,4e,00,00,01,00,00,00,01,00,00,00,3c,00,00,00,45,00,61,\
00,73,00,79,00,43,00,44,00,43,00,72,00,65,00,61,00,74,00,6f,00,00,72,00,5c,00,\
64,00,69,00,73,00,6b,00,31,00,5c,00,53,00,45,00,54,00,55,00,50,00,2e,00,45,\
00,58,00,45,00,00,01,00,00,00,42,00,00,45,00,61,00,73,00,79,00,43,00,\
44,00,43,00,72,00,65,00,61,00,74,00,6f,00,72,00,5c,00,64,00,69,00,73,00,6b,\
00,31,00,5c,00,61,00,73,00,70,00,69,00,69,00,6e,00,73,00,74,00,2e,00,65,00,\
78,00,65,00,00,00,01,00,00,00,18,00,00,00,41,00,75,00,74,00,6f,00,72,00,75,\
00,6e,00,2e,00,69,00,6e,00,66,00,00,00,01,00,00,00,16,00,00,00,64,00,69,00,\
72,00,65,00,63,00,74,00,2e,00,64,00,69,00,72,00,00,00,01,00,00,00,16,00,00,\
00,65,00,61,00,73,00,79,00,63,00,64,00,2e,00,64,00,69,00,72,00,00,00,02,00,\
00,00,04,00,00,00,b8,84,02,00,0a,00,00,00,04,00,00,00,fa,1c,be,88,01,00,00,\
00,14,00,00,00,4c,00,49,00,4e,00,47,00,4f,00,2e,00,49,00,4e,00,49,00,00,00,\
0a,00,00,00,04,00,00,00,79,21,11,d6,01,00,00,00,14,00,00,00,73,00,65,00,74,\
00,75,00,70,00,2e,00,65,00,78,00,65,00,00,00,01,00,00,00,14,00,00,00,73,00,\
65,00,74,00,75,00,70,00,2e,00,69,00,6e,00,69,00,00,00,00,00,00
"278"=hex:0c,00,00,00,00,00,00,00,06,00,00,0d,00,00,00,08,00,00,00,35,00,2e,\
00,35,00,00,00,0f,00,00,00,40,00,00,00,4d,00,69,00,63,00,72,00,6f,00,73,00,\
6f,00,66,00,74,00,20,00,45,00,78,00,63,00,68,00,61,00,6e,00,67,00,65,00,20,\
00,53,00,65,00,72,00,76,00,65,00,72,00,20,00,53,00,65,00,74,00,75,00,70,00,\
00,00,00,00,00,00
"DllPatch-278"="shcmm.dll 6"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\v3p0701t.exe]
"368"=hex:0c,00,00,00,00,82,4e,00,00,01,00,00,00,02,00,00,00,04,00,00,00,ac,16,1a,\
00,0a,00,00,00,04,00,00,00,2a,dc,b6,22,00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\VISIO32.EXE]
"1"=hex:0c,00,00,00,00,28,4e,00,00,00,03,00,00,00,15,00,00,00,08,00,00,00,94,02,00,\
00,00,00,05,00,01,00,00,00,1a,00,00,00,56,00,69,00,73,00,69,00,6f,00,64,00,\
77,00,67,00,2e,00,64,00,6c,00,6c,00,00,00,00,00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\vw.exe]
"275"=hex:0c,00,00,00,00,00,00,00,06,00,00,00,04,00,00,00,10,00,00,00,91,02,32,\
00,02,00,06,00,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,ff,\
53,00,20,00,54,00,6f,00,6f,00,6c,00,6b,00,69,00,74,00,20,00,66,00,6f,00,72,\
00,20,00,57,00,69,00,6e,00,33,00,32,00,00,00,00,00,00,00

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"DllPatch-275"="shcmm.dll 1"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\VOICEPAD.EXE]
"1"=hex:0c,00,00,00,3c,4e,00,00,01,00,00,00,15,00,00,00,08,00,00,00,00,00,55,\
02,05,00,02,00,01,00,00,00,1a,00,00,00,56,00,50,00,61,00,64,00,44,00,65,00,\
6d,00,6f,00,2e,00,65,00,78,00,65,00,00,00,00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\WEBCFG32.EXE]
"1"=hex:0c,00,00,00,45,4e,00,00,01,00,00,00,15,00,00,00,08,00,00,00,00,00,06,\
00,01,00,03,00,01,00,00,00,18,00,00,00,77,00,62,00,78,00,65,00,63,00,6f,00,\
6d,00,2e,00,64,00,6c,00,6c,00,00,00,00,00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\WEBSANX.EXE]
"1"=hex:0c,00,00,00,45,4e,00,00,01,00,00,00,15,00,00,00,08,00,00,00,00,00,06,\
00,01,00,03,00,01,00,00,00,1a,00,00,00,77,00,62,00,68,00,6f,00,6f,00,6b,00,\
33,00,32,00,2e,00,64,00,6c,00,6c,00,00,00,00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\WebSetup.EXE]
"142"=hex:0c,00,00,00,00,00,00,00,00,05,00,00,00,02,00,00,00,04,00,00,00,83,e7,77,\
00,0a,00,00,00,04,00,00,00,cd,0b,4e,ce,00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\WELCOME.EXE]
"466"=hex:0c,00,00,00,27,4e,00,00,01,00,00,00,01,00,00,00,66,00,00,00,2e,00,2e,\
00,5c,00,49,00,4e,00,53,00,54,00,41,00,4c,00,4c,00,53,00,5c,00,70,00,63,00,\
41,00,6e,00,79,00,77,00,68,00,65,00,72,00,65,00,5c,00,50,00,63,00,61,00,33,\
00,32,00,5c,00,43,00,44,00,5c,00,44,00,69,00,73,00,6b,00,31,00,5c,00,69,00,\
73,00,63,00,75,00,73,00,74,00,6f,00,6d,00,2e,00,64,00,6c,00,6c,00,00,00,15,\
00,00,00,08,00,00,00,88,00,00,00,09,00,00,00,00,00,00,00

"324"=hex:0c,00,00,00,5e,4e,00,00,02,00,00,00,01,00,00,00,20,00,00,00,4c,00,41,\
00,50,00,4c,00,49,00,4e,00,4b,00,5c,00,4c,00,4c,00,57,00,4e,00,54,00,2e,00,\
38,00,00,00,01,00,00,00,26,00,00,00,4c,00,41,00,50,00,4c,00,49,00,4e,00,4b,\
00,5c,00,5f,00,53,00,45,00,54,00,55,00,50,00,2e,00,4c,00,49,00,42,00,00,00,\
02,00,00,00,04,00,00,00,79,30,09,00,0a,00,00,00,04,00,00,00,8a,6a,d8,9a,00,\
00,00,00

"327"=hex:0c,00,00,00,5e,4e,00,00,02,00,00,00,01,00,00,00,20,00,00,00,4c,00,41,\
00,50,00,4c,00,49,00,4e,00,4b,00,5c,00,4c,00,4c,00,57,00,4e,00,54,00,2e,00,\
38,00,00,00,01,00,00,00,26,00,00,00,4c,00,41,00,50,00,4c,00,49,00,4e,00,4b,\
00,5c,00,5f,00,53,00,45,00,54,00,55,00,50,00,2e,00,4c,00,49,00,42,00,00,00,\
02,00,00,00,04,00,00,00,0c,cb,09,00,0a,00,00,00,04,00,00,00,9a,93,52,f3,00,\
00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\winhlp32.exe]
"370"=hex:0c,00,00,00,00,00,00,00,06,00,00,00,0c,00,00,00,2c,00,00,00,4d,00,69,\
00,63,00,72,00,6f,00,73,00,6f,00,66,00,74,00,20,00,43,00,6f,00,72,00,70,00,\
6f,00,72,00,61,00,74,00,69,00,6f,00,6e,00,00,00,0f,00,00,00,20,00,00,00,4d,\
00,69,00,63,00,72,00,6f,00,73,00,6f,00,66,00,74,00,ae,00,20,00,48,00,65,00,\
6c,00,70,00,00,00,00,00,00,00

"DllPatch-370"="shcmm.dll 13-(ROBOEX32.DLL)"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\winnt32.exe]
"379"=hex:0c,00,00,00,84,4e,00,00,01,00,00,00,0d,00,00,00,0a,00,00,00,34,00,2e,\
00,30,00,30,00,00,0e,00,00,00,5a,00,00,00,4d,00,69,00,63,00,72,00,6f,00,\
73,00,6f,00,66,00,74,00,28,00,52,00,29,00,20,00,57,00,69,00,6e,00,64,00,6f,\
00,77,00,73,00,20,00,4e,00,54,00,28,00,54,00,4d,00,29,00,20,00,4f,00,70,00,\
65,00,72,00,61,00,74,00,69,00,6e,00,67,00,20,00,53,00,79,00,73,00,74,00,65,\
00,6d,00,00,00,00,00,00,00

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\world.exe]
"373"=hex:0c,00,00,00,00,00,00,00,06,00,00,00,04,00,00,00,10,00,00,00,00,00,00,\
00,00,00,01,00,00,00,00,00,00,00,ff,ff,0f,00,00,00,3e,00,00,00,41,00,75,00,\
74,00,6f,00,64,00,65,00,73,00,6b,00,20,00,57,00,6f,00,72,00,6c,00,64,00,28,\
00,54,00,4d,00,29,00,20,00,41,00,70,00,70,00,6c,00,69,00,63,00,61,00,74,00,\
69,00,6f,00,6e,00,00,00,00,00,00,00
"DllPatch-373"="shcmm.dll 16"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\XifEView.exe]
"384"=hex:0c,00,00,00,81,4e,00,00,01,00,00,00,15,00,00,00,08,00,00,00,00,00,75,\
00,00,00,03,00,01,00,00,00,14,00,00,00,50,00,61,00,67,00,69,00,73,00,2e,00,\
63,00,6e,00,74,00,00,00,00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\zm.exe]
"487"=hex:0c,00,00,00,74,4e,00,00,03,00,00,00,0a,00,00,00,04,00,00,00,d2,fa,06,\
65,0f,00,00,00,1c,00,00,00,5a,00,69,00,70,00,4d,00,61,00,67,00,69,00,63,00,\
20,00,32,00,30,00,30,00,30,00,00,01,00,00,00,1a,00,00,00,5a,00,4d,00,44,\
00,65,00,63,00,6f,00,64,00,65,00,2e,00,64,00,6c,00,6c,00,00,00,0a,00,00,00,\
04,00,00,00,fe,c5,2d,41,00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\_INS0432._MP]
"283"=hex:0c,00,00,00,00,00,00,00,01,00,00,00,04,00,00,00,10,00,00,00,00,00,6a,\
00,00,00,03,00,ff,ff,ff,ff,ff,ff,ff,0f,00,00,00,32,00,00,00,49,00,6e,00,\
73,00,74,00,61,00,6c,00,6c,00,53,00,68,00,69,00,65,00,6c,00,64,00,20,00,45,\
00,6e,00,67,00,69,00,6e,00,65,00,20,00,45,00,58,00,45,00,00,00,00,00,00,00
"DllPatch-283"="shcmm.dll 9"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\_INS5176._MP]
"495"=hex:0c,00,00,00,00,00,00,00,06,00,00,00,04,00,00,00,10,00,00,00,00,00,9c,\
00,0a,00,05,00,ff,ff,ff,ff,ff,ff,ff,0f,00,00,00,2a,00,00,00,49,00,6e,00,\
73,00,74,00,61,00,6c,00,6c,00,53,00,68,00,69,00,65,00,6c,00,64,00,20,00,45,\
00,6e,00,67,00,69,00,6e,00,65,00,00,00,00,00,00,00,00,00
"DllPatch-495"="shcmm.dll 22"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppCompatibility\_INS576._MP]
"476"=hex:0c,00,00,00,00,00,00,00,01,00,00,00,04,00,00,00,10,00,00,00,00,00,dd,\
00,00,00,05,00,ff,ff,ff,ff,ff,ff,ff,0f,00,00,00,2a,00,00,00,49,00,6e,00,\
73,00,74,00,61,00,6c,00,6c,00,53,00,68,00,69,00,65,00,6c,00,64,00,20,00,45,\
00,6e,00,67,00,69,00,6e,00,65,00,00,00,00,00,00,00,00,00
"DllPatch-476"="shcmm.dll 19"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session Manager\AppPatches]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session Manager\AppPatches\CWD]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\CWD\ff060102423da0000407108e0500]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\CWD\ff060102423da0000407108e0500\1]
"Add1"=hex:02,15,40,a0,10,1e,b8,23,00,8e,d8,8b,0e,14,07,81,e1,00,02,1f,c3
"Change1"=hex:01,1d,50,48,0c,55,8b,ec,b8,00,00,9c,59,81,e1,00,02,55,8b,ec,b8,\
00,00,e8,e7,57,90,90,90

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\INSTBI01]
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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\INSTBI01\ff06010242935100040720730500]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\INSTBI01\ff06010242935100040720730500\1]
"Change1"=hex:01,49,d0,18,22,45,55,8b,ec,1e,b4,43,32,c0,c5,56,06,cd,21,1f,72,\
0a,c4,5e,0a,26,89,0f,33,c0,eb,04,50,e8,fa,02,5d,4d,cb,55,8b,ec,1e,b8,00,43,\
c5,56,06,cd,21,1f,72,0d,c4,5e,0a,80,e1,1f,26,89,0f,33,c0,eb,04,50,e8,fa,02,\
5d,cb

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\INSTBI02]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\INSTBI02\ff06010242468300040790c80400]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\INSTBI02\ff06010242468300040790c80400\1]
"Change1"=hex:01,51,12,46,26,45,55,8b,ec,56,57,1e,b4,43,32,c0,c5,56,06,cd,21,\
1f,72,0a,c4,5e,0a,26,89,0f,33,c0,eb,04,50,e8,4b,03,5f,5e,5d,4d,cb,45,55,8b,\
ec,1e,b4,43,32,c0,c5,56,06,cd,21,1f,72,0a,c4,5e,0a,80,e1,1f,26,89,0f,33,c0,\
eb,04,50,e8,4b,03,5d,4d,cb,90

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\INSTBIN]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\INSTBIN\ff0601024cab7b000407b0ea0400]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\INSTBIN\ff0601024cab7b000407b0ea0400\2]
"Change1"=hex:01,15,f0,3b,08,3d,03,5f,74,03,e9,06,00,3d,03,5f,90,90,e9,06,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\INSTSCR]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\INSTSCR\ff060102c47b1f00040750db0100]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\INSTSCR\ff060102c47b1f00040750db0100\1]
"Change1"=hex:01,13,84,1e,07,45,55,8b,ec,68,00,20,45,55,8b,ec,68,02,20

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\LTSPRINT]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\LTSPRINT\ff060102424f3f000306706600]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\LTSPRINT\ff060102424f3f000306706600\1]
"Change1"=hex:01,0b,9c,1c,03,3d,00,01,3d,00,06

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\MYST]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\MYST\ff060102423bab000407102e0600]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\MYST\ff060102423bab000407102e0600\1]
"Add1"=hex:02,15,40,ab,10,1e,b8,23,00,8e,d8,8b,0e,14,07,81,e1,00,02,1f,c3
```

"Change1"=hex:01,1d,50,49,0c,55,8b,ec,b8,00,00,9c,59,81,e1,00,02,55,8b,ec,b8,\
00,00,e8,e7,61,90,90,90

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\OUTPOST]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\OUTPOST\ff06010242410f000306801500]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\OUTPOST\ff06010242410f000306801500\1]
"Change1"=hex:01,0f,09,0a,05,9a,73,05,ff,01,b8,03,0a,90,90

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\PALED40]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\PALED40\ff060102420032000407401b0100]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\PALED40\ff060102420032000407401b0100\1]
"Change1"=hex:01,07,b7,21,01,d8,0c

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\SETUP]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\SETUP\ff0601024211e100040750e50700]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\SETUP\ff0601024211e100040750e50700\1]
"Change1"=hex:01,1d,3f,e0,0c,8b,46,e8,8b,56,ea,2b,46,fa,1b,56,fc,b8,50,01,ba,\
00,00,90,90,90,90,90,90

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\SETUP\ff0601024237e6000407d00e0800]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\SETUP\ff0601024237e6000407d00e0800\1]
"Change1"=hex:01,1d,65,e5,0c,8b,46,e8,8b,56,ea,2b,46,fa,1b,56,fc,b8,50,01,ba,\
00,00,90,90,90,90,90,90

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\SETUP\ff060102428203000306401600]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\SETUP\ff060102428203000306401600\1]
"Change1"=hex:01,0f,28,03,05,33,ed,55,9a,13,b8,00,4c,cd,21

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\SETUP\ff0601025621ef000407f07a0700]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\SETUP\ff0601025621ef000407f07a0700\3]
"Change1"=hex:01,1d,f3,45,0c,8b,4e,f0,8b,5e,f2,2b,4e,f4,1b,5e,f6,b9,50,01,bb,\
00,00,90,90,90,90,90,90

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\SETUP\ff0601025642ea00040750550700]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\SETUP\ff0601025642ea00040750550700\3]
"Change1"=hex:01,1d,b7,41,0c,8b,4e,f0,8b,5e,f2,2b,4e,f4,1b,5e,f6,b9,50,01,bb,\

00,00,90,90,90,90,90,90

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\SETUP\ff060102564ee6000407b0670700]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\SETUP\ff060102564ee6000407b0670700\3]
"Change1"=hex:01,15,7c,35,08,66,8b,46,fc,66,2b,46,f0,66,b8,50,01,00,00,90,90

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\SETUP\ff060102565ce5000407d0600700]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\SETUP\ff060102565ce5000407d0600700\3]
"Change1"=hex:01,1d,fd,34,0c,8b,4e,f0,8b,5e,f2,2b,4e,f4,1b,5e,f6,b9,50,01,bb,\
00,00,90,90,90,90,90,90

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\SETUP\ff0601025674e6000407704d0700]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\SETUP\ff0601025674e6000407704d0700\3]
"Change1"=hex:01,1d,cf,3d,0c,8b,4e,f0,8b,5e,f2,2b,4e,f4,1b,5e,f6,b9,50,01,bb,\
00,00,90,90,90,90,90,90

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\SETUP\ff06010256b1dd00040760ef0b00]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\SETUP\ff06010256b1dd00040760ef0b00\3]
"Change1"=hex:01,15,2c,3b,08,66,8b,46,f0,66,2b,46,f4,66,b8,50,01,00,00,90,90

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\SETUP\ff06010256c1ef00040770fb0600]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\SETUP\ff06010256c1ef00040770fb0600\3]
"Change1"=hex:01,1d,fd,38,0c,8b,46,f0,8b,56,f2,2b,4e,f4,1b,56,f6,b8,50,01,ba,\
00,00,90,90,90,90,90,90

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\SETUP\ff06010256e2e400040750600700]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\SETUP\ff06010256e2e400040750600700\3]
"Change1"=hex:01,1d,fd,34,0c,8b,4e,f0,8b,5e,f2,2b,4e,f4,1b,5e,f6,b9,50,01,bb,\
00,00,90,90,90,90,90,90

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\SETUP\ff06010256eae500040710640700]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\SETUP\ff06010256eae500040710640700\3]
"Change1"=hex:01,1d,fd,34,0c,8b,4e,f0,8b,5e,f2,2b,4e,f4,1b,5e,f6,b9,50,01,bb,\
00,00,90,90,90,90,90,90

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\SETUP\ff06010256faef00040710c50600]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\SETUP\ff06010256faef00040710c50600\3]
"Change1"=hex:01,1d,b7,33,0c,8b,46,f0,8b,56,f2,2b,46,f4,1b,56,f6,b8,50,01,ba,\
00,00,90,90,90,90,90,90

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\SETUP16]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\SETUP16\ff0601024cd875000407a0db0100]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\SETUP16\ff0601024cd875000407a0db0100\2]
"Change1"=hex:01,23,17,42,0f,8b,c8,8b,d0,8b,5e,0e,2a,e4,89,07,8a,cd,2a,ed,b9,\
0a,00,ba,03,0a,8b,5e,0e,2a,e4,90,90,90,90

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session Manager\AppPatches\USA]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\USA\ff06010242059b00040710780600]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\USA\ff06010242059b00040710780600\1]
"Change1"=hex:01,1d,95,44,0c,55,8b,ec,b8,00,00,9c,59,81,e1,00,02,55,8b,ec,b8,\
00,00,e8,67,56,90,90,90
"Change2"=hex:01,25,05,9b,10,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
1e,b8,23,00,8e,d8,8b,0e,14,07,81,e1,00,02,1f,c3

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session Manager\AppPatches\VB]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\VB\ff060102ec353f00040780c81300]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\VB\ff060102ec353f00040780c81300\12]
"Change1"=hex:01,11,1b,03,06,81,3e,ba,31,34,03,81,3e,ba,31,09,03

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\VB40016]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\VB40016\ff0702021401ee3e000407d0460e00]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\VB40016\ff0702021401ee3e000407d0460e00\16]
"Change1"=hex:01,11,6d,2a,06,81,3e,6e,36,34,03,81,3e,6e,36,09,03

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\WISE0001]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\WISE0001\ff0601024cf4ef000407604e0100]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\AppPatches\WISE0001\ff0601024cf4ef000407604e0100\2]
"Change1"=hex:01,0f,8e,00,05,9a,4b,00,0f,02,b8,0c,29,90,90

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session Manager\DOS Devices]
"AUX"="\\DosDevices\COM1"
"MAILSLOT"="\\Device\Mailslot"
"NUL"="\\Device\Null"
"PIPE"="\\Device\NamedPipe"
"PRN"="\\DosDevices\LPT1"
"UNC"="\\Device\Mup"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session Manager\Environment]
"ComSpec"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,73,79,73,74,65,6d,33,\

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```

32,5c,63,6d,64,2e,65,78,65,00
"MAX_INTR"="400"
"NUMBER_OF_PROCESSORS"="8"
"OS"="Windows_NT"
"Os2LibPath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,73,79,73,74,65,6d,\
33,32,5c,6f,73,32,5c,64,6c,6c,3b,00
"Path"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,73,79,73,74,65,6d,33,32,\
3b,25,53,79,73,74,65,6d,52,6f,6f,74,25,3b,25,53,79,73,74,65,6d,52,6f,6f,74,\
25,5c,53,79,73,74,65,6d,33,32,5c,57,62,65,6d,3b,43,3a,5c,50,72,6f,67,72,61,\
6d,20,46,69,6c,65,73,5c,4d,69,63,72,6f,73,6f,66,74,20,53,51,4c,20,53,65,72,\
76,65,72,5c,38,30,5c,54,6f,6f,6c,73,5c,42,49,4e,4e,00
"PATHEXT"=".COM;.EXE;.BAT;.CMD;.VBS;.VBE;.JS;.JSE;.WSF;.WSH"
"PROCESSOR_ARCHITECTURE"="x86"
"PROCESSOR_IDENTIFIER"="x86 Family 6 Model 7 Stepping 3, GenuineIntel"
"PROCESSOR_LEVEL"="6"
"PROCESSOR_REVISION"="0703"
"RETRIES"="50"
"TEMP"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,54,45,4d,50,00
"TIME_OUT"="10"
"TMP"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,54,45,4d,50,00
"windir"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session Manager\Executive]
"AdditionalCriticalWorkerThreads"=dword:00000000
"AdditionalDelayedWorkerThreads"=dword:00000000
"PriorityQuantumMatrix"=hex:08,58,7e,ae,00,a3,02,00,82,52,bf,01

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session
Manager\FileRenameOperations]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session Manager\I/O System]
"LargeIrpStackLocations"=dword:00000007
"CountOperations"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session Manager\KnownDLLs]
"advapi32"="advapi32.dll"
"cmdlg32"="cmdlg32.dll"
"DllDirectory"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,73,79,73,74,65,6d,\
33,32,00
"gdi32"="gdi32.dll"
"imagehlp"="imagehlp.dll"
"kernel32"="kernel32.dll"
"lz32"="lz32.dll"
"ole32"="ole32.dll"
"oleaut32"="oleaut32.dll"
"olecli32"="olecli32.dll"
"olecnv32"="olecnv32.dll"
"olesvr32"="olesvr32.dll"
"olethk32"="olethk32.dll"
"rpcrt4"="rpcrt4.dll"
"shell32"="shell32.dll"
"url"="url.dll"
"urlmon"="urlmon.dll"
"user32"="user32.dll"
"version"="version.dll"
"wininet"="wininet.dll"
"wildap32"="wildap32.dll"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session Manager\Memory
Management]
"ClearPageFileAtShutdown"=dword:00000000
"DisablePagingExecutive"=dword:00000000
"IoPageLockLimit"=dword:00000000

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```
"LargeSystemCache"=dword:00000000
"NonPagedPoolQuota"=dword:00000000
"NonPagedPoolSize"=dword:00000000
"PagedPoolQuota"=dword:00000000
"PagedPoolSize"=dword:00000000
"PagingFiles"=hex(7):43,3a,5c,70,61,67,65,66,69,6c,65,2e,73,79,73,20,32,30,34,\
36,20,34,30,39,32,00,00
"SecondLevelDataCache"=dword:00000000
"SystemPages"=dword:00000000
"PhysicalAddressExtension"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session Manager\Power]
"AcPolicy"=hex:01,00,00,00,06,00,00,00,03,00,00,00,00,00,00,00,02,00,00,00,03,\
00,00,00,00,00,00,00,00,00,00,01,00,00,00,00,00,00,00,00,01,00,00,00,18,44,\
f9,77,02,00,00,00,01,00,00,00,00,00,00,00,00,00,00,00,32,77,07,00,02,00,00,\
00,04,00,00,00,02,00,00,00,01,00,00,00,00,00,00,00,00,00,00,03,00,00,00,\
01,00,00,00,03,00,00,00,02,00,00,00,00,00,c0,01,00,00,00,05,00,00,00,01,\
00,00,00,0a,00,00,00,00,00,00,00,03,00,00,00,01,00,01,00,01,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,03,00,00,00,00,00,b0,04,00,00,\
6e,b5,f8,77,00,00,00,00,20,fb,06,00,07,7f,db,77,00,00,00,00,00,64,64,5a,02,\
00,00,00,04,00,00,c0,00,00,00,00

"DcPolicy"=hex:01,00,00,00,06,00,00,00,03,00,00,00,00,00,00,00,02,00,00,00,03,\
00,00,00,00,00,00,00,00,00,00,01,00,00,00,00,00,00,00,00,01,00,00,00,33,00,\
2d,00,02,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,32,00,32,00,04,00,00,\
00,04,00,00,00,02,00,00,00,01,00,00,00,34,00,36,00,00,00,00,03,00,00,00,\
01,00,00,00,03,00,00,00,02,00,00,00,00,00,c0,01,00,00,00,05,00,00,00,01,\
00,00,00,0a,00,00,00,00,00,00,00,03,00,00,00,01,00,01,00,01,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
01,00,00,00,18,fc,06,00,2c,b3,f8,77,70,d1,fc,77,08,07,00,00,01,64,64,5a,02,\
00,00,00,04,00,00,c0,00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session Manager\SFC]
"ProgramFilesDir"="C:\\Program Files"
"CommonFilesDir"="C:\\Program Files\\Common Files"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session Manager\SubSystems]
"Debug"=hex(2):00
"Kmode"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,73,79,73,74,65,6d,33,32,\
5c,77,69,6e,33,32,6b,2e,73,79,73,00
"Optional"=hex(7):4f,73,32,00,50,6f,73,69,78,00,00
"Os2"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,73,79,73,74,65,6d,33,32,5c,\
6f,73,32,73,73,2e,65,78,65,00
"Posix"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,73,79,73,74,65,6d,33,32,\
5c,70,73,78,73,73,2e,65,78,65,00
"Required"=hex(7):44,65,62,75,67,00,57,69,6e,64,6f,77,73,00,00
"Windows"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,73,79,73,74,65,6d,33,\
32,5c,63,73,72,73,73,2e,65,78,65,20,4f,62,6a,65,63,74,44,69,72,65,63,74,6f,\
72,79,3d,5c,57,69,6e,64,6f,77,73,20,53,68,61,72,65,64,53,65,63,74,69,6f,6e,\
3d,31,30,32,34,2c,33,30,37,32,2c,35,31,32,20,57,69,6e,64,6f,77,73,3d,4f,6e,\
20,53,75,62,53,79,73,74,65,6d,54,79,70,65,3d,57,69,6e,64,6f,77,73,20,53,\
72,76,65,72,44,6c,6c,3d,62,61,73,65,73,72,76,2c,31,20,53,65,72,76,65,72,44,\
6c,6c,3d,77,69,6e,73,72,76,3a,55,73,65,72,53,65,72,76,65,72,44,6c,6c,49,6e,\
69,74,69,61,6c,69,7a,61,74,69,6f,6e,2c,33,20,53,65,72,76,65,72,44,6c,6c,3d,\
77,69,6e,73,72,76,3a,43,6f,6e,53,65,72,76,65,72,44,6c,6c,49,6e,74,69,61,\
6c,69,7a,61,74,69,6f,6e,2c,32,20,50,72,6f,66,69,6c,65,43,6f,6e,74,72,6f,6c,\
3d,4f,66,66,20,4d,61,78,52,65,71,75,65,73,74,54,68,72,65,61,64,73,3d,31,36,\
00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session Manager\SubSystems\CSRSS]
"CsrSrvSharedSectionBase"=dword:7f6f0000
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Setup]
"pointer"="mmps2"
"video"="VGA"
"keyboard"="STANDARD"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\StillImage]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\StillImage\Logging]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\StillImage\Logging\STICLI]
@"Still Image Client Application"
"Level"="4"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\StillImage\Logging\STIMON]
@"Still Image Monitoring Process"
"Level"="4"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SystemResources]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SystemResources\AssignmentOrdering]
"Eisa"="PCFlat"
"Isa"="PCFlat"
"PCFlat"=hex(a):a8,04,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00,00,00,00,00,00,01,00,00,00,01,00,01,00,24,00,00,00,00,01,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,05,00,00,00,00,00,ff,ff,00,00,00,00,00,\
00,08,01,00,00,00,00,00,00,00,00,00,00,00,00,00,40,01,00,00,00,00,00,\
7f,01,00,00,00,00,00,00,08,01,00,00,00,00,00,00,00,00,00,00,00,00,00,\
02,00,00,00,00,00,ff,02,00,00,00,00,00,08,01,00,00,00,00,00,00,00,\
00,00,00,00,00,00,03,00,00,00,00,00,00,00,00,00,00,00,00,00,08,01,00,\
00,00,00,00,00,00,00,00,00,00,00,00,78,03,00,00,00,00,00,00,00,00,\
00,00,00,00,08,01,00,00,00,00,00,00,00,00,00,00,00,00,e8,02,00,00,\
00,00,00,ff,02,00,00,00,00,00,00,08,01,00,00,00,00,00,00,00,00,00,00,\
00,00,f0,01,00,00,00,00,00,00,f8,01,00,00,00,00,00,00,08,01,00,00,00,\
00,00,00,00,00,00,00,00,00,b0,03,00,00,00,00,00,00,cf,03,00,00,00,00,\
08,01,00,00,00,00,00,00,00,00,00,00,00,00,00,e8,03,00,00,00,00,00,ff,\
03,00,00,00,00,00,08,01,00,00,00,00,00,00,00,00,00,00,00,00,ce,01,\
00,00,00,00,00,00,cf,01,00,00,00,00,00,00,08,01,00,00,00,00,00,00,00,\
00,00,00,00,00,00,01,00,00,00,00,00,00,00,ff,03,00,00,00,00,00,02,00,\
00,00,00,00,0f,00,00,00,0f,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00,00,00,08,02,00,00,00,00,00,0d,00,00,0d,00,00,00,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,08,02,00,00,00,00,00,00,0c,00,00,0c,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,08,02,00,00,00,00,\
09,00,00,00,09,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,08,\
02,00,00,00,00,00,08,00,00,00,08,00,00,00,00,00,00,00,00,00,00,00,\
00,00,00,00,00,00,08,02,00,00,00,00,00,07,00,00,00,07,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,08,02,00,00,00,00,00,00,0b,00,\
0b,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00,00,0a,00,00,00,0a,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00,00,08,02,00,00,00,00,00,00,02,00,00,00,02,00,00,00,00,00,00,00,\
00,00,00,00,00,00,00,00,08,02,00,00,00,00,00,05,00,00,00,05,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,08,02,00,00,00,00,03,\
00,00,00,03,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,08,02,\
00,00,00,00,00,04,00,00,00,04,00,00,00,00,00,00,00,00,00,00,00,00,\
00,00,00,00,08,02,00,00,00,00,00,0e,00,00,0e,00,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,08,02,00,00,00,00,00,06,00,00,06,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,08,02,00,00,\
00,00,0c,00,00,00,0c,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00,08,02,00,00,00,00,00,01,00,00,00,01,00,00,00,00,00,00,00,00,00,\
00,00,00,00,00,00,00,00,08,02,00,00,00,00,00,00,00,00,0f,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,03,00,00,00,00,00,00,00,\
00,00,00,00,00,00,00,00,10,00,00,00,00,ff,ff,af,ff,00,00,00,08,03,00,\
```



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03,00,00,e8,a2,00,00,00,00,00,08,00,00,01,03,00,00,e8,a6,00,00,00,00,\
00,00,08,00,00,01,03,00,00,e8,aa,00,00,00,00,00,08,00,00,01,03,00,\
00,e8,ae,00,00,00,00,00,00,08,00,00,01,03,00,00,e8,b6,00,00,00,00,\
08,00,00,01,03,00,00,e8,ba,00,00,00,00,00,08,00,00,01,03,00,00,e8,\
be,00,00,00,00,00,08,00,00,01,03,00,00,e8,c2,00,00,00,00,00,08,00,\
00,00,01,03,00,00,e8,c6,00,00,00,00,00,08,00,00,01,03,00,00,e8,ca,00,\
00,00,00,00,08,00,00,01,03,00,00,e8,ce,00,00,00,00,00,08,00,00,00,\
01,03,00,00,e8,d2,00,00,00,00,00,00,08,00,00,01,03,00,00,e8,d6,00,00,\
00,00,00,08,00,00,01,03,00,00,e8,da,00,00,00,00,00,08,00,00,01,03,\
00,00,e8,de,00,00,00,00,00,08,00,00,01,03,00,00,e8,e2,00,00,00,00,\
00,08,00,00,01,03,00,00,e8,e6,00,00,00,00,00,08,00,00,01,03,00,00,\
e8,ea,00,00,00,00,00,08,00,00,01,03,00,00,e8,ee,00,00,00,00,00,08,\
00,00,00,01,03,00,00,ee,f6,00,00,00,00,00,02,00,00,00,01,03,00,00,ee,fa,\
00,00,00,00,00,02,00,00,00,01,03,00,00,ee,fe,00,00,00,00,00,02,00,00,\
00,02,03,00,00,03,00,00,00,03,00,00,ff,ff,ff,ff,02,03,00,04,00,00,00,\
04,00,00,00,ff,ff,ff,ff,02,03,00,00,0e,00,00,0e,00,00,00,ff,ff,ff,ff,02,\
03,00,00,06,00,00,00,06,00,00,ff,ff,ff,ff,02,03,00,00,0c,00,00,0c,00,\
00,00,ff,ff,ff,ff,02,03,00,00,01,00,00,01,00,00,ff,ff,ff,ff,03,03,00,\
00,ff,ff,bf,ff,00,00,00,00,00,40,00
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Terminal Server]
"DeleteTempDirsOnExit"=dword:00000001
"FirstCountMsgQPeeksSleepBadApp"=dword:0000000f
"Modems With Bad DSR"=hex(7):4d,75,6c,74,69,54,65,63,68,20,4d,75,6c,74,69,4d,\
6f,64,65,6d,20,4d,54,32,38,33,34,00,4d,75,6c,74,69,54,65,63,68,20,4d,75,6c,\
74,69,4d,6f,64,65,6d,20,4d,54,32,38,33,34,5a,44,58,00,4d,75,6c,74,69,54,65,\
63,68,20,4d,54,32,38,33,34,00,4d,75,6c,74,69,54,65,63,68,20,4d,54,32,38,33,\
54,5a,44,58,00,4d,75,6c,74,69,54,65,63,68,20,32,38,33,34,00,4d,75,6c,74,69,\
54,65,63,68,20,32,38,33,34,5a,44,58,00,00
"MsgQBadAppSleepTimeInMillisec"=dword:00000001
"NthCountMsgQPeeksSleepBadApp"=dword:00000005
"PerSessionTempDir"=dword:00000001
"ProductVersion"="5.0"
"TSEnabled"=dword:00000001
"IdleWinStationPoolCount"=dword:00000000
"TSAppCompat"=dword:00000000
"TSUserEnabled"=dword:00000000
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Terminal Server\AddIns]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Terminal Server\AddIns\Clip
Redirector]
"Name"="RDPClip"
"Type"=dword:00000003
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Terminal Server\AddIns\Terminal
Server Redirector]
"Name"="\\Device\RdpDr"
"Type"=dword:00000000
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Terminal
Server\AuthorizedApplications]
@=""
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Terminal
Server\DefaultUserConfiguration]
"Callback"=dword:00000000
"CallbackNumber"=""
"Domain"=""
"InitialProgram"=""
"KeyboardLayout"=dword:00000000
"MaxConnectionTime"=dword:00000000
"MaxDisconnectionTime"=dword:00000000
```

```
"MaxIdleTime"=dword:00000000
"NWLogonServer"=""
"Password"=""
"Shadow"=dword:00000001
"UserName"=""
"WorkDirectory"=""
"fInheritAutoLogon"=dword:00000001
"fInheritCallback"=dword:00000000
"fInheritCallbackNumber"=dword:00000000
"fInheritInitialProgram"=dword:00000001
"fInheritMaxDisconnectionTime"=dword:00000000
"fInheritMaxIdleTime"=dword:00000000
"fInheritMaxSessionTime"=dword:00000000
"fInheritReconnectSame"=dword:00000000
"fInheritResetBroken"=dword:00000000
"fInheritShadow"=dword:00000000
"fLogonDisabled"=dword:00000000
"fPromptForPassword"=dword:00000001
"fReconnectSame"=dword:00000000
"fResetBroken"=dword:00000000
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Terminal Server\Dos]
"KbdIdleBusysmsAllowed"=dword:00000003c
"KbdIdleDetectAbsolute"=dword:00000001
"KbdIdleDetectProbationCount"=dword:000000050
"KbdIdleInProbationCount"=dword:000000023
"KbdIdlemsAllowed"=dword:00000000
"KbdIdlemsGoodProbationEnd"=dword:000009c4
"KbdIdlemsProbationTrial"=dword:000009c4
"KbdIdlemsSleep"=dword:00000064
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Terminal Server\KeyboardType
Mapping]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Terminal Server\KeyboardType
Mapping\JPN]
"00000000"="kbd101.dll"
"00000001"="kbdax2.dll"
"00000002"="kbd106.dll"
"00000003"="kbidbm02.dll"
"00010D01"="kbdnec95.dll"
"00000000017"="kbidlk41a.dll"
"000000020015"="kbdnecAT.dll"
"000000020017"="kbidlk41j.dll"
"00000D01"="kbdnecNT.dll"
"00000D04"="kbdnecNT.dll"
"00010002"="kbd106n.dll"
"00010D04"="kbdnec95.dll"
"00020002"="f3ahvoas.dll"
"00020D01"="kbdnecAT.dll"
"00020D04"="kbdnecAT.dll"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Terminal Server\KeyboardType
Mapping\KOR]
"00000003"="kbd101a.dll"
"00000004"="kbd101b.dll"
"00000005"="kbd101c.dll"
"00000006"="kbd103.dll"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Terminal Server\Utilities]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Terminal
Server\Utilities\change]
```

```

"logon"=hex(7):30,00,31,00,4c,4f,47,4f,4e,00,63,68,67,6c,6f,67,6f,6e,2e,65,78,\
65,00,00
"port"=hex(7):30,00,31,00,50,4f,52,54,00,63,68,67,70,6f,72,74,2e,65,78,65,00,\
00
"user"=hex(7):30,00,31,00,55,53,45,52,00,63,68,67,75,73,72,2e,65,78,65,00,00
"winsta"=hex(7):31,00,31,00,57,49,4e,53,54,41,00,63,68,67,6c,6f,67,6f,6e,2e,65,\
78,65,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Terminal
Server\Utilities\query]
"appserver"=hex(7):30,00,32,00,54,45,52,4d,53,45,52,56,45,52,00,71,61,70,70,73,\
72,76,2e,65,78,65,00,00
"process"=hex(7):30,00,31,00,50,52,4f,43,45,53,53,00,71,70,72,6f,63,65,73,73,\
2e,65,78,65,00,00
"session"=hex(7):30,00,31,00,53,45,53,49,4f,4e,00,71,77,69,6e,73,74,61,2e,\
65,78,65,00,00
"user"=hex(7):30,00,31,00,55,53,45,52,00,71,75,73,65,72,2e,65,78,65,00,00
"winsta"=hex(7):31,00,31,00,57,49,4e,53,54,41,00,71,77,69,6e,73,74,61,2e,65,78,\
65,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Terminal
Server\Utilities\reset]
"session"=hex(7):30,00,31,00,53,45,53,49,4f,4e,00,72,77,69,6e,73,74,61,2e,\
65,78,65,00,00
"winsta"=hex(7):31,00,31,00,57,49,4e,53,54,41,00,72,77,69,6e,73,74,61,2e,65,78,\
65,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Terminal Server\VIDEO]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Terminal Server\VIDEO\rdpdd]
"VgaCompatible"="\Device\Video0"
"\Device\Video0"="\REGISTRY\Machine\System\ControlSet001\Services\RDPDD\Dev
ice0"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Terminal Server\Wds]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Terminal Server\Wds\rdpwws]
"BaudRate"=dword:0000e100
"ByteSize"=dword:00000008
"CfgDll"="RDPFCGEX.DLL"
"ConnectType"=dword:00000001
"DeviceName"=""
"FlowHardwareRx"=dword:00000001
"FlowHardwareTx"=dword:00000001
"FlowType"=dword:00000001
"InputBufferLength"=dword:00000800
"MinEncryptionLevel"=dword:00000002
"Parity"=dword:00000000
"StopBits"=dword:00000000
"WdDL"="rdpwws"
"WdPrefix"="RDP"
"WsxDLL"="rdpwwsx"
"XoffChar"=dword:00000013
"XonChar"=dword:00000011
"fAutoClientDrives"=dword:00000000
"fAutoClientLpts"=dword:00000001
"fDisableCam"=dword:00000001
"fDisableCcm"=dword:00000001
"fDisableCdm"=dword:00000001
"fDisableEncryption"=dword:00000001
"fEnableBreakDisconnect"=dword:00000000
"fEnableDTR"=dword:00000001
"fEnableDsrSensitivity"=dword:00000000

```

```

"fEnableRTS"=dword:00000001
"fFlowSoftwareRx"=dword:00000001
"fFlowSoftwareTx"=dword:00000001
"fForceClientLptDef"=dword:00000001
"StartupPrograms"="rdpclip"
"WdFlag"=dword:00000036
"WdName"="Microsoft RDP 5.0"
"fDisableClip"=dword:00000000
"fDisableCpm"=dword:00000000
"fDisableLPT"=dword:00000000
"fInheritAutoClient"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Terminal Server\Wds\rdpwws\Tds]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Terminal
Server\Wds\rdpwws\Tds\tcp]
"OutBufCount"=dword:00000006
"OutBufDelay"=dword:00000064
"OutBufLength"=dword:00000212
"PdClass"=dword:00000002
"PdDL"="tdtcp"
"PdFlag"=dword:0000004e
"PdName"="tcp"
"PortNumber"=dword:00000d3d
"ServiceName"="tcpip"
"InteractiveDelay"=dword:0000000a

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Terminal Server\WinStations]
"Anonymous"=hex:01,00,04,80,a0,00,00,00,ac,00,00,00,00,00,00,00,00,00,00,02,\
00,8c,00,05,00,00,00,00,18,00,ff,03,0f,00,01,01,00,00,00,00,00,05,12,00,\
00,00,74,00,6c,00,00,00,1c,00,ff,03,0f,00,01,02,00,00,00,00,00,05,20,00,\
00,20,02,00,00,00,65,78,00,00,1c,00,a1,01,00,00,01,02,00,00,00,00,00,05,\
20,00,00,00,21,02,00,00,00,00,65,78,00,00,1c,00,20,00,00,00,01,02,00,00,\
00,00,05,20,00,00,00,22,02,00,00,00,65,78,00,00,18,00,20,00,00,00,01,01,\
00,00,00,00,01,00,00,00,22,02,00,00,01,01,00,00,00,00,00,05,12,00,00,\
00,01,01,00,00,00,00,05,12,00,00,00

"AppServer"=hex:01,00,04,81,60,00,00,00,6c,00,00,00,00,00,00,00,14,00,00,00,02,\
00,4c,00,03,00,00,00,00,14,00,ff,03,0f,00,01,01,00,00,00,00,00,05,12,00,\
00,00,00,18,00,ff,03,0f,00,01,02,00,00,00,00,00,05,20,00,00,00,20,02,00,\
00,00,18,00,a1,01,00,00,01,02,00,00,00,00,05,20,00,00,00,21,02,00,00,\
01,01,00,00,00,00,05,12,00,00,00,01,01,00,00,00,00,05,12,00,00,00

"RemoteAdmin"=hex:01,00,04,80,50,00,00,00,5c,00,00,00,00,00,00,14,00,00,00,\
02,00,3c,00,02,00,00,00,00,18,00,ff,03,0f,00,01,01,00,00,00,00,00,05,12,\
00,00,00,00,00,00,00,00,1c,00,ff,03,0f,00,01,02,00,00,00,00,00,05,20,00,\
00,00,20,02,00,00,00,00,00,00,01,01,00,00,00,00,05,12,00,00,00,01,01,00,\
00,00,00,00,05,12,00,00,00

"DefaultSecurity"=hex:01,00,04,80,50,00,00,00,5c,00,00,00,00,00,14,00,00,\
00,02,00,3c,00,02,00,00,00,00,18,00,ff,03,0f,00,01,01,00,00,00,00,00,05,\
12,00,00,00,00,00,00,00,1c,00,ff,03,0f,00,01,02,00,00,00,00,00,05,20,\
00,00,00,20,02,00,00,00,00,00,01,01,00,00,00,00,05,12,00,00,00,01,01,\
00,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Terminal
Server\WinStations\Console]
"Callback"=dword:00000000
"CallbackNumber"=""
"Comment"="System Console"
"Domain"=""
"InitialProgram"=""
"InputBufferLength"=dword:00000000
"KeyboardLayout"=dword:00000000
"KeyboardName"="\REGISTRY\Machine\System\CurrentControlSet\Services\Kbdclass"
"MaxConnectionTime"=dword:00000000

```

```

"MaxDisconnectionTime"=dword:00000000
"MaxIdleTime"=dword:00000000
"MouseName"="\\REGISTRY\Machine\System\CurrentControlSet\Services\Mouclass"
"OutBufCount"=dword:00000000
"OutBufDelay"=dword:00000000
"OutBufLength"=dword:00000000
>Password=""
"PdClass"=dword:00000001
"PdDll"=""
"PdFlag"=dword:0000001e
"PdName"="console"
"Shadow"=dword:00000000
"UserName"=""
"WdDll"="wdcon"
"WdFlag"=dword:00000000
"WdName"="Console"
"WorkDirectory"=""
fEnableWinStation"=dword:00000001
fInheritAutoLogon"=dword:00000000
fInheritCallback"=dword:00000000
fInheritCallbackNumber"=dword:00000000
fInheritInitialProgram"=dword:00000000
fInheritMaxDisconnectionTime"=dword:00000000
fInheritMaxIdleTime"=dword:00000000
fInheritMaxSessionTime"=dword:00000000
fInheritReconnectSame"=dword:00000000
fInheritResetBroken"=dword:00000000
fInheritShadow"=dword:00000000
fLogonDisabled"=dword:00000000
fPromptForPassword"=dword:00000001
fReconnectSame"=dword:00000000
fResetBroken"=dword:00000000
fUseDefaultGina"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Terminal
Server\WinStations\RDP-Tcp]
"CfgDll"="RDPCFGEX.DLL"
fEnableWinStation"=dword:00000001
"MaxInstanceCount"=dword:ffffffff
"PdName"="tcp"
"PdClass"=dword:00000002
"PdDll"="tdtcp"
"PdFlag"=dword:0000004e
"OutBufLength"=dword:00000212
"OutBufCount"=dword:00000006
"OutBufDelay"=dword:00000064
"InteractiveDelay"=dword:00000032
"PortNumber"=dword:00000d3d
"KeepAliveTimeout"=dword:00000000
"LanAdapter"=dword:00000000
"WdName"="Microsoft RDP 5.0"
"WdDll"="rdpwd"
"WsxDll"="rdpwsx"
"WdFlag"=dword:00000036
"InputBufferLength"=dword:00000800
"CdClass"=dword:00000000
"CdName"=""
"CdDll"=""
"CdFlag"=dword:00000000
"Comment"=""
fInheritAutoLogon"=dword:00000001
fInheritResetBroken"=dword:00000001
fInheritReconnectSame"=dword:00000001

```

```

fInheritInitialProgram"=dword:00000001
fInheritCallback"=dword:00000000
fInheritCallbackNumber"=dword:00000001
fInheritShadow"=dword:00000000
fInheritMaxSessionTime"=dword:00000001
fInheritMaxDisconnectionTime"=dword:00000001
fInheritMaxIdleTime"=dword:00000001
fInheritAutoClient"=dword:00000001
fInheritSecurity"=dword:00000000
fPromptForPassword"=dword:00000000
fResetBroken"=dword:00000000
fReconnectSame"=dword:00000000
fLogonDisabled"=dword:00000000
fAutoClientDrives"=dword:00000000
fAutoClientLpts"=dword:00000001
fForceClientLptDef"=dword:00000001
fDisableEncryption"=dword:00000001
fHomeDirectoryMapRoot"=dword:00000000
fUseDefaultGina"=dword:00000000
fDisableCpm"=dword:00000000
fDisableCdm"=dword:00000001
fDisableCcm"=dword:00000001
fDisableLPT"=dword:00000000
fDisableClip"=dword:00000000
fDisableExe"=dword:00000000
fDisableCam"=dword:00000001
"Username"=""
"Domain"=""
>Password=""
"WorkDirectory"=""
"InitialProgram"=""
"CallbackNumber"=""
"Callback"=dword:00000000
"Shadow"=dword:00000002
"MaxConnectionTime"=dword:00000000
"MaxDisconnectionTime"=dword:00000000
"MaxIdleTime"=dword:00000000
"KeyboardLayout"=dword:00000000
"MinEncryptionLevel"=dword:00000001
"NWLogonServer"=""
"WFProfilePath"=""
"WdPrefix"="RDP"
"TraceEnable"=dword:00000000
"TraceDebugger"=dword:00000000
"TraceClass"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\TimeZoneInformation]
"Bias"=dword:00000168
"StandardName"="Central Standard Time"
"StandardBias"=dword:00000000
"StandardStart"=hex:00,00,0a,00,05,00,02,00,00,00,00,00,00,00,00,00
"DaylightName"="Central Daylight Time"
"DaylightBias"=dword:ffffffc4
"DaylightStart"=hex:00,00,04,00,01,00,02,00,00,00,00,00,00,00,00,00
"ActiveTimeBias"=dword:00000168

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Update]
"UpdateMode"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\UsbFlags]
"IgnoreHwSerNum04710302"=hex:01
"GlobalDisableSerNumGen"=hex:01

```



```

00,58,81,fb,77,98,0e,f9,77,ff,ff,ff,ff,a8,fa,06,00,9f,99,fc,77,48,07,07,00,\
b0,46,07,00,e8,fa,06,00,40,fb,06,00,00,00,00,00,00,78,01,07,00,c8,63,07,00,78,\
01,07,00,c0,63,07,00,20,fa,06,00,b0,ff,06,00,b0,ff,06,00,57,1a,db,77,38,cc,\
db,77,ff,ff,ff,ff,00,00,07,00,81,00,00,00,01,27,07,00,24,0b,f9,77,c8,46,07,\
00,01,00,00,00,18,00,00,00,f0,f9,06,00,00,00,00,00,00,00,00,00,07,00,\
04,00,00,00,00,ff,ff,ff,c8,fa,06,00,0a,f8,e9,77,01,00,07,00,00,00,00,00,18,\
fa,06,00,b0,ff,06,00,b0,ff,06,00,58,81,fb,77,a8,66,f8,77,ff,ff,ff,ff,bc,fa,\
06,00,7c,21,f9,77,00,00,07,00,00,00,00,00,b0,46,07,00,10,fb,06,00,d1,59,f8,\
77,b0,46,07,00,be,59,f8,77,b6,02,dd,77,e8,fa,06,00,61,29,01,78,28,24,23,00,\
00,00,00,00,18,b2,03,78,61,29,01,78,b2,24,23,00,00,fb,06,00,9d,29,01,78,b2,\
24,23,00,f8,15,00,01,54,ff,06,00,70,ff,06,00,6e,29,01,78,b2,24,23,00,f8,15,\
00,01
"ba10cc88-f13e-11d2-belb-00a0c99ee63b"=hex:01,00,04,80,14,00,00,00,24,00,00,00,\
00,00,00,00,34,00,00,00,01,02,00,00,00,00,00,05,20,00,00,00,20,02,00,00,01,\
02,00,00,00,00,05,20,00,00,00,20,02,00,00,02,00,00,02,03,00,00,00,00,00,\
14,00,ff,07,02,00,01,01,00,00,00,00,05,12,00,00,00,00,00,18,00,ff,07,02,\
00,01,02,00,00,00,00,05,20,00,00,00,20,02,00,00,00,14,00,05,00,02,00,\
01,01,00,00,00,00,01,00,00,00,00,00,00,00,00,35,1d,f9,77,b0,f5,06,00,01,\
00,00,00,00,00,07,00,fc,b5,d5,77,d0,4d,44,77,ff,ff,ff,ff,00,fa,06,00,0f,\
dc,77,03,00,00,00,0a,bd,db,77,90,f9,06,00,9f,0e,dc,77,00,07,00,03,00,00,\
00,00,00,07,00,05,00,00,00,00,27,07,00,01,00,00,00,00,00,00,34,f9,06,00,\
b0,ff,06,00,fc,f9,06,00,58,81,fb,77,a8,66,f8,77,ff,ff,ff,ff,0c,fa,06,00,0a,\
f8,e9,77,00,00,07,00,c8,46,07,00,00,00,00,08,fa,06,00,00,00,00,00,7f,0e,\
f9,77,00,00,07,00,a8,46,07,00,00,00,00,00,e4,f9,06,00,88,06,07,00,98,fa,0e,\
00,58,81,fb,77,98,0e,f9,77,ff,ff,ff,ff,a8,fa,06,00,9f,99,fc,77,48,07,07,00,\
b0,46,07,00,e8,fa,06,00,40,fb,06,00,00,00,78,01,07,00,c8,63,07,00,78,\
01,07,00,c0,63,07,00,20,fa,06,00,b0,ff,06,00,b0,ff,06,00,57,1a,db,77,38,cc,\
db,77,ff,ff,ff,ff,00,00,07,00,81,00,00,00,01,27,07,00,24,0b,f9,77,c8,46,07,\
00,01,00,00,00,18,00,00,00,f0,f9,06,00,00,00,00,00,b8,fa,06,00,00,00,07,00,\
04,00,00,00,00,ff,ff,ff,c8,fa,06,00,0a,f8,e9,77,01,00,07,00,00,00,00,00,18,\
fa,06,00,b0,ff,06,00,b0,ff,06,00,58,81,fb,77,a8,66,f8,77,ff,ff,ff,ff,bc,fa,\
06,00,7c,21,f9,77,00,00,07,00,00,00,00,00,b0,46,07,00,10,fb,06,00,d1,59,f8,\
77,b0,46,07,00,be,59,f8,77,b6,02,dd,77,e8,fa,06,00,61,29,01,78,28,24,23,00,\
00,00,00,00,18,b2,03,78,61,29,01,78,b2,24,23,00,00,fb,06,00,9d,29,01,78,b2,\
24,23,00,f8,15,00,01,54,ff,06,00,70,ff,06,00,6e,29,01,78,b2,24,23,00,f8,15,\
00,01

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\WOW]
"cmdline"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,73,79,73,74,65,6d,33,\
32,5c,6e,74,76,64,6d,2e,65,78,65,00
"DefaultSeparateVDM"="no"
"KnownDLLs"="comm.drv cmdldlg.dll ctl3dv2.dll ddeimpl.dll keyboard.driv lanman.driv
mmsystem.dll mouse.driv netapi.dll olecli.dll olesvr.dll pmspl.dll shell.dll
sound.driv system.driv toolhelp.dll vga.driv wfnwet.driv win87em.dll winldap.mod
winsock.dll winspool.exe wowdeb.exe timer.driv rasapi16.dll compobj.dll storage.dll
ole2.dll ole2disp.dll ole2nls.dll typelib.dll msvideo.dll avifile.dll msacm.dll
mciavi.driv mciaseq.driv mciwave.driv progman.exe avicap.dll mapi.dll"
"LPT_timeout"="15"
"SharedWowTimeout"=dword:00000e10
"size"="0"
"wowcmdline"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,73,79,73,74,65,6d,\
33,32,5c,6e,74,76,64,6d,2e,65,78,65,20,2d,61,20,25,53,79,73,74,65,6d,52,6f,\
6f,74,25,5c,73,79,73,74,65,6d,33,32,5c,6b,72,6e,6c,33,38,36,00
"wowsize"="16"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\hivelist]
"\REGISTRY\MACHINE\HARDWARE"=""
"\REGISTRY\MACHINE\SECURITY"="\Device\HarddiskVolume16\WINNT\system32\config
\SECURITY"
"\REGISTRY\MACHINE\SOFTWARE"="\Device\HarddiskVolume16\WINNT\system32\config
\software"
"\REGISTRY\MACHINE\SYSTEM"="\Device\HarddiskVolume16\WINNT\system32\config\
system"

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"\REGISTRY\USER\DEFAULT"="\Device\HarddiskVolume16\WINNT\system32\config\ld
efault"
"\REGISTRY\MACHINE\SAM"="\Device\HarddiskVolume16\WINNT\system32\config\SAM
"
"\REGISTRY\USER\S-1-5-21-1409082233-1284227242-842925246-
500"="\Device\HarddiskVolume16\Documents and
Settings\Administrator.JUN\NTUSER.DAT"
"\REGISTRY\USER\S-1-5-21-1409082233-1284227242-842925246-
500_Classes"="\Device\HarddiskVolume16\Documents and
Settings\Administrator.JUN\Local Settings\Application
Data\Microsoft\Windows\UsrClass.dat"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\ServiceCurrent]
@=dword:00000011

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum]
"NextParentID.daba3ff.2"=dword:00000001
"NextParentID.267a16a.3"=dword:00000001
"NextParentID.13c0b0c5.3"=dword:00000001
"NextParentID.1070020.3"=dword:00000001
"NextParentID.3d912c8.4"=dword:00000001
"NextParentID.156fc437.4"=dword:00000001
"NextParentID.7a6d3a4.4"=dword:00000001
"NextParentID.3b049a2c.5"=dword:00000001
"NextParentID.255531f1.6"=dword:00000001
"NextParentID.233b1041.5"=dword:00000001
"NextParentID.34634222.4"=dword:00000002
"NextParentID.355e271f.4"=dword:00000002
"NextParentID.24d49402.4"=dword:00000002
"NextParentID.58cac9a.4"=dword:00000001
"NextParentID.15ba4085.4"=dword:00000002
"NextParentID.34c34336.4"=dword:00000002
"NextParentID.30a96598.1"=dword:00000001
"NextParentID.9bc49c2.4"=dword:00000001
"NextParentID.17622f0d.4"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\ACPI]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\ACPI\FixedButton]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\ACPI\FixedButton\2\daba3ff&0]
"Capabilities"=dword:00000060
"ConfigFlags"=dword:00000000
"HardwareID"=hex(7):41,43,50,49,5c,46,69,78,65,64,42,75,74,74,6f,6e,00,2a,46,\
69,78,65,64,42,75,74,74,6f,6e,00,00
"ClassGUID"="{4D36E97D-E325-11CE-BFCl-08002BE10318}"
"Class"="System"
"Driver"="{4D36E97D-E325-11CE-BFCl-08002BE10318}\0000"
"Mfg"="(Standard system devices)"
"DeviceDesc"="ACPI Fixed Feature Button"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\ACPI\FixedButton\2\daba3ff&0\LogCo
nf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\ACPI\FixedButton\2\daba3ff&0\Contr
ol]
"DeviceReference"=dword:fd6e3cf0

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\ACPI\PNP0000]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\ACPI\PNP0000\4&3d912c8&0]
"Capabilities"=dword:00000020
"HardwareID"=hex(7):41,43,50,49,5c,50,4e,50,30,30,30,00,2a,50,4e,50,30,30,\

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00,02,01,01,00,0e,00,00,00,0e,00,00,00,ff,ff,ff,ff,01,01,11,00,f0,01,00,00,\
00,00,00,00,08,00,00,00,01,01,11,00,f6,03,00,00,00,00,00,01,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\ACPI\PNP0600\4&3d912c8&0\Control]
"DeviceReference"=dword:fd6cfd10
"ActiveService"="atapi"
"FilteredConfigVector"=hex(a):c8,00,00,00,0f,00,00,00,00,00,00,00,00,00,00,00,\
30,00,00,00,01,02,00,00,00,00,00,05,01,00,00,00,01,00,01,00,04,00,00,00,01,\
80,03,00,00,00,00,00,01,00,00,00,05,00,00,00,00,02,18,00,19,00,02,00,01,02,\
00,00,00,00,00,05,01,02,01,80,01,00,00,00,0e,00,00,00,0e,00,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,01,01,01,80,11,00,00,00,08,00,00,00,\
01,00,00,00,f0,01,00,00,00,00,00,f7,01,00,00,00,00,00,01,01,01,80,11,\
00,00,00,01,00,00,01,00,00,00,f6,03,00,00,00,00,00,00,f6,03,00,00,00,00,\
00,00,20,02,00,00,0a,14,00,3f,00,0f,00,01,01,00,00,00,00,00,03,00,00,00,\
00,38,00,62,00,7d,00,00,00
"AllocConfig"=hex(8):01,00,00,00,0f,00,00,00,00,00,00,00,00,00,00,03,00,00,\
00,02,01,01,00,0e,00,00,00,00,0e,00,00,00,ff,ff,ff,ff,01,01,11,00,f0,01,00,00,\
00,00,00,00,08,00,00,00,01,01,11,00,f6,03,00,00,00,00,00,01,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\ACPI\PNP0700]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\ACPI\PNP0700\5&3b049a2c&0]
"Capabilities"=dword:00000020
"HardwareID"=hex(7):41,43,50,49,5c,50,4e,50,30,37,30,30,00,2a,50,4e,50,30,37,\
30,30,00,00
"Service"="fdc"
"ConfigFlags"=dword:00000000
"ParentIdPrefix"="6&255531f1&0"
"ClassGUID"="{4D36E969-E325-11CE-BFC1-08002BE10318}"
"Class"="fdc"
"Driver"="{4D36E969-E325-11CE-BFC1-08002BE10318}\\0000"
"Mfg"="(Standard floppy disk controllers)"
"DeviceDesc"="Standard floppy disk controller"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\ACPI\PNP0700\5&3b049a2c&0\Device
Parameters]
"FirmwareIdentified"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\ACPI\PNP0700\5&3b049a2c&0\LogConf]
"BasicConfigVector"=hex(a):a8,00,00,00,0f,00,00,00,00,00,00,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00,01,00,00,00,01,00,01,00,04,00,00,00,00,02,\
01,00,01,00,00,00,06,00,00,00,06,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00,00,00,00,00,00,04,01,00,00,00,00,02,00,00,00,02,00,00,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,01,01,00,11,00,00,00,06,00,00,00,00,\
00,00,00,f0,03,00,00,00,00,00,00,f5,03,00,00,00,00,00,00,01,01,00,11,00,\
00,00,01,00,00,00,01,00,00,00,f7,03,00,00,00,00,00,00,f7,03,00,00,00,00,\
00
"BootConfig"=hex(8):01,00,00,00,0f,00,00,00,00,00,00,00,01,00,01,00,04,00,00,\
00,02,01,01,00,06,00,00,00,00,06,00,00,ff,ff,ff,ff,04,01,00,00,02,00,00,00,\
00,00,00,00,00,00,00,01,01,11,00,f0,03,00,00,00,00,00,00,00,06,00,00,00,01,\
01,11,00,f7,03,00,00,00,00,00,00,01,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\ACPI\PNP0700\5&3b049a2c&0\Control]
"DeviceReference"=dword:fd6ce7b0
"ActiveService"="Fdc"
"FilteredConfigVector"=hex(a):c8,00,00,00,0f,00,00,00,00,00,00,00,00,00,00,00,\
01,00,00,00,01,00,00,00,44,65,76,69,01,00,00,00,01,00,01,00,05,00,00,00,01,\
80,03,00,00,00,00,01,00,00,00,45,00,5c,00,56,00,6f,00,6c,00,75,00,6d,00,\
65,00,5c,00,31,00,01,02,01,80,01,00,00,00,00,06,00,00,00,06,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,01,04,01,80,00,00,00,00,00,02,00,00,\
02,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,01,01,01,80,11,\
00,00,00,06,00,00,00,01,00,00,00,f0,03,00,00,00,00,00,00,f5,03,00,00,00,\
00,00,01,01,01,80,11,00,00,00,01,00,00,00,01,00,00,00,f7,03,00,00,00,00,00,\
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00,f7,03,00,00,00,00,00,00
"AllocConfig"=hex(8):01,00,00,00,0f,00,00,00,00,00,00,00,00,00,00,00,04,00,00,\
00,02,01,01,00,06,00,00,00,06,00,00,00,ff,ff,ff,ff,04,01,00,00,02,00,00,00,\
00,00,00,00,00,00,00,00,01,01,11,00,f0,03,00,00,00,00,00,00,06,00,00,00,01,\
01,11,00,f7,03,00,00,00,00,00,00,01,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\ACPI\PNP0800]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\ACPI\PNP0800\4&3d912c8&0]
"Capabilities"=dword:00000020
"HardwareID"=hex(7):41,43,50,49,5c,50,4e,50,30,38,30,30,00,2a,50,4e,50,30,38,\
30,30,00,00
"ClassGUID"="{4D36E97D-E325-11CE-BFC1-08002BE10318}"
"Class"="System"
"Driver"="{4D36E97D-E325-11CE-BFC1-08002BE10318}\\0006"
"Mfg"="(Standard system devices)"
"DeviceDesc"="System speaker"
"ConfigFlags"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\ACPI\PNP0800\4&3d912c8&0\Device
Parameters]
"FirmwareIdentified"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\ACPI\PNP0800\4&3d912c8&0\LogConf]
"BasicConfigVector"=hex(a):48,00,00,00,0f,00,00,00,00,00,00,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,01,00,00,00,01,00,00,00,01,00,00,00,00,01,\
01,00,11,00,00,00,01,00,00,00,01,00,00,00,61,00,00,00,00,00,00,00,61,00,00,\
00,00,00,00,00
"BootConfig"=hex(8):01,00,00,00,0f,00,00,00,00,00,00,00,01,00,01,00,01,00,00,\
00,01,01,11,00,61,00,00,00,00,00,00,00,01,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\ACPI\PNP0800\4&3d912c8&0\Control]
"DeviceReference"=dword:fd6cfd10

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\ACPI\PNP0A03]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\ACPI\PNP0A03\0]
"Capabilities"=dword:00000030
"HardwareID"=hex(7):41,43,50,49,5c,50,4e,50,30,41,30,33,00,2a,50,4e,50,30,41,\
30,33,00,00
"Service"="pci"
"ConfigFlags"=dword:00000000
"ParentIdPrefix"="3&267a616a&0"
"ClassGUID"="{4D36E97D-E325-11CE-BFC1-08002BE10318}"
"Class"="System"
"Driver"="{4D36E97D-E325-11CE-BFC1-08002BE10318}\\0007"
"Mfg"="(Standard system devices)"
"DeviceDesc"="PCI bus"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\ACPI\PNP0A03\0\Device Parameters]
"FirmwareIdentified"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\ACPI\PNP0A03\0\Device
Parameters\BiosConfig]
"DEV_01&FUN_00"=hex:11,10,46,00,57,01,90,02,01,00,04,01,08,40,00,00,00,00,bf,\
e7,01,20,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
11,0e,50,40,00,00,00,00,dc,00,00,00,00,00,00,00,17,01,00,00
"DEV_02&FUN_00"=hex:11,10,46,00,57,01,90,02,01,00,04,01,08,40,00,00,00,00,be,\
e7,01,24,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
11,0e,50,40,00,00,00,00,dc,00,00,00,00,00,00,00,16,01,00,00
"DEV_03&FUN_00"=hex:11,10,46,00,57,01,90,02,01,00,04,01,08,40,00,00,00,00,bd,\
e7,01,28,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
11,0e,50,40,00,00,00,00,dc,00,00,00,00,00,00,00,15,01,00,00
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"DEV_0b&FUND_00"=hex:11,0e,f7,a0,42,01,20,04,11,00,04,08,00,00,00,00,00,00,bc,\
e7,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
11,0e,f8,a2,00,00,00,00,00,00,00,00,00,00,00,00,00,0f,01,00,00
"DEV_0c&FUND_00"=hex:11,0e,f0,a0,43,01,00,02,00,00,80,08,00,00,00,00,01,18,00,\
00,00,00,bb,e7,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
11,0e,f3,b0,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,ff,01,00,00
"DEV_0d&FUND_00"=hex:02,10,56,47,87,00,90,02,7a,00,00,03,08,40,00,00,08,00,00,\
e3,01,2c,00,00,00,00,ba,e7,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
02,10,56,47,00,00,00,00,5c,00,00,00,00,00,00,00,ff,00,08,00
"DEV_0e&FUND_00"=hex:00,10,10,00,57,01,10,02,01,00,04,01,08,c0,00,00,01,30,00,\
00,00,00,00,e6,00,00,00,e5,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
11,0e,40,40,00,00,00,00,40,00,00,00,00,00,00,00,18,01,1e,08
"DEV_0f&FUND_00"=hex:66,11,00,02,07,00,00,02,4d,00,01,06,00,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
66,11,00,02,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
"DEV_14&FUND_00"=hex:8c,11,17,11,00,00,00,05,00,00,05,00,00,80,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
"DEV_14&FUND_01"=hex:8c,11,17,11,00,00,00,05,00,00,05,00,00,80,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
"DEV_19&FUND_00"=hex:11,0e,10,60,47,01,20,24,01,00,00,06,08,20,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
"DEV_1a&FUND_00"=hex:11,0e,10,60,47,01,20,24,01,00,00,06,08,20,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
"DEV_1b&FUND_00"=hex:11,0e,10,60,47,01,20,24,01,00,00,06,08,20,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\ACPI\PNP0A03\0\LogConf]
"BasicConfigVector"=hex(a):e8,02,00,00,0f,00,00,00,00,00,00,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,01,00,00,00,01,00,01,00,16,00,00,00,00,06,\
01,00,00,00,00,00,05,00,00,00,00,00,00,04,00,00,00,00,00,00,00,00,00,00,\
00,00,00,00,00,00,81,01,00,00,00,00,00,05,00,00,00,00,00,00,00,04,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,01,03,00,20,00,00,00,00,00,40,00,00,01,\
00,00,00,00,00,00,00,00,00,00,00,ff,3f,00,00,00,00,00,00,81,03,00,20,00,\
00,00,00,40,00,00,01,00,00,00,00,00,00,00,00,ff,3f,00,00,00,00,00,00,\
00,00,81,00,00,00,60,00,00,01,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00,00,00,00,00,00,81,00,00,00,60,00,00,01,00,00,00,00,00,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,01,03,00,00,00,60,\
00,00,01,00,00,00,00,a0,00,00,00,ff,ff,00,00,00,00,00,00,81,03,\
00,20,00,00,00,00,60,00,00,01,00,00,00,a0,00,00,00,ff,ff,00,00,\
00,00,00,00,00,81,00,00,00,60,00,00,01,00,00,00,a0,00,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,81,00,00,00,60,00,00,01,00,00,00,a0,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,03,03,00,00,00,00,\
00,00,00,02,00,01,00,00,00,00,0a,00,00,00,ff,ff,0b,00,00,00,00,\
00,81,03,00,00,00,00,00,00,02,00,01,00,00,00,0a,00,00,00,00,ff,\
ff,0b,00,00,00,00,00,81,00,00,00,60,00,00,03,00,00,00,00,00,e0,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,81,00,00,00,60,00,00,03,00,00,\
00,00,00,00,e0,00,00,00,00,00,00,00,00,00,00,00,00,03,03,00,00,\
00,00,00,00,00,c0,07,01,00,00,00,00,00,e0,00,00,00,ff,ff,bf,e7,00,\
00,00,00,81,03,00,00,00,00,00,00,c0,07,01,00,00,00,00,00,e0,00,\
00,00,ff,ff,bf,e7,00,00,00,00,81,00,00,00,60,00,00,03,00,00,00,c0,\
fe,00,00,00,00,00,00,00,00,00,00,00,00,81,00,00,00,60,00,00,\
03,00,00,00,00,c0,fe,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
03,03,00,00,00,00,00,40,01,01,00,00,00,00,c0,fe,00,00,00,ff,ff,\
ff,ff,00,00,00,00,81,03,00,00,00,00,00,00,40,01,01,00,00,00,c0,\
fe,00,00,00,ff,ff,ff,ff,00,00,00,00,81,00,00,00,60,00,00,03,00,00,\
00,00,0a,00,00,00,00,00,00,00,00,00,00,00,00,00,00,81,00,00,00,\
60,00,00,03,00,00,00,00,0a,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00,00

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"BootConfig"=hex(8):01,00,00,00,0f,00,00,00,00,00,00,00,01,00,01,00,16,00,00,\
00,06,01,00,00,00,00,00,05,00,00,00,00,00,00,81,01,00,00,05,00,00,00,\
00,00,00,00,04,00,00,00,01,03,20,00,00,00,00,00,00,00,40,00,00,00,81,\
03,20,00,00,40,00,00,01,00,00,00,00,00,00,00,81,00,00,60,01,00,00,00,\
00,00,00,00,00,81,00,00,60,01,00,00,00,00,00,00,00,00,00,01,03,20,\
00,00,a0,00,00,00,00,00,00,00,60,00,00,81,03,20,00,00,60,00,00,01,00,00,\
00,a0,00,00,81,00,00,60,01,00,00,00,a0,00,00,00,00,00,81,00,00,60,01,\
00,00,00,00,a0,00,00,00,00,00,03,03,00,00,00,0a,00,00,00,00,00,00,\
02,00,81,03,00,00,00,02,00,01,00,00,00,00,0a,00,81,00,00,60,03,00,00,\
00,00,00,00,e0,00,00,00,00,81,00,00,60,03,00,00,00,00,00,e0,00,00,00,\
03,03,00,00,00,00,e0,00,00,00,00,c0,07,81,03,00,00,00,c0,07,01,\
00,00,00,00,00,e0,81,00,00,60,03,00,00,00,c0,fe,00,00,00,81,00,\
00,60,03,00,00,00,00,c0,fe,00,00,00,03,03,00,00,c0,fe,00,00,00,\
00,00,00,40,01,81,03,00,00,00,40,01,01,00,00,00,c0,fe,81,00,00,60,\
03,00,00,00,00,0a,00,00,00,81,00,00,60,03,00,00,00,0a,00,00,\
00,00,00
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\ACPI\PNP0A03\0\Control]
"DeviceReference"=dword:fd676250
"ActiveService"="PCI"
"FilteredConfigVector"=hex(a):d0,05,00,00,0f,00,00,00,00,00,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,02,00,00,00,01,00,01,00,17,00,00,01,\
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00,00,00,00,00,00,00,00,00,00,00,00,81,01,00,00,00,00,05,00,00,00,\
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00,ff,3f,00,00,00,00,00,00,81,00,00,60,00,00,01,00,00,00,00,00,00,\
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00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,01,01,\
03,80,20,00,00,00,60,00,00,01,00,00,00,00,a0,00,00,00,00,ff,ff,\
00,00,00,00,81,03,00,20,00,00,00,60,00,00,00,01,00,00,00,a0,00,00,\
00,00,00,ff,ff,00,00,00,00,00,81,00,00,60,00,00,01,00,00,00,\
a0,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,81,00,00,60,\
00,01,00,00,00,a0,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00,01,03,03,80,00,00,00,02,00,01,00,00,00,00,0a,00,00,00,00,\
ff,ff,0b,00,00,00,00,00,81,03,00,00,00,00,02,00,01,00,00,00,\
00,0a,00,00,00,ff,ff,0b,00,00,00,00,81,00,00,60,00,00,03,00,\
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00,00,ff,ff,bf,e7,00,00,00,00,81,03,00,00,00,00,c0,07,01,00,\
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00,81,00,00,60,00,03,00,00,00,c0,fe,00,00,00,00,00,00,00,00,00,\
00,00,00,00,00,00,01,03,03,80,00,00,00,00,00,40,01,01,00,00,00,\
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00,81,01,00,00,00,00,05,00,00,00,00,00,00,04,00,00,00,00,00,\
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00,00,00,00,ff,3f,00,00,00,00,00,00,81,03,00,20,00,00,00,40,\
00,01,00,00,00,00,00,00,00,00,00,ff,3f,00,00,00,00,00,81,00,\
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00,00,00,81,00,00,60,00,00,01,00,00,00,00,00,00,00,00,00,00,\
00,00,00,00,00,00,00,00,01,03,00,20,00,00,00,00,60,00,00,01,00,\
00,00,a0,00,00,00,00,00,ff,ff,00,00,00,00,81,03,00,20,00,00,\
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00,00,00,00,c0,e7,00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\ACPI\PNP0A03\2]
"Capabilities"=dword:00000030
"HardwareID"=hex(7):41,43,50,49,5c,50,4e,50,30,41,30,33,00,2a,50,4e,50,30,41,\
30,33,00,00
"Service"="pci"
"ConfigFlags"=dword:00000000
"ParentIdPrefix"="3&1070020&0"
"ClassGUID"="{4D36E97D-E325-11CE-BFC1-08002BE10318}"
"Class"="System"
"Driver"="{4D36E97D-E325-11CE-BFC1-08002BE10318}\\0009"
"Mfg"="(Standard system devices)"
"DeviceDesc"="PCI bus"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\ACPI\PNP0A03\2\Device Parameters]
"FirmwareIdentified"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\ACPI\PNP0A03\2\Device
Parameters\BiosConfig]
"DEV_01&FUN_00"=hex:e4,10,05,00,56,01,10,02,00,00,80,02,08,40,00,00,00,df,\
f7,00,00,de,f7,08,00,00,f4,00,00,00,00,00,00,00,00,00,00,00,00,00,\
e4,10,00,00,00,00,00,40,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
"DEV_02&FUN_00"=hex:11,10,26,00,47,01,90,02,02,00,04,06,08,40,01,00,00,00,\
00,00,00,00,00,0d,0e,40,91,91,80,22,e0,f7,f0,f7,41,f7,41,f7,00,00,00,\
00,00,00,00,00,00,dc,00,00,00,00,00,00,00,00,00,07,00
"DEV_0b&FUN_00"=hex:11,0e,f7,a0,42,01,20,04,11,00,04,08,00,00,00,00,dd,\
f7,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\ACPI\PNP0A03\2\LogConf]
"BasicConfigVector"=hex(a):68,01,00,00,0f,00,00,00,00,00,00,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00,01,00,00,00,01,00,01,00,0a,00,00,00,00,06,\
01,00,00,00,00,00,f3,00,00,00,0d,00,00,00,ff,00,00,00,00,00,00,00,00,\
00,00,00,00,00,81,01,00,00,00,00,f3,00,00,0d,00,00,00,ff,00,00,00,\
00,00,00,00,00,00,00,00,00,00,01,03,00,20,00,00,00,00,10,00,00,01,\
00,00,00,00,90,00,00,00,00,00,ff,9f,00,00,00,00,00,81,03,00,20,00,\
00,00,10,00,00,01,00,00,00,90,00,00,00,ff,9f,00,00,00,00,00,\
00,00,81,00,00,00,60,00,00,01,00,00,00,90,00,00,00,00,00,00,00,00,\
00,00,00,00,00,00,00,81,00,00,00,60,00,00,01,00,00,00,90,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,03,03,00,00,00,00,00,00,00,00,\
c0,0c,01,00,00,00,00,00,f2,00,00,00,ff,ff,bf,fe,00,00,00,00,81,03,\
00,00,00,00,00,00,c0,0c,01,00,00,00,00,00,f2,00,00,00,ff,ff,bf,fe,\
00,00,00,00,81,00,00,00,60,00,00,03,00,00,00,00,f2,00,00,00,00,\
00,00,00,00,00,00,00,00,81,00,00,00,60,00,00,03,00,00,00,00,\
00,f2,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
"BootConfig"=hex(8):01,00,00,00,0f,00,00,00,00,00,00,00,01,00,01,00,0a,00,00,\
00,06,01,00,00,0d,00,00,00,f3,00,00,00,00,81,01,00,00,00,f3,00,00,00,\
0d,00,00,00,ff,00,00,01,03,20,00,00,90,00,00,00,00,00,10,00,00,81,\
03,20,00,00,10,00,01,00,00,00,90,00,00,81,00,00,60,01,00,00,00,90,\
00,00,00,00,00,81,00,00,60,01,00,00,00,90,00,00,00,00,00,03,03,00,\
00,00,00,f2,00,00,00,00,00,c0,0c,81,03,00,00,00,c0,0c,01,00,00,\
00,00,00,f2,81,00,00,60,03,00,00,00,00,f2,00,00,00,81,00,00,60,03,\
00,00,00,00,00,f2,00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\ACPI\PNP0A03\2\Control]
"DeviceReference"=dword:fd6e3990
"ActiveService"="PCI"
"FilteredConfigVector"=hex(a):d0,02,00,00,0f,00,00,00,00,00,00,00,00,00,00,\
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00,00,00,00,00,00,01,06,01,80,00,00,00,00,f3,00,00,00,0d,00,00,ff,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,81,01,00,00,00,00,f3,00,00,\
0d,00,00,ff,00,00,00,00,00,00,00,00,00,00,00,00,00,01,01,03,80,20,\
00,00,00,10,00,00,01,00,00,00,90,00,00,00,00,ff,9f,00,00,00,00,\
00,00,81,03,00,20,00,00,10,00,00,01,00,00,00,90,00,00,00,00,\
00,ff,9f,00,00,00,00,00,81,00,00,60,00,01,00,00,00,90,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,81,00,00,60,00,00,01,\
00,00,00,90,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,01,03,\
03,80,00,00,00,00,c0,0c,01,00,00,00,00,00,f2,00,00,00,ff,ff,bf,\
fe,00,00,00,81,03,00,00,00,00,c0,0c,01,00,00,00,00,00,f2,\
00,00,00,ff,ff,bf,fe,00,00,00,81,00,00,60,00,00,03,00,00,00,\
00,00,f2,00,00,00,00,00,00,00,00,00,00,00,00,81,00,00,60,\
00,00,03,00,00,00,00,00,f2,00,00,00,00,00,00,00,00,00,00,00,\
00,01,00,01,00,0a,00,00,00,06,01,00,00,00,00,f3,00,00,0d,00,00,\
ff,00,00,00,00,00,00,00,00,00,00,00,00,81,01,00,00,00,00,f3,\
00,00,0d,00,00,00,ff,00,00,00,00,00,00,00,00,00,00,00,00,00,01,\
03,00,20,00,00,10,00,00,01,00,00,00,90,00,00,00,00,ff,9f,00,\
00,00,00,81,03,00,20,00,00,10,00,00,01,00,00,00,90,00,00,\
00,00,ff,9f,00,00,00,00,81,00,00,60,00,00,01,00,00,00,00,\
90,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00,00,01,00,00,90,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00,00,03,03,00,00,00,00,c0,0c,01,00,00,00,00,f2,00,00,00,\
ff,ff,bf,fe,00,00,00,81,03,00,00,00,00,c0,0c,01,00,00,00,\
00,00,de,f7,08,00,00,f4,00,00,00,00,00,00,00,00,00,00,00,00,\
00,00,f2,00,00,00,ff,ff,bf,fe,00,00,00,81,00,00,60,00,00,03,\
00,00,00,f2,00,00,00,00,00,00,00,00,00,00,00,00,81,00,\
00,00,60,00,03,00,00,00,00,f2,00,00,00,00,00,00,00,00,00,\
00,00,00

"AllocConfig"=hex(8):01,00,00,0f,00,00,00,00,00,00,00,00,0a,00,00,\
00,06,01,00,0d,00,00,f3,00,00,00,00,81,01,00,00,f3,00,00,00,\
0d,00,00,ff,00,00,01,03,20,00,00,90,00,00,00,00,00,10,00,00,81,\
01,20,00,10,00,01,00,00,90,00,00,81,01,00,60,01,00,00,90,\
00,00,00,81,01,00,60,01,00,00,90,00,00,00,00,00,03,03,00,\
00,00,00,f2,00,00,00,00,c0,0c,81,01,00,00,00,c0,0c,01,00,00,\
00,00,f2,81,01,00,60,03,00,00,00,f2,00,00,00,81,01,00,60,03,\
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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\ACPI\PNP0A06]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\ACPI\PNP0A06\4&3d912c8&0]
"Capabilities"=dword:00000060
"ConfigFlags"=dword:00000000
"HardwareID"=hex(7):41,43,50,49,5c,50,4e,50,30,41,30,36,00,2a,50,4e,50,30,41,\
30,36,00,00
"ParentIdPrefix"="5&3b049a2c&0"
"ClassGUID"="{4D36E97D-E325-11CE-BFC1-08002BE10318}"
"Class"="System"
"Driver"="{4D36E97D-E325-11CE-BFC1-08002BE10318}\\0010"
"Mfg"="(Standard system devices)"
"DeviceDesc"="Extended IO Bus"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\ACPI\PNP0A06\4&3d912c8&0\Device
Parameters]
"FirmwareIdentified"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\ACPI\PNP0A06\4&3d912c8&0\LogConf]
"BasicConfigVector"=hex(a):e8,00,00,0f,00,00,00,00,00,00,00,00,00,00,00,\
00,00,00,00,00,00,00,00,01,00,00,00,01,00,00,06,00,00,00,01,\
01,00,11,00,00,02,00,00,00,00,00,5c,01,00,00,00,00,00,00,00,00,\
00,00,00,00,00,01,01,00,11,00,00,04,00,00,00,00,00,20,02,00,00,\
00,00,00,23,02,00,00,00,00,00,00,01,01,00,11,00,00,00,02,00,00,\
00,00,00,30,02,00,00,00,00,31,02,00,00,00,00,00,00,01,01,00,11,00,\
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00,00,04,00,00,00,00,00,00,00,40,02,00,00,00,00,00,00,43,02,00,00,00,00,00,\
00,00,01,01,00,11,00,00,0c,00,00,00,00,00,00,00,50,02,00,00,00,00,00,00,\
5b,02,00,00,00,00,00,00,00,00,01,01,00,11,00,00,03,00,00,00,00,00,00,5d,\
02,00,00,00,00,00,5f,02,00,00,00,00,00
"BootConfig"=hex(8):01,00,00,00,0f,00,00,00,00,00,00,00,01,00,01,00,06,00,00,\
00,01,01,11,00,5c,01,00,00,00,00,00,02,00,00,00,01,01,11,00,20,02,00,00,\
00,00,00,00,04,00,00,00,01,01,11,00,30,02,00,00,00,00,00,02,00,00,00,01,\
01,11,00,40,02,00,00,00,00,00,04,00,00,00,01,01,11,00,50,02,00,00,00,00,\
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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\ACPI\PNP0A06\4&3d912c8&0\Control]
"DeviceReference"=dword:fd6cfd0
"FilteredConfigVector"=hex(a):08,01,00,00,0f,00,00,00,00,00,00,00,00,00,00,00,\
30,00,00,00,01,02,00,00,00,00,00,05,01,00,00,00,01,00,01,00,07,00,00,00,01,\
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00,00,00,00,00,05,01,01,01,80,11,00,00,00,02,00,00,00,01,00,00,00,5c,01,00,\
00,00,00,00,00,5d,01,00,00,00,00,00,00,01,01,01,80,11,00,00,00,04,00,00,00,\
01,00,00,00,20,02,00,00,00,00,00,23,02,00,00,00,00,00,01,01,01,80,11,\
00,00,00,02,00,00,00,01,00,00,00,30,02,00,00,00,00,00,31,02,00,00,00,\
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00,00,00,01,00,00,00,5d,02,00,00,00,00,00,00,00,5f,02,00,00,00,00,00,00
"AllocConfig"=hex(8):01,00,00,00,0f,00,00,00,00,00,00,00,00,00,00,00,06,00,00,\
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00,00,00,00,04,00,00,00,01,01,11,00,30,02,00,00,00,00,00,02,00,00,00,01,\
01,11,00,40,02,00,00,00,00,00,04,00,00,00,01,01,11,00,50,02,00,00,00,00,\
00,00,0c,00,00,00,01,01,11,00,5d,02,00,00,00,00,00,00,03,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\ACPI\PNP0C02]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\ACPI\PNP0C02\0]
"Capabilities"=dword:00000030
"HardwareID"=hex(7):41,43,50,49,5c,50,4e,50,30,43,30,32,00,2a,50,4e,50,30,43,\
30,32,00,00
"ClassGUID"="{4D36E97D-E325-11CE-BFC1-08002BE10318}"
"Class"="System"
"Driver"="{4D36E97D-E325-11CE-BFC1-08002BE10318}\\0011"
"Mfg"="(Standard system devices)"
"DeviceDesc"="Motherboard resources"
"ConfigFlags"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\ACPI\PNP0C02\0\Device Parameters]
"FirmwareIdentified"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\ACPI\PNP0C02\0\LogConf]
"BasicConfigVector"=hex(a):88,00,00,00,0f,00,00,00,00,00,00,00,00,00,00,00,\
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01,00,11,00,00,00,09,00,00,00,00,00,00,50,0f,00,00,00,00,00,00,58,0f,00,\
00,00,00,00,00,00,01,01,00,11,00,00,00,80,00,00,00,00,00,00,00,10,00,00,\
00,00,00,00,7f,10,00,00,00,00,00,00,03,01,00,01,00,00,00,00,02,00,01,\
00,00,00,00,00,0c,00,00,00,00,00,ff,ff,0d,00,00,00,00,00
"BootConfig"=hex(8):01,00,00,00,0f,00,00,00,00,00,00,00,01,00,01,00,03,00,00,\
00,01,01,11,00,50,0f,00,00,00,00,00,00,00,00,00,01,01,11,00,00,10,00,00,\
00,00,00,00,80,00,00,00,03,01,01,00,00,00,0c,00,00,00,00,00,00,00,02,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\ACPI\PNP0C02\0\Control]
"DeviceReference"=dword:fd6cc410

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\ACPI\PNP0F13]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\ACPI\PNP0F13\4&3d912c8&0]
"Capabilities"=dword:00000020

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"HardwareID"=hex(7):41,43,50,49,5c,50,4e,50,30,46,31,33,00,2a,50,4e,50,30,46,\
31,33,00,00
"CompatibleIDs"=hex(7):2a,50,4e,50,30,46,30,45,00,00
"Service"="i8042prt"
"ClassGUID"="{4D36E96F-E325-11CE-BFC1-08002BE10318}"
"ConfigFlags"=dword:00000000
"Driver"="{4D36E96F-E325-11CE-BFC1-08002BE10318}\\0000"
"Mfg"="Microsoft"
"DeviceDesc"="PS/2 Compatible Mouse"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\ACPI\PNP0F13\4&3d912c8&0\Device Parameters]
"FirmwareIdentified"=dword:00000001
"Migrated"=dword:00000001
"EnableWheelDetection"=dword:00000002
"MouseDataQueueSize"=dword:00000064
"MouseResolution"=dword:00000003
"MouseSynchIn100ms"=dword:01312d00
"SampleRate"=dword:0000003c
"WheelDetectionTimeout"=dword:000005dc
"MouseInitializePolled"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\ACPI\PNP0F13\4&3d912c8&0\LogConf]
"BasicConfigVector"=hex(a):48,00,00,00,0f,00,00,00,00,00,00,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00,01,00,00,00,01,00,01,00,01,00,00,00,00,02,\
01,00,01,00,00,0c,00,00,00,0c,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00,00,00,00,00
"BootConfig"=hex(8):01,00,00,00,0f,00,00,00,00,00,00,00,00,00,01,00,01,00,01,00,\
00,02,01,01,00,0c,00,00,00,0c,00,00,00,ff,ff,ff,ff

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\ACPI\PNP0F13\4&3d912c8&0\Control]
"DeviceReference"=dword:fd6cfbb0
"ActiveService"="Mouclass"
"FilteredConfigVector"=hex(a):68,00,00,00,0f,00,00,00,00,00,00,00,00,00,00,00,\
30,00,00,00,01,02,00,00,00,00,00,05,01,00,00,00,01,00,01,00,02,00,00,00,01,\
80,03,00,00,00,00,00,00,01,00,00,00,02,00,00,00,00,02,14,00,3f,00,0f,00,01,01,\
00,00,00,00,00,05,01,02,01,80,01,00,00,00,0c,00,00,00,0c,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00
"AllocConfig"=hex(8):01,00,00,00,0f,00,00,00,00,00,00,00,00,00,00,00,01,00,00,\
00,02,01,01,00,0c,00,00,00,0c,00,00,00,ff,ff,ff,ff

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\ACPI\ThermalZone]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\ACPI\ThermalZone\THM1]
"Capabilities"=dword:00000070
"ConfigFlags"=dword:00000000
"HardwareID"=hex(7):41,43,50,49,5c,54,68,65,72,6d,61,6c,5a,6f,6e,65,00,2a,54,\
68,65,72,6d,61,6c,5a,6f,6e,65,00,00
"ClassGUID"="{4D36E97D-E325-11CE-BFC1-08002BE10318}"
"Class"="System"
"Driver"="{4D36E97D-E325-11CE-BFC1-08002BE10318}\\0012"
"Mfg"="(Standard system devices)"
"DeviceDesc"="ACPI Thermal Zone"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\ACPI\ThermalZone\THM1\LogConf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\ACPI\ThermalZone\THM1\Control]
"DeviceReference"=dword:fd63e10

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\ACPI\_HAL]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\ACPI\_HAL\PNP0C08]

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\ACPI_HAL\PNP0C08\0]
"Capabilities"=dword:00000030
"HardwareID"=hex(7):41,43,50,49,5f,48,41,4c,5c,50,4e,50,30,43,30,38,00,2a,50,\
4e,50,30,43,30,38,00,00
"Service"="ACPI"
"ConfigFlags"=dword:00000000
"ParentIdPrefix"="2&daba3ff&0"
"ClassGUID"="{4D36E97D-E325-11CE-BFCl-08002BE10318}"
"Class"="System"
"Driver"="{4D36E97D-E325-11CE-BFCl-08002BE10318}\\0013"
"Mfg"="Microsoft"
"DeviceDesc"="Microsoft ACPI-Compliant System"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\ACPI_HAL\PNP0C08\0\LogConf]
"BasicConfigVector"=hex(a):48,00,00,00,0f,00,00,00,ff,ff,ff,ff,00,00,00,00,00,\
00,00,00,00,00,00,00,00,01,00,00,00,01,00,01,00,01,00,00,00,02,\
03,00,00,00,00,00,09,00,00,00,09,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00,00,00,00,00
"BootConfig"=hex(8):01,00,00,00,0f,00,00,00,ff,ff,ff,ff,01,00,01,00,01,00,00,\
00,02,03,00,00,09,00,00,00,09,00,00,00,ff,ff,ff,ff

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\ACPI_HAL\PNP0C08\0\Control]
"DeviceReference"=dword:fd687ad0
"ActiveService"="ACPI"
"FilteredConfigVector"=hex(a):68,00,00,00,0f,00,00,00,ff,ff,ff,ff,00,00,00,00,\
30,00,00,00,01,02,00,00,00,00,00,00,05,01,00,00,01,00,01,00,02,00,00,01,\
80,03,00,00,00,00,01,00,00,00,02,00,00,00,00,02,14,00,3f,00,0f,00,01,01,\
00,00,00,00,00,05,01,02,03,80,00,00,00,00,09,00,00,00,09,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00,02,03,00,00,09,00,00,00,09,00,00,00,09,00,00,00,ff,ff,ff,ff

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\CPQBMIC]
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\CPQBMIC\Disk&LDRV_00]
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\CPQBMIC\Disk&LDRV_00\4&15ba4085&1&00]
"DeviceDesc"="BMIC Disk drive"
"LocationInformation"="UNKNOWN"
"Capabilities"=dword:00000060
"ConfigFlags"=dword:00000000
"HardwareID"=hex(7):43,50,51,42,4d,49,43,5c,44,69,73,6b,43,4f,4d,50,41,51,5f,\
5f,4c,4f,47,49,43,41,4c,5f,44,52,49,56,45,5f,5f,5f,31,2e,31,30,00,43,50,51,\
42,4d,49,43,5c,44,69,73,6b,43,4f,4d,50,41,51,5f,5f,4c,4f,47,49,43,41,4c,5f,\
44,52,49,56,45,5f,5f,5f,00,43,50,51,42,4d,49,43,5c,44,69,73,6b,43,4f,4d,50,\
41,51,5f,5f,00,43,50,51,42,4d,49,43,5c,43,4f,4d,50,41,51,5f,5f,4c,4f,47,49,\
43,41,4c,5f,44,52,49,56,45,5f,5f,5f,31,00,43,4f,4d,50,41,51,5f,5f,4c,4f,47,\
43,41,4c,5f,44,52,49,56,45,5f,5f,5f,31,00,43,4f,4d,50,41,51,5f,5f,4c,4f,47,\
49,43,41,4c,5f,44,52,49,56,45,5f,5f,5f,31,00,42,6d,69,63,44,69,73,6b,00,00
"CompatibleIDs"=hex(7):43,50,51,42,4d,49,43,5c,44,69,73,6b,00,43,50,51,42,4d,\
49,43,5c,52,41,57,00,00
"ClassGUID"="{4D36E967-E325-11CE-BFCl-08002BE10318}"
"Class"="DiskDrive"
"Driver"="{4D36E967-E325-11CE-BFCl-08002BE10318}\\0012"
"Mfg"="%DiskManufacturer%"
"Service"="cpqbmicd"
"_FRIENDLYNAME"="COMPAQ LOGICAL_DRIVE Disk Device"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\CPQBMIC\Disk&LDRV_00\4&15ba4085&1&00\LogConf]
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\CPQBMIC\Disk&LDRV_00\4&15ba4085&1&00\Control]

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"DeviceReference"=dword:fd63f030
"ActiveService"="cpqbmicd"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\CPQBMIC\Disk&LDRV_00\4&24d49402&1&00]
"DeviceDesc"="BMIC Disk drive"
"LocationInformation"="UNKNOWN"
"Capabilities"=dword:00000060
"ConfigFlags"=dword:00000000
"HardwareID"=hex(7):43,50,51,42,4d,49,43,5c,44,69,73,6b,43,4f,4d,50,41,51,5f,\
5f,4c,4f,47,49,43,41,4c,5f,44,52,49,56,45,5f,5f,5f,31,2e,31,30,00,43,50,51,\
42,4d,49,43,5c,44,69,73,6b,43,4f,4d,50,41,51,5f,5f,4c,4f,47,49,43,41,4c,5f,\
44,52,49,56,45,5f,5f,5f,00,43,50,51,42,4d,49,43,5c,44,69,73,6b,43,4f,4d,50,\
41,51,5f,5f,00,43,50,51,42,4d,49,43,5c,43,4f,4d,50,41,51,5f,5f,4c,4f,47,49,\
43,41,4c,5f,44,52,49,56,45,5f,5f,5f,31,00,43,4f,4d,50,41,51,5f,5f,4c,4f,47,\
49,43,41,4c,5f,44,52,49,56,45,5f,5f,5f,31,00,42,6d,69,63,44,69,73,6b,00,00
"CompatibleIDs"=hex(7):43,50,51,42,4d,49,43,5c,44,69,73,6b,00,43,50,51,42,4d,\
49,43,5c,52,41,57,00,00
"ClassGUID"="{4D36E967-E325-11CE-BFCl-08002BE10318}"
"Class"="Unknown"
"Service"="cpqbmicd"
"Driver"="{4D36E967-E325-11CE-BFCl-08002BE10318}\\0013"
"Mfg"="%DiskManufacturer%"
"_FRIENDLYNAME"="COMPAQ LOGICAL_DRIVE Disk Device"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\CPQBMIC\Disk&LDRV_00\4&24d49402&1&00\LogConf]
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\CPQBMIC\Disk&LDRV_00\4&24d49402&1&00\Control]
"DeviceReference"=dword:fd651330
"ActiveService"="cpqbmicd"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\CPQBMIC\Disk&LDRV_00\4&34634222&1&00]
"DeviceDesc"="BMIC Disk drive"
"LocationInformation"="UNKNOWN"
"Capabilities"=dword:00000060
"ConfigFlags"=dword:00000000
"HardwareID"=hex(7):43,50,51,42,4d,49,43,5c,44,69,73,6b,43,4f,4d,50,41,51,5f,\
5f,4c,4f,47,49,43,41,4c,5f,44,52,49,56,45,5f,5f,5f,31,2e,31,30,00,43,50,51,\
42,4d,49,43,5c,44,69,73,6b,43,4f,4d,50,41,51,5f,5f,4c,4f,47,49,43,41,4c,5f,\
44,52,49,56,45,5f,5f,5f,00,43,50,51,42,4d,49,43,5c,44,69,73,6b,43,4f,4d,50,\
41,51,5f,5f,00,43,50,51,42,4d,49,43,5c,43,4f,4d,50,41,51,5f,5f,4c,4f,47,49,\
43,41,4c,5f,44,52,49,56,45,5f,5f,5f,31,00,43,4f,4d,50,41,51,5f,5f,4c,4f,47,\
49,43,41,4c,5f,44,52,49,56,45,5f,5f,5f,31,00,42,6d,69,63,44,69,73,6b,00,00
"CompatibleIDs"=hex(7):43,50,51,42,4d,49,43,5c,44,69,73,6b,00,43,50,51,42,4d,\
49,43,5c,52,41,57,00,00
"ClassGUID"="{4D36E967-E325-11CE-BFCl-08002BE10318}"
"Class"="Unknown"
"Service"="cpqbmicd"
"Driver"="{4D36E967-E325-11CE-BFCl-08002BE10318}\\0014"
"Mfg"="%DiskManufacturer%"
"_FRIENDLYNAME"="COMPAQ LOGICAL_DRIVE Disk Device"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\CPQBMIC\Disk&LDRV_00\4&34634222&1&00\LogConf]
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\CPQBMIC\Disk&LDRV_00\4&34634222&1&00\Control]
"DeviceReference"=dword:fd65eed0
"ActiveService"="cpqbmicd"

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\CPQBMIC\Disk&LDRV_00\4&34c34336&1&00]
"DeviceDesc"="BMIC Disk drive"
"LocationInformation"="UNKNOWN"
"Capabilities"=dword:00000060
"ConfigFlags"=dword:00000000
"HardwareID"=hex(7):43,50,51,42,4d,49,43,5c,44,69,73,6b,43,4f,4d,50,41,51,5f,\
5f,4c,4f,47,49,43,41,4c,5f,44,52,49,56,45,5f,5f,5f,31,2e,31,30,00,43,50,51,\
42,4d,49,43,5c,44,69,73,6b,43,4f,4d,50,41,51,5f,5f,5f,4c,4f,47,49,43,41,4c,5f,\
44,52,49,56,45,5f,5f,5f,00,43,50,51,42,4d,49,43,5c,44,69,73,6b,43,4f,4d,50,\
41,51,5f,5f,00,43,50,51,42,4d,49,43,5c,43,4f,4d,50,41,51,5f,5f,5f,4c,4f,47,49,\
43,41,4c,5f,44,52,49,56,45,5f,5f,5f,31,00,43,4f,4d,50,41,51,5f,5f,4c,4f,47,\
49,43,41,4c,5f,44,52,49,56,45,5f,5f,5f,31,00,42,6d,69,63,44,69,73,6b,00,00
"CompatibleIDs"=hex(7):43,50,51,42,4d,49,43,5c,44,69,73,6b,00,43,50,51,42,4d,\
49,43,5c,52,41,57,00,00
"ClassGUID"="{4D36E967-E325-11CE-BFCl-08002BE10318}"
"Class"="Unknown"
"Service"="cpqbmcd"
"Driver"="{4D36E967-E325-11CE-BFCl-08002BE10318}\\0015"
"Mfg"="%DiskManufacturer%"
"_FRIENDLYNAME"="COMPAQ LOGICAL_DRIVE Disk Device"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\CPQBMIC\Disk&LDRV_00\4&34c34336&1&00\LogConf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\CPQBMIC\Disk&LDRV_00\4&34c34336&1&00\Control]
"DeviceReference"=dword:fd63f330
"ActiveService"="cpqbmcd"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\CPQBMIC\Disk&LDRV_00\4&355e271f&1&00]
"DeviceDesc"="BMIC Disk drive"
"LocationInformation"="UNKNOWN"
"Capabilities"=dword:00000060
"ConfigFlags"=dword:00000000
"HardwareID"=hex(7):43,50,51,42,4d,49,43,5c,44,69,73,6b,43,4f,4d,50,41,51,5f,\
5f,4c,4f,47,49,43,41,4c,5f,44,52,49,56,45,5f,5f,5f,31,2e,31,30,00,43,50,51,\
42,4d,49,43,5c,44,69,73,6b,43,4f,4d,50,41,51,5f,5f,5f,4c,4f,47,49,43,41,4c,5f,\
44,52,49,56,45,5f,5f,5f,00,43,50,51,42,4d,49,43,5c,44,69,73,6b,43,4f,4d,50,\
41,51,5f,5f,00,43,50,51,42,4d,49,43,5c,43,4f,4d,50,41,51,5f,5f,5f,4c,4f,47,49,\
43,41,4c,5f,44,52,49,56,45,5f,5f,5f,31,00,43,4f,4d,50,41,51,5f,5f,4c,4f,47,\
49,43,41,4c,5f,44,52,49,56,45,5f,5f,5f,31,00,42,6d,69,63,44,69,73,6b,00,00
"CompatibleIDs"=hex(7):43,50,51,42,4d,49,43,5c,44,69,73,6b,00,43,50,51,42,4d,\
49,43,5c,52,41,57,00,00
"ClassGUID"="{4D36E967-E325-11CE-BFCl-08002BE10318}"
"Class"="Unknown"
"Service"="cpqbmcd"
"Driver"="{4D36E967-E325-11CE-BFCl-08002BE10318}\\0016"
"Mfg"="%DiskManufacturer%"
"_FRIENDLYNAME"="COMPAQ LOGICAL_DRIVE Disk Device"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\CPQBMIC\Disk&LDRV_00\4&355e271f&1&00\LogConf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\CPQBMIC\Disk&LDRV_00\4&355e271f&1&00\Control]
"DeviceReference"=dword:fd651030
"ActiveService"="cpqbmcd"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\CPQBMIC\Disk&LDRV_01]

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\CPQBMIC\Disk&LDRV_01\4&15ba4085&1&01]
"DeviceDesc"="BMIC Disk drive"
"LocationInformation"="UNKNOWN"
"Capabilities"=dword:00000060
"ConfigFlags"=dword:00000000
"HardwareID"=hex(7):43,50,51,42,4d,49,43,5c,44,69,73,6b,43,4f,4d,50,41,51,5f,\
5f,4c,4f,47,49,43,41,4c,5f,44,52,49,56,45,5f,5f,5f,31,2e,31,30,00,43,50,51,\
42,4d,49,43,5c,44,69,73,6b,43,4f,4d,50,41,51,5f,5f,5f,4c,4f,47,49,43,41,4c,5f,\
44,52,49,56,45,5f,5f,5f,00,43,50,51,42,4d,49,43,5c,44,69,73,6b,43,4f,4d,50,\
41,51,5f,5f,00,43,50,51,42,4d,49,43,5c,43,4f,4d,50,41,51,5f,5f,5f,4c,4f,47,49,\
43,41,4c,5f,44,52,49,56,45,5f,5f,5f,31,00,43,4f,4d,50,41,51,5f,5f,4c,4f,47,\
49,43,41,4c,5f,44,52,49,56,45,5f,5f,5f,31,00,42,6d,69,63,44,69,73,6b,00,00
"CompatibleIDs"=hex(7):43,50,51,42,4d,49,43,5c,44,69,73,6b,00,43,50,51,42,4d,\
49,43,5c,52,41,57,00,00
"ClassGUID"="{4D36E967-E325-11CE-BFCl-08002BE10318}"
"Class"="Unknown"
"Service"="cpqbmcd"
"Driver"="{4D36E967-E325-11CE-BFCl-08002BE10318}\\0017"
"Mfg"="%DiskManufacturer%"
"_FRIENDLYNAME"="COMPAQ LOGICAL_DRIVE Disk Device"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\CPQBMIC\Disk&LDRV_01\4&15ba4085&1&01\LogConf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\CPQBMIC\Disk&LDRV_01\4&15ba4085&1&01\Control]
"DeviceReference"=dword:fd63fed0
"ActiveService"="cpqbmcd"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\CPQBMIC\Disk&LDRV_01\4&24d49402&1&01]
"DeviceDesc"="BMIC Disk drive"
"LocationInformation"="UNKNOWN"
"Capabilities"=dword:00000060
"ConfigFlags"=dword:00000000
"HardwareID"=hex(7):43,50,51,42,4d,49,43,5c,44,69,73,6b,43,4f,4d,50,41,51,5f,\
5f,4c,4f,47,49,43,41,4c,5f,44,52,49,56,45,5f,5f,5f,31,2e,31,30,00,43,50,51,\
42,4d,49,43,5c,44,69,73,6b,43,4f,4d,50,41,51,5f,5f,5f,4c,4f,47,49,43,41,4c,5f,\
44,52,49,56,45,5f,5f,5f,00,43,50,51,42,4d,49,43,5c,44,69,73,6b,43,4f,4d,50,\
41,51,5f,5f,00,43,50,51,42,4d,49,43,5c,43,4f,4d,50,41,51,5f,5f,5f,4c,4f,47,49,\
43,41,4c,5f,44,52,49,56,45,5f,5f,5f,31,00,43,4f,4d,50,41,51,5f,5f,4c,4f,47,\
49,43,41,4c,5f,44,52,49,56,45,5f,5f,5f,31,00,42,6d,69,63,44,69,73,6b,00,00
"CompatibleIDs"=hex(7):43,50,51,42,4d,49,43,5c,44,69,73,6b,00,43,50,51,42,4d,\
49,43,5c,52,41,57,00,00
"ClassGUID"="{4D36E967-E325-11CE-BFCl-08002BE10318}"
"Service"="cpqbmcd"
"Driver"="{4D36E967-E325-11CE-BFCl-08002BE10318}\\0025"
"Mfg"="%DiskManufacturer%"
"_FRIENDLYNAME"="COMPAQ LOGICAL_DRIVE Disk Device"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\CPQBMIC\Disk&LDRV_01\4&24d49402&1&01\LogConf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\CPQBMIC\Disk&LDRV_01\4&24d49402&1&01\Control]
"DeviceReference"=dword:fd6511d0
"ActiveService"="cpqbmcd"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\CPQBMIC\Disk&LDRV_01\4&34634222&1&01]
"DeviceDesc"="BMIC Disk drive"
"LocationInformation"="UNKNOWN"

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"Capabilities"=dword:00000060
"ConfigFlags"=dword:00000000
"HardwareID"=hex(7):43,50,51,42,4d,49,43,5c,44,69,73,6b,43,4f,4d,50,41,51,5f,\
5f,4c,4f,47,49,43,41,4c,5f,44,52,49,56,45,5f,5f,5f,31,2e,31,30,00,43,50,51,\
42,4d,49,43,5c,44,69,73,6b,43,4f,4d,50,41,51,5f,5f,4c,4f,47,49,43,41,4c,5f,\
44,52,49,56,45,5f,5f,5f,00,43,50,51,42,4d,49,43,5c,44,69,73,6b,43,4f,4d,50,\
41,51,5f,5f,00,43,50,51,42,4d,49,43,5c,43,4f,4d,50,41,51,5f,5f,4c,4f,47,49,\
43,41,4c,5f,44,52,49,56,45,5f,5f,5f,31,00,43,4f,4d,50,41,51,5f,5f,4c,4f,47,\
49,43,41,4c,5f,44,52,49,56,45,5f,5f,5f,31,00,42,6d,69,63,44,69,73,6b,00,00
"CompatibleIDs"=hex(7):43,50,51,42,4d,49,43,5c,44,69,73,6b,00,43,50,51,42,4d,\
49,43,5c,52,41,57,00,00
"ClassGUID"="{4D36E967-E325-11CE-BFC1-08002BE10318}"
"Class"="Unknown"
"Service"="cpqbmicd"
"Driver"="{4D36E967-E325-11CE-BFC1-08002BE10318}\\0018"
"Mfg"="%DiskManufacturer%"
"_FRIENDLY_NAME"="COMPAQ LOGICAL_DRIVE Disk Device"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\CPQBMIC\Disk&LDRV_01\4&34634222&1&
01\LogConf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\CPQBMIC\Disk&LDRV_01\4&34634222&1&
01\Control]
"DeviceReference"=dword:fd65ed70
"ActiveService"="cpqbmicd"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\CPQBMIC\Disk&LDRV_01\4&34c34336&1&
01]
"DeviceDesc"="BMIC Disk drive"
"LocationInformation"="UNKNOWN"
"Capabilities"=dword:00000060
"ConfigFlags"=dword:00000000
"HardwareID"=hex(7):43,50,51,42,4d,49,43,5c,44,69,73,6b,43,4f,4d,50,41,51,5f,\
5f,4c,4f,47,49,43,41,4c,5f,44,52,49,56,45,5f,5f,5f,31,2e,31,30,00,43,50,51,\
42,4d,49,43,5c,44,69,73,6b,43,4f,4d,50,41,51,5f,5f,4c,4f,47,49,43,41,4c,5f,\
44,52,49,56,45,5f,5f,5f,00,43,50,51,42,4d,49,43,5c,44,69,73,6b,43,4f,4d,50,\
41,51,5f,5f,00,43,50,51,42,4d,49,43,5c,43,4f,4d,50,41,51,5f,5f,4c,4f,47,49,\
43,41,4c,5f,44,52,49,56,45,5f,5f,5f,31,00,43,4f,4d,50,41,51,5f,5f,4c,4f,47,\
49,43,41,4c,5f,44,52,49,56,45,5f,5f,5f,31,00,42,6d,69,63,44,69,73,6b,00,00
"CompatibleIDs"=hex(7):43,50,51,42,4d,49,43,5c,44,69,73,6b,00,43,50,51,42,4d,\
49,43,5c,52,41,57,00,00
"ClassGUID"="{4D36E967-E325-11CE-BFC1-08002BE10318}"
"Class"="Unknown"
"Service"="cpqbmicd"
"Driver"="{4D36E967-E325-11CE-BFC1-08002BE10318}\\0019"
"Mfg"="%DiskManufacturer%"
"_FRIENDLY_NAME"="COMPAQ LOGICAL_DRIVE Disk Device"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\CPQBMIC\Disk&LDRV_01\4&34c34336&1&
01\LogConf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\CPQBMIC\Disk&LDRV_01\4&34c34336&1&
01\Control]
"DeviceReference"=dword:fd63f1d0
"ActiveService"="cpqbmicd"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\CPQBMIC\Disk&LDRV_01\4&355e271f&1&
01]
"DeviceDesc"="BMIC Disk drive"
"LocationInformation"="UNKNOWN"
"Capabilities"=dword:00000060
"ConfigFlags"=dword:00000000
"HardwareID"=hex(7):43,50,51,42,4d,49,43,5c,44,69,73,6b,43,4f,4d,50,41,51,5f,\

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5f,4c,4f,47,49,43,41,4c,5f,44,52,49,56,45,5f,5f,5f,31,2e,31,30,00,43,50,51,\
42,4d,49,43,5c,44,69,73,6b,43,4f,4d,50,41,51,5f,5f,4c,4f,47,49,43,41,4c,5f,\
44,52,49,56,45,5f,5f,5f,00,43,50,51,42,4d,49,43,5c,44,69,73,6b,43,4f,4d,50,\
41,51,5f,5f,00,43,50,51,42,4d,49,43,5c,43,4f,4d,50,41,51,5f,5f,4c,4f,47,49,\
43,41,4c,5f,44,52,49,56,45,5f,5f,5f,31,00,43,4f,4d,50,41,51,5f,5f,4c,4f,47,\
49,43,41,4c,5f,44,52,49,56,45,5f,5f,5f,31,00,42,6d,69,63,44,69,73,6b,00,00
"CompatibleIDs"=hex(7):43,50,51,42,4d,49,43,5c,44,69,73,6b,00,43,50,51,42,4d,\
49,43,5c,52,41,57,00,00
"ClassGUID"="{4D36E967-E325-11CE-BFC1-08002BE10318}"
"Class"="Unknown"
"Service"="cpqbmicd"
"Driver"="{4D36E967-E325-11CE-BFC1-08002BE10318}\\0020"
"Mfg"="%DiskManufacturer%"
"_FRIENDLY_NAME"="COMPAQ LOGICAL_DRIVE Disk Device"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\CPQBMIC\Disk&LDRV_01\4&355e271f&1&
01\LogConf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\CPQBMIC\Disk&LDRV_01\4&355e271f&1&
01\Control]
"DeviceReference"=dword:fd651ed0
"ActiveService"="cpqbmicd"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\CPQBMIC\Disk&LDRV_02]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\CPQBMIC\Disk&LDRV_02\4&15ba4085&1&
02]
"DeviceDesc"="BMIC Disk drive"
"LocationInformation"="UNKNOWN"
"Capabilities"=dword:00000060
"ConfigFlags"=dword:00000000
"HardwareID"=hex(7):43,50,51,42,4d,49,43,5c,44,69,73,6b,43,4f,4d,50,41,51,5f,\
5f,4c,4f,47,49,43,41,4c,5f,44,52,49,56,45,5f,5f,5f,31,2e,31,30,00,43,50,51,\
42,4d,49,43,5c,44,69,73,6b,43,4f,4d,50,41,51,5f,5f,4c,4f,47,49,43,41,4c,5f,\
44,52,49,56,45,5f,5f,5f,00,43,50,51,42,4d,49,43,5c,44,69,73,6b,43,4f,4d,50,\
41,51,5f,5f,00,43,50,51,42,4d,49,43,5c,43,4f,4d,50,41,51,5f,5f,4c,4f,47,49,\
43,41,4c,5f,44,52,49,56,45,5f,5f,5f,31,00,43,4f,4d,50,41,51,5f,5f,4c,4f,47,\
49,43,41,4c,5f,44,52,49,56,45,5f,5f,5f,31,00,42,6d,69,63,44,69,73,6b,00,00
"CompatibleIDs"=hex(7):43,50,51,42,4d,49,43,5c,44,69,73,6b,00,43,50,51,42,4d,\
49,43,5c,52,41,57,00,00
"ClassGUID"="{4D36E967-E325-11CE-BFC1-08002BE10318}"
"Class"="Unknown"
"Service"="cpqbmicd"
"Driver"="{4D36E967-E325-11CE-BFC1-08002BE10318}\\0021"
"Mfg"="%DiskManufacturer%"
"_FRIENDLY_NAME"="COMPAQ LOGICAL_DRIVE Disk Device"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\CPQBMIC\Disk&LDRV_02\4&15ba4085&1&
02\LogConf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\CPQBMIC\Disk&LDRV_02\4&15ba4085&1&
02\Control]
"DeviceReference"=dword:fd63fd70
"ActiveService"="cpqbmicd"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\CPQBMIC\Disk&LDRV_02\4&34634222&1&
02]
"DeviceDesc"="BMIC Disk drive"
"LocationInformation"="UNKNOWN"
"Capabilities"=dword:00000060
"ConfigFlags"=dword:00000000
"HardwareID"=hex(7):43,50,51,42,4d,49,43,5c,44,69,73,6b,43,4f,4d,50,41,51,5f,\
5f,4c,4f,47,49,43,41,4c,5f,44,52,49,56,45,5f,5f,5f,31,2e,31,30,00,43,50,51,\

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"ConfigFlags"=dword:00000000
"HardwareID"=hex(7):50,43,49,5c,56,45,4e,5f,30,45,31,31,26,44,45,56,5f,36,30,\
31,30,26,53,55,42,53,59,53,5f,30,30,30,30,30,26,52,45,56,5f,30,31,\
00,50,43,49,5c,56,45,4e,5f,30,45,31,31,26,44,45,56,5f,36,30,31,30,26,53,55,\
42,53,59,53,5f,30,30,30,30,30,30,00,50,43,49,5c,56,45,4e,5f,30,45,31,\
31,26,44,45,56,5f,36,30,31,30,26,52,45,56,5f,30,31,00,50,43,49,5c,56,45,4e,\
5f,30,45,31,31,26,44,45,56,5f,36,30,31,30,00,50,43,49,5c,56,45,4e,5f,30,45,\
31,31,26,44,45,56,5f,36,30,31,30,26,43,43,5f,30,36,30,30,30,30,00,50,43,49,\
5c,56,45,4e,5f,30,45,31,31,26,44,45,56,5f,36,30,31,30,26,43,43,5f,30,36,30,\
30,00,00
"CompatibleIDs"=hex(7):50,43,49,5c,56,45,4e,5f,30,45,31,31,26,43,43,5f,30,36,\
30,30,30,30,00,50,43,49,5c,56,45,4e,5f,30,45,31,31,26,43,43,5f,30,36,30,30,\
00,50,43,49,5c,56,45,4e,5f,30,45,31,31,00,50,43,49,5c,43,43,5f,30,36,30,30,\
30,30,00,50,43,49,5c,43,43,5f,30,36,30,30,00,00
"ClassGUID"="{4D36E97D-E325-11CE-BFC1-08002BE10318}"
"Class"="System"
"Driver"="{4D36E97D-E325-11CE-BFC1-08002BE10318}\\0017"
"Mfg"="(Standard system devices)"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\PCI\VEN_0E11&DEV_6010&SUBSYS_00000
000&REV_01\3&267a616a&0&D8\LogConf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\PCI\VEN_0E11&DEV_6010&SUBSYS_00000
000&REV_01\3&267a616a&0&D8\Control]
"DeviceReference"=dword:fd670630

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\PCI\VEN_0E11&DEV_A0F0&SUBSYS_B0F30
E11&REV_00]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\PCI\VEN_0E11&DEV_A0F0&SUBSYS_B0F30
E11&REV_00\3&267a616a&0&60]
"DeviceDesc"="Compaq Advanced System Management Controller"
"LocationInformation"="PCI bus 0, device 12, function 0"
"Capabilities"=dword:00000000
"HardwareID"=hex(7):50,43,49,5c,56,45,4e,5f,30,45,31,31,26,44,45,56,5f,41,30,\
46,30,26,53,55,42,53,59,53,5f,42,30,46,33,30,45,31,31,26,52,45,56,5f,30,30,\
00,50,43,49,5c,56,45,4e,5f,30,45,31,31,26,44,45,56,5f,41,30,46,30,26,53,55,\
42,53,59,53,5f,42,30,46,33,30,45,31,31,00,50,43,49,5c,56,45,4e,5f,30,45,31,\
31,26,44,45,56,5f,41,30,46,30,26,43,43,5f,30,38,38,30,30,30,00,50,43,49,5c,\
56,45,4e,5f,30,45,31,31,26,44,45,56,5f,41,30,46,30,26,43,43,5f,30,38,38,30,\
00,00
"CompatibleIDs"=hex(7):50,43,49,5c,56,45,4e,5f,30,45,31,31,26,44,45,56,5f,41,\
30,46,30,26,52,45,56,5f,30,30,00,50,43,49,5c,56,45,4e,5f,30,45,31,31,26,44,\
45,56,5f,41,30,46,30,00,50,43,49,5c,56,45,4e,5f,30,45,31,31,26,43,43,5f,30,\
38,38,30,30,30,00,50,43,49,5c,56,45,4e,5f,30,45,31,31,26,43,43,5f,30,38,\
30,00,50,43,49,5c,56,45,4e,5f,30,45,31,31,00,50,43,49,5c,43,43,5f,30,38,38,\
30,30,30,00,50,43,49,5c,43,43,5f,30,38,38,30,00,00
"ClassGUID"="{4D36E97D-E325-11CE-BFC1-08002BE10318}"
"Class"="System"
"Driver"="{4D36E97D-E325-11CE-BFC1-08002BE10318}\\0018"
"Mfg"="Compaq"
"ConfigFlags"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\PCI\VEN_0E11&DEV_A0F0&SUBSYS_B0F30
E11&REV_00\3&267a616a&0&60\LogConf]
"BasicConfigVector"=hex(a):08,01,00,00,05,00,00,00,00,00,0c,00,00,00,00,\
00,00,00,00,00,00,00,00,01,00,00,00,01,00,01,00,07,00,00,00,01,01,\
01,00,31,00,00,00,00,01,00,00,01,00,00,00,00,18,00,00,00,00,00,00,00,00,00,\
00,00,00,00,00,08,01,01,00,31,00,00,00,00,01,00,00,00,01,00,00,00,00,00,\
00,00,00,00,00,ff,ff,ff,ff,00,00,00,00,00,81,01,00,00,00,00,00,01,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,01,03,01,00,00,00,\
00,00,00,01,00,00,01,00,00,00,00,00,bb,e7,00,00,00,00,ff,00,00,00,bb,e7,00,00,\
00,08,03,01,00,00,00,00,00,01,00,00,00,01,00,00,00,00,00,00,00,00,00,00,00,\

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ff,ff,ff,ff,00,00,00,00,00,00,81,01,00,00,00,00,00,01,00,00,00,01,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,02,03,00,00,00,00,00,00,\
00,00,ff,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
"BootConfig"=hex(8):01,00,00,00,05,00,00,00,00,00,00,00,01,00,01,00,02,00,00,\
00,01,00,01,00,00,18,00,00,00,00,00,00,00,01,00,00,03,00,00,00,00,00,bb,e7,\
00,00,00,00,00,01,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\PCI\VEN_0E11&DEV_A0F0&SUBSYS_B0F30
E11&REV_00\3&267a616a&0&60\Control]
"DeviceReference"=dword:fd6d1dad

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\PCI\VEN_0E11&DEV_A0F7&SUBSYS_A2F80
E11&REV_11]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\PCI\VEN_0E11&DEV_A0F7&SUBSYS_A2F80
E11&REV_11\3&13c0b0c5&0&58]
"DeviceDesc"="Compaq PCI Hotplug Controller"
"LocationInformation"="PCI bus 5, device 11, function 0"
"Capabilities"=dword:00000000
"HardwareID"=hex(7):50,43,49,5c,56,45,4e,5f,30,45,31,31,26,44,45,56,5f,41,30,\
46,37,26,53,55,42,53,59,53,5f,41,32,46,38,30,45,31,31,26,52,45,56,5f,31,31,\
00,50,43,49,5c,56,45,4e,5f,30,45,31,31,26,44,45,56,5f,41,30,46,37,26,53,55,\
42,53,59,53,5f,41,32,46,38,30,45,31,31,00,50,43,49,5c,56,45,4e,5f,30,45,31,\
31,26,44,45,56,5f,41,30,46,37,26,43,43,5f,30,38,30,34,30,30,00,50,43,49,5c,\
56,45,4e,5f,30,45,31,31,26,44,45,56,5f,41,30,46,37,26,43,43,5f,30,38,30,34,\
00,00
"CompatibleIDs"=hex(7):50,43,49,5c,56,45,4e,5f,30,45,31,31,26,44,45,56,5f,41,\
30,46,37,26,52,45,56,5f,31,31,00,50,43,49,5c,56,45,4e,5f,30,45,31,31,26,44,\
45,56,5f,41,30,46,37,00,50,43,49,5c,56,45,4e,5f,30,45,31,31,26,43,43,5f,30,\
38,30,34,30,30,00,50,43,49,5c,56,45,4e,5f,30,45,31,31,26,43,43,5f,30,38,30,\
34,00,50,43,49,5c,56,45,4e,5f,30,45,31,31,00,50,43,49,5c,43,43,5f,30,38,30,\
34,30,30,00,50,43,49,5c,43,43,5f,30,38,30,34,00,00
"ClassGUID"="{4D36E97D-E325-11CE-BFC1-08002BE10318}"
"Class"="System"
"Driver"="{4D36E97D-E325-11CE-BFC1-08002BE10318}\\0019"
"Mfg"="Compaq"
"ConfigFlags"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\PCI\VEN_0E11&DEV_A0F7&SUBSYS_A2F80
E11&REV_11\3&13c0b0c5&0&58\LogConf]
"BasicConfigVector"=hex(a):a8,00,00,00,05,00,00,00,05,00,00,00,0b,00,00,00,00,\
00,00,00,00,00,00,00,00,00,01,00,00,00,01,00,01,00,04,00,00,00,01,03,\
01,00,00,00,00,00,00,01,00,00,01,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
f1,00,00,00,00,08,03,01,00,00,00,00,00,00,01,00,00,00,01,00,00,00,00,00,\
00,00,00,00,ff,ff,ff,ff,00,00,00,00,00,81,01,00,00,00,00,01,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00,00,00,00,00,00,ff,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00
"BootConfig"=hex(8):01,00,00,00,05,00,00,00,05,00,00,00,01,00,01,00,02,00,00,\
00,03,00,00,00,00,00,00,00,00,00,01,00,00,02,03,00,00,0f,00,00,00,\
0f,00,00,00,ff,ff,ff,ff

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\PCI\VEN_0E11&DEV_A0F7&SUBSYS_A2F80
E11&REV_11\3&13c0b0c5&0&58\Control]
"DeviceReference"=dword:fd66f570

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\PCI\VEN_0E11&DEV_A0F7&SUBSYS_A2F80
E11&REV_11\3&267a616a&0&58]
"DeviceDesc"="Compaq PCI Hotplug Controller"
"LocationInformation"="PCI bus 0, device 11, function 0"
"Capabilities"=dword:00000000
"HardwareID"=hex(7):50,43,49,5c,56,45,4e,5f,30,45,31,31,26,44,45,56,5f,41,30,\
46,37,26,53,55,42,53,59,53,5f,41,32,46,38,30,45,31,31,26,52,45,56,5f,31,31,\

```

```
00,50,43,49,5c,56,45,4e,5f,30,45,31,31,26,44,45,56,5f,41,30,46,37,26,53,55,\
42,53,59,53,5f,41,32,46,38,30,45,31,31,00,50,43,49,5c,56,45,4e,5f,30,45,31,\
31,26,44,45,56,5f,41,30,46,37,26,43,43,5f,30,38,30,34,30,30,00,50,43,49,5c,\
56,45,4e,5f,30,45,31,31,26,44,45,56,5f,41,30,46,37,26,43,43,5f,30,38,30,34,\
00,00
"CompatibleIDs"=hex(7):50,43,49,5c,56,45,4e,5f,30,45,31,31,26,44,45,56,5f,41,\
30,46,37,26,52,45,56,5f,31,31,00,50,43,49,5c,56,45,4e,5f,30,45,31,31,26,44,\
45,56,5f,41,30,46,37,00,50,43,49,5c,56,45,4e,5f,30,45,31,31,26,43,43,5f,30,\
38,30,34,30,30,00,50,43,49,5c,56,45,4e,5f,30,45,31,31,26,43,43,5f,30,38,30,\
34,00,50,43,49,5c,56,45,4e,5f,30,45,31,31,00,50,43,49,5c,43,43,5f,30,38,30,\
34,30,30,00,50,43,49,5c,43,43,5f,30,38,30,34,00,00
"ClassGUID"="{4D36E97D-E325-11CE-BFC1-08002BE10318}"
"Class"="System"
"Driver"="{4D36E97D-E325-11CE-BFC1-08002BE10318}\\0020"
"Mfg"="Compaq"
"ConfigFlags"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\PCI\VEN_0E11&DEV_A0F7&SUBSYS_A2F80
E11&REV_11\3&267a616a&0&58\LogConf]
"BasicConfigVector"=hex(a):a8,00,00,00,05,00,00,00,00,00,00,00,0b,00,00,00,00,\
00,00,00,00,00,00,00,00,01,00,00,00,01,00,01,00,04,00,00,00,01,03,\
01,00,00,00,00,00,01,00,00,01,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
e7,00,00,00,00,08,03,01,00,00,00,00,00,00,01,00,00,00,01,00,00,00,00,00,\
00,00,00,00,ff,ff,ff,ff,00,00,00,00,81,01,00,00,00,00,00,01,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,02,03,00,00,00,\
00,00,00,00,00,00,ff,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00
"BootConfig"=hex(8):01,00,00,00,05,00,00,00,0d,00,00,00,01,00,01,00,02,00,00,\
00,03,00,00,00,00,00,00,dd,f7,00,00,00,00,00,01,00,00,02,03,00,00,0f,00,00,00,\
0f,00,00,00,00,ff,ff,ff,ff

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\PCI\VEN_0E11&DEV_A0F7&SUBSYS_A2F80
E11&REV_11\3&267a616a&0&58\Control]
"DeviceReference"=dword:fd6dle30

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\PCI\VEN_0E11&DEV_A0F7&SUBSYS_A2F90
E11&REV_11]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\PCI\VEN_0E11&DEV_A0F7&SUBSYS_A2F90
E11&REV_11\3&267a616a&0&58]
"DeviceDesc"="Compaq PCI Hotplug Controller"
"LocationInformation"="PCI bus 13, device 11, function 0"
"Capabilities"=dword:00000000
"HardwareID"=hex(7):50,43,49,5c,56,45,4e,5f,30,45,31,31,26,44,45,56,5f,41,30,\
46,37,26,53,55,42,53,59,53,5f,41,32,46,39,30,45,31,31,26,52,45,56,5f,31,31,\
00,50,43,49,5c,56,45,4e,5f,30,45,31,31,26,44,45,56,5f,41,30,46,37,26,53,55,\
42,53,59,53,5f,41,32,46,39,30,45,31,31,00,50,43,49,5c,56,45,4e,5f,30,45,31,\
31,26,44,45,56,5f,41,30,46,37,26,43,43,5f,30,38,30,34,30,30,00,50,43,49,5c,\
56,45,4e,5f,30,45,31,31,26,44,45,56,5f,41,30,46,37,26,43,43,5f,30,38,30,34,\
00,00
"CompatibleIDs"=hex(7):50,43,49,5c,56,45,4e,5f,30,45,31,31,26,44,45,56,5f,41,\
30,46,37,26,52,45,56,5f,31,31,00,50,43,49,5c,56,45,4e,5f,30,45,31,31,26,44,\
45,56,5f,41,30,46,37,00,50,43,49,5c,56,45,4e,5f,30,45,31,31,26,43,43,5f,30,\
38,30,34,30,30,00,50,43,49,5c,56,45,4e,5f,30,45,31,31,26,43,43,5f,30,38,30,\
34,00,50,43,49,5c,56,45,4e,5f,30,45,31,31,00,50,43,49,5c,43,43,5f,30,38,30,\
34,30,30,00,50,43,49,5c,43,43,5f,30,38,30,34,00,00
"ClassGUID"="{4D36E97D-E325-11CE-BFC1-08002BE10318}"
"Class"="System"
"Driver"="{4D36E97D-E325-11CE-BFC1-08002BE10318}\\0021"
"Mfg"="Compaq"
"ConfigFlags"=dword:00000000
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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\PCI\VEN_0E11&DEV_A0F7&SUBSYS_A2F90
E11&REV_11\3&267a616a&0&58\LogConf]
"BasicConfigVector"=hex(a):a8,00,00,00,05,00,00,00,0d,00,00,00,0b,00,00,00,\
00,00,00,00,00,00,00,00,01,00,00,00,01,00,01,00,04,00,00,00,01,03,\
01,00,00,00,00,00,01,00,00,01,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
f7,00,00,00,00,08,03,01,00,00,00,00,00,00,01,00,00,00,01,00,00,00,00,00,\
00,00,00,00,ff,ff,ff,ff,00,00,00,00,81,01,00,00,00,00,01,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,02,03,00,00,00,\
00,00,00,00,00,00,ff,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00
"BootConfig"=hex(8):01,00,00,00,05,00,00,00,0d,00,00,00,01,00,01,00,02,00,00,\
00,03,00,00,00,00,00,00,dd,f7,00,00,00,00,00,01,00,00,02,03,00,00,0f,00,00,00,\
0f,00,00,00,00,ff,ff,ff,ff

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\PCI\VEN_0E11&DEV_A0F7&SUBSYS_A2F90
E11&REV_11\3&267a616a&0&58\Control]
"DeviceReference"=dword:fd6cd310

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\PCI\VEN_1000&DEV_0010&SUBSYS_40400
E11&REV_01]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\PCI\VEN_1000&DEV_0010&SUBSYS_40400
E11&REV_01\3&267a616a&0&70]
"DeviceDesc"="Compaq Smart Array Controller"
"LocationInformation"="PCI bus 0, device 14, function 0"
"Capabilities"=dword:00000000
"HardwareID"=hex(7):50,43,49,5c,56,45,4e,5f,31,30,30,30,26,44,45,56,5f,30,30,\
31,30,26,53,55,42,53,59,53,5f,34,30,34,30,30,45,31,31,26,52,45,56,5f,30,31,\
00,50,43,49,5c,56,45,4e,5f,31,30,30,30,26,44,45,56,5f,30,31,30,26,53,55,\
42,53,59,53,5f,34,30,34,30,30,45,31,31,00,50,43,49,5c,56,45,4e,5f,31,30,30,\
30,26,44,45,56,5f,30,31,30,26,43,43,5f,30,31,30,34,30,30,00,50,43,49,5c,\
56,45,4e,5f,31,30,30,30,26,44,45,56,5f,30,31,30,26,43,43,5f,30,31,30,34,\
00,00
"CompatibleIDs"=hex(7):50,43,49,5c,56,45,4e,5f,31,30,30,30,26,44,45,56,5f,30,\
30,31,30,26,52,45,56,5f,30,31,00,50,43,49,5c,56,45,4e,5f,31,30,30,30,26,44,\
45,56,5f,30,30,31,30,00,50,43,49,5c,56,45,4e,5f,31,30,30,30,26,43,43,5f,30,\
31,30,34,30,30,00,50,43,49,5c,56,45,4e,5f,31,30,30,30,26,43,43,5f,30,31,30,\
34,00,50,43,49,5c,56,45,4e,5f,31,30,30,30,00,50,43,49,5c,43,43,5f,30,31,30,\
34,30,30,00,50,43,49,5c,43,43,5f,30,31,30,34,00,00
"Service"="cpqarry2"
"ConfigFlags"=dword:00000000
"ParentIdPrefix"="4&58cac9a&0"
"ClassGUID"="{4D36E97B-E325-11CE-BFC1-08002BE10318}"
"Class"="SCSIAdapter"
"Driver"="{4D36E97B-E325-11CE-BFC1-08002BE10318}\\0000"
"Mfg"="Compaq"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\PCI\VEN_1000&DEV_0010&SUBSYS_40400
E11&REV_01\3&267a616a&0&70\Device Parameters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\PCI\VEN_1000&DEV_0010&SUBSYS_40400
E11&REV_01\3&267a616a&0&70\LogConf]
"BasicConfigVector"=hex(a):68,01,00,00,05,00,00,00,00,00,00,00,0e,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,01,00,00,00,01,00,00,00,01,00,0a,00,00,01,01,\
01,00,31,00,00,00,00,01,00,00,01,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00,00,00,00,08,01,01,00,31,00,00,00,01,00,00,00,01,00,00,00,00,00,00,\
00,00,00,00,ff,ff,ff,ff,00,00,00,00,81,01,00,00,00,00,01,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,01,03,01,00,00,00,\
00,00,00,00,00,01,01,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00,08,03,01,00,00,00,00,00,00,00,00,01,00,00,00,01,00,00,00,00,00,00,00,\
ff,ff,ff,ff,00,00,00,00,81,01,00,00,00,00,01,00,00,00,01,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,01,03,01,00,00,00,00,00,00,\
00,01,01,00,00,00,00,00,00,e5,00,00,00,00,ff,ff,ff,e5,00,00,00,00,08,03,01,\
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"HardwareID"=hex(7):50,43,49,5c,56,45,4e,5f,31,30,31,31,26,44,45,56,5f,30,30,\
32,36,26,53,55,42,53,59,53,5f,30,30,30,30,30,30,30,26,52,45,56,5f,30,32,\
00,50,43,49,5c,56,45,4e,5f,31,30,31,31,26,44,45,56,5f,30,30,32,36,26,53,55,\
42,53,59,53,5f,30,30,30,30,30,30,00,50,43,49,5c,56,45,4e,5f,31,30,31,\
31,26,44,45,56,5f,30,30,32,36,26,52,45,56,5f,30,32,00,50,43,49,5c,56,45,4e,\
5f,31,30,31,31,26,44,45,56,5f,30,30,32,36,00,50,43,49,5c,56,45,4e,5f,31,30,\
31,31,26,44,45,56,5f,30,30,32,36,26,43,43,5f,30,36,30,34,30,30,00,50,43,49,\
5c,56,45,4e,5f,31,30,31,31,26,44,45,56,5f,30,30,32,36,26,43,43,5f,30,36,30,\
34,00,00
"CompatibleIDs"=hex(7):50,43,49,5c,56,45,4e,5f,31,30,31,31,26,43,43,5f,30,36,\
30,34,30,30,00,50,43,49,5c,56,45,4e,5f,31,30,31,31,26,43,43,5f,30,36,30,34,\
00,50,43,49,5c,56,45,4e,5f,31,30,31,31,00,50,43,49,5c,43,43,5f,30,36,30,34,\
30,30,00,50,43,49,5c,43,43,5f,30,36,30,34,00,00
"Service"="pci"
"ConfigFlags"=dword:00000000
"ParentIdPrefix"="4&7a6d3a4&0"
"ClassGUID"="{4D36E97D-E325-11CE-BFC1-08002BE10318}"
"Class"="System"
"Driver"="{4D36E97D-E325-11CE-BFC1-08002BE10318}\\0022"
"UINumberDescFormat"="PCI Slot %1!u!"
"Mfg"="DEC"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\PCI\VEN_1011&DEV_0026&SUBSYS_00000
00&REV_02\3&1070020&0&08\Device Parameters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\PCI\VEN_1011&DEV_0026&SUBSYS_00000
00&REV_02\3&1070020&0&08\LogConf]
"BasicConfigVector"=hex(a):48,01,00,00,05,00,00,0d,00,00,01,00,00,00,00,\
00,00,00,00,00,00,00,00,01,00,00,00,00,01,00,09,00,00,00,01,01,\
01,00,b1,00,00,00,00,10,00,00,01,00,00,00,00,a0,00,00,00,00,ff,af,00,\
00,00,00,00,00,08,01,01,00,b1,00,00,00,10,00,00,10,00,00,00,00,\
00,00,00,00,ff,ff,ff,ff,00,00,00,00,81,01,00,00,00,00,01,00,00,02,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,01,03,01,00,00,00,\
00,00,00,00,20,00,01,00,00,00,00,e0,f7,00,00,00,ff,ff,ff,f7,00,00,\
00,08,03,01,00,00,00,00,00,20,00,00,00,00,00,00,00,00,00,00,\
ff,ff,ff,ff,00,00,00,00,81,01,00,00,00,00,01,00,00,03,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,01,03,01,00,04,00,00,00,\
10,00,01,00,00,00,00,40,f7,00,00,00,ff,ff,4f,f7,00,00,00,08,03,01,\
00,04,00,00,00,00,10,00,00,00,10,00,00,00,00,00,00,ff,ff,ff,ff,\
ff,ff,ff,ff,00,81,01,00,00,00,00,01,00,00,04,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00
"BootConfig"=hex(8):01,00,00,00,05,00,00,0d,00,00,01,00,01,00,03,00,\
00,01,00,a1,00,00,90,00,00,00,00,00,10,00,00,03,00,00,00,e0,f7,\
00,00,00,00,00,00,20,00,03,00,04,00,00,00,c0,f6,00,00,00,00,00,10,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\PCI\VEN_1011&DEV_0026&SUBSYS_00000
000&REV_02\3&1070020&0&10]
"DeviceDesc"="DEC 21154 PCI to PCI bridge"
"LocationInformation"="PCI bus 13, device 2, function 0"
"Capabilities"=dword:00000000
"UINumber"=dword:0000000b
"HardwareID"=hex(7):50,43,49,5c,56,45,4e,5f,31,30,31,31,26,44,45,56,5f,30,30,\
32,36,26,53,55,42,53,59,53,5f,30,30,30,30,30,30,30,26,52,45,56,5f,30,32,\
00,50,43,49,5c,56,45,4e,5f,31,30,31,31,26,44,45,56,5f,30,30,32,36,26,53,55,\
42,53,59,53,5f,30,30,30,30,30,30,00,50,43,49,5c,56,45,4e,5f,31,30,31,\
31,26,44,45,56,5f,30,30,32,36,26,52,45,56,5f,30,32,00,50,43,49,5c,56,45,4e,\
5f,31,30,31,31,26,44,45,56,5f,30,30,32,36,00,50,43,49,5c,56,45,4e,5f,31,30,\
31,31,26,44,45,56,5f,30,30,32,36,26,43,43,5f,30,36,30,34,30,30,00,50,43,49,\
5c,56,45,4e,5f,31,30,31,31,26,44,45,56,5f,30,30,32,36,26,43,43,5f,30,36,30,\
34,00,00
"CompatibleIDs"=hex(7):50,43,49,5c,56,45,4e,5f,31,30,31,31,26,43,43,5f,30,36,\
30,34,30,30,00,50,43,49,5c,56,45,4e,5f,31,30,31,31,26,43,43,5f,30,36,30,34,\
00,50,43,49,5c,56,45,4e,5f,31,30,31,31,00,50,43,49,5c,43,43,5f,30,36,30,34,\
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30,30,00,50,43,49,5c,43,43,5f,30,36,30,34,00,00
"ClassGUID"="{4D36E97D-E325-11CE-BFC1-08002BE10318}"
"Service"="pci"
"ConfigFlags"=dword:00000000
"ParentIdPrefix"="4&17622f0d&0"
"Driver"="{4D36E97D-E325-11CE-BFC1-08002BE10318}\\0038"
"UINumberDescFormat"="PCI Slot %1!u!"
"Mfg"="DEC"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\PCI\VEN_1011&DEV_0026&SUBSYS_00000
000&REV_02\3&1070020&0&10\Device Parameters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\PCI\VEN_1011&DEV_0026&SUBSYS_00000
000&REV_02\3&1070020&0&10\Device Parameters\BiosConfig]
"DEV_04&FUN_00"=hex:86,80,29,12,57,01,80,02,05,00,00,02,08,40,00,00,08,00,4f,\
f7,01,90,00,00,00,00,f0,f7,00,00,00,00,00,00,00,00,00,00,00,00,00,\
11,0e,dd,b0,00,00,00,00,00,00,00,00,00,00,0f,01,08,38
"DEV_05&FUN_00"=hex:86,80,29,12,57,01,80,02,05,00,00,02,08,40,00,00,08,00,4e,\
f7,21,90,00,00,00,e0,f7,00,00,00,00,00,00,00,00,00,00,00,00,00,\
11,0e,dd,b0,00,00,00,00,00,00,00,00,00,00,00,1c,01,08,38

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\PCI\VEN_1011&DEV_0026&SUBSYS_00000
000&REV_02\3&1070020&0&10\LogConf]
"BasicConfigVector"=hex(a):48,01,00,00,05,00,00,0d,00,00,00,02,00,00,00,\
00,00,00,00,00,00,00,00,00,00,01,00,00,00,01,00,01,00,09,00,00,01,01,\
01,00,b1,00,00,00,00,10,00,00,01,00,00,00,00,90,00,00,00,00,ff,9f,00,\
00,00,00,00,08,01,01,00,b1,00,00,00,10,00,00,10,00,00,00,00,00,\
00,00,00,ff,ff,ff,ff,00,00,00,00,81,01,00,00,00,00,01,00,00,02,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,01,03,01,00,00,\
00,00,00,00,20,00,01,00,00,00,e0,f7,00,00,00,ff,ff,ff,f7,00,00,\
00,08,03,01,00,00,00,00,00,20,00,00,00,00,00,00,00,00,00,00,\
ff,ff,ff,ff,00,00,00,00,81,01,00,00,00,00,01,00,00,03,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,01,03,01,00,04,00,00,00,\
10,00,01,00,00,00,00,40,f7,00,00,00,ff,ff,4f,f7,00,00,00,08,03,01,\
00,04,00,00,00,00,10,00,00,00,10,00,00,00,00,00,00,ff,ff,ff,ff,\
ff,ff,ff,ff,00,81,01,00,00,00,00,01,00,00,04,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00
"BootConfig"=hex(8):01,00,00,00,05,00,00,0d,00,00,01,00,01,00,03,00,\
00,01,00,a1,00,00,90,00,00,00,00,00,10,00,00,03,00,00,00,e0,f7,\
00,00,00,00,00,00,20,00,03,00,04,00,00,00,40,f7,00,00,00,00,00,10,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\PCI\VEN_1011&DEV_0026&SUBSYS_00000
000&REV_02\3&1070020&0&10\Control]
"DeviceReference"=dword:fd6cd670
"FilteredConfigVector"=hex(a):48,01,00,00,05,00,00,0d,00,00,00,02,00,00,\
00,00,00,00,00,00,00,00,00,00,01,00,00,00,01,00,01,00,09,00,00,01,\
01,01,00,b1,00,00,00,10,00,00,01,00,00,00,00,90,00,00,00,00,ff,9f,\
00,00,00,00,00,08,01,01,00,b1,00,00,00,10,00,00,10,00,00,00,\
00,00,00,00,ff,ff,ff,ff,00,00,00,00,81,01,00,00,00,00,01,00,00,\
02,00,00,00,00,00,00,00,00,00,00,00,00,00,00,01,03,01,00,00,\
00,00,00,00,20,00,01,00,00,00,00,00,e0,f7,00,00,00,ff,ff,ff,f7,00,00,\
00,08,03,01,00,00,00,00,00,20,00,00,00,00,20,00,00,00,00,00,\
00,ff,ff,ff,ff,00,00,00,00,81,01,00,00,00,00,01,00,00,03,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,01,03,01,00,04,00,00,00,\
00,10,00,01,00,00,00,00,40,f7,00,00,00,ff,ff,4f,f7,00,00,00,08,03,\
01,00,04,00,00,00,00,10,00,00,10,00,00,00,00,00,00,00,ff,ff,ff,\
ff,ff,ff,ff,ff,00,81,01,00,00,00,00,01,00,00,04,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00
"AllocConfig"=hex(8):01,00,00,00,05,00,00,0d,00,00,00,00,00,00,06,00,\
00,01,01,b1,00,00,90,00,00,00,00,00,10,00,00,81,01,00,00,01,00,00,\
02,00,00,00,00,00,00,03,01,00,00,00,e0,f7,00,00,00,00,00,20,00,81,\
01,00,00,01,00,00,03,00,00,00,00,00,03,01,04,00,00,00,40,f7,00,00,\
00,00,00,10,00,81,01,00,00,01,00,00,00,04,00,00,00,00,00,00
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00,00,00,01,00,00,01,00,00,00,00,20,00,00,00,00,00,ff,20,00,00,00,00,00,\
00,08,01,01,00,31,00,00,00,00,01,00,00,00,01,00,00,00,00,00,00,00,00,\
ff,ff,ff,ff,00,00,00,00,00,00,00,81,01,00,00,00,00,01,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,02,03,00,00,00,00,00,\
00,00,ff,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00
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```
"BootConfig"=hex(8):01,00,00,00,05,00,00,00,00,00,00,00,01,00,01,00,03,00,00,\
00,03,00,00,00,00,bf,e7,00,00,00,00,10,00,00,01,00,01,00,00,20,00,00,\
00,00,00,00,00,01,00,00,02,03,00,00,05,00,00,00,ff,ff,ff,ff
```

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\PCI\VEN_1011&DEV_0046&SUBSYS_40500
E11&REV_01\3&267a616a&0&08\Control]
"DeviceReference"=dword:fd673e30
"ActiveService"="cpq42xxb"
"FilteredConfigVector"=hex(a):08,01,00,00,05,00,00,00,00,00,00,00,01,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,01,00,00,00,01,00,01,00,07,00,00,00,\
03,01,00,00,00,00,00,00,10,00,00,01,00,00,00,00,bf,e7,00,00,00,ff,0f,\
bf,e7,00,00,00,08,03,01,00,00,00,00,00,00,00,00,10,00,00,00,00,00,00,\
00,00,00,00,ff,ff,ff,ff,00,00,00,00,81,01,00,00,00,00,00,01,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,01,01,01,00,00,31,\
00,00,00,00,01,00,00,01,00,00,00,20,00,00,00,00,ff,20,00,00,00,00,\
00,00,08,01,01,00,31,00,00,00,00,01,00,00,00,01,00,00,00,00,00,00,00,\
00,ff,ff,ff,ff,00,00,00,00,00,81,01,00,00,00,00,01,00,00,00,01,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,02,03,00,00,00,00,00,00,00,\
00,00,00,ff,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00
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"AllocConfig"=hex(8):01,00,00,00,05,00,00,00,00,00,00,00,00,00,00,05,00,00,\
00,03,01,00,00,00,00,bf,e7,00,00,00,00,10,00,00,81,01,00,00,01,00,00,\
00,00,00,00,00,00,01,01,31,00,00,20,00,00,00,00,00,00,01,00,00,81,\
01,00,00,01,00,00,00,01,00,00,00,00,00,00,02,03,00,00,17,00,00,00,17,00,\
00,00,ff,ff,ff,ff
```

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\PCI\VEN_1011&DEV_0046&SUBSYS_40500
E11&REV_01\3&267a616a&0&10]
"DeviceDesc"="Compaq Smart Array 4200 Controller (Performance)"
"LocationInformation"="PCI bus 0, device 2, function 0"
"Capabilities"=dword:00000000
"UINumber"=dword:00000008
"HardwareID"=hex(7):50,43,49,5c,56,45,4e,5f,31,30,31,31,26,44,45,56,5f,30,30,\
34,36,26,53,55,42,53,59,53,5f,34,30,35,30,30,45,31,31,26,52,45,56,5f,30,31,\
00,50,43,49,5c,56,45,4e,5f,31,30,31,31,26,44,45,56,5f,30,30,34,36,26,53,55,\
42,53,59,53,5f,34,30,35,30,30,45,31,31,00,50,43,49,5c,56,45,4e,5f,31,30,31,\
31,26,44,45,56,5f,30,30,34,36,26,43,43,5f,30,31,30,34,30,30,00,50,43,49,5c,\
56,45,4e,5f,31,30,31,31,26,44,45,56,5f,30,30,34,36,26,43,43,5f,30,31,30,34,\
00,00
"CompatibleIDs"=hex(7):50,43,49,5c,56,45,4e,5f,31,30,31,31,26,44,45,56,5f,30,\
30,34,36,26,52,45,56,5f,30,31,00,50,43,49,5c,56,45,4e,5f,31,30,31,31,26,44,\
45,56,5f,30,30,34,36,00,50,43,49,5c,56,45,4e,5f,31,30,31,31,26,43,43,5f,30,\
31,30,34,30,30,00,50,43,49,5c,56,45,4e,5f,31,30,31,31,26,43,43,5f,30,31,30,\
34,00,50,43,49,5c,56,45,4e,5f,31,30,31,31,00,50,43,49,5c,43,43,5f,30,31,30,\
34,30,30,00,50,43,49,5c,43,43,5f,30,31,30,34,00,00
"ClassGUID"="{4D36E97B-E325-11CE-BFCl-08002BE10318}"
"Class"="SCSIAdapter"
"Driver"="{4D36E97B-E325-11CE-BFCl-08002BE10318}\\0004"
"Mfg"="Compaq"
"Service"="cpq42xxb"
"ConfigFlags"=dword:00000000
"ParentIdPrefix"="4&355e271f&1"
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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\PCI\VEN_1011&DEV_0046&SUBSYS_40500
E11&REV_01\3&267a616a&0&10\LogConf]
"BasicConfigVector"=hex(a):08,01,00,00,05,00,00,00,00,00,00,02,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,01,00,00,00,01,00,00,00,00,00,00,01,03,\
01,00,00,00,00,00,10,00,00,01,00,00,00,00,00,be,e7,00,00,00,ff,0f,be,\
e7,00,00,00,08,03,01,00,00,00,00,00,10,00,00,00,10,00,00,00,00,00,00,\
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00,00,00,00,ff,ff,ff,ff,00,00,00,00,81,01,00,00,00,00,00,01,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,01,01,01,00,31,00,\
00,00,00,01,00,00,01,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00,08,01,01,00,31,00,00,00,01,00,00,00,01,00,00,00,00,00,00,00,00,00,\
ff,ff,ff,ff,00,00,00,00,81,01,00,00,00,00,01,00,00,00,01,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,02,03,00,00,00,00,\
00,00,ff,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00
```

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"BootConfig"=hex(8):01,00,00,00,05,00,00,00,00,00,00,00,01,00,01,00,03,00,00,\
00,03,00,00,00,00,be,e7,00,00,00,00,10,00,00,01,00,01,00,00,24,00,00,\
00,00,00,00,00,01,00,00,02,03,00,00,0a,00,00,00,0a,00,00,00,ff,ff,ff,ff
```

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\PCI\VEN_1011&DEV_0046&SUBSYS_40500
E11&REV_01\3&267a616a&0&10\Control]
"DeviceReference"=dword:fd671650
"ActiveService"="cpq42xxb"
"FilteredConfigVector"=hex(a):08,01,00,00,05,00,00,00,00,00,00,00,02,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,01,00,00,00,01,00,01,00,07,00,00,00,\
03,01,00,00,00,00,00,00,10,00,00,01,00,00,00,00,be,e7,00,00,00,ff,0f,\
be,e7,00,00,00,08,03,01,00,00,00,00,00,00,00,10,00,00,00,00,00,00,\
00,00,00,00,ff,ff,ff,ff,00,00,00,00,81,01,00,00,00,00,00,01,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,01,01,01,00,31,\
00,00,00,00,01,00,00,01,00,00,00,20,00,00,00,00,ff,24,00,00,00,00,\
00,00,08,01,01,00,31,00,00,00,00,01,00,00,00,01,00,00,00,00,00,00,00,\
00,ff,ff,ff,ff,00,00,00,00,81,01,00,00,00,00,01,00,00,00,01,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,02,03,00,00,00,00,00,00,\
00,00,00,ff,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00
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"AllocConfig"=hex(8):01,00,00,00,05,00,00,00,00,00,00,00,00,00,00,05,00,00,\
00,03,01,00,00,00,be,e7,00,00,00,00,10,00,00,81,01,00,00,01,00,00,\
00,00,00,00,00,00,00,01,01,31,00,00,24,00,00,00,00,00,00,00,01,00,00,81,\
01,00,00,01,00,00,00,01,00,00,00,00,00,00,02,03,00,00,16,00,00,00,16,00,\
00,00,ff,ff,ff,ff
```

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\PCI\VEN_1011&DEV_0046&SUBSYS_40500
E11&REV_01\3&267a616a&0&18]
"DeviceDesc"="Compaq Smart Array 4200 Controller (Performance)"
"LocationInformation"="PCI bus 0, device 3, function 0"
"Capabilities"=dword:00000000
"UINumber"=dword:00000009
"HardwareID"=hex(7):50,43,49,5c,56,45,4e,5f,31,30,31,31,26,44,45,56,5f,30,30,\
34,36,26,53,55,42,53,59,53,5f,34,30,35,30,30,45,31,31,26,52,45,56,5f,30,31,\
00,50,43,49,5c,56,45,4e,5f,31,30,31,31,26,44,45,56,5f,30,30,34,36,26,53,55,\
42,53,59,53,5f,34,30,35,30,30,45,31,31,00,50,43,49,5c,56,45,4e,5f,31,30,31,\
31,26,44,45,56,5f,30,30,34,36,26,43,43,5f,30,31,30,34,30,30,00,50,43,49,5c,\
31,26,44,45,56,5f,30,30,34,36,26,43,43,5f,30,31,30,34,30,30,00,50,43,49,5c,\
56,45,4e,5f,31,30,31,31,26,44,45,56,5f,30,30,34,36,26,43,43,5f,30,31,30,34,\
00,00
"CompatibleIDs"=hex(7):50,43,49,5c,56,45,4e,5f,31,30,31,31,26,44,45,56,5f,30,\
30,34,36,26,52,45,56,5f,30,31,00,50,43,49,5c,56,45,4e,5f,31,30,31,31,26,44,\
45,56,5f,30,30,34,36,00,50,43,49,5c,56,45,4e,5f,31,30,31,31,26,43,43,5f,30,\
31,30,34,30,30,00,50,43,49,5c,56,45,4e,5f,31,30,31,31,26,43,43,5f,30,31,30,\
34,00,50,43,49,5c,43,43,5f,30,31,30,34,00,00
"ClassGUID"="{4D36E97B-E325-11CE-BFCl-08002BE10318}"
"Class"="SCSIAdapter"
"Driver"="{4D36E97B-E325-11CE-BFCl-08002BE10318}\\0005"
"Mfg"="Compaq"
"Service"="cpq42xxb"
"ConfigFlags"=dword:00000000
"ParentIdPrefix"="4&24d49402&1"
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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\PCI\VEN_1011&DEV_0046&SUBSYS_40500
E11&REV_01\3&267a616a&0&18\LogConf]
"BasicConfigVector"=hex(a):08,01,00,00,05,00,00,00,00,00,00,00,03,00,00,00,\
00,00,00,00,00,00,00,00,00,00,01,00,00,00,01,00,01,00,07,00,00,00,01,03,\
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01,00,00,00,00,00,10,00,00,01,00,00,00,00,00,bd,e7,00,00,00,00,ff,0f,bd,\
e7,00,00,00,00,08,03,01,00,00,00,00,00,00,10,00,00,00,10,00,00,00,00,\
00,00,00,00,ff,ff,ff,ff,00,00,00,00,00,81,01,00,00,00,00,01,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,01,01,01,00,31,00,\
00,00,00,01,00,00,01,00,00,00,00,28,00,00,00,00,00,ff,28,00,00,00,00,\
00,08,01,01,00,31,00,00,00,00,01,00,00,00,01,00,00,00,00,00,00,00,00,\
ff,ff,ff,ff,00,00,00,00,00,81,01,00,00,00,00,01,00,00,00,01,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,02,03,00,00,00,00,00,00,00,\
00,00,ff,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00
"BootConfig"=hex(8):01,00,00,00,05,00,00,00,00,00,00,01,00,01,00,03,00,00,\
00,03,00,00,00,00,bd,e7,00,00,00,00,10,00,00,01,00,01,00,00,28,00,00,\
00,00,00,00,00,01,00,00,02,03,00,00,0b,00,00,00,0b,00,00,00,ff,ff,ff,ff

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\PCI\VEN_1011&DEV_0046&SUBSYS_40500
E11&REV_01\3&267a616a&0&18\Control]
"DeviceReference"=dword:fd6712f0
"ActiveService"="cpq42xxb"
"FilteredConfigVector"=hex(a):08,01,00,00,05,00,00,00,00,00,00,00,03,00,00,00,\
00,00,00,00,00,00,00,00,00,00,01,00,00,00,01,00,00,00,00,00,07,00,00,00,01,\
03,01,00,00,00,00,00,00,10,00,00,01,00,00,00,00,00,bd,e7,00,00,00,ff,0f,\
bd,e7,00,00,00,00,08,03,01,00,00,00,00,00,10,00,00,00,10,00,00,00,00,00,\
00,00,00,00,00,ff,ff,ff,ff,00,00,00,00,00,81,01,00,00,00,00,01,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,01,01,01,00,31,\
00,00,00,00,01,00,00,01,00,00,00,00,28,00,00,00,00,ff,28,00,00,00,00,\
00,00,08,01,01,00,31,00,00,00,00,01,00,00,00,01,00,00,00,00,00,00,00,\
00,ff,ff,ff,ff,00,00,00,00,81,01,00,00,00,00,01,00,00,00,01,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,02,03,00,00,00,00,00,00,\
00,00,00,ff,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00
"AllocConfig"=hex(8):01,00,00,00,05,00,00,00,00,00,00,00,00,00,00,05,00,00,\
00,03,01,00,00,00,bd,e7,00,00,00,00,10,00,00,81,01,00,00,01,00,00,00,\
00,00,00,00,00,00,00,00,01,01,31,00,00,28,00,00,00,00,00,00,01,00,00,81,\
01,00,00,01,00,00,01,00,00,00,00,00,02,03,00,00,15,00,00,00,15,00,\
00,00,ff,ff,ff,ff,ff

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\PCI\VEN_10E4&DEV_0005&SUBSYS_00001
0E4&REV_00]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\PCI\VEN_10E4&DEV_0005&SUBSYS_00001
0E4&REV_00\3&1070020&0&08]
"DeviceDesc"="Compaq ServerNet-II PCI Adapter, Rev 00"
"LocationInformation"="PCI bus 13, device 1, function 0"
"Capabilities"=dword:00000000
"UINumber"=dword:0000000a
"HardwareID"=hex(7):50,43,49,5c,56,45,4e,5f,31,30,45,34,26,44,45,56,5f,30,30,\
30,35,26,53,55,42,53,59,53,5f,30,30,30,30,31,30,45,34,26,52,45,56,5f,30,30,\
00,50,43,49,5c,56,45,4e,5f,31,30,45,34,26,44,45,56,5f,30,30,35,26,53,55,\
42,53,59,53,5f,30,30,30,30,31,30,45,34,00,50,43,49,5c,56,45,4e,5f,31,30,45,\
34,26,44,45,56,5f,30,30,30,35,26,43,43,5f,30,32,38,30,30,00,50,43,49,5c,\
56,45,4e,5f,31,30,45,34,26,44,45,56,5f,30,30,30,35,26,43,43,5f,30,32,38,30,\
00,00
"CompatibleIDs"=hex(7):50,43,49,5c,56,45,4e,5f,31,30,45,34,26,44,45,56,5f,30,\
30,30,35,26,52,45,56,5f,30,30,00,50,43,49,5c,56,45,4e,5f,31,30,45,34,26,44,\
45,56,5f,30,30,35,00,50,43,49,5c,56,45,4e,5f,31,30,45,34,26,43,43,5f,30,\
32,38,30,30,30,00,50,43,49,5c,56,45,4e,5f,31,30,45,34,26,43,43,5f,30,32,38,\
30,00,50,43,49,5c,56,45,4e,5f,31,30,45,34,00,50,43,49,5c,43,43,5f,30,32,38,\
30,30,30,00,50,43,49,5c,43,43,5f,30,32,38,30,00,00
"ClassGUID"="{4D36E972-E325-11CE-BF01-08002BE10318}"
"Class"="Net"
"Driver"="{4D36E972-E325-11CE-BF01-08002BE10318}\\0011"
"Mfg"="Compaq"
"Service"="Spad2"
"ConfigFlags"=dword:00000000

```

```

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\PCI\VEN_10E4&DEV_0005&SUBSYS_00001
0E4&REV_00\3&1070020&0&08\Device Parameters]
"InstanceIndex"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\PCI\VEN_10E4&DEV_0005&SUBSYS_00001
0E4&REV_00\3&1070020&0&08\LogConf]
"BasicConfigVector"=hex(a):68,01,00,00,05,00,00,00,0d,00,00,00,01,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,01,00,00,00,01,00,00,0a,00,00,00,01,03,\
01,00,00,00,00,00,10,00,00,01,00,00,00,00,df,f7,00,00,00,00,ff,0f,df,\
f7,00,00,00,00,08,03,01,00,00,00,00,00,10,00,00,10,00,00,00,00,00,00,\
00,00,00,ff,ff,ff,ff,00,00,00,00,81,01,00,00,00,00,01,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,01,03,01,00,00,00,\
00,00,00,00,01,00,01,00,00,00,00,00,de,f7,00,00,00,ff,ff,de,f7,00,00,\
00,08,03,01,00,00,00,00,00,00,01,00,00,00,01,00,00,00,00,00,00,00,00,\
ff,ff,ff,ff,00,00,00,00,81,01,00,00,00,00,01,00,00,00,01,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,01,03,01,00,04,00,00,00,00,\
00,02,01,00,00,00,00,00,00,f4,00,00,00,ff,ff,ff,ff,00,00,00,00,08,03,01,\
00,04,00,00,00,00,00,00,02,00,00,00,02,00,00,00,00,00,00,ff,ff,ff,ff,\
00,00,00,00,81,01,00,00,00,00,01,00,00,00,02,00,00,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,02,03,00,00,00,00,00,00,00,ff,0f,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00
"BootConfig"=hex(8):01,00,00,00,05,00,00,00,0d,00,00,00,01,00,01,00,04,00,00,\
00,03,00,00,00,00,df,f7,00,00,00,00,10,00,00,03,00,00,00,00,de,f7,\
00,00,00,00,00,01,00,00,00,00,f4,00,00,00,00,00,f4,00,00,00,00,00,02,02,\
03,00,00,0f,00,00,00,0f,00,00,00,ff,ff,ff,ff

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\PCI\VEN_10E4&DEV_0005&SUBSYS_00001
0E4&REV_00\3&1070020&0&08\Control]
"DeviceReference"=dword:fd6cdb30
"ActiveService"="SPAD2"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\PCI\VEN_1166&DEV_0200&SUBSYS_00000
000&REV_4D]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\PCI\VEN_1166&DEV_0200&SUBSYS_00000
000&REV_4D\3&267a616a&0&78]
"DeviceDesc"="PCI standard ISA bridge"
"LocationInformation"="PCI bus 0, device 15, function 0"
"Capabilities"=dword:00000000
"HardwareID"=hex(7):50,43,49,5c,56,45,4e,5f,31,31,36,36,26,44,45,56,5f,30,32,\
30,30,26,53,55,42,53,59,53,5f,30,30,30,30,30,30,26,52,45,56,5f,34,44,\
00,50,43,49,5c,56,45,4e,5f,31,31,36,36,26,44,45,56,5f,30,32,30,26,53,55,\
42,53,59,53,5f,30,30,30,30,30,30,00,50,43,49,5c,56,45,4e,5f,31,31,36,\
36,26,44,45,56,5f,30,32,30,26,52,45,56,5f,34,44,00,50,43,49,5c,56,45,4e,\
5f,31,31,36,36,26,44,45,56,5f,30,32,30,00,50,43,49,5c,56,45,4e,5f,31,31,\
36,36,26,44,45,56,5f,30,32,30,26,43,43,5f,30,36,30,31,30,30,00,50,43,49,\
5c,56,45,4e,5f,31,31,36,36,26,44,45,56,5f,30,32,30,26,43,43,5f,30,36,30,\
31,00,00
"CompatibleIDs"=hex(7):50,43,49,5c,56,45,4e,5f,31,31,36,36,26,43,43,5f,30,36,\
30,31,30,30,00,50,43,49,5c,56,45,4e,5f,31,31,36,36,26,43,43,5f,30,36,30,31,\
00,50,43,49,5c,56,45,4e,5f,31,31,36,36,00,50,43,49,5c,43,43,5f,30,36,30,31,\
30,30,00,50,43,49,5c,43,43,5f,30,36,30,31,00,00
"Service"="isapnp"
"ConfigFlags"=dword:00000000
"ParentIdPrefix"="{4&3d912c8&0}"
"ClassGUID"="{4D36E97D-E325-11CE-BF01-08002BE10318}"
"Class"="System"
"Driver"="{4D36E97D-E325-11CE-BF01-08002BE10318}\\0024"
"Mfg"="(Standard system devices)"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\PCI\VEN_1166&DEV_0200&SUBSYS_00000
000&REV_4D\3&267a616a&0&78\Device Parameters]

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"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-000F8753ED1}"
"DeviceDesc"="Alerter"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_ALERTER\0000\Control]
"ActiveService"="Alerter"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_APPMGMT]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_APPMGMT\0000]
"Service"="AppMgmt"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-000F8753ED1}"
"DeviceDesc"="Application Management"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_BEEP]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_BEEP\0000]
"Service"="Beep"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000020
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-000F8753ED1}"
"DeviceDesc"="Beep"
"Capabilities"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_BEEP\0000\Control]
"DeviceReference"=dword:fd68a570
"ActiveService"="Beep"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_BROWSER]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_BROWSER\0000]
"Service"="Browser"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-000F8753ED1}"
"DeviceDesc"="Computer Browser"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_BROWSER\0000\Control]
"ActiveService"="Browser"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_CDPS]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_CDPS\0000]
"Service"="cdfs"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000020
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-000F8753ED1}"
"DeviceDesc"="cdfs"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_CDPS\0000\Control]
"ActiveService"="Cdfs"

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_DBGV]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_DBGV\0000]
"Service"="DBGV"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-000F8753ED1}"
"DeviceDesc"="DBGV"
"Capabilities"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_DBGV\0000\Control]
"DeviceReference"=dword:fd68a370

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_DFS]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_DFS\0000]
"Service"="Dfs"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-000F8753ED1}"
"DeviceDesc"="Distributed File System"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_DFS\0000\Control]
"ActiveService"="Dfs"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_DFSDRIVER]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_DFSDRIVER\0000]
"Service"="DfsDriver"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-000F8753ED1}"
"DeviceDesc"="DfsDriver"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_DFSDRIVER\0000\Control]
"ActiveService"="DfsDriver"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_DHCP]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_DHCP\0000]
"Service"="Dhcp"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-000F8753ED1}"
"DeviceDesc"="DHCP Client"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_DHCP\0000\Control]
"ActiveService"="Dhcp"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_DISKPERF]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_DISKPERF\0000]

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"Service"="Diskperf"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000020
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="Diskperf"
"Capabilities"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_DISKPERF\0000\Control]
"DeviceReference"=dword:fd68a170

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_DMADMIN]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_DMADMIN\0000]
"Service"="dmadmin"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="Logical Disk Manager Administrative Service"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_DMADMIN\0000\Control]
"ActiveService"="dmadmin"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_DMBOOT]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_DMBOOT\0000]
"Service"="dmboot"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="dmboot"
"Capabilities"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_DMBOOT\0000\Control]
"DeviceReference"=dword:fd6e9f10

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_DMLoad]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_DMLoad\0000]
"Service"="dmload"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="dmload"
"Capabilities"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_DMLoad\0000\Control]
"DeviceReference"=dword:fd6e9d10
"ActiveService"="dmload"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_DMSERVER]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_DMSERVER\0000]
"Service"="dmserver"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000020

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"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="Logical Disk Manager"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_DMSERVER\0000\Control]
"ActiveService"="dmserver"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_DNSCACHE]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_DNSCACHE\0000]
"Service"="Dnscache"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="DNS Client"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_DNSCACHE\0000\Control]
"ActiveService"="Dnscache"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_EFS]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_EFS\0000]
"Service"="EFS"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000020
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="EFS"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_EFS\0000\Control]
"ActiveService"="EFS"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_EVENTSYSYSTEM]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_EVENTSYSYSTEM\0000]
"Service"="EventSystem"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="COM+ Event System"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_EVENTSYSYSTEM\0000\Control]
"ActiveService"="EventSystem"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_FASTFAT]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_FASTFAT\0000]
"Service"="Fastfat"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000020
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="fastfat"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_FASTFAT\0000\Control]
"ActiveService"="Fastfat"

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_FS_REC]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_FS_REC\0000]
"Service"="Fs_Rec"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000020
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="Fs_Rec"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_FS_REC\0000\Control]
"ActiveService"="Fs_Rec"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_GPC]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_GPC\0000]
"Service"="Gpc"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="Generic Packet Classifier"
"Capabilities"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_GPC\0000\Control]
"DeviceReference"=dword:fd6e9ab0
"ActiveService"="Gpc"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_IPSEC]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_IPSEC\0000]
"Service"="IPSEC"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="IPSEC driver"
"Capabilities"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_IPSEC\0000\Control]
"DeviceReference"=dword:fd6e98b0
"ActiveService"="IPSEC"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_KSECDD]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_KSECDD\0000]
"Service"="KSecDD"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000020
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="KSecDD"
"Capabilities"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_KSECDD\0000\Control]
"DeviceReference"=dword:fd6e96b0
"ActiveService"="KSecDD"

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_LANMANSERVER]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_LANMANSERVER\0000]
"Service"="LanmanServer"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="Server"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_LANMANSERVER\0000\Control]
"ActiveService"="lanmanserver"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_LANMANWORKSTATION]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_LANMANWORKSTATION\0000]
"Service"="LanmanWorkstation"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="Workstation"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_LANMANWORKSTATION\0000\Control]
"ActiveService"="lanmanworkstation"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_LICENSESERVICE]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_LICENSESERVICE\0000]
"Service"="LicenseService"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="License Logging Service"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_LICENSESERVICE\0000\Control]
"ActiveService"="LicenseService"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_LMHOSTS]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_LMHOSTS\0000]
"Service"="LmHosts"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="TCP/IP NetBIOS Helper Service"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_LMHOSTS\0000\Control]
"ActiveService"="LmHosts"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_MESSENGER]
"NextInstance"=dword:00000001

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_MESSENGER\0000]
"Service"="Messenger"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="Messenger"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_MESSENGER\0000\Control]
"ActiveService"="Messenger"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_MNMDD]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_MNMDD\0000]
"Service"="mnmdd"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000020
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="mnmdd"
"Capabilities"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_MNMDD\0000\Control]
"DeviceReference"=dword:fd6e94b0
"ActiveService"="mnmdd"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_MOUNTMGR]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_MOUNTMGR\0000]
"Service"="mountmgr"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="mountmgr"
"Capabilities"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_MOUNTMGR\0000\Control]
"DeviceReference"=dword:fd6e92b0
"ActiveService"="MountMgr"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_MRXSMB]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_MRXSMB\0000]
"Service"="MRxSmb"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="MRXSMB"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_MRXSMB\0000\Control]
"ActiveService"="MRxSmb"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_MSDFTC]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_MSDFTC\0000]
"Service"="MSDFTC"

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"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="Distributed Transaction Coordinator"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_MSDFTC\0000\Control]
"ActiveService"="MSDFTC"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_MSDFS]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_MSDFS\0000]
"Service"="Msfs"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000020
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="Msfs"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_MSDFS\0000\Control]
"ActiveService"="Msfs"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_MSISERVER]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_MSISERVER\0000]
"Service"="MSIServer"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="Windows Installer"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_MSSEARCH]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_MSSEARCH\0000]
"Service"="MSSEARCH"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="Microsoft Search"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_MSSEARCH\0000\Control]
"ActiveService"="MSSEARCH"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_MSSQLSERVER]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_MSSQLSERVER\0000]
"Service"="MSSQLSERVER"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="MSSQLSERVER"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_MUP]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_MUP\0000]

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"Service"="Mup"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000020
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="Mup"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_MUP\0000\Control]
"ActiveService"="Mup"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_NDIS]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_NDIS\0000]
"Service"="NDIS"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000020
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="NDIS System Driver"
"Capabilities"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_NDIS\0000\Control]
"DeviceReference"=dword:fd689030
"ActiveService"="NDIS"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_NDPROXY]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_NDPROXY\0000]
"Service"="NDProxy"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="NDProxy"
"Capabilities"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_NDPROXY\0000\Control]
"DeviceReference"=dword:fd689e30
"ActiveService"="NDProxy"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_NETBIOS]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_NETBIOS\0000]
"Service"="NetBIOS"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="NetBIOS Interface"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_NETBIOS\0000\Control]
"ActiveService"="NetBIOS"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_NETBT]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_NETBT\0000]
"Service"="NetBT"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000

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"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="NetBios over Tcpip"
"Capabilities"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_NETBT\0000\Control]
"DeviceReference"=dword:fd689c30
"ActiveService"="NetBT"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_NETDETECT]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_NETDETECT\0000]
"Service"="NetDetect"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="NetDetect"
"Capabilities"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_NETDETECT\0000\Control]
"DeviceReference"=dword:fd689a30

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_NETMAN]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_NETMAN\0000]
"Service"="Netman"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="Network Connections"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_NETMAN\0000\Control]
"ActiveService"="Netman"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_NPFS]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_NPFS\0000]
"Service"="Npfs"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000020
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="Npfs"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_NPFS\0000\Control]
"ActiveService"="Npfs"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_NTFS]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_NTFS\0000]
"Service"="ntfs"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000020
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="ntfs"

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_NTFS\0000\Control]
"ActiveService"="Ntfs"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_NTLMSSP]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_NTLMSSP\0000]
"Service"="NtLmSsp"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="NT LM Security Support Provider"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_NTLMSSP\0000\Control]
"ActiveService"="NtLmSsp"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_NTMS SVC]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_NTMS SVC\0000]
"Service"="NtmsSvc"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="Removable Storage"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_NTMS SVC\0000\Control]
"ActiveService"="NtmsSvc"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_NULL]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_NULL\0000]
"Service"="Null"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000020
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="Null"
"Capabilities"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_NULL\0000\Control]
"DeviceReference"=dword:fd689830
"ActiveService"="Null"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_PARTMGR]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_PARTMGR\0000]
"Service"="partmgr"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="partmgr"
"Capabilities"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_PARTMGR\0000\Control]
"DeviceReference"=dword:fd689630
"ActiveService"="PartMgr"

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_PARVDM]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_PARVDM\0000]
"Service"="ParVdm"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000020
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="ParVdm"
"Capabilities"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_PARVDM\0000\Control]
"DeviceReference"=dword:fd689430
"ActiveService"="ParVdm"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_POLICYAGENT]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_POLICYAGENT\0000]
"Service"="PolicyAgent"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="IPSEC Policy Agent"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_POLICYAGENT\0000\Control]
"ActiveService"="PolicyAgent"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_PROTECTEDSTORAGE]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_PROTECTEDSTORAGE\0000]
"Service"="ProtectedStorage"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000020
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="Protected Storage"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_PROTECTEDSTORAGE\0000\Control]
"ActiveService"="ProtectedStorage"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_RASACD]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_RASACD\0000]
"Service"="RasAcD"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="Remote Access Auto Connection Driver"
"Capabilities"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_RASACD\0000\Control]
"DeviceReference"=dword:fd689230
"ActiveService"="RasAcD"

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_RASMAN]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_RASMAN\0000]
"Service"="RasMan"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="Remote Access Connection Manager"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_RASMAN\0000\Control]
"ActiveService"="RasMan"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_RDBSS]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_RDBSS\0000]
"Service"="Rdbss"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="Rdbss"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_RDBSS\0000\Control]
"ActiveService"="Rdbss"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_RDPWD]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_RDPWD\0000]
"Service"="RDPWD"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="RDPWD"
"Capabilities"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_RDPWD\0000\Control]
"DeviceReference"=dword:fd6e8f10
"ActiveService"="RDPWD"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_REMOTEREGISTRY]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_REMOTEREGISTRY\0000]
"Service"="RemoteRegistry"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000020
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="Remote Registry Service"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_REMOTEREGISTRY\0000\Control]
"ActiveService"="RemoteRegistry"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_RMSYS]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_RMSYS\0000]

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"Service"="RMSYS"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="Remote Command Service"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_RMSYS\0000\Control]
"ActiveService"="RMSYS"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_RPCSS]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_RPCSS\0000]
"Service"="RpcSs"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000020
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="Remote Procedure Call (RPC)"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_RPCSS\0000\Control]
"ActiveService"="RpcSs"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_SAMSS]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_SAMSS\0000]
"Service"="SamSs"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000020
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="Security Accounts Manager"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_SAMSS\0000\Control]
"ActiveService"="SamSs"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_SANMAN]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_SANMAN\0000]
"Service"="Sanman"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="Compaq ServerNet-II Sanman Service"
"Capabilities"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_SANMAN\0000\Control]
"DeviceReference"=dword:fd6e8d10
"ActiveService"="Sanman"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_SCARDDRV]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_SCARDDRV\0000]
"Service"="SCardDrv"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"

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"DeviceDesc"="Smart Card Helper"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_SCARDSVR]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_SCARDSVR\0000]
"Service"="SCardSvr"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="Smart Card"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_SCHEDULE]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_SCHEDULE\0000]
"Service"="Schedule"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="Task Scheduler"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_SCHEDULE\0000\Control]
"ActiveService"="Schedule"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_SECLOGON]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_SECLOGON\0000]
"Service"="seclogon"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="RunAs Service"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_SECLOGON\0000\Control]
"ActiveService"="seclogon"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_SENS]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_SENS\0000]
"Service"="SENS"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="System Event Notification"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_SENS\0000\Control]
"ActiveService"="SENS"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_SNETNIC]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_SNETNIC\0000]
"Service"="SnetNic"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"

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"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="Compaq ServerNet-II VIVA Driver"
"Capabilities"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_SNETNIC\0000\Control]
"DeviceReference"=dword:fd6e8b10
"ActiveService"="SnetNic"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_SPOOLER]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_SPOOLER\0000]
"Service"="Spooler"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="Print Spooler"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_SPOOLER\0000\Control]
"ActiveService"="Spooler"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_SRV]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_SRV\0000]
"Service"="Srv"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="Srv"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_SRV\0000\Control]
"ActiveService"="Srv"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_SYSDOWN]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_SYSDOWN\0000]
"Service"="sysdown"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="Compaq System Shutdown Service"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_SYSDOWN\0000\Control]
"ActiveService"="sysdown"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_SYSMGMT]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_SYSMGMT\0000]
"Service"="sysmgmt"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="Compaq System Management Driver"
"Capabilities"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_SYSMGMT\0000\Control]

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"DeviceReference"=dword:fd6e8910
"ActiveService"="sysmgmt"
"AllocConfig"=hex(8):03,00,00,00,01,00,00,00,00,00,00,00,00,00,01,00,00,\
00,01,02,01,00,d4,0c,00,00,00,00,00,00,01,00,00,00,01,00,00,00,00,00,00,\
00,00,00,00,01,00,00,00,02,02,01,00,0d,00,00,00,0d,00,00,00,01,00,00,00,05,\
00,00,00,00,00,00,00,00,00,00,01,00,00,00,01,02,01,00,00,18,00,00,00,00,\
00,00,00,01,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_TAPISRV]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_TAPISRV\0000]
"Service"="TapiSrv"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000020
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="Telephony"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_TAPISRV\0000\Control]
"ActiveService"="TapiSrv"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_TARDIS]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_TARDIS\0000]
"Service"="Tardis"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="Tardis time service"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_TARDIS\0000\Control]
"ActiveService"="Tardis"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_TCPIP]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_TCPIP\0000]
"Service"="Tcpip"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="TCP/IP Protocol Driver"
"Capabilities"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_TCPIP\0000\Control]
"DeviceReference"=dword:fd6e8710
"ActiveService"="Tcpip"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_TDPIPE]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_TDPIPE\0000]
"Service"="TDPIPE"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="TDPIPE"
"Capabilities"=dword:00000000

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_TDPIPE\0000\Control]
"DeviceReference"=dword:fd6e8510
"ActiveService"="TDPIPE"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_TDTCP]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_TDTCP\0000]
"Service"="TDTCP"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="TDTCP"
"Capabilities"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_TDTCP\0000\Control]
"DeviceReference"=dword:fd6e8310
"ActiveService"="TDTCP"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_TERMDD]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_TERMDD\0000]
"Service"="TermDD"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="Terminal Device Driver"
"Capabilities"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_TERMDD\0000\Control]
"DeviceReference"=dword:fd6e8030
"ActiveService"="TermDD"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_TERMSERVICE]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_TERMSERVICE\0000]
"Service"="TermService"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="Terminal Services"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_TERMSERVICE\0000\Control]
"ActiveService"="TermService"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_TRKWKs]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_TRKWKs\0000]
"Service"="TrkWks"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000020
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="Distributed Link Tracking Client"

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_TRKWKs\Control]
"ActiveService"="TrkWks"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_VGA]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_VGA\0000]
"Service"="vga"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000020
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="vga"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_VGASAVE]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_VGASAVE\0000]
"Service"="VgaSave"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000020
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="VgaSave"
"Capabilities"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_VGASAVE\0000\Control]
"DeviceReference"=dword:fd688f10
"ActiveService"="VgaSave"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_WANARP]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_WANARP\0000]
"Service"="Wanarp"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="Remote Access IP ARP Driver"
"Capabilities"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_WANARP\0000\Control]
"DeviceReference"=dword:fd688d10
"ActiveService"="Wanarp"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_WINMGMT]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_WINMGMT\0000]
"Service"="WinMgmt"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000000
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="Windows Management Instrumentation"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_WINMGMT\0000\Control]
"ActiveService"="WinMgmt"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_WMI]
"NextInstance"=dword:00000001

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_WMI\0000]
"Service"="Wmi"
"Legacy"=dword:00000001
"ConfigFlags"=dword:00000020
"Class"="LegacyDriver"
"ClassGUID"="{8ECC055D-047F-11D1-A537-0000F8753ED1}"
"DeviceDesc"="Windows Management Instrumentation Driver Extensions"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_WMI\0000\Control]
"ActiveService"="Wmi"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\MEDIA]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\MEDIA\MS_MMACM]
"ClassGUID"="{4D36E96C-E325-11CE-BFC1-08002BE10318}"
"Class"="MEDIA"
"HardwareID"=hex(7):4d,53,5f,4d,4d,41,43,4d,00,00
"DeviceDesc"="Audio Codecs"
"Driver"="{4D36E96C-E325-11CE-BFC1-08002BE10318}\\0002"
"Mfg"="(Standard system devices)"
"Service"="audstubs"
"ConfigFlags"=dword:00000000
"Capabilities"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\MEDIA\MS_MMACM\LogConf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\MEDIA\MS_MMACM\Control]
"DeviceReference"=dword:fd688b10
"ActiveService"="audstubs"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\MEDIA\MS_MMDRV]
"ClassGUID"="{4D36E96C-E325-11CE-BFC1-08002BE10318}"
"Class"="MEDIA"
"HardwareID"=hex(7):4d,53,5f,4d,4d,44,52,56,00,00
"DeviceDesc"="Legacy Audio Drivers"
"Driver"="{4D36E96C-E325-11CE-BFC1-08002BE10318}\\0004"
"Mfg"="(Standard system devices)"
"Service"="audstubs"
"ConfigFlags"=dword:00000000
"Capabilities"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\MEDIA\MS_MMDRV\LogConf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\MEDIA\MS_MMDRV\Control]
"DeviceReference"=dword:fd688910
"ActiveService"="audstubs"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\MEDIA\MS_MMCI]
"ClassGUID"="{4D36E96C-E325-11CE-BFC1-08002BE10318}"
"Class"="MEDIA"
"HardwareID"=hex(7):4d,53,5f,4d,4d,4d,43,49,00,00
"DeviceDesc"="Media Control Devices"
"Driver"="{4D36E96C-E325-11CE-BFC1-08002BE10318}\\0000"
"Mfg"="(Standard system devices)"
"Service"="audstubs"
"ConfigFlags"=dword:00000000
"Capabilities"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\MEDIA\MS_MMCI\LogConf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\MEDIA\MS_MMCI\Control]
"DeviceReference"=dword:fd688710
"ActiveService"="audstubs"

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\MEDIA\MS_MMVCD]
"ClassGUID"="{4D36E96C-E325-11CE-BFC1-08002BE10318}"
"Class"="MEDIA"
"HardwareID"=hex(7):4d,53,5f,4d,4d,56,43,44,00,00
"DeviceDesc"="Legacy Video Capture Devices"
"Driver"="{4D36E96C-E325-11CE-BFC1-08002BE10318}\\0003"
"Mfg"="(Standard system devices)"
"Service"="audstub"
"ConfigFlags"=dword:00000000
"Capabilities"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\MEDIA\MS_MMVCD\LogConf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\MEDIA\MS_MMVCD\Control]
"DeviceReference"=dword:fd688510
"ActiveService"="audstub"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\MEDIA\MS_MMVID]
"ClassGUID"="{4D36E96C-E325-11CE-BFC1-08002BE10318}"
"Class"="MEDIA"
"HardwareID"=hex(7):4d,53,5f,4d,4d,56,49,44,00,00
"DeviceDesc"="Video Codecs"
"Driver"="{4D36E96C-E325-11CE-BFC1-08002BE10318}\\0001"
"Mfg"="(Standard system devices)"
"Service"="audstub"
"ConfigFlags"=dword:00000000
"Capabilities"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\MEDIA\MS_MMVID\LogConf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\MEDIA\MS_MMVID\Control]
"DeviceReference"=dword:fd688310
"ActiveService"="audstub"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\MS_L2TPMINIPOINT]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\MS_L2TPMINIPOINT\0000]
"ClassGUID"="{4D36E972-E325-11CE-BFC1-08002BE10318}"
"Class"="Net"
"HardwareID"=hex(7):6d,73,5f,6c,32,74,70,6d,69,6e,69,70,6f,72,74,00,00
"Driver"="{4D36E972-E325-11CE-BFC1-08002BE10318}\\0005"
"Mfg"="Microsoft"
"Service"="Rasl2tp"
"DeviceDesc"="WAN Miniport (L2TP)"
"ConfigFlags"=dword:00000000
"Capabilities"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\MS_L2TPMINIPOINT\0000\Device
Parameters]
"InstanceIndex"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\MS_L2TPMINIPOINT\0000\LogConf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\MS_L2TPMINIPOINT\0000\Control]
"DeviceReference"=dword:fd6e7030
"ActiveService"="Rasl2tp"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\MS_NDISWANIP]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\MS_NDISWANIP\0000]
"ClassGUID"="{4D36E972-E325-11CE-BFC1-08002BE10318}"
"Class"="Net"

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"HardwareID"=hex(7):6d,73,5f,6e,64,69,73,77,61,6e,69,70,00,00
"Driver"="{4D36E972-E325-11CE-BFC1-08002BE10318}\\0008"
"LowerFilters"=hex(7):4e,64,69,73,54,61,70,69,00,00
"Mfg"="Microsoft"
"Service"="NdisWan"
"DeviceDesc"="WAN Miniport (IP)"
"ConfigFlags"=dword:00000000
"Capabilities"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\MS_NDISWANIP\0000\Device
Parameters]
"InstanceIndex"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\MS_NDISWANIP\0000\LogConf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\MS_NDISWANIP\0000\Control]
"DeviceReference"=dword:fd6e7e30
"ActiveService"="NdisWan"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\MS_PPTPMINIPOINT]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\MS_PPTPMINIPOINT\0000]
"ClassGUID"="{4D36E972-E325-11CE-BFC1-08002BE10318}"
"Class"="Net"
"HardwareID"=hex(7):6d,73,5f,70,70,74,70,6d,69,6e,69,70,6f,72,74,00,00
"Driver"="{4D36E972-E325-11CE-BFC1-08002BE10318}\\0006"
"LowerFilters"=hex(7):4e,64,69,73,54,61,70,69,00,00
"Mfg"="Microsoft"
"Service"="PptpMiniport"
"DeviceDesc"="WAN Miniport (PPTP)"
"ConfigFlags"=dword:00000000
"Capabilities"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\MS_PPTPMINIPOINT\0000\Device
Parameters]
"InstanceIndex"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\MS_PPTPMINIPOINT\0000\LogConf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\MS_PPTPMINIPOINT\0000\Control]
"DeviceReference"=dword:fd6e7c30
"ActiveService"="PptpMiniport"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\MS_PTMINIPOINT]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\MS_PTMINIPOINT\0000]
"ClassGUID"="{4D36E972-E325-11CE-BFC1-08002BE10318}"
"Class"="Net"
"HardwareID"=hex(7):6d,73,5f,70,74,69,6d,69,6e,69,70,6f,72,74,00,00
"Driver"="{4D36E972-E325-11CE-BFC1-08002BE10318}\\0007"
"LowerFilters"=hex(7):50,74,69,4c,69,6e,6b,00,00
"Mfg"="Microsoft"
"Service"="Raspti"
"DeviceDesc"="Direct Parallel"
"ConfigFlags"=dword:00000000
"Capabilities"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\MS_PTMINIPOINT\0000\Device
Parameters]
"InstanceIndex"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\MS_PTMINIPOINT\0000\LogConf]

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\MS_PTINIPORT\0000\Control]
"DeviceReference"=dword:fd6e7a30
"ActiveService"="Raspti"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\PARALLELCCLASS]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\PARALLELCCLASS\0000]
"ClassGUID"="{4D36E97D-E325-11CE-BF1-08002BE10318}"
"HardwareID"=hex(7):52,6f,6f,74,5c,50,61,72,61,6c,6c,65,6c,43,6c,61,73,73,00,\
00
"Class"="System"
"Driver"="{4D36E97D-E325-11CE-BF1-08002BE10318}\\0005"
"Mfg"="(Standard system devices)"
"Service"="Parallel"
"DeviceDesc"="Parallel Class Enumerator"
"ConfigFlags"=dword:00000000
"Capabilities"=dword:00000050

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\PARALLELCCLASS\0000\LogConf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\PARALLELCCLASS\0000\Control]
"DeviceReference"=dword:fd6e7830
"ActiveService"="Parallel"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\RDPPDR]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\RDPPDR\0000]
"ClassGUID"="{4D36E97D-E325-11CE-BF1-08002BE10318}"
"Class"="System"
"HardwareID"=hex(7):52,4f,4f,54,5c,52,44,50,44,52,00,00
"Driver"="{4D36E97D-E325-11CE-BF1-08002BE10318}\\0037"
"Mfg"="(Standard system devices)"
"Service"="rdpdr"
"DeviceDesc"="Terminal Server Device Redirector"
"ConfigFlags"=dword:00000000
"Capabilities"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\RDPPDR\0000\LogConf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\RDPPDR\0000\Control]
"DeviceReference"=dword:fd6e7630
"ActiveService"="rdpdr"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\SYSTEM]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\SYSTEM\0000]
"Class"="System"
"ClassGUID"="{4D36E97D-E325-11CE-BF1-08002BE10318}"
"ConfigFlags"=dword:00000000
"HardwareID"=hex(7):72,6f,6f,74,5c,73,77,65,6e,75,6d,00,00
"Service"="swenum"
"Capabilities"=dword:00000000
"Driver"="{4D36E97D-E325-11CE-BF1-08002BE10318}\\0029"
"Mfg"="(Standard system devices)"
"DeviceDesc"="Plug and Play Software Device Enumerator"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\SYSTEM\0000\LogConf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\SYSTEM\0000\Control]
"DeviceReference"=dword:fd6e7430
"ActiveService"="swenum"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\SYSTEM\0001]

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"Class"="System"
"ClassGUID"="{4D36E97D-E325-11CE-BF1-08002BE10318}"
"ConfigFlags"=dword:00000000
"HardwareID"=hex(7):72,6f,6f,74,5c,75,70,64,61,74,65,00,00
"Service"="update"
"Capabilities"=dword:00000000
"Driver"="{4D36E97D-E325-11CE-BF1-08002BE10318}\\0030"
"Mfg"="(Standard system devices)"
"DeviceDesc"="Microcode Update Device"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\SYSTEM\0001\LogConf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\SYSTEM\0001\Control]
"DeviceReference"=dword:fd6e7230
"ActiveService"="Update"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SCSI]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SCSI\Disk&Ven_Compag&Prod_Disk_Arr
ay&Rev_1.06]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SCSI\Disk&Ven_Compag&Prod_Disk_Arr
ay&Rev_1.06\4&15ba4085&0&000]
"DeviceDesc"="Compag SCSI Drive Array"
"LocationInformation"="Bus Number 0, Target ID 0, LUN 0"
"Capabilities"=dword:00000060
"ConfigFlags"=dword:00000000
"HardwareID"=hex(7):53,43,53,49,5c,44,69,73,6b,43,6f,6d,70,61,71,5f,5f,44,69,\
73,6b,5f,41,72,72,61,79,5f,5f,5f,5f,5f,5f,31,2e,30,36,00,53,43,53,49,5c,44,\
69,73,6b,43,6f,6d,70,61,71,5f,5f,44,69,73,6b,5f,41,72,72,61,79,5f,5f,5f,5f,\
5f,5f,00,53,43,53,49,5c,44,69,73,6b,43,6f,6d,70,61,71,5f,5f,00,53,43,53,49,\
5c,43,6f,6d,70,61,71,5f,5f,44,69,73,6b,5f,41,72,72,61,79,5f,5f,5f,5f,5f,\
31,00,43,6f,6d,70,61,71,5f,5f,44,69,73,6b,5f,41,72,72,61,79,5f,5f,5f,5f,\
5f,31,00,47,65,6e,44,69,73,6b,00,00
"CompatibleIDs"=hex(7):53,43,53,49,5c,44,69,73,6b,00,53,43,53,49,5c,52,41,57,\
00,00
"Service"="disk"
"ClassGUID"="{4D36E967-E325-11CE-BF1-08002BE10318}"
"Driver"="{4D36E967-E325-11CE-BF1-08002BE10318}\\0007"
"Mfg"="Compag"
"_FRIENDLYNAME"="Compag Disk Array SCSI Disk Device"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SCSI\Disk&Ven_Compag&Prod_Disk_Arr
ay&Rev_1.06\4&15ba4085&0&000\Device Parameters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SCSI\Disk&Ven_Compag&Prod_Disk_Arr
ay&Rev_1.06\4&15ba4085&0&000\LogConf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SCSI\Disk&Ven_Compag&Prod_Disk_Arr
ay&Rev_1.06\4&15ba4085&0&010]
"DeviceDesc"="Compag SCSI Drive Array"
"LocationInformation"="Bus Number 0, Target ID 1, LUN 0"
"Capabilities"=dword:00000060
"ConfigFlags"=dword:00000000
"HardwareID"=hex(7):53,43,53,49,5c,44,69,73,6b,43,6f,6d,70,61,71,5f,5f,44,69,\
73,6b,5f,41,72,72,61,79,5f,5f,5f,5f,5f,5f,31,2e,30,36,00,53,43,53,49,5c,44,\
69,73,6b,43,6f,6d,70,61,71,5f,5f,44,69,73,6b,5f,41,72,72,61,79,5f,5f,5f,5f,\
5f,5f,00,53,43,53,49,5c,44,69,73,6b,43,6f,6d,70,61,71,5f,5f,00,53,43,53,49,\
5c,43,6f,6d,70,61,71,5f,5f,44,69,73,6b,5f,41,72,72,61,79,5f,5f,5f,5f,5f,\
31,00,43,6f,6d,70,61,71,5f,5f,44,69,73,6b,5f,41,72,72,61,79,5f,5f,5f,5f,\
5f,31,00,47,65,6e,44,69,73,6b,00,00
"CompatibleIDs"=hex(7):53,43,53,49,5c,44,69,73,6b,00,53,43,53,49,5c,52,41,57,\
00,00

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"Service"="disk"
"ClassGUID"="{4D36E967-E325-11CE-BF1-08002BE10318}"
"Driver"="{4D36E967-E325-11CE-BF1-08002BE10318}\\0000"
"Mfg"="Compaq"
"_FRIENDLYNAME"="Compaq Disk Array SCSI Disk Device"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SCSI\Disk&Ven_Compaq&Prod_Disk_Array&Rev_1.06\4&15ba4085&0&010\Device Parameters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SCSI\Disk&Ven_Compaq&Prod_Disk_Array&Rev_1.06\4&15ba4085&0&010\LogConf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SCSI\Disk&Ven_Compaq&Prod_Disk_Array&Rev_1.06\4&15ba4085&0&020]
"DeviceDesc"="Compaq SCSI Drive Array"
"LocationInformation"="Bus Number 0, Target ID 2, LUN 0"
"Capabilities"=dword:00000060
"ConfigFlags"=dword:00000000
"HardwareID"=hex(7):53,43,53,49,5c,44,69,73,6b,43,6f,6d,70,61,71,5f,5f,44,69,\
73,6b,5f,41,72,72,61,79,5f,5f,5f,5f,5f,5f,31,2e,30,36,00,53,43,53,49,5c,44,\
69,73,6b,43,6f,6d,70,61,71,5f,5f,44,69,73,6b,5f,41,72,72,61,79,5f,5f,5f,5f,\
5f,5f,00,53,43,53,49,5c,44,69,73,6b,43,6f,6d,70,61,71,5f,5f,00,53,43,53,49,\
5c,43,6f,6d,70,61,71,5f,5f,44,69,73,6b,5f,41,72,72,61,79,5f,5f,5f,5f,5f,\
31,00,43,6f,6d,70,61,71,5f,5f,44,69,73,6b,5f,41,72,72,61,79,5f,5f,5f,5f,\
5f,31,00,47,65,6e,44,69,73,6b,00,00
"CompatibleIDs"=hex(7):53,43,53,49,5c,44,69,73,6b,00,53,43,53,49,5c,52,41,57,\
00,00
"Service"="disk"
"ClassGUID"="{4D36E967-E325-11CE-BF1-08002BE10318}"
"Driver"="{4D36E967-E325-11CE-BF1-08002BE10318}\\0001"
"Mfg"="Compaq"
"_FRIENDLYNAME"="Compaq Disk Array SCSI Disk Device"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SCSI\Disk&Ven_Compaq&Prod_Disk_Array&Rev_1.06\4&15ba4085&0&020\Device Parameters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SCSI\Disk&Ven_Compaq&Prod_Disk_Array&Rev_1.06\4&15ba4085&0&020\LogConf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SCSI\Disk&Ven_Compaq&Prod_Disk_Array&Rev_1.06\4&24d49402&0&000]
"DeviceDesc"="Compaq SCSI Drive Array"
"LocationInformation"="Bus Number 0, Target ID 0, LUN 0"
"Capabilities"=dword:00000060
"ConfigFlags"=dword:00000000
"HardwareID"=hex(7):53,43,53,49,5c,44,69,73,6b,43,6f,6d,70,61,71,5f,5f,44,69,\
73,6b,5f,41,72,72,61,79,5f,5f,5f,5f,5f,5f,31,2e,30,36,00,53,43,53,49,5c,44,\
69,73,6b,43,6f,6d,70,61,71,5f,5f,44,69,73,6b,5f,41,72,72,61,79,5f,5f,5f,5f,\
5f,5f,00,53,43,53,49,5c,44,69,73,6b,43,6f,6d,70,61,71,5f,5f,00,53,43,53,49,\
5c,43,6f,6d,70,61,71,5f,5f,44,69,73,6b,5f,41,72,72,61,79,5f,5f,5f,5f,5f,\
31,00,43,6f,6d,70,61,71,5f,5f,44,69,73,6b,5f,41,72,72,61,79,5f,5f,5f,5f,\
5f,31,00,47,65,6e,44,69,73,6b,00,00
"CompatibleIDs"=hex(7):53,43,53,49,5c,44,69,73,6b,00,53,43,53,49,5c,52,41,57,\
00,00
"Service"="disk"
"ClassGUID"="{4D36E967-E325-11CE-BF1-08002BE10318}"
"Driver"="{4D36E967-E325-11CE-BF1-08002BE10318}\\0008"
"Mfg"="Compaq"
"_FRIENDLYNAME"="Compaq Disk Array SCSI Disk Device"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SCSI\Disk&Ven_Compaq&Prod_Disk_Array&Rev_1.06\4&24d49402&0&000\Device Parameters]

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SCSI\Disk&Ven_Compaq&Prod_Disk_Array&Rev_1.06\4&24d49402&0&000\LogConf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SCSI\Disk&Ven_Compaq&Prod_Disk_Array&Rev_1.06\4&34634222&0&000]
"DeviceDesc"="Compaq SCSI Drive Array"
"LocationInformation"="Bus Number 0, Target ID 0, LUN 0"
"Capabilities"=dword:00000060
"ConfigFlags"=dword:00000000
"HardwareID"=hex(7):53,43,53,49,5c,44,69,73,6b,43,6f,6d,70,61,71,5f,5f,44,69,\
73,6b,5f,41,72,72,61,79,5f,5f,5f,5f,5f,5f,31,2e,30,36,00,53,43,53,49,5c,44,\
69,73,6b,43,6f,6d,70,61,71,5f,5f,44,69,73,6b,5f,41,72,72,61,79,5f,5f,5f,5f,\
5f,5f,00,53,43,53,49,5c,44,69,73,6b,43,6f,6d,70,61,71,5f,5f,00,53,43,53,49,\
5c,43,6f,6d,70,61,71,5f,5f,44,69,73,6b,5f,41,72,72,61,79,5f,5f,5f,5f,5f,\
31,00,43,6f,6d,70,61,71,5f,5f,44,69,73,6b,5f,41,72,72,61,79,5f,5f,5f,5f,\
5f,31,00,47,65,6e,44,69,73,6b,00,00
"CompatibleIDs"=hex(7):53,43,53,49,5c,44,69,73,6b,00,53,43,53,49,5c,52,41,57,\
00,00
"Service"="disk"
"ClassGUID"="{4D36E967-E325-11CE-BF1-08002BE10318}"
"Driver"="{4D36E967-E325-11CE-BF1-08002BE10318}\\0009"
"Mfg"="Compaq"
"_FRIENDLYNAME"="Compaq Disk Array SCSI Disk Device"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SCSI\Disk&Ven_Compaq&Prod_Disk_Array&Rev_1.06\4&34634222&0&000\Device Parameters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SCSI\Disk&Ven_Compaq&Prod_Disk_Array&Rev_1.06\4&34634222&0&000\LogConf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SCSI\Disk&Ven_Compaq&Prod_Disk_Array&Rev_1.06\4&34634222&0&010]
"DeviceDesc"="Compaq SCSI Drive Array"
"LocationInformation"="Bus Number 0, Target ID 1, LUN 0"
"Capabilities"=dword:00000060
"ConfigFlags"=dword:00000000
"HardwareID"=hex(7):53,43,53,49,5c,44,69,73,6b,43,6f,6d,70,61,71,5f,5f,44,69,\
73,6b,5f,41,72,72,61,79,5f,5f,5f,5f,5f,5f,31,2e,30,36,00,53,43,53,49,5c,44,\
69,73,6b,43,6f,6d,70,61,71,5f,5f,44,69,73,6b,5f,41,72,72,61,79,5f,5f,5f,5f,\
5f,5f,00,53,43,53,49,5c,44,69,73,6b,43,6f,6d,70,61,71,5f,5f,00,53,43,53,49,\
5c,43,6f,6d,70,61,71,5f,5f,44,69,73,6b,5f,41,72,72,61,79,5f,5f,5f,5f,5f,\
31,00,43,6f,6d,70,61,71,5f,5f,44,69,73,6b,5f,41,72,72,61,79,5f,5f,5f,5f,\
5f,31,00,47,65,6e,44,69,73,6b,00,00
"CompatibleIDs"=hex(7):53,43,53,49,5c,44,69,73,6b,00,53,43,53,49,5c,52,41,57,\
00,00
"Service"="disk"
"ClassGUID"="{4D36E967-E325-11CE-BF1-08002BE10318}"
"Driver"="{4D36E967-E325-11CE-BF1-08002BE10318}\\0002"
"Mfg"="Compaq"
"_FRIENDLYNAME"="Compaq Disk Array SCSI Disk Device"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SCSI\Disk&Ven_Compaq&Prod_Disk_Array&Rev_1.06\4&34634222&0&010\Device Parameters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SCSI\Disk&Ven_Compaq&Prod_Disk_Array&Rev_1.06\4&34634222&0&010\LogConf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SCSI\Disk&Ven_Compaq&Prod_Disk_Array&Rev_1.06\4&34c34336&0&000]
"DeviceDesc"="Compaq SCSI Drive Array"
"LocationInformation"="Bus Number 0, Target ID 0, LUN 0"
"Capabilities"=dword:00000060
"ConfigFlags"=dword:00000000

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"HardwareID"=hex(7):53,43,53,49,5c,44,69,73,6b,43,6f,6d,70,61,71,5f,5f,44,69,\
73,6b,5f,41,72,72,61,79,5f,5f,5f,5f,5f,5f,31,2e,30,36,00,53,43,53,49,5c,44,\
69,73,6b,43,6f,6d,70,61,71,5f,5f,44,69,73,6b,5f,41,72,72,61,79,5f,5f,5f,5f,\
5f,5f,00,53,43,53,49,5c,44,69,73,6b,43,6f,6d,70,61,71,5f,5f,00,53,43,53,49,\
5c,43,6f,6d,70,61,71,5f,5f,44,69,73,6b,5f,41,72,72,61,79,5f,5f,5f,5f,5f,\
31,00,43,6f,6d,70,61,71,5f,5f,44,69,73,6b,5f,41,72,72,61,79,5f,5f,5f,5f,\
5f,31,00,47,65,6e,44,69,73,6b,00,00
"CompatibleIDs"=hex(7):53,43,53,49,5c,44,69,73,6b,00,53,43,53,49,5c,52,41,57,\
00,00
"Service"="disk"
"ClassGUID"="{4D36E967-E325-11CE-BFCl-08002BE10318}"
"Driver"="{4D36E967-E325-11CE-BFCl-08002BE10318}\\0010"
"Mfg"="Compaq"
"_FRIENDLYNAME"="Compaq Disk Array SCSI Disk Device"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SCSI\Disk&Ven_Compag&Prod_Disk_Arr
ay&Rev_1.06\4&34c34336&0&000\Device Parameters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SCSI\Disk&Ven_Compag&Prod_Disk_Arr
ay&Rev_1.06\4&34c34336&0&000\LogConf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SCSI\Disk&Ven_Compag&Prod_Disk_Arr
ay&Rev_1.06\4&34c34336&0&010]
"DeviceDesc"="Compaq SCSI Drive Array"
"LocationInformation"="Bus Number 0, Target ID 1, LUN 0"
"Capabilities"=dword:00000060
"ConfigFlags"=dword:00000000
"HardwareID"=hex(7):53,43,53,49,5c,44,69,73,6b,43,6f,6d,70,61,71,5f,5f,44,69,\
73,6b,5f,41,72,72,61,79,5f,5f,5f,5f,5f,5f,31,2e,30,36,00,53,43,53,49,5c,44,\
69,73,6b,43,6f,6d,70,61,71,5f,5f,44,69,73,6b,5f,41,72,72,61,79,5f,5f,5f,5f,\
5f,5f,00,53,43,53,49,5c,44,69,73,6b,43,6f,6d,70,61,71,5f,5f,00,53,43,53,49,\
5c,43,6f,6d,70,61,71,5f,5f,44,69,73,6b,5f,41,72,72,61,79,5f,5f,5f,5f,5f,\
31,00,43,6f,6d,70,61,71,5f,5f,44,69,73,6b,5f,41,72,72,61,79,5f,5f,5f,5f,\
5f,31,00,47,65,6e,44,69,73,6b,00,00
"CompatibleIDs"=hex(7):53,43,53,49,5c,44,69,73,6b,00,53,43,53,49,5c,52,41,57,\
00,00
"Service"="disk"
"ClassGUID"="{4D36E967-E325-11CE-BFCl-08002BE10318}"
"Driver"="{4D36E967-E325-11CE-BFCl-08002BE10318}\\0003"
"Mfg"="Compaq"
"_FRIENDLYNAME"="Compaq Disk Array SCSI Disk Device"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SCSI\Disk&Ven_Compag&Prod_Disk_Arr
ay&Rev_1.06\4&34c34336&0&010\Device Parameters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SCSI\Disk&Ven_Compag&Prod_Disk_Arr
ay&Rev_1.06\4&34c34336&0&010\LogConf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SCSI\Disk&Ven_Compag&Prod_Disk_Arr
ay&Rev_1.06\4&34c34336&0&020]
"DeviceDesc"="Compaq SCSI Drive Array"
"LocationInformation"="Bus Number 0, Target ID 2, LUN 0"
"Capabilities"=dword:00000060
"ConfigFlags"=dword:00000000
"HardwareID"=hex(7):53,43,53,49,5c,44,69,73,6b,43,6f,6d,70,61,71,5f,5f,44,69,\
73,6b,5f,41,72,72,61,79,5f,5f,5f,5f,5f,5f,31,2e,30,36,00,53,43,53,49,5c,44,\
69,73,6b,43,6f,6d,70,61,71,5f,5f,44,69,73,6b,5f,41,72,72,61,79,5f,5f,5f,5f,\
5f,5f,00,53,43,53,49,5c,44,69,73,6b,43,6f,6d,70,61,71,5f,5f,00,53,43,53,49,\
5c,43,6f,6d,70,61,71,5f,5f,44,69,73,6b,5f,41,72,72,61,79,5f,5f,5f,5f,5f,\
31,00,43,6f,6d,70,61,71,5f,5f,44,69,73,6b,5f,41,72,72,61,79,5f,5f,5f,5f,\
5f,31,00,47,65,6e,44,69,73,6b,00,00
"CompatibleIDs"=hex(7):53,43,53,49,5c,44,69,73,6b,00,53,43,53,49,5c,52,41,57,\
00,00

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"Service"="disk"
"ClassGUID"="{4D36E967-E325-11CE-BFCl-08002BE10318}"
"Driver"="{4D36E967-E325-11CE-BFCl-08002BE10318}\\0004"
"Mfg"="Compaq"
"_FRIENDLYNAME"="Compaq Disk Array SCSI Disk Device"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SCSI\Disk&Ven_Compag&Prod_Disk_Arr
ay&Rev_1.06\4&34c34336&0&020\Device Parameters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SCSI\Disk&Ven_Compag&Prod_Disk_Arr
ay&Rev_1.06\4&34c34336&0&020\LogConf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SCSI\Disk&Ven_Compag&Prod_Disk_Arr
ay&Rev_1.06\4&355e271f&0&000]
"DeviceDesc"="Compaq SCSI Drive Array"
"LocationInformation"="Bus Number 0, Target ID 0, LUN 0"
"Capabilities"=dword:00000060
"ConfigFlags"=dword:00000000
"HardwareID"=hex(7):53,43,53,49,5c,44,69,73,6b,43,6f,6d,70,61,71,5f,5f,44,69,\
73,6b,5f,41,72,72,61,79,5f,5f,5f,5f,5f,5f,31,2e,30,36,00,53,43,53,49,5c,44,\
69,73,6b,43,6f,6d,70,61,71,5f,5f,44,69,73,6b,5f,41,72,72,61,79,5f,5f,5f,5f,\
5f,5f,00,53,43,53,49,5c,44,69,73,6b,43,6f,6d,70,61,71,5f,5f,00,53,43,53,49,\
5c,43,6f,6d,70,61,71,5f,5f,44,69,73,6b,5f,41,72,72,61,79,5f,5f,5f,5f,5f,\
31,00,43,6f,6d,70,61,71,5f,5f,44,69,73,6b,5f,41,72,72,61,79,5f,5f,5f,5f,\
5f,31,00,47,65,6e,44,69,73,6b,00,00
"CompatibleIDs"=hex(7):53,43,53,49,5c,44,69,73,6b,00,53,43,53,49,5c,52,41,57,\
00,00
"Service"="disk"
"ClassGUID"="{4D36E967-E325-11CE-BFCl-08002BE10318}"
"Driver"="{4D36E967-E325-11CE-BFCl-08002BE10318}\\0011"
"Mfg"="Compaq"
"_FRIENDLYNAME"="Compaq Disk Array SCSI Disk Device"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SCSI\Disk&Ven_Compag&Prod_Disk_Arr
ay&Rev_1.06\4&355e271f&0&000\Device Parameters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SCSI\Disk&Ven_Compag&Prod_Disk_Arr
ay&Rev_1.06\4&355e271f&0&000\LogConf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SCSI\Disk&Ven_Compag&Prod_Disk_Arr
ay&Rev_1.06\4&355e271f&0&010]
"DeviceDesc"="Compaq SCSI Drive Array"
"LocationInformation"="Bus Number 0, Target ID 1, LUN 0"
"Capabilities"=dword:00000060
"ConfigFlags"=dword:00000000
"HardwareID"=hex(7):53,43,53,49,5c,44,69,73,6b,43,6f,6d,70,61,71,5f,5f,44,69,\
73,6b,5f,41,72,72,61,79,5f,5f,5f,5f,5f,5f,31,2e,30,36,00,53,43,53,49,5c,44,\
69,73,6b,43,6f,6d,70,61,71,5f,5f,44,69,73,6b,5f,41,72,72,61,79,5f,5f,5f,5f,\
5f,5f,00,53,43,53,49,5c,44,69,73,6b,43,6f,6d,70,61,71,5f,5f,00,53,43,53,49,\
5c,43,6f,6d,70,61,71,5f,5f,44,69,73,6b,5f,41,72,72,61,79,5f,5f,5f,5f,5f,\
31,00,43,6f,6d,70,61,71,5f,5f,44,69,73,6b,5f,41,72,72,61,79,5f,5f,5f,5f,\
5f,31,00,47,65,6e,44,69,73,6b,00,00
"CompatibleIDs"=hex(7):53,43,53,49,5c,44,69,73,6b,00,53,43,53,49,5c,52,41,57,\
00,00
"Service"="disk"
"ClassGUID"="{4D36E967-E325-11CE-BFCl-08002BE10318}"
"Driver"="{4D36E967-E325-11CE-BFCl-08002BE10318}\\0005"
"Mfg"="Compaq"
"_FRIENDLYNAME"="Compaq Disk Array SCSI Disk Device"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SCSI\Disk&Ven_Compag&Prod_Disk_Arr
ay&Rev_1.06\4&355e271f&0&010\Device Parameters]

```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SCSI\Disk&Ven_Compag&Prod_Disk_Array&Rev_1.06\4&355e271f&0&010\LogConf]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SCSI\Disk&Ven_Compag&Prod_Disk_Array&Rev_1.34]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SCSI\Disk&Ven_Compag&Prod_Disk_Array&Rev_1.34\4&58cac9a&0&000]  
"DeviceDesc"="Compag SCSI Drive Array"  
"LocationInformation"="Bus Number 0, Target ID 0, LUN 0"  
"Capabilities"=dword:00000060  
"ConfigFlags"=dword:00000000  
"HardwareID"=hex(7):53,43,53,49,5c,44,69,73,6b,43,6f,6d,70,61,71,5f,5f,44,69,\73,6b,5f,41,72,72,61,79,5f,5f,5f,5f,5f,5f,31,2e,33,34,00,53,43,53,49,5c,44,\69,73,6b,43,6f,6d,70,61,71,5f,5f,44,69,73,6b,5f,41,72,72,61,79,5f,5f,5f,5f,\5f,5f,00,53,43,53,49,5c,44,69,73,6b,43,6f,6d,70,61,71,5f,5f,00,53,43,53,49,\5c,43,6f,6d,70,61,71,5f,5f,44,69,73,6b,5f,41,72,72,61,79,5f,5f,5f,5f,5f,\31,00,43,6f,6d,70,61,71,5f,5f,44,69,73,6b,5f,41,72,72,61,79,5f,5f,5f,5f,\5f,31,00,47,65,6e,44,69,73,6b,00,00  
"CompatibleIDs"=hex(7):53,43,53,49,5c,44,69,73,6b,00,53,43,53,49,5c,52,41,57,\00,00  
"Service"="disk"  
"ClassGUID"="{4D36E967-E325-11CE-BF01-08002BE10318}"  
"Driver"="{4D36E967-E325-11CE-BF01-08002BE10318}\\0006"  
"Mfg"="Compag"  
"FriendlyName"="Compag Disk Array SCSI Disk Device"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SCSI\Disk&Ven_Compag&Prod_Disk_Array&Rev_1.34\4&58cac9a&0&000\Device Parameters]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SCSI\Disk&Ven_Compag&Prod_Disk_Array&Rev_1.34\4&58cac9a&0&000\LogConf]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SCSI\Disk&Ven_Compag&Prod_Disk_Array&Rev_1.34\4&58cac9a&0&000\Control]  
"DeviceReference"=dword:fd6686d0  
"ActiveService"="Disk"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SCSI\Other&Ven_COMPAG&Prod_SCSI_COMMUNICATE&Rev_DA02]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SCSI\Other&Ven_COMPAG&Prod_SCSI_COMMUNICATE&Rev_DA02\4&58cac9a&0&100]  
"DeviceDesc"="Compag Virtual LUN"  
"LocationInformation"="Bus Number 1, Target ID 0, LUN 0"  
"Capabilities"=dword:00000040  
"ConfigFlags"=dword:00000000  
"HardwareID"=hex(7):53,43,53,49,5c,4f,74,68,65,72,43,4f,4d,50,41,51,5f,5f,53,\43,53,49,5f,43,4f,4d,4d,55,4e,49,43,41,54,45,44,41,30,32,00,53,43,53,49,5c,\4f,74,68,65,72,43,4f,4d,50,41,51,5f,5f,53,43,53,49,5f,43,4f,4d,4d,55,4e,49,\43,41,54,45,00,53,43,53,49,5c,4f,74,68,65,72,43,4f,4d,50,41,51,5f,5f,00,53,\43,53,49,5c,43,4f,4d,50,41,51,5f,5f,53,43,53,49,5f,43,4f,4d,4d,55,4e,49,43,\41,54,45,44,00,43,4f,4d,50,41,51,5f,5f,53,43,53,49,5f,43,4f,4d,4d,55,4e,49,\43,41,54,45,44,00,53,63,73,69,4f,74,68,65,72,00,00  
"CompatibleIDs"=hex(7):53,43,53,49,5c,4f,74,68,65,72,00,53,43,53,49,5c,52,41,\57,00,00  
"ClassGUID"="{4D36E97D-E325-11CE-BF01-08002BE10318}"  
"Class"="System"  
"Driver"="{4D36E97D-E325-11CE-BF01-08002BE10318}\\0036"  
"Mfg"="Compag"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SCSI\Other&Ven_COMPAG&Prod_SCSI_COMMUNICATE&Rev_DA02\4&58cac9a&0&100\Device Parameters]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SCSI\Other&Ven_COMPAG&Prod_SCSI_COMMUNICATE&Rev_DA02\4&58cac9a&0&100\LogConf]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SCSI\Other&Ven_COMPAG&Prod_SCSI_COMMUNICATE&Rev_DA02\4&58cac9a&0&100\Control]  
"DeviceReference"=dword:fd664030
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signature149AC694Offset7E00Length77516EE00]  
"Capabilities"=dword:000000e0  
"ConfigFlags"=dword:00000000  
"HardwareID"=hex(7):53,54,4f,52,41,47,45,5c,56,6f,6c,75,6d,65,00,00  
"ClassGUID"="{71A27CDD-812A-11D0-BEC7-08002BE2092F}"  
"Class"="Volume"  
"Driver"="{71A27CDD-812A-11D0-BEC7-08002BE2092F}\\0008"  
"Mfg"="Microsoft"  
"DeviceDesc"="Generic volume"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signature149AC694Offset7E00Length77516EE00\LogConf]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signature149AC694Offset7E00Length77516EE00\Control]  
"DeviceReference"=dword:fd630bb0
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signature149AC695Offset7E00Length38CF2FE00]  
"Capabilities"=dword:000000e0  
"ConfigFlags"=dword:00000000  
"HardwareID"=hex(7):53,54,4f,52,41,47,45,5c,56,6f,6c,75,6d,65,00,00  
"ClassGUID"="{71A27CDD-812A-11D0-BEC7-08002BE2092F}"  
"Class"="Volume"  
"Driver"="{71A27CDD-812A-11D0-BEC7-08002BE2092F}\\0000"  
"Mfg"="Microsoft"  
"DeviceDesc"="Generic volume"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signature149AC695Offset7E00Length38CF2FE00\LogConf]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signature149AC696Offset7E00Length77516EE00]  
"Capabilities"=dword:000000e0  
"ConfigFlags"=dword:00000000  
"HardwareID"=hex(7):53,54,4f,52,41,47,45,5c,56,6f,6c,75,6d,65,00,00  
"ClassGUID"="{71A27CDD-812A-11D0-BEC7-08002BE2092F}"  
"Class"="Volume"  
"Driver"="{71A27CDD-812A-11D0-BEC7-08002BE2092F}\\0009"  
"Mfg"="Microsoft"  
"DeviceDesc"="Generic volume"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signature149AC696Offset7E00Length77516EE00\LogConf]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signature149AC696Offset7E00Length77516EE00\Control]  
"DeviceReference"=dword:fd62d710
```

```

[HKKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signat
ure149AC6970Offset7E00Length38CF2FE00]
"Capabilities"=dword:000000e0
"ConfigFlags"=dword:00000000
"HardwareID"=hex(7):53,54,4f,52,41,47,45,5c,56,6f,6c,75,6d,65,00,00
"ClassGUID"="{71A27CDD-812A-11D0-BEC7-08002BE2092F}"
"Class"="Volume"
"Driver"="{71A27CDD-812A-11D0-BEC7-08002BE2092F}\\0001"
"Mfg"="Microsoft"
"DeviceDesc"="Generic volume"

[HKKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signat
ure149AC6970Offset7E00Length38CF2FE00\LogConf]

[HKKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signat
ure149AC6980Offset7E00Length1DA8BB0000]
"Capabilities"=dword:000000e0
"ConfigFlags"=dword:00000000
"HardwareID"=hex(7):53,54,4f,52,41,47,45,5c,56,6f,6c,75,6d,65,00,00
"ClassGUID"="{71A27CDD-812A-11D0-BEC7-08002BE2092F}"
"Class"="Volume"
"Driver"="{71A27CDD-812A-11D0-BEC7-08002BE2092F}\\0010"
"Mfg"="Microsoft"
"DeviceDesc"="Generic volume"

[HKKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signat
ure149AC6980Offset7E00Length1DA8BB0000\LogConf]

[HKKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signat
ure149AC6990Offset7E00Length77516EE00]
"Capabilities"=dword:000000e0
"ConfigFlags"=dword:00000000
"HardwareID"=hex(7):53,54,4f,52,41,47,45,5c,56,6f,6c,75,6d,65,00,00
"ClassGUID"="{71A27CDD-812A-11D0-BEC7-08002BE2092F}"
"Class"="Volume"
"Driver"="{71A27CDD-812A-11D0-BEC7-08002BE2092F}\\0011"
"Mfg"="Microsoft"
"DeviceDesc"="Generic volume"

[HKKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signat
ure149AC6990Offset7E00Length77516EE00\LogConf]

[HKKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signat
ure149AC6990Offset7E00Length77516EE00\Control]
"DeviceReference"=dword:fd624230

[HKKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signat
ure149AC69A0Offset7E00Length38CF2FE00]
"Capabilities"=dword:000000e0
"ConfigFlags"=dword:00000000
"HardwareID"=hex(7):53,54,4f,52,41,47,45,5c,56,6f,6c,75,6d,65,00,00
"ClassGUID"="{71A27CDD-812A-11D0-BEC7-08002BE2092F}"
"Class"="Volume"
"Driver"="{71A27CDD-812A-11D0-BEC7-08002BE2092F}\\0002"
"Mfg"="Microsoft"
"DeviceDesc"="Generic volume"

[HKKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signat
ure149AC69A0Offset7E00Length38CF2FE00\LogConf]

[HKKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signat
ure149AC69B0Offset7E00Length26FBD48A00]
"Capabilities"=dword:000000e0

```

```

"ConfigFlags"=dword:00000000
"HardwareID"=hex(7):53,54,4f,52,41,47,45,5c,56,6f,6c,75,6d,65,00,00
"ClassGUID"="{71A27CDD-812A-11D0-BEC7-08002BE2092F}"
"Class"="Volume"
"Driver"="{71A27CDD-812A-11D0-BEC7-08002BE2092F}\\0003"
"Mfg"="Microsoft"
"DeviceDesc"="Generic volume"

[HKKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signat
ure149AC69B0Offset7E00Length26FBD48A00\LogConf]

[HKKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signat
ure149AC69C0Offset7E00Length77516EE00]
"Capabilities"=dword:000000e0
"ConfigFlags"=dword:00000000
"HardwareID"=hex(7):53,54,4f,52,41,47,45,5c,56,6f,6c,75,6d,65,00,00
"ClassGUID"="{71A27CDD-812A-11D0-BEC7-08002BE2092F}"
"Class"="Volume"
"Driver"="{71A27CDD-812A-11D0-BEC7-08002BE2092F}\\0012"
"Mfg"="Microsoft"
"DeviceDesc"="Generic volume"

[HKKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signat
ure149AC69C0Offset7E00Length77516EE00\LogConf]

[HKKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signat
ure149AC69C0Offset7E00Length77516EE00\Control]
"DeviceReference"=dword:fd6219f0

[HKKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signat
ure149AC69D0Offset7E00Length38CF2FE00]
"Capabilities"=dword:000000e0
"ConfigFlags"=dword:00000000
"HardwareID"=hex(7):53,54,4f,52,41,47,45,5c,56,6f,6c,75,6d,65,00,00
"ClassGUID"="{71A27CDD-812A-11D0-BEC7-08002BE2092F}"
"Class"="Volume"
"Driver"="{71A27CDD-812A-11D0-BEC7-08002BE2092F}\\0004"
"Mfg"="Microsoft"
"DeviceDesc"="Generic volume"

[HKKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signat
ure149AC69D0Offset7E00Length38CF2FE00\LogConf]

[HKKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signat
ure149AC69E0Offset7E00Length26FBD48A00]
"Capabilities"=dword:000000e0
"ConfigFlags"=dword:00000000
"HardwareID"=hex(7):53,54,4f,52,41,47,45,5c,56,6f,6c,75,6d,65,00,00
"ClassGUID"="{71A27CDD-812A-11D0-BEC7-08002BE2092F}"
"Class"="Volume"
"Driver"="{71A27CDD-812A-11D0-BEC7-08002BE2092F}\\0005"
"Mfg"="Microsoft"
"DeviceDesc"="Generic volume"

[HKKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signat
ure149AC69E0Offset7E00Length26FBD48A00\LogConf]

[HKKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signat
ure5F57012COffset7E00Length619FB600]
"Capabilities"=dword:000000e0
"ConfigFlags"=dword:00000000
"HardwareID"=hex(7):53,54,4f,52,41,47,45,5c,56,6f,6c,75,6d,65,00,00
"ClassGUID"="{71A27CDD-812A-11D0-BEC7-08002BE2092F}"

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"Class"="Volume"
"Driver"="{71A27CDD-812A-11D0-BEC7-08002BE2092F}\\0014"
"Mfg"="Microsoft"
"DeviceDesc"="Generic volume"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signature5F57012COffset7E00Length619FB6600\LogConf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signature5F57012COffset7E00Length619FB6600\Control]
"DeviceReference"=dword:fd6305b0

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signature5F57012DOffset7E00Length619FB6600]
"Capabilities"=dword:000000e0
"ConfigFlags"=dword:00000000
"HardwareID"=hex(7):53,54,4f,52,41,47,45,5c,56,6f,6c,75,6d,65,00,00
"ClassGUID"="{71A27CDD-812A-11D0-BEC7-08002BE2092F}"
"Class"="Volume"
"Driver"="{71A27CDD-812A-11D0-BEC7-08002BE2092F}\\0015"
"Mfg"="Microsoft"
"DeviceDesc"="Generic volume"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signature5F57012DOffset7E00Length619FB6600\LogConf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signature5F57012DOffset7E00Length619FB6600\Control]
"DeviceReference"=dword:fd62a1b0

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signature5F57012EOffset7E00Length1DACA71000]
"Capabilities"=dword:000000e0
"ConfigFlags"=dword:00000000
"HardwareID"=hex(7):53,54,4f,52,41,47,45,5c,56,6f,6c,75,6d,65,00,00
"ClassGUID"="{71A27CDD-812A-11D0-BEC7-08002BE2092F}"
"Class"="Volume"
"Driver"="{71A27CDD-812A-11D0-BEC7-08002BE2092F}\\0013"
"Mfg"="Microsoft"
"DeviceDesc"="Generic volume"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signature5F57012EOffset7E00Length1DACA71000\LogConf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signature5F57012FOffset7E00Length619FB6600]
"Capabilities"=dword:000000e0
"ConfigFlags"=dword:00000000
"HardwareID"=hex(7):53,54,4f,52,41,47,45,5c,56,6f,6c,75,6d,65,00,00
"ClassGUID"="{71A27CDD-812A-11D0-BEC7-08002BE2092F}"
"Class"="Volume"
"Driver"="{71A27CDD-812A-11D0-BEC7-08002BE2092F}\\0017"
"Mfg"="Microsoft"
"DeviceDesc"="Generic volume"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signature5F57012FOffset7E00Length619FB6600\LogConf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signature5F57012FOffset7E00Length619FB6600\Control]
"DeviceReference"=dword:fd624950

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signature5F570130Offset7E00Length25B5505600]
"Capabilities"=dword:000000e0
"ConfigFlags"=dword:00000000
"HardwareID"=hex(7):53,54,4f,52,41,47,45,5c,56,6f,6c,75,6d,65,00,00
"ClassGUID"="{71A27CDD-812A-11D0-BEC7-08002BE2092F}"
"Class"="Volume"
"Driver"="{71A27CDD-812A-11D0-BEC7-08002BE2092F}\\0016"
"Mfg"="Microsoft"
"DeviceDesc"="Generic volume"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signature5F570130Offset7E00Length25B5505600\LogConf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signature5F570130Offset7E00Length25B5505600\Control]
"DeviceReference"=dword:fd621210

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signature5F570131Offset7E00Length619FB6600]
"Capabilities"=dword:000000e0
"ConfigFlags"=dword:00000000
"HardwareID"=hex(7):53,54,4f,52,41,47,45,5c,56,6f,6c,75,6d,65,00,00
"ClassGUID"="{71A27CDD-812A-11D0-BEC7-08002BE2092F}"
"Class"="Volume"
"Driver"="{71A27CDD-812A-11D0-BEC7-08002BE2092F}\\0018"
"Mfg"="Microsoft"
"DeviceDesc"="Generic volume"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signature5F570131Offset7E00Length619FB6600\LogConf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signature5F570131Offset7E00Length619FB6600\Control]
"DeviceReference"=dword:fd61e2d0

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signature5F570132Offset7E00Length25B5505600]
"Capabilities"=dword:000000e0
"ConfigFlags"=dword:00000000
"HardwareID"=hex(7):53,54,4f,52,41,47,45,5c,56,6f,6c,75,6d,65,00,00
"ClassGUID"="{71A27CDD-812A-11D0-BEC7-08002BE2092F}"
"Class"="Volume"
"Driver"="{71A27CDD-812A-11D0-BEC7-08002BE2092F}\\0019"
"Mfg"="Microsoft"
"DeviceDesc"="Generic volume"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signature5F570132Offset7E00Length25B5505600\LogConf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signature5F570132Offset7E00Length25B5505600\Control]
"DeviceReference"=dword:fd61ea70

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signature629D485EOffset7E00Length25B5505600]
"Capabilities"=dword:000000e0
"ConfigFlags"=dword:00000000
"HardwareID"=hex(7):53,54,4f,52,41,47,45,5c,56,6f,6c,75,6d,65,00,00
"ClassGUID"="{71A27CDD-812A-11D0-BEC7-08002BE2092F}"
"Class"="Volume"
"Driver"="{71A27CDD-812A-11D0-BEC7-08002BE2092F}\\0020"
"Mfg"="Microsoft"

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"DeviceDesc"="Generic volume"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signature629D485EOffset7E00Length25B5505600\LogConf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signature629D485EOffset7E00Length25B5505600\Control]
"DeviceReference"=dword:fd62dc90

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signature629D485FOffset7E00Length25B5505600]
"Capabilities"=dword:000000e0
"ConfigFlags"=dword:00000000
"HardwareID"=hex(7):53,54,4f,52,41,47,45,5c,56,6f,6c,75,6d,65,00,00
"ClassGUID"="{71A27CDD-812A-11D0-BEC7-08002BE2092F}"
"Class"="Volume"
"Driver"="{71A27CDD-812A-11D0-BEC7-08002BE2092F}\\0021"
"Mfg"="Microsoft"
"DeviceDesc"="Generic volume"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signature629D485FOffset7E00Length25B5505600\LogConf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signature629D485FOffset7E00Length25B5505600\Control]
"DeviceReference"=dword:fd62a7b0

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signature679CEB94Offset7E00Length21DBDA400]
"Capabilities"=dword:000000e0
"ConfigFlags"=dword:00000000
"HardwareID"=hex(7):53,54,4f,52,41,47,45,5c,56,6f,6c,75,6d,65,00,00
"ClassGUID"="{71A27CDD-812A-11D0-BEC7-08002BE2092F}"
"Class"="Volume"
"Driver"="{71A27CDD-812A-11D0-BEC7-08002BE2092F}\\0022"
"Mfg"="Microsoft"
"DeviceDesc"="Generic volume"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signature679CEB94Offset7E00Length21DBDA400\LogConf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signature679CEB94Offset7E00Length21DBDA400\Control]
"DeviceReference"=dword:fd6278b0

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signature707ACFA5Offset7E00Length10F4CDAE00]
"Capabilities"=dword:000000e0
"ConfigFlags"=dword:00000000
"HardwareID"=hex(7):53,54,4f,52,41,47,45,5c,56,6f,6c,75,6d,65,00,00
"ClassGUID"="{71A27CDD-812A-11D0-BEC7-08002BE2092F}"
"Class"="Volume"
"Driver"="{71A27CDD-812A-11D0-BEC7-08002BE2092F}\\0023"
"Mfg"="Microsoft"
"DeviceDesc"="Generic volume"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signature707ACFA5Offset7E00Length10F4CDAE00\LogConf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signature707ACFA5Offset7E00Length10F4CDAE00\Control]
"DeviceReference"=dword:fd627130

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signature7739614AOffset23DC00Length21B628000]
"Capabilities"=dword:000000e0
"ConfigFlags"=dword:00000000
"HardwareID"=hex(7):53,54,4f,52,41,47,45,5c,56,6f,6c,75,6d,65,00,00
"ClassGUID"="{71A27CDD-812A-11D0-BEC7-08002BE2092F}"
"Class"="Volume"
"Driver"="{71A27CDD-812A-11D0-BEC7-08002BE2092F}\\0006"
"Mfg"="Microsoft"
"DeviceDesc"="Generic volume"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signature7739614AOffset23DC00Length21B628000\LogConf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signature7739614AOffset23DC00Length21B628000\Control]
"DeviceReference"=dword:fd60e030

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signature7739614AOffset4000Length23D8000]
"Capabilities"=dword:000000e0
"ConfigFlags"=dword:00000000
"HardwareID"=hex(7):53,54,4f,52,41,47,45,5c,56,6f,6c,75,6d,65,00,00
"ClassGUID"="{71A27CDD-812A-11D0-BEC7-08002BE2092F}"
"Class"="Volume"
"Driver"="{71A27CDD-812A-11D0-BEC7-08002BE2092F}\\0007"
"Mfg"="Microsoft"
"DeviceDesc"="Generic volume"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signature7739614AOffset4000Length23D8000\LogConf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\STORAGE\Volume\1&30a96598&0&Signature7739614AOffset4000Length23D8000\Control]
"DeviceReference"=dword:fd611c70

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SW]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SW\{96e080c7-143c-11d1-b40f-00a0c9223196}]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SW\{96e080c7-143c-11d1-b40f-00a0c9223196}\{3C0D501A-140B-11D1-B40F-00A0C9223196}]
"Capabilities"=dword:000000b0
"UINumber"=dword:00000000
"HardwareID"=hex(7):53,57,5c,7b,39,36,65,30,38,30,63,37,2d,31,34,33,63,2d,31,31,64,31,2d,62,34,30,66,2d,30,30,61,30,63,39,32,32,33,31,39,36,7d,00,00
"ClassGUID"="{4D36E96C-E325-11CE-BFC1-08002BE10318}"
"Class"="MEDIA"
"Driver"="{4D36E96C-E325-11CE-BFC1-08002BE10318}\\0007"
"Mfg"="Microsoft"
"Service"="MSKSSRV"
"DeviceDesc"="Microsoft Streaming Service Proxy"
"ConfigFlags"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SW\{96e080c7-143c-11d1-b40f-00a0c9223196}\{3C0D501A-140B-11D1-B40F-00A0C9223196}\LogConf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SW\{97ebaacc-95bd-11d0-a3ea-00a0c9223196}]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SW\{97ebaacc-95bd-11d0-a3ea-00a0c9223196}\{53172480-4791-11D0-A5D6-28DB04C10000}]

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"Capabilities"=dword:000000b0
"UINumber"=dword:00000000
"HardwareID"=hex(7):53,57,5c,7b,39,37,65,62,61,61,63,63,2d,39,35,62,64,2d,31,\
31,64,30,2d,61,33,65,61,2d,30,30,61,30,63,39,32,32,33,31,39,36,7d,00,00
"ClassGUID"="{4D36E96C-E325-11CE-BF11-08002BE10318}"
"Class"="MEDIA"
"Driver"="{4D36E96C-E325-11CE-BF11-08002BE10318}\\0005"
"Mfg"="Microsoft"
"Service"="MSPCLOCK"
"DeviceDesc"="Microsoft Streaming Clock Proxy"
"ConfigFlags"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SW\{97ebaacc-95bd-11d0-a3ea-00a0c9223196}\{53172480-4791-11D0-A5D6-28DB04C10000}\LogConf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SW\{c68127b1-9bea-11d0-8fa5-00c04fc324c1}]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SW\{c68127b1-9bea-11d0-8fa5-00c04fc324c1}\{085AFF00-62CE-11CF-A5D6-28DB04C10000}]
"Capabilities"=dword:000000b0
"UINumber"=dword:00000000
"HardwareID"=hex(7):53,57,5c,7b,63,36,38,31,32,37,62,31,2d,39,62,65,61,2d,31,\
31,64,30,2d,38,66,61,35,2d,30,30,63,30,34,66,63,33,32,34,63,31,7d,00,00
"ClassGUID"="{4D36E96C-E325-11CE-BF11-08002BE10318}"
"Class"="MEDIA"
"Driver"="{4D36E96C-E325-11CE-BF11-08002BE10318}\\0010"
"Mfg"="Microsoft"
"Service"="RCA"
"DeviceDesc"="Microsoft Streaming Network Raw Channel Access"
"ConfigFlags"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SW\{c68127b1-9bea-11d0-8fa5-00c04fc324c1}\{085AFF00-62CE-11CF-A5D6-28DB04C10000}\LogConf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SW\{c68127b1-9bea-11d0-8fa5-00c04fc324c1}\{65E8773D-8F56-11D0-A3B9-00A0C9223196}]
"Capabilities"=dword:000000b0
"UINumber"=dword:00000000
"HardwareID"=hex(7):53,57,5c,7b,63,36,38,31,32,37,62,31,2d,39,62,65,61,2d,31,\
31,64,30,2d,38,66,61,35,2d,30,30,63,30,34,66,63,33,32,34,63,31,7d,00,00
"ClassGUID"="{4D36E96C-E325-11CE-BF11-08002BE10318}"
"Class"="MEDIA"
"Driver"="{4D36E96C-E325-11CE-BF11-08002BE10318}\\0008"
"Mfg"="Microsoft"
"Service"="RCA"
"DeviceDesc"="Microsoft Streaming Network Raw Channel Access"
"ConfigFlags"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SW\{c68127b1-9bea-11d0-8fa5-00c04fc324c1}\{65E8773D-8F56-11D0-A3B9-00A0C9223196}\LogConf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SW\{c68127b1-9bea-11d0-8fa5-00c04fc324c1}\{65E8773E-8F56-11D0-A3B9-00A0C9223196}]
"Capabilities"=dword:000000b0
"UINumber"=dword:00000000
"HardwareID"=hex(7):53,57,5c,7b,63,36,38,31,32,37,62,31,2d,39,62,65,61,2d,31,\
31,64,30,2d,38,66,61,35,2d,30,30,63,30,34,66,63,33,32,34,63,31,7d,00,00
"ClassGUID"="{4D36E96C-E325-11CE-BF11-08002BE10318}"
"Class"="MEDIA"
"Driver"="{4D36E96C-E325-11CE-BF11-08002BE10318}\\0009"
"Mfg"="Microsoft"
"Service"="RCA"

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"DeviceDesc"="Microsoft Streaming Network Raw Channel Access"
"ConfigFlags"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SW\{c68127b1-9bea-11d0-8fa5-00c04fc324c1}\{65E8773E-8F56-11D0-A3B9-00A0C9223196}\LogConf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SW\{ddf4358e-bb2c-11d0-a42f-00a0c9223196}]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SW\{ddf4358e-bb2c-11d0-a42f-00a0c9223196}\{97EBAACB-95BD-11D0-A3EA-00A0C9223196}]
"Capabilities"=dword:000000b0
"UINumber"=dword:00000000
"HardwareID"=hex(7):53,57,5c,7b,64,64,66,34,33,35,38,65,2d,62,62,32,63,2d,31,\
31,64,30,2d,61,34,32,66,2d,30,30,61,30,63,39,32,32,33,31,39,36,7d,00,00
"ClassGUID"="{4D36E96C-E325-11CE-BF11-08002BE10318}"
"Class"="MEDIA"
"Driver"="{4D36E96C-E325-11CE-BF11-08002BE10318}\\0006"
"Mfg"="Microsoft"
"Service"="MSPQM"
"DeviceDesc"="Microsoft Streaming Quality Manager Proxy"
"ConfigFlags"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SW\{ddf4358e-bb2c-11d0-a42f-00a0c9223196}\{97EBAACB-95BD-11D0-A3EA-00A0C9223196}\LogConf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SW\{eeab7790-c514-11d1-b42b-00805fc1270e}]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SW\{eeab7790-c514-11d1-b42b-00805fc1270e}\asynccmac}
"Capabilities"=dword:000000b0
"UINumber"=dword:00000000
"HardwareID"=hex(7):53,57,5c,7b,65,65,61,62,37,37,39,30,2d,63,35,31,34,2d,31,\
31,64,31,2d,62,34,32,62,2d,30,30,38,30,35,66,63,31,32,37,30,65,7d,00,00
"ClassGUID"="{4D36E972-E325-11CE-BF11-08002BE10318}"
"Class"="Net"
"Driver"="{4D36E972-E325-11CE-BF11-08002BE10318}\\0004"
"Mfg"="Microsoft"
"Service"="AsyncMac"
"DeviceDesc"="RAS Async Adapter"
"ConfigFlags"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SW\{eeab7790-c514-11d1-b42b-00805fc1270e}\asynccmac\Device Parameters}
"InstanceIndex"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\SW\{eeab7790-c514-11d1-b42b-00805fc1270e}\asynccmac\LogConf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware Profiles]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware Profiles\0000]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware Profiles\0000\Software]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware Profiles\0000\System]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware Profiles\0001]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware Profiles\0001\Software]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware Profiles\0001\Software\Fonts]

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"FIXEDFON.FON"="vgafix.fon"
"FONT.S.FON"="vgasys.fon"
"OEMFONT.FON"="vgaem.fon"
"LogPixels"=dword:00000060

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\0001\Software\Microsoft]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\0001\Software\Microsoft\windows]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\0001\Software\Microsoft\windows\CurrentVersion]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\0001\Software\Microsoft\windows\CurrentVersion\Internet Settings]
"ProxyEnable"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware Profiles\0001\System]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\0001\System\CurrentControlSet]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\0001\System\CurrentControlSet\Control]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\0001\System\CurrentControlSet\Control\Print]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\0001\System\CurrentControlSet\Control\Printers]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\0001\System\CurrentControlSet\Enum]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\0001\System\CurrentControlSet\Enum\PCI]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\0001\System\CurrentControlSet\Enum\PCI\VEN_10E4&DEV_0005&SUBSYS_000010E4&RE
V_00]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\0001\System\CurrentControlSet\Enum\PCI\VEN_10E4&DEV_0005&SUBSYS_000010E4&RE
V_00\3&1070020&0&08]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\0001\System\CurrentControlSet\Enum\PCI\VEN_8086&DEV_1229&SUBSYS_B0DD0E11&RE
V_05]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\0001\System\CurrentControlSet\Enum\PCI\VEN_8086&DEV_1229&SUBSYS_B0DD0E11&RE
V_05\4&156FC437&0&2008]
"CSConfigFlags"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\0001\System\CurrentControlSet\Enum\PCI\VEN_8086&DEV_1229&SUBSYS_B0DD0E11&RE
V_05\4&156FC437&0&2808]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\0001\System\CurrentControlSet\Enum\PCI\VEN_8086&DEV_1229&SUBSYS_B0DD0E11&RE
V_05\4&17622F0D&0&2010]
"CSConfigFlags"=dword:00000001

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\0001\System\CurrentControlSet\Enum\PCI\VEN_8086&DEV_1229&SUBSYS_B0DD0E11&RE
V_05\4&17622F0D&0&2810]
"CSConfigFlags"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\0001\System\CurrentControlSet\Enum\ROOT]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\0001\System\CurrentControlSet\Enum\ROOT\CQ_SNNDIS]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\0001\System\CurrentControlSet\Enum\ROOT\CQ_SNNDIS\0000]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\0001\System\CurrentControlSet\Enum\ROOT\MS_L2TPMINIPORT]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\0001\System\CurrentControlSet\Enum\ROOT\MS_L2TPMINIPORT\0000]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\0001\System\CurrentControlSet\Enum\ROOT\MS_NDISWANIP]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\0001\System\CurrentControlSet\Enum\ROOT\MS_NDISWANIP\0000]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\0001\System\CurrentControlSet\Enum\ROOT\MS_PPTMINIPORT]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\0001\System\CurrentControlSet\Enum\ROOT\MS_PPTMINIPORT\0000]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\0001\System\CurrentControlSet\Enum\ROOT\MS_PTMINIPORT]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\0001\System\CurrentControlSet\Enum\ROOT\MS_PTMINIPORT\0000]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\0001\System\CurrentControlSet\Enum\SW]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\0001\System\CurrentControlSet\Enum\SW\{EEAB7790-C514-11D1-B42B-
00805FC1270E}]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\0001\System\CurrentControlSet\Enum\SW\{EEAB7790-C514-11D1-B42B-
00805FC1270E}\ASYNCMAC]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\0001\System\CurrentControlSet\SERVICES]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\0001\System\CurrentControlSet\SERVICES\ATIRAGE]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\0001\System\CurrentControlSet\SERVICES\ATIRAGE\DEVICE0]
"Attach.ToDesktop"=dword:00000001
"DefaultSettings.BitsPerPel"=dword:00000010
"DefaultSettings.XResolution"=dword:00000400
"DefaultSettings.YResolution"=dword:00000300
"DefaultSettings.VRefresh"=dword:0000003c

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"DefaultSettings.Flags"=dword:00000000
"DefaultSettings.XPanning"=dword:00000000
"DefaultSettings.YPanning"=dword:00000000
"Attach.RelativeX"=dword:00000000
"Attach.RelativeY"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\0001\System\CurrentControlSet\SERVICES\ATIRAGE\DEVICE0\Mon80000000]
"Attach.ToDesktop"=dword:00000001
"DefaultSettings.BitsPerPel"=dword:00000010
"DefaultSettings.XResolution"=dword:00000400
"DefaultSettings.YResolution"=dword:00000300
"DefaultSettings.VRefresh"=dword:0000003c
"DefaultSettings.Flags"=dword:00000000
"DefaultSettings.XPanning"=dword:00000000
"DefaultSettings.YPanning"=dword:00000000
"Attach.RelativeX"=dword:00000000
"Attach.RelativeY"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware Profiles\Current]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware Profiles\Current\Software]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\Current\Software\Fon]
"FIXEDFON.FON"="vgafix.fon"
"FONT.SON"="vgasys.fon"
"OEMFONT.FON"="vgaom.fon"
"LogPixels"=dword:00000060

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\Current\Software\Microsoft]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\Current\Software\Microsoft\windows]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\Current\Software\Microsoft\windows\CurrentVersion]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\Current\Software\Microsoft\windows\CurrentVersion\Internet Settings]
"ProxyEnable"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware Profiles\Current\System]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\Current\System\CurrentControlSet]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\Current\System\CurrentControlSet\Control]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\Current\System\CurrentControlSet\Control\Print]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\Current\System\CurrentControlSet\Control\Print\Printers]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\Current\System\CurrentControlSet\Enum]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\Current\System\CurrentControlSet\Enum\PCI]

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\Current\System\CurrentControlSet\Enum\PCI\VEN_10E4&DEV_0005&SUBSYS_000010E4
&REV_00]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\Current\System\CurrentControlSet\Enum\PCI\VEN_10E4&DEV_0005&SUBSYS_000010E4
&REV_00\3&1070020&0&08]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\Current\System\CurrentControlSet\Enum\PCI\VEN_8086&DEV_1229&SUBSYS_B0DD0E11
&REV_05]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\Current\System\CurrentControlSet\Enum\PCI\VEN_8086&DEV_1229&SUBSYS_B0DD0E11
&REV_05\4&156FC437&0&2008]
"CSConfigFlags"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\Current\System\CurrentControlSet\Enum\PCI\VEN_8086&DEV_1229&SUBSYS_B0DD0E11
&REV_05\4&156FC437&0&2808]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\Current\System\CurrentControlSet\Enum\PCI\VEN_8086&DEV_1229&SUBSYS_B0DD0E11
&REV_05\4&17622F0D&0&2010]
"CSConfigFlags"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\Current\System\CurrentControlSet\Enum\PCI\VEN_8086&DEV_1229&SUBSYS_B0DD0E11
&REV_05\4&17622F0D&0&2810]
"CSConfigFlags"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\Current\System\CurrentControlSet\Enum\ROOT]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\Current\System\CurrentControlSet\Enum\ROOT\CQ_SNNDIS]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\Current\System\CurrentControlSet\Enum\ROOT\CQ_SNNDIS\0000]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\Current\System\CurrentControlSet\Enum\ROOT\MS_L2TPMINIPORT]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\Current\System\CurrentControlSet\Enum\ROOT\MS_L2TPMINIPORT\0000]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\Current\System\CurrentControlSet\Enum\ROOT\MS_NDISWANIP]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\Current\System\CurrentControlSet\Enum\ROOT\MS_NDISWANIP\0000]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\Current\System\CurrentControlSet\Enum\ROOT\MS_PPTPMINIPORT]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\Current\System\CurrentControlSet\Enum\ROOT\MS_PPTPMINIPORT\0000]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\Current\System\CurrentControlSet\Enum\ROOT\MS_PTMINIPORT]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\Current\System\CurrentControlSet\Enum\ROOT\MS_PTMINIPORT\0000]

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\Current\System\CurrentControlSet\Enum\SW]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\Current\System\CurrentControlSet\Enum\SW\{EEAB7790-C514-11D1-B42B-
00805FC1270E}]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\Current\System\CurrentControlSet\Enum\SW\{EEAB7790-C514-11D1-B42B-
00805FC1270E}\ASYNCMAC]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\Current\System\CurrentControlSet\SERVICES]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\Current\System\CurrentControlSet\SERVICES\ATIRAGE]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\Current\System\CurrentControlSet\SERVICES\ATIRAGE\DEVICE0]
"Attach.ToDesktop"=dword:00000001
"DefaultSettings.BitsPerPel"=dword:00000010
"DefaultSettings.XResolution"=dword:00000400
"DefaultSettings.YResolution"=dword:00000300
"DefaultSettings.VRefresh"=dword:0000003c
"DefaultSettings.Flags"=dword:00000000
"DefaultSettings.XPanning"=dword:00000000
"DefaultSettings.YPanning"=dword:00000000
"Attach.RelativeX"=dword:00000000
"Attach.RelativeY"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware
Profiles\Current\System\CurrentControlSet\SERVICES\ATIRAGE\DEVICE0\Mon80000000]
"Attach.ToDesktop"=dword:00000001
"DefaultSettings.BitsPerPel"=dword:00000010
"DefaultSettings.XResolution"=dword:00000400
"DefaultSettings.YResolution"=dword:00000300
"DefaultSettings.VRefresh"=dword:0000003c
"DefaultSettings.Flags"=dword:00000000
"DefaultSettings.XPanning"=dword:00000000
"DefaultSettings.YPanning"=dword:00000000
"Attach.RelativeX"=dword:00000000
"Attach.RelativeY"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Abiosdsk]
"ErrorControl"=dword:00000000
"Group"="Primary disk"
"Start"=dword:00000004
"Tag"=dword:00000003
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\abp480n5]
"ErrorControl"=dword:00000001
"Group"="SCSI miniport"
"Start"=dword:00000004
"Tag"=dword:00000038
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\abp480n5\Parameters]
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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\abp480n5\Parameters\PnpInterfa
ce]
"5"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\ACPI]
"ErrorControl"=dword:00000001
"Group"="Boot Bus Extender"
"Start"=dword:00000000
"Tag"=dword:00000001
"Type"=dword:00000001
"DisplayName"="Microsoft ACPI Driver"
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,44,52,49,56,45,52,53,5c,41,43,50,\
49,2e,73,79,73,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\ACPI\Enum]
"0"="ACPI_HAL\PNP0C08\0"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\ACPIEC]
"ErrorControl"=dword:00000001
"Group"="Boot Bus Extender"
"Start"=dword:00000004
"Tag"=dword:00000005
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\adpu160m]
"ErrorControl"=dword:00000001
"Group"="SCSI miniport"
"Start"=dword:00000004
"Tag"=dword:0000003c
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\adpu160m\Parameters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\adpu160m\Parameters\PnpInterfa
ce]
"5"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\AFD]
"Type"=dword:00000001
"Start"=dword:00000002
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):5c,53,79,73,74,65,6d,52,6f,6f,74,5c,53,79,73,74,65,6d,33,32,\
5c,64,72,69,76,65,72,73,5c,61,66,64,2e,73,79,73,00
"DisplayName"="AFD Networking Support Environment"
"Group"="TDI"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\AFD\Security]
"Security"=hex:01,00,14,80,a0,00,00,00,ac,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,00,01,00,00,\
00,00,02,00,70,00,04,00,00,00,00,00,18,00,fd,01,02,00,01,01,00,00,00,00,\
05,12,00,00,00,20,02,00,00,00,00,1c,00,ff,01,0f,00,01,02,00,00,00,00,00,05,\
20,00,00,00,20,02,00,00,00,00,00,00,00,00,18,00,8d,01,02,00,01,01,00,00,00,\
00,00,05,0b,00,00,00,20,02,00,00,00,00,1c,00,fd,01,02,00,01,02,00,00,00,\
00,05,20,00,00,00,23,02,00,00,00,00,00,01,01,00,00,00,00,00,05,12,00,00,\
00,01,01,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\AFD\Enum]
"0"="Root\LEGACY_AFD\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001
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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Aha154x]
"ErrorControl"=dword:00000001
"Group"="SCSI miniport"
"Start"=dword:00000004
"Tag"=dword:00000006
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Aha154x\Parameters]
"LegacyAdapterDetection"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Aha154x\Parameters\PnpInterface]
"1"=dword:00000001
"3"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\aic116x]
"ErrorControl"=dword:00000001
"Group"="SCSI miniport"
"Start"=dword:00000004
"Tag"=dword:00000033
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\aic116x\Parameters]
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\aic116x\Parameters\PnpInterface]
"5"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\aic78u2]
"ErrorControl"=dword:00000001
"Group"="SCSI miniport"
"Start"=dword:00000004
"Tag"=dword:00000034
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\aic78u2\Parameters]
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\aic78u2\Parameters\PnpInterface]
"5"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\aic78xx]
"ErrorControl"=dword:00000001
"Group"="SCSI miniport"
"Start"=dword:00000004
"Tag"=dword:0000001e
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\aic78xx\Parameters]
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\aic78xx\Parameters\PnpInterface]
"5"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Alerter]
"Type"=dword:00000020
"Start"=dword:00000002
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,\
32,5c,73,65,72,76,69,63,65,73,2e,65,78,65,00
"DisplayName"="Alerter"
"DependOnService"=hex(7):4c,61,6e,6d,61,6e,57,6f,72,6b,73,74,61,74,69,6f,6e,00,\
00

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"DependOnGroup"=hex(7):00
"ObjectName"="LocalSystem"
"Description"="Notifies selected users and computers of administrative alerts."

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Alerter\Parameters]
"AlertNames"=hex(7):00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Alerter\Security]
"Security"=hex:01,00,14,80,a8,00,00,00,b4,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,78,00,05,00,00,00,00,00,14,00,8d,01,02,00,01,01,00,00,00,00,\
05,0b,00,00,00,00,18,00,9d,01,02,00,01,02,00,00,00,00,05,20,00,00,00,\
23,02,00,00,00,00,18,00,ff,01,0f,00,01,02,00,00,00,00,05,20,00,00,00,20,\
02,00,00,00,00,18,00,ff,01,0f,00,01,02,00,00,00,00,05,20,00,00,00,25,02,\
00,00,00,00,14,00,fd,01,02,00,01,01,00,00,00,00,05,12,00,00,00,01,01,00,\
00,00,00,00,05,12,00,00,00,01,01,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Alerter\Enum]
"0"="Root\LEGACY_ALERTER\0000"
"Count"=dword:00000001
"Next Instance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\ami0nt]
"ErrorControl"=dword:00000001
"Group"="SCSI miniport"
"Start"=dword:00000004
"Tag"=dword:0000000d
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\amsint]
"ErrorControl"=dword:00000001
"Group"="SCSI miniport"
"Start"=dword:00000004
"Tag"=dword:00000024
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\amsint\Parameters]
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\amsint\Parameters\PnpInterface]
"5"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\AppMgmt]
"Description"="Provides software installation services such as Assign, Publish, and Remove."
"DisplayName"="Application Management"
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,73,79,73,74,65,6d,33,\
32,5c,73,65,72,76,69,63,65,73,2e,65,78,65,00
"ObjectName"="LocalSystem"
"Start"=dword:00000003
"Type"=dword:00000020

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\AppMgmt\Security]
"Security"=hex:01,00,14,80,a8,00,00,00,b4,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,78,00,05,00,00,00,00,03,14,00,8d,00,02,00,01,01,00,00,00,00,\
01,00,00,00,00,03,18,00,ff,01,0f,00,01,02,00,00,00,00,00,05,20,00,00,00,\
20,02,00,00,00,03,18,00,8d,00,02,00,01,02,00,00,00,00,00,05,20,00,00,00,23,\
02,00,00,00,03,14,00,9d,00,00,01,01,00,00,00,00,05,04,00,00,00,00,03,\
18,00,9d,00,00,00,01,02,00,00,00,00,00,05,20,00,00,00,21,02,00,00,01,01,00,\
00,00,00,00,05,12,00,00,00,01,01,00,00,00,00,00,05,12,00,00,00

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\AppMgmt\Enum]
"0"="Root\LEGACY_APPMGMT\0000"
"Count"=dword:0000001
"NextInstance"=dword:0000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\asc]
"ErrorControl"=dword:0000001
"Group"="SCSI miniport"
"Start"=dword:0000004
"Tag"=dword:00000029
"Type"=dword:0000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\asc\Parameters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\asc\Parameters\PnpInterface]
"5"=dword:0000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\asc3350p]
"ErrorControl"=dword:0000001
"Group"="SCSI miniport"
"Start"=dword:0000004
"Tag"=dword:00000039
"Type"=dword:0000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\asc3350p\Parameters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\asc3350p\Parameters\PnpInterfa
ce]
"1"=dword:00000011

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\asc3550]
"ErrorControl"=dword:0000001
"Group"="SCSI miniport"
"Start"=dword:0000004
"Tag"=dword:0000002a
"Type"=dword:0000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\asc3550\Parameters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\asc3550\Parameters\PnpInterfac
e]
"5"=dword:0000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\AsyncMac]
"Type"=dword:0000001
"Start"=dword:0000003
"ErrorControl"=dword:0000001
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,44,52,49,56,45,52,53,5c,61,73,79,\
6e,63,6d,61,63,2e,73,79,73,00
"DisplayName"="RAS Asynchronous Media Driver"
"Description"="RAS Asynchronous Media Driver"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\AsyncMac\Security]
"Security"=hex:01,00,14,80,a0,00,00,00,ac,00,00,00,14,00,00,00,30,00,00,02,\
00,1c,00,01,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,02,00,70,00,04,00,00,00,00,18,00,fd,01,02,00,01,01,00,00,00,00,\
05,12,00,00,00,74,00,6c,00,00,00,1c,00,ff,01,0f,00,01,02,00,00,00,05,\
20,00,00,00,20,02,00,00,00,00,00,00,00,18,00,8d,01,02,00,01,01,00,00,\
00,00,05,0b,00,00,00,20,02,00,00,00,00,1c,00,fd,01,02,00,01,02,00,00,\
00,05,20,00,00,00,23,02,00,00,00,00,00,01,01,00,00,00,00,05,12,00,00,\
00,01,01,00,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\atapi]

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"ErrorControl"=dword:0000001
"Group"="SCSI miniport"
"Start"=dword:00000000
"Tag"=dword:00000019
"Type"=dword:0000001
"DisplayName"="Standard IDE/ESDI Hard Disk Controller"
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,44,52,49,56,45,52,53,5c,61,74,61,\
70,69,2e,73,79,73,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\atapi\Parameters]
"LegacyDetection"=dword:0000001
"GhostSlave"=hex(7):53,75,6e,44,69,73,6b,20,00,00
"UseCheckPowerForFlush"=hex(7):53,41,4d,53,55,4e,47,20,57,4e,52,2d,33,31,36,30,\
31,41,20,28,31,36,30,30,4d,42,29,20,20,20,20,20,20,20,20,20,20,20,20,00,\
53,41,4d,53,55,4e,47,20,57,4e,52,2d,33,31,36,30,31,41,20,28,31,2e,36,47,42,\
29,20,20,20,20,20,20,20,20,20,20,20,20,20,20,00,49,42,4d,2d,44,54,43,41,2d,\
32,34,30,39,30,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,\
20,20,20,20,20,54,43,36,4f,41,41,32,41,00,49,42,4d,2d,44,54,43,41,2d,32,\
34,30,39,30,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,\
20,20,20,20,20,54,43,36,49,41,41,32,41,00,49,42,4d,2d,44,50,4c,41,2d,32,35,\
31,32,30,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,\
20,20,20,20,50,4c,38,4f,41,41,32,41,00,49,42,4d,2d,44,50,4c,41,2d,32,35,31,\
32,30,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,\
20,20,20,50,4c,38,49,41,41,32,41,00,49,42,4d,2d,44,50,4c,41,2d,32,35,31,32,\
30,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,\
20,20,50,4c,38,49,41,41,34,41,00,49,42,4d,2d,44,54,43,41,2d,32,33,32,34,30,\
20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,\
20,54,43,35,4f,41,41,32,41,00,49,42,4d,2d,44,54,43,41,2d,32,33,32,34,30,20,\
20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,\
54,43,35,49,41,41,32,41,00,49,42,4d,2d,44,50,4c,41,2d,32,34,34,38,30,20,20,\
20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,50,\
4c,37,4f,41,41,32,41,00,49,42,4d,2d,44,50,4c,41,2d,32,34,34,38,30,20,20,\
20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,50,4c,\
37,49,41,41,32,41,00,00
"NoFlushDevice"=hex(7):51,55,41,4e,54,55,4d,5f,4c,50,53,35,32,35,41,20,20,\
20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,\
52,2d,37,33,30,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,\
20,20,20,20,20,20,20,20,20,20,20,20,20,00,00
"PioOnlyDevice"=hex(7):20,20,20,20,43,6f,6e,6e,65,72,20,50,65,72,69,70,68,65,\
72,61,6c,73,20,34,32,35,4d,42,20,2d,20,43,46,53,34,32,35,41,20,20,0d,41,\
54,53,48,49,54,41,20,43,52,2d,35,38,31,20,20,20,20,20,20,20,20,20,20,\
20,20,20,20,20,20,20,20,20,20,20,20,00,46,58,36,30,30,53,20,20,20,20,\
20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,\
20,20,20,20,00,43,44,2d,34,34,45,20,20,20,20,20,20,20,20,20,20,20,20,\
20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,00,51,55,41,4e,\
54,55,4d,20,54,52,42,38,35,30,41,20,20,20,20,20,20,20,20,20,20,20,\
20,20,20,20,20,20,20,20,20,20,20,20,00,51,55,41,4e,54,55,4d,20,4d,41,52,56,45,\
52,49,43,4b,20,35,34,30,41,20,20,20,20,20,20,20,20,20,20,20,20,20,\
20,20,00,20,4d,41,58,54,4f,52,20,4d,58,54,2d,35,34,30,20,20,41,54,20,20,\
20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,00,4d,61,78,74,6f,72,\
20,37,31,32,36,30,20,41,54,20,20,20,20,20,20,20,20,20,20,20,20,20,\
20,20,20,20,20,20,20,20,20,00,4d,61,78,74,6f,72,20,37,38,35,30,20,41,56,20,\
20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,\
00,4d,61,78,74,6f,72,20,37,35,34,30,20,41,56,20,20,20,20,20,20,20,20,\
20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,00,4d,61,78,74,6f,72,20,37,\
32,31,33,20,41,54,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,\
20,20,20,20,20,20,20,20,00,4d,61,78,74,6f,72,20,37,33,34,35,20,20,20,20,\
20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,00,4d,\
61,78,74,6f,72,20,37,32,34,35,20,41,54,20,20,20,20,20,20,20,20,20,\
20,20,20,20,20,20,20,20,20,20,20,20,20,20,00,4d,61,78,74,6f,72,20,37,32,34,\
35,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,\
20,20,20,20,20,00,4d,61,78,74,6f,72,20,37,32,31,31,41,55,20,20,20,20,\
20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,00,4d,61,78,\

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"Group"="NDIS"
"DependOnService"=hex(7):54,63,70,69,70,00,00
"DependOnGroup"=hex(7):00
"Description"="ATM ARP Client Protocol"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Atmarpc\Security]
"Security"=hex:01,00,14,80,a0,00,00,00,ac,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,70,00,04,00,00,00,00,18,00,fd,01,02,00,01,01,00,00,00,00,\
05,12,00,00,00,20,02,00,00,00,1c,00,ff,01,0f,00,01,02,00,00,00,00,05,\
20,00,00,00,20,02,00,00,00,00,00,00,18,00,8d,01,02,00,01,01,00,00,00,\
00,00,05,0b,00,00,00,20,02,00,00,00,1c,00,fd,01,02,00,01,02,00,00,00,\
00,05,20,00,00,00,23,02,00,00,00,00,00,01,01,00,00,00,00,05,12,00,00,\
00,01,01,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\audstubs]
"Type"=dword:00000001
"Start"=dword:00000003
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,44,52,49,56,45,52,53,5c,61,75,64,\
73,74,75,62,2e,73,79,73,00
"DisplayName"="Audio Stub Driver"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\audstubs\Security]
"Security"=hex:01,00,14,80,a0,00,00,00,ac,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,70,00,04,00,00,00,00,18,00,fd,01,02,00,01,01,00,00,00,00,\
05,12,00,00,00,61,00,73,00,00,1c,00,ff,01,0f,00,01,02,00,00,00,00,05,\
20,00,00,00,20,02,00,00,65,00,00,00,18,00,8d,01,02,00,01,01,00,00,00,\
00,00,05,0b,00,00,00,20,02,00,00,1c,00,fd,01,02,00,01,02,00,00,00,\
00,05,20,00,00,00,23,02,00,00,65,00,00,00,01,01,00,00,00,00,05,12,00,00,\
00,01,01,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\audstubs\Enum]
"0"="Root\LEGACY_MSMACM"
"Count"=dword:00000005
"NextInstance"=dword:00000005
"1"="Root\MEDIA\MS_MMDRV"
"2"="Root\MEDIA\MS_MMMCI"
"3"="Root\MEDIA\MS_MMVCD"
"4"="Root\MEDIA\MS_MMVID"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Beep]
"ErrorControl"=dword:00000001
"Group"="Base"
"Start"=dword:00000001
"Tag"=dword:00000002
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Beep\Enum]
"0"="Root\LEGACY_BEEP\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Browser]
"Type"=dword:00000020
"Start"=dword:00000002
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,\
32,5c,73,65,72,76,69,63,65,73,2e,65,78,65,00
"DisplayName"="Computer Browser"
"DependOnService"=hex(7):4c,61,6e,6d,61,6e,57,6f,72,6b,73,74,61,74,69,6f,6e,00,\
4c,61,6e,6d,61,6e,53,65,72,76,65,72,00,00

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"DependOnGroup"=hex(7):00
"ObjectName"="LocalSystem"
"Description"="Maintains an up-to-date list of computers on your network and
supplies the list to programs that request it."

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Browser\Parameters]
"IsDomainMaster"="FALSE"
"MaintainServerList"="Yes"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Browser\Security]
"Security"=hex:01,00,14,80,a8,00,00,00,b4,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,78,00,05,00,00,00,00,14,00,8d,01,02,00,01,01,00,00,00,00,\
05,0b,00,00,00,00,18,00,9d,01,02,00,01,02,00,00,00,00,05,20,00,00,00,\
23,02,00,00,00,18,00,ff,01,0f,00,01,02,00,00,00,00,05,20,00,00,00,20,\
02,00,00,00,18,00,ff,01,0f,00,01,02,00,00,00,00,05,20,00,00,25,02,\
00,00,00,00,14,00,fd,01,02,00,01,01,00,00,00,00,05,12,00,00,00,01,01,00,\
00,00,00,00,05,12,00,00,00,01,01,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Browser\Enum]
"0"="Root\LEGACY_BROWSER\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\BusLogic]
"ErrorControl"=dword:00000001
"Group"="SCSI miniport"
"Start"=dword:00000004
"Tag"=dword:0000001b
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\BusLogic\Parameters]
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\BusLogic\Parameters\PnpInterfa
ce]
"1"=dword:00000001
"2"=dword:00000001
"5"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\cd20xrnt]
"ErrorControl"=dword:00000001
"Group"="SCSI miniport"
"Start"=dword:00000004
"Tag"=dword:0000003a
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\cd20xrnt\Parameters]
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\cd20xrnt\Parameters\PnpInterfa
ce]
"1"=dword:00000011

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Cdaudio]
"ErrorControl"=dword:00000000
"Group"="Filter"
"Start"=dword:00000001
"Tag"=dword:00000006
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Cdaudio\Enum]
"Count"=dword:00000000
"NextInstance"=dword:00000000
"INITSTARTFAILED"=dword:00000001

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"WbemAdapStatus"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\cpq42xxb]
"Type"=dword:00000001
"Start"=dword:00000000
"ErrorControl"=dword:00000001
"Tag"=dword:00000101
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,44,52,49,56,45,52,53,5c,63,70,71,\
34,32,78,78,62,2e,73,79,73,00
"DisplayName"="Compaq Smart Array 42xx Controllers Bus Driver"
"Group"="port"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\cpq42xxb\Parameters]
"CompletionMode"=dword:00000002

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\cpq42xxb\Parameters\Controller
2]
"CompletionMode"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\cpq42xxb\Security]
"Security"=hex:01,00,14,80,a0,00,00,00,ac,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,00,01,00,00,\
00,00,02,00,70,00,04,00,00,00,00,00,18,00,fd,01,02,00,01,01,00,00,00,00,00,\
05,12,00,00,00,74,00,69,00,00,00,1c,00,ff,01,0f,00,01,02,00,00,00,00,00,05,\
20,00,00,00,20,02,00,00,76,00,65,00,00,00,18,00,8d,01,02,00,01,01,00,00,00,\
00,00,05,0b,00,00,00,20,02,00,00,00,1c,00,fd,01,02,00,01,02,00,00,00,00,\
00,05,20,00,00,00,23,02,00,00,76,00,65,00,01,01,00,00,00,00,05,12,00,00,\
00,01,01,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\cpq42xxb\Enum]
"0"="PCI\VEN_1011&DEV_0046&SUBSYS_40500E11&REV_01\3&267a616a&0&08"
"Count"=dword:00000005
"NextInstance"=dword:00000005
"1"="PCI\VEN_1011&DEV_0046&SUBSYS_40500E11&REV_01\3&267a616a&0&10"
"2"="PCI\VEN_1011&DEV_0046&SUBSYS_40500E11&REV_01\3&267a616a&0&18"
"3"="PCI\VEN_1011&DEV_0046&SUBSYS_40500E11&REV_01\3&13c0b0c5&0&18"
"4"="PCI\VEN_1011&DEV_0046&SUBSYS_40500E11&REV_01\3&13c0b0c5&0&20"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Cpqarray]
"ErrorControl"=dword:00000001
"Group"="SCSI miniport"
"Start"=dword:00000004
"Tag"=dword:00000100
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Cpqarray\Parameters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Cpqarray\Parameters\PnpInterfa
ce]
"2"=dword:00000001
"5"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\cpqarray2]
"ErrorControl"=dword:00000001
"Group"="SCSI miniport"
"Start"=dword:00000000
"Tag"=dword:0000003e
"Type"=dword:00000001
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,44,52,49,56,45,52,53,5c,63,70,71,\
61,72,72,79,32,2e,73,79,73,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\cpqarray2\Parameters]
"BusType"=dword:00000008

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\cpqarray2\Parameters\PnpInterfa
ce]
"5"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\cpqarray2\Enum]
"0"="PCI\VEN_1000&DEV_0010&SUBSYS_40400E11&REV_01\3&267a616a&0&70"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\cpqbmicd]
"Type"=dword:00000001
"Start"=dword:00000000
"ErrorControl"=dword:00000001
"Tag"=dword:00000102
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,44,52,49,56,45,52,53,5c,63,70,71,\
62,6d,69,63,64,2e,73,79,73,00
"DisplayName"="Compaq BMIC Array Controllers Disk Driver"
"Group"="Primary Disk"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\cpqbmicd\Security]
"Security"=hex:01,00,14,80,a0,00,00,00,ac,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,00,01,00,00,\
00,00,02,00,70,00,04,00,00,00,00,00,18,00,fd,01,02,00,01,01,00,00,00,00,00,\
05,12,00,00,00,74,00,69,00,00,00,1c,00,ff,01,0f,00,01,02,00,00,00,00,00,05,\
20,00,00,00,20,02,00,00,76,00,65,00,00,00,18,00,8d,01,02,00,01,01,00,00,00,\
00,00,05,0b,00,00,00,20,02,00,00,00,1c,00,fd,01,02,00,01,02,00,00,00,00,\
00,05,20,00,00,00,23,02,00,00,76,00,65,00,01,01,00,00,00,00,05,12,00,00,\
00,01,01,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\cpqbmicd\Enum]
"0"="CPQBMIC\Disk&LDRV_00\4&34634222&1&00"
"Count"=dword:0000000e
"NextInstance"=dword:0000000e
"1"="CPQBMIC\Disk&LDRV_01\4&34634222&1&01"
"2"="CPQBMIC\Disk&LDRV_02\4&34634222&1&02"
"3"="CPQBMIC\Disk&LDRV_00\4&355e271f&1&00"
"4"="CPQBMIC\Disk&LDRV_01\4&355e271f&1&01"
"5"="CPQBMIC\Disk&LDRV_02\4&355e271f&1&02"
"6"="CPQBMIC\Disk&LDRV_00\4&24d49402&1&00"
"7"="CPQBMIC\Disk&LDRV_01\4&24d49402&1&01"
"8"="CPQBMIC\Disk&LDRV_00\4&15ba4085&1&00"
"9"="CPQBMIC\Disk&LDRV_01\4&15ba4085&1&01"
"10"="CPQBMIC\Disk&LDRV_02\4&15ba4085&1&02"
"11"="CPQBMIC\Disk&LDRV_00\4&34c34336&1&00"
"12"="CPQBMIC\Disk&LDRV_01\4&34c34336&1&01"
"13"="CPQBMIC\Disk&LDRV_02\4&34c34336&1&02"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\cpqfcalm]
"ErrorControl"=dword:00000001
"Group"="SCSI miniport"
"Start"=dword:00000004
"Tag"=dword:0000002c
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\cpqfcalm\Parameters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\cpqfcalm\Parameters\PnpInterfa
ce]
"2"=dword:00000001
"5"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\cpqfws2e]

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"ErrorControl"=dword:00000001
"Group"="SCSI miniport"
"Start"=dword:00000004
"Tag"=dword:00000026
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\cpqfs2e\Parameters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\cpqfs2e\Parameters\PnpInterfa
ce]
"2"=dword:00000001
"5"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\dac960nt]
"ErrorControl"=dword:00000001
"Group"="SCSI miniport"
"Start"=dword:00000004
"Tag"=dword:00000020
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\dac960nt\Parameters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\dac960nt\Parameters\PnpInterfa
ce]
"2"=dword:00000001
"5"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\DBGV]
"Type"=dword:00000001
"Start"=dword:00000003
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):5c,3f,3f,5c,43,3a,5c,74,65,6d,70,5c,64,62,67,76,6e,74,5c,44,\
42,47,56,2e,53,59,53,00
"DisplayName"="DBGV"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\DBGV\Security]
"Security"=hex:01,00,14,80,a0,00,00,00,ac,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,70,00,04,00,00,00,00,00,18,00,fd,01,02,00,01,01,00,00,00,00,\
05,12,00,00,00,47,00,56,00,00,00,1c,00,ff,01,0f,00,01,02,00,00,00,00,05,\
20,00,00,00,20,02,00,00,00,65,00,00,00,18,00,8d,01,02,00,01,01,00,00,00,\
00,00,05,0b,00,00,00,20,02,00,00,00,00,1c,00,fd,01,02,00,01,02,00,00,00,\
00,05,20,00,00,00,23,02,00,00,00,65,00,01,01,00,00,00,00,05,12,00,00,\
00,01,01,00,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\DBGV\Enum]
"0"="Root\LEGACY_DBGV\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\deckzpsx]
"ErrorControl"=dword:00000001
"Group"="SCSI miniport"
"Start"=dword:00000004
"Tag"=dword:0000002e
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\deckzpsx\Parameters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\deckzpsx\Parameters\PnpInterfa
ce]
"5"=dword:00000001

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Dfs]
"Type"=dword:00000010
"Start"=dword:00000002
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,73,79,73,74,65,6d,33,\
32,5c,44,66,73,73,76,63,2e,65,78,65,00
"DisplayName"="Distributed File System"
"Group"="Dfs"
"DependOnService"=hex(7):4c,61,6e,6d,61,6e,57,6f,72,6b,73,74,61,74,69,6f,6e,00,\
4c,61,6e,6d,61,6e,53,65,72,76,65,72,00,44,66,73,44,72,69,76,65,72,00,4d,75,\
70,00,00
"DependOnGroup"=hex(7):00
"ObjectName"="LocalSystem"
"Description"="Manages logical volumes distributed across a local or wide area
network."
"DfsVersion"=dword:00000565

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Dfs\Security]
"Security"=hex:01,00,14,80,a8,00,00,00,b4,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,78,00,05,00,00,00,00,00,14,00,8d,01,02,00,01,01,00,00,00,00,\
05,0b,00,00,00,00,00,18,00,9d,01,02,00,01,02,00,00,00,00,00,05,20,00,00,00,\
23,02,00,00,00,00,18,00,ff,01,0f,00,01,02,00,00,00,00,00,05,20,00,00,00,20,\
02,00,00,00,00,18,00,ff,01,0f,00,01,02,00,00,00,00,00,05,20,00,00,00,25,02,\
00,00,00,00,14,00,fd,01,02,00,01,01,00,00,00,00,00,05,12,00,00,00,01,01,00,\
00,00,00,00,05,12,00,00,00,01,01,00,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Dfs\Enum]
"0"="Root\LEGACY_DFS\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\DfsDriver]
"Type"=dword:00000002
"Start"=dword:00000000
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):73,79,73,74,65,6d,33,32,5c,64,72,69,76,65,72,73,5c,44,66,73,\
2e,73,79,73,00
"DisplayName"="DfsDriver"
"Group"="filter"
"Description"="Manages logical volumes distributed across a local or wide area
network."

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\DfsDriver\LocalVolumes]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\DfsDriver\Security]
"Security"=hex:01,00,14,80,a0,00,00,00,ac,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,70,00,04,00,00,00,00,00,18,00,fd,01,02,00,01,01,00,00,00,00,\
05,12,00,00,00,74,00,42,00,00,00,1c,00,ff,01,0f,00,01,02,00,00,00,00,05,\
20,00,00,00,20,02,00,00,49,00,4f,00,00,00,18,00,8d,01,02,00,01,01,00,00,00,\
00,00,05,0b,00,00,00,20,02,00,00,00,00,1c,00,fd,01,02,00,01,02,00,00,00,\
00,05,20,00,00,00,23,02,00,00,49,00,4f,00,01,01,00,00,00,00,00,05,12,00,00,\
00,01,01,00,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\DfsDriver\Enum]
"0"="Root\LEGACY_DFSDRIVER\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Dhcp]
"Type"=dword:00000020
"Start"=dword:00000002

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"ErrorControl"=dword:00000001
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,\
32,5c,73,65,72,76,69,63,65,73,2e,65,78,65,00
"DisplayName"="DHCP Client"
"Group"="TDI"
"DependOnService"=hex(7):54,63,70,69,70,00,41,66,64,00,4e,65,74,42,54,00,00
"DependOnGroup"=hex(7):00
"ObjectName"="LocalSystem"
"Description"="Manages network configuration by registering and updating IP
addresses and DNS names."

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Dhcp\Linkage]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Dhcp\Linkage\Disabled]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Dhcp\Parameters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Dhcp\Parameters\Options]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Dhcp\Parameters\Options\1]
"KeyType"=dword:00000007
"RegLocation"=hex(7):53,59,53,54,45,4d,5c,43,75,72,72,65,6e,74,43,6f,6e,74,72,\
6f,6c,53,65,74,5c,53,65,72,76,69,63,65,73,5c,54,63,70,69,70,5c,50,61,72,61,\
6d,65,74,65,72,73,5c,49,6e,74,65,72,66,61,63,65,73,5c,3f,5c,44,68,63,70,53,\
75,62,6e,65,74,4d,61,73,6b,4f,70,74,00,53,59,53,54,45,4d,5c,43,75,72,72,65,\
6e,74,43,6f,6e,74,72,6f,6c,53,65,74,5c,53,65,72,76,69,63,65,73,5c,3f,5c,50,\
61,72,61,6d,65,74,65,72,73,5c,54,63,70,69,70,5c,44,68,63,70,53,75,62,6e,65,\
74,4d,61,73,6b,4f,70,74,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Dhcp\Parameters\Options\15]
"KeyType"=dword:00000001
"RegLocation"=hex(7):53,59,53,54,45,4d,5c,43,75,72,72,65,6e,74,43,6f,6e,74,72,\
6f,6c,53,65,74,5c,53,65,72,76,69,63,65,73,5c,54,63,70,69,70,5c,50,61,72,61,\
6d,65,74,65,72,73,5c,49,6e,74,65,72,66,61,63,65,73,5c,3f,5c,44,68,63,70,44,\
6f,6d,61,69,6e,00,53,59,53,54,45,4d,5c,43,75,72,72,65,6e,74,43,6f,6e,74,72,\
6f,6c,53,65,74,5c,53,65,72,76,69,63,65,73,5c,54,63,70,49,70,5c,50,61,72,61,\
6d,65,74,65,72,73,5c,44,68,63,70,44,6f,6d,61,69,6e,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Dhcp\Parameters\Options\3]
"KeyType"=dword:00000007
"RegLocation"=hex(7):53,59,53,54,45,4d,5c,43,75,72,72,65,6e,74,43,6f,6e,74,72,\
6f,6c,53,65,74,5c,53,65,72,76,69,63,65,73,5c,54,63,70,69,70,5c,50,61,72,61,\
6d,65,74,65,72,73,5c,49,6e,74,65,72,66,61,63,65,73,5c,3f,5c,44,68,63,70,44,\
65,66,61,75,6c,74,47,61,74,65,77,61,79,00,53,59,53,54,45,4d,5c,43,75,72,72,\
65,6e,74,43,6f,6e,74,72,6f,6c,53,65,74,5c,53,65,72,76,69,63,65,73,5c,3f,5c,\
50,61,72,61,6d,65,74,65,72,73,5c,54,63,70,69,70,5c,44,68,63,70,44,65,66,61,\
75,6c,74,47,61,74,65,77,61,79,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Dhcp\Parameters\Options\44]
"KeyType"=dword:00000001
"RegLocation"=hex(7):53,59,53,54,45,4d,5c,43,75,72,72,65,6e,74,43,6f,6e,74,72,\
6f,6c,53,65,74,5c,53,65,72,76,69,63,65,73,5c,4e,65,74,42,54,5c,50,61,72,61,\
6d,65,74,65,72,73,5c,49,6e,74,65,72,66,61,63,65,73,5c,54,63,70,69,70,5f,3f,\
5c,44,68,63,70,4e,61,6d,65,53,65,72,76,65,72,4c,69,73,74,00,53,59,53,54,45,\
4d,5c,43,75,72,72,65,6e,74,43,6f,6e,74,72,6f,6c,53,65,74,5c,53,65,72,76,69,\
63,65,73,5c,4e,65,74,42,54,5c,41,64,61,70,74,65,72,73,5c,3f,5c,44,68,63,70,\
4e,61,6d,65,53,65,72,76,65,72,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Dhcp\Parameters\Options\46]
"KeyType"=dword:00000004
"RegLocation"="SYSTEM\CurrentControlSet\Services\NetBT\Parameters\DhcpNodeType"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Dhcp\Parameters\Options\47]

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"KeyType"=dword:00000001
"RegLocation"="SYSTEM\CurrentControlSet\Services\NetBT\Parameters\DhcpScopeID"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Dhcp\Parameters\Options\6]
"KeyType"=dword:00000001
"RegLocation"=hex(7):53,59,53,54,45,4d,5c,43,75,72,72,65,6e,74,43,6f,6e,74,72,\
6f,6c,53,65,74,5c,53,65,72,76,69,63,65,73,5c,54,63,70,69,70,5c,50,61,72,61,\
6d,65,74,65,72,73,5c,49,6e,74,65,72,66,61,63,65,73,5c,3f,5c,44,68,63,70,4e,\
61,6d,65,53,65,72,76,65,72,00,53,59,53,54,45,4d,5c,43,75,72,72,65,6e,74,43,\
6f,6e,74,72,6f,6c,53,65,74,5c,53,65,72,76,69,63,65,73,5c,54,63,70,69,70,5c,\
50,61,72,61,6d,65,74,65,72,73,5c,44,68,63,70,4e,61,6d,65,53,65,72,76,65,72,\
00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Dhcp\Parameters\Options\DhcpNetbiosOptions]
"KeyType"=dword:00000004
"OptionId"=dword:00000001
"VendorType"=dword:00000001
"RegLocation"=hex(7):53,59,53,54,45,4d,5c,43,75,72,72,65,6e,74,43,6f,6e,74,72,\
6f,6c,53,65,74,5c,53,65,72,76,69,63,65,73,5c,4e,65,74,42,54,5c,50,61,72,61,\
6d,65,74,65,72,73,5c,49,6e,74,65,72,66,61,63,65,73,5c,54,63,70,69,70,5f,3f,\
5c,44,68,63,70,4e,65,74,62,69,6f,73,4f,70,74,69,6f,6e,73,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Dhcp\Security]
"Security"=hex:01,00,14,80,a8,00,00,00,b4,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,78,00,05,00,00,00,00,14,00,8d,01,02,00,01,01,00,00,00,00,\
05,0b,00,00,00,00,18,00,9d,01,02,00,01,02,00,00,00,00,05,20,00,00,00,\
23,02,00,00,00,00,18,00,ff,01,0f,00,01,02,00,00,00,00,05,20,00,00,20,\
02,00,00,00,00,18,00,ff,01,0f,00,01,02,00,00,00,00,05,20,00,00,25,02,\
00,00,00,00,14,00,fd,01,02,00,01,01,00,00,00,00,05,12,00,00,01,01,00,\
00,00,00,00,05,12,00,00,00,01,01,00,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Dhcp\Enum]
"0"="Root\LEGACY_DHCP\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Disk]
"DependOnGroup"=hex(7):53,43,53,49,20,6d,69,6e,69,70,6f,72,74,00,00
"ErrorControl"=dword:00000001
"Group"="SCSI Class"
"Start"=dword:00000000
"Tag"=dword:00000002
"Type"=dword:00000001
"DisplayName"="Disk Driver"
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,44,52,49,56,45,52,53,5c,64,69,73,\
6b,2e,73,79,73,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Disk\Enum]
"0"="SCSI\Disk&Ven_Compagq&Prod_Disk_Array&Rev_1.34\4&58cac9a&0&000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Diskperf]
"ErrorControl"=dword:00000001
"Group"="System Bus Extender"
"Start"=dword:00000004
"Tag"=dword:0000000a
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Diskperf\Enum]
"0"="Root\LEGACY_DISKPERF\0000"

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"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\dmadmin]
"Type"=dword:00000020
"Start"=dword:00000003
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,\
32,5c,64,6d,61,64,6d,69,6e,2e,65,78,65,20,2f,63,6f,6d,00
"DisplayName"="Logical Disk Manager Administrative Service"
"ObjectName"="LocalSystem"
"Description"="Administrative service for disk management requests"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\dmadmin\Enum]
"0"="Root\LEGACY_DMADMIN\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\dmboot]
"Type"=dword:00000001
"Start"=dword:00000004
"ErrorControl"=dword:00000001
"Group"="Filter"
"Tag"=dword:0000000b
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,64,72,69,76,65,72,73,5c,64,6d,62,\
6f,6f,74,2e,73,79,73,00
"VolumeRecoveryNeeded"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\dmboot\Enum]
"0"="Root\LEGACY_DMBOOT\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\dmio]
"Type"=dword:00000001
"Start"=dword:00000000
"ErrorControl"=dword:00000001
"Group"="System Bus Extender"
"Tag"=dword:0000000d
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,64,72,69,76,65,72,73,5c,64,6d,69,\
6f,2e,73,79,73,00
"DisplayName"="Logical Disk Manager Driver"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\dmio\Boot Info]
"Boot ID"="536ca941-8a60-11d3-a139-806d6172696f"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\dmio\Enum]
"0"="Root\dmio\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\dmload]
"Type"=dword:00000001
"Start"=dword:00000000
"ErrorControl"=dword:00000001
"Group"="System Bus Extender"
"Tag"=dword:0000000c
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,64,72,69,76,65,72,73,5c,64,6d,6c,\
6f,61,64,2e,73,79,73,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\dmload\Enum]
"0"="Root\LEGACY_DMLoad\0000"
"Count"=dword:00000001

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"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\dmserver]
"Type"=dword:00000020
"Start"=dword:00000002
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,\
32,5c,73,65,72,76,69,63,65,73,2e,65,78,65,00
"DisplayName"="Logical Disk Manager"
"ObjectName"="LocalSystem"
"Description"="Logical Disk Manager Watchdog Service"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\dmserver\Security]
"Security"=hex:01,00,14,80,a8,00,00,00,b4,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,00,01,00,00,\
00,00,02,00,78,00,05,00,00,00,00,00,14,00,8d,01,02,00,01,01,00,00,00,00,00,\
05,0b,00,00,00,00,00,18,00,00,9d,01,02,00,01,02,00,00,00,00,05,20,00,00,00,\
23,02,00,00,00,18,00,ff,01,0f,00,01,02,00,00,00,00,00,05,20,00,00,00,20,\
02,00,00,00,00,18,00,ff,01,0f,00,01,02,00,00,00,00,05,20,00,00,00,25,02,\
00,00,00,00,14,00,fd,01,02,00,01,01,00,00,00,00,05,12,00,00,00,01,01,00,\
00,00,00,00,05,12,00,00,00,01,01,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\dmserver\Enum]
"0"="Root\LEGACY_DMSEVER\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Dnscache]
"Type"=dword:00000020
"Start"=dword:00000002
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,\
32,5c,73,65,72,76,69,63,65,73,2e,65,78,65,00
"DisplayName"="DNS Client"
"Group"="TDI"
"DependOnService"=hex(7):54,63,70,69,70,00,00
"DependOnGroup"=hex(7):00
"ObjectName"="LocalSystem"
"Description"="Resolves and caches Domain Name System (DNS) names."

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Dnscache\Parameters]
"NegativeCacheTime"=dword:0000012c
"NegativeSOACacheTime"=dword:00000078
"NetFailureCacheTime"=dword:00000000
"AdapterTimeoutCacheTime"=dword:00000000
"CacheHashTableSize"=dword:000000d3
"CacheHashTableBucketSize"=dword:0000000a
"NetFailureErrorPopUpLimit"=dword:00000000
"MaxCacheEntryTtlLimit"=dword:00015180
"MaxSOACacheEntryTtlLimit"=dword:0000012c

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Dnscache\Security]
"Security"=hex:01,00,14,80,a8,00,00,00,b4,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,00,01,00,00,\
00,00,02,00,78,00,05,00,00,00,00,00,14,00,8d,01,02,00,01,01,00,00,00,00,00,\
05,0b,00,00,00,00,00,18,00,00,9d,01,02,00,01,02,00,00,00,00,05,20,00,00,00,\
23,02,00,00,00,18,00,ff,01,0f,00,01,02,00,00,00,00,00,05,20,00,00,00,20,\
02,00,00,00,00,18,00,ff,01,0f,00,01,02,00,00,00,00,00,05,20,00,00,00,25,02,\
00,00,00,00,14,00,fd,01,02,00,01,01,00,00,00,00,05,12,00,00,00,01,01,00,\
00,00,00,00,05,12,00,00,00,01,01,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Dnscache\Enum]
"0"="Root\LEGACY_DNSCACHE\0000"

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"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\EFS]
"ErrorControl"=dword:00000001
"Group"="File system"
"Start"=dword:00000004
"Type"=dword:00000002

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\EFS\Enum]
"0"="Root\LEGACY_EFS\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog]
"Description"="Logs event messages issued by programs and Windows. Event Log reports contain information that can be useful in diagnosing problems. Reports are viewed in Event Viewer."
"DisplayName"="Event Log"
"ErrorControl"=dword:00000001
"Group"="Event log"
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,73,79,73,74,65,6d,33,\
32,5c,73,65,72,76,69,63,65,73,2e,65,78,65,00
"ObjectName"="LocalSystem"
"PlugPlayServiceType"=dword:00000003
"Start"=dword:00000002
"Type"=dword:00000020

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application]
"DisplayNameFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,73,79,73,74,65,\
6d,33,32,5c,65,6c,73,2e,64,6c,6c,00
"DisplayNameID"=dword:00000100
"File"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,73,79,73,74,65,6d,33,32,\
5c,63,6f,6e,66,69,67,5c,41,70,70,45,76,65,6e,74,2e,45,76,74,00
"MaxSize"=dword:00080000
"PrimaryModule"="Application"
"Retention"=dword:00093a80
@="mnmsrvc"
"Sources"=hex(7):57,53,48,00,57,69,6e,4d,67,6d,74,00,57,69,6e,6c,6f,67,6f,6e,\
00,57,69,6e,64,6f,77,73,20,33,2e,31,20,4d,69,67,72,61,74,69,6f,6e,00,56,42,\
52,75,6e,74,69,6d,65,00,55,73,65,72,69,6e,69,74,00,55,73,65,72,65,6e,76,00,\
54,6c,6e,74,73,76,72,00,54,61,72,64,69,73,00,53,79,73,6d,6f,6e,4c,6f,67,00,\
53,51,4c,53,65,72,76,65,72,50,72,6f,66,69,6c,65,72,00,53,51,4c,53,45,52,56,\
45,52,41,47,45,4e,54,00,53,51,4c,43,54,52,00,53,70,6f,6f,6c,65,72,43,74,72,\
73,00,53,6f,66,74,77,61,72,65,20,49,6e,73,74,61,6c,6c,61,74,69,6f,6e,00,53,\
63,6c,67,4e,74,66,79,00,53,63,65,53,72,76,00,53,63,65,43,6c,69,00,50,6c,75,\
67,50,6c,61,79,4d,61,6e,61,67,65,72,00,50,65,72,66,50,72,6f,63,00,50,65,72,\
66,4f,53,00,50,65,72,66,4e,65,74,00,50,65,72,66,6d,6f,6e,00,50,65,72,66,6c,\
69,62,00,50,65,72,66,44,69,73,6b,00,50,65,72,66,63,74,72,73,00,4f,66,6e,6c,\
69,6e,65,20,46,69,6c,65,73,00,4f,61,6b,6c,65,79,00,6e,74,62,61,63,6b,75,70,\
00,4d,53,53,51,4c,53,45,52,56,45,52,00,4d,73,73,43,69,00,4d,73,69,49,6e,73,\
74,61,6c,6c,65,72,00,4d,53,44,54,43,20,43,6c,69,65,6e,74,00,4d,53,44,54,43,\
00,6d,6e,6d,73,72,76,63,00,4d,69,63,72,6f,73,6f,66,74,20,53,65,61,72,63,68,\
00,4c,6f,61,64,50,65,72,66,00,4c,69,63,65,6e,73,65,53,65,72,76,69,63,65,00,\
4a,61,76,61,20,56,4d,00,49,50,53,45,43,50,6f,6c,69,63,79,53,74,6f,72,61,67,\
65,00,68,70,6d,6f,6e,00,46,6f,6c,64,65,72,20,52,65,64,69,72,65,63,74,69,6f,\
6e,00,46,69,6c,65,20,44,65,70,6c,6f,79,6d,65,6e,74,00,45,76,65,6e,74,53,79,\
73,74,65,6d,00,45,53,45,4e,54,00,44,72,57,61,74,73,6f,6e,00,44,69,73,6b,51,\
75,6f,74,61,00,44,61,74,61,54,72,61,6e,73,66,6f,72,6d,61,74,69,6f,6e,53,65,\
72,76,69,63,65,73,00,43,4f,4d,2b,00,43,69,00,43,68,6b,64,73,6b,00,41,75,74,\
6f,63,68,6b,00,41,70,70,6c,69,63,61,74,69,6f,6e,20,4d,61,6e,61,67,65,6d,65,\
6e,74,00,41,70,70,6c,69,63,61,74,69,6f,6e,00,00

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\Applcatic
on]
"CategoryCount"=dword:00000007
"CategoryMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,73,79,73,\
74,65,6d,33,32,5c,65,76,65,6e,74,6c,6f,67,2e,64,6c,6c,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\Applcatic
on Management]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,61,70,70,6d,67,6d,74,73,2e,64,6c,6c,00
"ParameterMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,\
74,65,6d,33,32,5c,6b,65,72,6e,65,6c,33,32,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\Autochk]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,77,69,6e,6c,6f,67,6f,6e,2e,65,78,65,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\Chkdsk]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,75,6c,69,62,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\Ci]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,71,75,65,72,79,2e,64,6c,6c,00
"CategoryMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,\
74,65,6d,33,32,5c,71,75,65,72,79,2e,64,6c,6c,00
"TypesSupported"=dword:00000007
"CategoryCount"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\COM+]
"EventMessageFile"=hex(2):43,3a,5c,57,49,4e,4e,54,5c,53,79,73,74,65,6d,33,32,\
5c,43,4f,4d,53,56,43,53,2e,44,4c,4c,00
"CategoryMessageFile"=hex(2):43,3a,5c,57,49,4e,4e,54,5c,53,79,73,74,65,6d,33,\
32,5c,43,4f,4d,53,56,43,53,2e,44,4c,4c,00
"ParameterMessageFile"=hex(2):43,3a,5c,57,49,4e,4e,54,5c,53,79,73,74,65,6d,33,\
32,5c,43,4f,4d,53,56,43,53,2e,44,4c,4c,00
"TypeSupported"=dword:00000007
"CategoryCount"=dword:00000014

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\DataTrans
formationServices]
"EventMessageFile"="C:\Program Files\Microsoft SQL
Server\80\Tools\Binn\dtspkg.dll"
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\DiskQuota
]
"EventMessageFile"="%SystemRoot%\System32\diskquota.dll"
"TypesSupported"="0x00000007"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\DrWatson]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,64,72,77,74,73,6e,33,32,2e,65,78,65,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\ESent]
"EventMessageFile"=hex(2):43,3a,5c,57,49,4e,4e,54,5c,73,79,73,74,65,6d,33,32,\
5c,45,53,45,4e,54,2e,64,6c,6c,00
"CategoryMessageFile"=hex(2):43,3a,5c,57,49,4e,4e,54,5c,73,79,73,74,65,6d,33,\
32,5c,45,53,45,4e,54,2e,64,6c,6c,00

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"CategoryCount"=dword:0000000f
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\EventSystem]
"CategoryCount"=dword:00000006
"TypesSupported"=dword:00000007
"CategoryMessageFile"=hex(2):43,3a,5c,57,49,4e,4e,54,5c,53,79,73,74,65,6d,33,\
32,5c,65,73,2e,64,6c,6c,00
"EventMessageFile"=hex(2):43,3a,5c,57,49,4e,4e,54,5c,53,79,73,74,65,6d,33,32,\
5c,65,73,2e,64,6c,6c,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\FileDeployment]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,66,64,65,70,6c,6f,79,2e,64,6c,6c,00
"ParameterMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,\
74,65,6d,33,32,5c,6b,65,72,6e,65,6c,33,32,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\FolderRedirection]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,66,64,65,70,6c,6f,79,2e,64,6c,6c,00
"ParameterMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,\
74,65,6d,33,32,5c,6b,65,72,6e,65,6c,33,32,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\hpmon]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,68,70,6d,6f,6e,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\IPSECPolicyStorage]
"EventMessageFile"="%SystemRoot%\System32\polstore.dll"
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\Java VM]
"EventMessageFile"=hex(2):25,73,79,73,74,65,6d,72,6f,6f,74,25,5c,73,79,73,74,\
65,6d,33,32,5c,76,6d,68,65,6c,70,65,72,2e,64,6c,6c,00
"TypesSupported"=hex:07,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\LicenseService]
"TypesSupported"=dword:00000007
"EventMessageFile"="%SystemRoot%\System32\llsrpc.dll"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\LoadPerf]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,6c,6f,61,64,70,65,72,66,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\MicrosoftSearch]
"EventMessageFile"="C:\Program Files\Common Files\System\MSSearch\bin\mssmsg.dll"
"CategoryMessageFile"="C:\Program Files\Common Files\System\MSSearch\bin\mssmsg.dll"
"CategoryCount"=dword:00000004
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\mmmsrvc]

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"EventMessageFile"="%SystemRoot%\System32\nmeventmsg.dll"
"TypesSupported"=hex:07,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\MSDTC]
"EventMessageFile"=hex(2):43,3a,5c,57,49,4e,4e,54,5c,53,79,73,74,65,6d,33,32,\
5c,4d,53,44,54,43,50,52,58,2e,44,4c,4c,00
"TypesSupported"=dword:00000007
"CategoryMessageFile"=hex(2):43,3a,5c,57,49,4e,4e,54,5c,53,79,73,74,65,6d,33,\
32,5c,4d,53,44,54,43,50,52,58,2e,44,4c,4c,00
"CategoryCount"=dword:00000012

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\MSDTCClient]
"EventMessageFile"=hex(2):43,3a,5c,57,49,4e,4e,54,5c,53,79,73,74,65,6d,33,32,\
5c,4d,53,44,54,43,50,52,58,2e,44,4c,4c,00
"TypesSupported"=dword:00000007
"CategoryMessageFile"=hex(2):43,3a,5c,57,49,4e,4e,54,5c,53,79,73,74,65,6d,33,\
32,5c,4d,53,44,54,43,50,52,58,2e,44,4c,4c,00
"CategoryCount"=dword:00000012

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\MsiInstaller]
"EventMessageFile"="C:\WINNT\system32\Msi.dll"
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\MssCi]
"EventMessageFile"="C:\Program Files\Common Files\System\MSSearch\bin\tquery.dll"
"CategoryMessageFile"="C:\Program Files\Common Files\System\MSSearch\bin\tquery.dll"
"CategoryCount"=dword:00000001
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\MSSQLSERVER]
"CategoryCount"=dword:00000008
"TypesSupported"=dword:000000ff
"EventMessageFile"="C:\SQL8\MSSQL\BINN\SQLLEVN70.DLL"
"CategoryMessageFile"="C:\SQL8\MSSQL\BINN\SQLLEVN70.DLL"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\ntbackup]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,6e,74,62,61,63,6b,75,70,2e,65,78,65,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\Oakley]
"EventMessageFile"="%SystemRoot%\System32\oakley.dll"
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\OfflineFiles]
"EventMessageFile"="%SystemRoot%\System32\cscui.dll"
"TypesSupported"="0x00000007"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\Perfctrs]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,70,65,72,66,63,74,72,73,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\PerfDisk]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,70,65,72,66,64,69,73,6b,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\Perflib]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,70,72,66,6c,62,6d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\Perfmon]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,70,65,72,66,6d,6f,6e,2e,65,78,65,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\PerfNet]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,70,65,72,66,6e,65,74,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\PerfOS]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,70,65,72,66,4f,53,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\PerfProc]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,70,65,72,66,70,72,6f,63,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\PluginManager]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,75,6d,70,6e,70,6d,67,72,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\Sccli]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,73,63,65,63,6c,69,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\Scs]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,73,63,65,73,72,76,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\Scs]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,73,63,6c,67,6e,74,66,79,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\SoftwareInstallation]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,61,70,70,6d,67,72,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\Spooler]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,77,69,6e,73,70,6f,6f,6c,2e,64,72,76,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\SQLCTR]
"TypesSupported"=dword:00000007
"EventMessageFile"="C:\SQL8\MSSQL\BINN\SQLLEV70.DLL"
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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\SQLSERVERAGENT]
"CategoryCount"=dword:00000004
"TypesSupported"=dword:00000007
"EventMessageFile"="C:\SQL8\MSSQL\BINN\SQLAGENT.DLL"
"CategoryMessageFile"="C:\SQL8\MSSQL\BINN\SQLAGENT.DLL"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\SQLServerProfiler]
"EventMessageFile"=hex(2):43,3a,5c,50,72,6f,67,72,61,6d,20,46,69,6c,65,73,5c,\
4d,69,63,72,6f,73,6f,66,74,20,53,51,4c,20,53,65,72,76,65,72,5c,38,30,5c,54,\
6f,6f,6c,73,5c,42,69,6e,6e,5c,43,4f,4d,4e,45,56,4e,54,2e,44,4c,4c,00
"CategoryMessageFile"=hex(2):43,3a,5c,50,72,6f,67,72,61,6d,20,46,69,6c,65,73,\
5c,4d,69,63,72,6f,73,6f,66,74,20,53,51,4c,20,53,65,72,76,65,72,5c,38,30,5c,\
54,6f,6f,6c,73,5c,42,69,6e,6e,5c,43,4f,4d,4e,45,56,4e,54,2e,44,4c,4c,00
"TypesSupported"=dword:00000007
"CategoryCount"=dword:00000008

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\SysmonLog]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,73,6d,6c,6f,67,73,76,63,2e,65,78,65,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\Tardis]
"EventMessageFile"="%SystemRoot%\System32\tardis.cpl"
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\Tlntsvr]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,74,6c,6e,74,73,76,72,2e,65,78,65,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\Userenv]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,75,73,65,72,65,6e,76,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\Userinit]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,75,73,65,72,69,6e,69,74,2e,65,78,65,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\VBRunTime]
"EventMessageFile"="C:\WINNT\System32\msvbvm50.dll"
"TypesSupported"=dword:00000004

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\Windows3.1Migration]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,61,64,76,61,70,69,33,32,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\Winlogon]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,77,69,6e,6c,6f,6f,6f,6e,2e,65,78,65,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\WinMgmt]
"EventMessageFile"="C:\WINNT\System32\WBEM\WinMgmtR.dll"
"TypesSupported"=hex:07
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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Application\WSH]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,77,73,68,65,78,74,2e,64,6c,6c,00
"TypesSupported"=dword:0000001f

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Security]
"DisplayNameFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,73,79,73,74,65,\
6d,33,32,5c,65,6c,73,2e,64,6c,6c,00
"DisplayNameID"=dword:00000101
"File"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,32,\
5c,63,6f,6e,66,69,67,5c,53,65,63,45,76,65,6e,74,2e,45,76,74,00
"MaxSize"=dword:00080000
"PrimaryModule"="Security"
"Retention"=dword:00093a80
"Security"=hex:01,00,14,80,a8,00,00,00,b4,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,78,00,05,00,00,00,00,00,14,00,8d,01,02,00,01,01,00,00,00,00,\
05,0b,00,00,00,00,18,00,9d,01,02,00,01,02,00,00,00,00,05,20,00,00,00,\
23,02,00,00,00,18,00,ff,01,0f,00,01,02,00,00,00,00,05,20,00,00,00,20,\
02,00,00,00,18,00,ff,01,0f,00,01,02,00,00,00,00,05,20,00,00,25,02,\
00,00,00,00,14,00,fd,01,02,00,01,01,00,00,00,00,05,12,00,00,00,01,01,00,\
00,00,00,00,05,12,00,00,00,01,01,00,00,00,00,05,12,00,00,00
"Sources"=hex(7):53,70,6f,6f,6c,65,72,00,53,65,63,75,72,69,74,79,20,41,63,63,\
6f,75,6e,74,20,4d,61,6e,61,67,65,72,00,53,43,20,4d,61,6e,61,67,65,72,00,4e,\
65,74,44,44,45,20,4f,62,6a,65,63,74,00,4c,53,41,00,44,53,00,53,65,63,75,72,\
69,74,79,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Security\DS]
"ParameterMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,\
74,65,6d,33,32,5c,4d,73,4f,62,6a,73,2e,64,6c,6c,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Security\DS\ObjectNames]
"Directory Service Object"=dword:00001e00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Security\LSA]
"ParameterMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,\
74,65,6d,33,32,5c,4d,73,4f,62,6a,73,2e,64,6c,6c,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Security\LSA\ObjectNames]
"PolicyObject"=dword:00001600
"SecretObject"=dword:00001610
"TrustedDomainObject"=dword:00001620
"UserAccountObject"=dword:00001630

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Security\NetDDEObject]
"ParameterMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,\
74,65,6d,33,32,5c,4d,73,4f,62,6a,73,2e,64,6c,6c,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Security\NetDDEObject\ObjectNames]
"DDE Share"=dword:00001d00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Security\SC Manager]
"ParameterMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,\
74,65,6d,33,32,5c,4d,73,4f,62,6a,73,2e,64,6c,6c,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Security\SC Manager\ObjectNames]
"SC_MANAGER Object"=dword:00001c00
"SERVICE Object"=dword:00001c10

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Security\Security]
"CategoryCount"=dword:00000009
"CategoryMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,\
74,65,6d,33,32,5c,4d,73,41,75,64,69,74,45,2e,64,6c,6c,00
"GuidMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,\
6d,33,32,5c,4e,74,4d,61,72,74,61,2e,64,6c,6c,00
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,4d,73,41,75,64,69,74,45,2e,64,6c,6c,00
"ParameterMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,\
74,65,6d,33,32,5c,4d,73,4f,62,6a,73,2e,64,6c,6c,00
"TypesSupported"=dword:0000001c

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Security\Security\ObjectNames]
"Channel"=dword:00001400
"Desktop"=dword:00001a10
"Device"=dword:00001100
"Directory"=dword:00001110
"Event"=dword:00001120
"EventPair"=dword:00001130
"File"=dword:00001140
"IoCompletion"=dword:00001300
"Job"=dword:00001410
"Key"=dword:00001150
"MailSlot"=dword:00001140
"Mutant"=dword:00001160
"NamedPipe"=dword:00001140
"Port"=dword:00001170
"Process"=dword:00001180
"Profile"=dword:00001190
"Section"=dword:000011a0
"Semaphore"=dword:000011b0
"SymbolicLink"=dword:000011c0
"Thread"=dword:000011d0
"Timer"=dword:000011e0
"Token"=dword:000011f0
"Type"=dword:00001200
"WaitablePort"=dword:00001170
"WindowStation"=dword:00001a00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Security\Security\Account Manager]
"ParameterMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,\
74,65,6d,33,32,5c,4d,73,4f,62,6a,73,2e,64,6c,6c,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Security\Security\Account Manager\ObjectNames]
"SAM_ALIAS"=dword:00001530
"SAM_DOMAIN"=dword:00001510
"SAM_GROUP"=dword:00001520
"SAM_SERVER"=dword:00001500
"SAM_USER"=dword:00001540

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Security\Spooler]
"ParameterMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,\
74,65,6d,33,32,5c,4d,73,4f,62,6a,73,2e,64,6c,6c,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\Security\Spooler\ObjectNames]
"Document"=dword:00001b20
"Printer"=dword:00001b10
"Server"=dword:00001b00

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System]
"DisplayNameFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,73,79,73,74,65,\
6d,33,32,5c,65,6c,73,2e,64,6c,6c,00
"DisplayNameID"=dword:00000102
"File"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,73,79,73,74,65,6d,33,32,\
5c,63,6f,6e,66,69,67,5c,53,79,73,45,76,65,6e,74,2e,45,76,74,00
"MaxSize"=dword:00080000
"PrimaryModule"="System"
"Retention"=dword:00093a80
"Sources"=hex(7):57,6f,72,6b,73,74,61,74,69,6f,6e,00,57,6d,69,00,57,69,6e,64,\
6f,77,73,20,46,69,6c,65,20,50,72,6f,74,65,63,74,69,6f,6e,00,57,69,6e,33,32,\
6b,00,57,33,32,54,69,6d,65,00,56,67,61,53,61,76,65,00,55,50,53,00,75,6c,74,\
72,61,36,36,00,75,64,66,73,00,54,65,72,6d,53,65,72,76,69,63,65,00,54,65,72,\
6d,53,65,72,76,44,65,76,69,63,65,73,00,54,65,72,6d,44,44,00,74,64,69,00,54,\
43,50,4d,6f,6e,00,54,63,70,69,70,00,73,79,73,6d,67,6d,74,00,73,79,73,64,6f,\
77,6e,00,73,79,6d,5f,68,69,00,73,79,6d,63,38,78,78,00,73,79,6d,63,38,31,30,\
00,53,74,69,6c,6c,49,6d,61,67,65,00,53,72,76,00,73,70,61,72,72,6f,77,00,53,\
70,61,64,32,00,53,6e,4e,64,69,73,00,53,6e,65,74,4e,69,63,70,73,6e,64,62,6c,\
73,74,00,53,69,6d,62,61,64,00,73,67,6c,66,62,00,73,66,6c,6f,70,70,79,00,53,\
65,72,76,69,63,65,20,43,6f,6e,74,72,6f,6c,20,4d,61,6e,61,67,65,72,00,53,65,\
72,76,65,72,00,73,65,72,69,61,6c,00,73,63,73,69,70,6f,72,74,00,53,63,68,65,\
64,75,6c,65,00,53,43,61,72,64,53,76,72,00,53,61,76,65,20,44,75,6d,70,00,53,\
61,6e,6d,61,6e,00,53,41,4d,00,52,53,56,50,00,52,65,6d,6f,76,61,62,6c,65,20,\
53,74,6f,72,61,67,65,20,53,65,72,76,69,63,65,00,52,65,6d,6f,74,65,41,63,63,\
65,73,73,00,72,65,64,62,6f,6f,6b,00,52,64,62,73,73,00,52,61,73,4d,61,6e,00,\
52,61,73,41,75,74,6f,00,71,6c,32,31,30,30,00,71,6c,31,32,34,30,00,71,6c,31,\
30,77,6e,74,00,71,6c,31,30,38,30,00,50,72,69,6e,74,00,50,70,74,70,4d,69,6e,\
69,70,6f,72,74,00,50,6f,6c,69,63,79,41,67,65,6e,74,00,70,63,6d,63,69,61,00,\
70,63,69,69,64,65,00,70,63,69,00,70,61,72,76,64,6d,00,70,61,72,70,6f,72,74,\
00,70,61,72,61,6c,6c,65,6c,00,4f,53,50,46,4d,69,62,00,4f,53,50,46,6e,75,\
6c,6c,00,4e,54,4d,53,00,6e,74,66,73,00,6e,73,00,6e,74,00,4e,65,74,00,6f,67,6f,\
6e,00,4e,65,74,44,44,44,45,00,4e,65,74,42,54,00,4e,65,74,42,49,4f,53,00,4e,64,\
69,73,57,61,6e,00,6e,64,69,73,00,6e,63,72,63,37,31,30,00,4e,31,30,30,00,4d,\
75,70,00,6d,73,66,73,00,6d,73,61,64,6c,69,62,00,4d,72,78,53,6d,62,00,6d,72,\
61,69,64,33,35,78,00,6d,6f,75,63,6c,61,73,73,00,4d,6f,64,65,6d,00,4c,73,61,\
53,72,76,00,6c,70,36,6e,64,73,33,35,00,4c,6d,48,6f,73,74,73,00,4c,44,4d,53,\
00,4c,44,4d,00,6c,62,72,74,66,64,63,00,4b,65,72,62,65,72,6f,73,00,4b,44,43,\
00,6b,62,64,63,6c,61,73,73,00,69,73,61,70,6e,70,00,49,50,58,53,41,50,00,49,\
50,58,52,6f,75,74,65,72,4d,61,6e,61,67,65,72,00,49,50,58,52,49,50,00,49,50,\
58,43,50,00,69,70,73,72,61,69,64,6e,00,49,50,53,45,43,00,49,50,52,6f,75,74,\
65,72,4d,61,6e,61,67,65,72,00,49,50,52,49,50,32,00,49,50,4e,41,54,48,4c,50,\
00,49,50,42,4f,4f,54,50,00,69,6e,74,65,6c,69,64,65,00,69,6e,69,39,31,30,75,\
00,69,38,30,34,32,70,72,74,00,66,74,64,69,73,6b,00,66,73,5f,72,65,63,00,66,\
6c,70,79,64,69,73,6b,00,66,6c,61,73,68,70,6e,74,00,66,69,72,65,70,6f,72,74,\
00,66,64,63,00,66,64,31,36,5f,37,30,30,00,66,61,73,74,66,61,74,00,65,76,65,\
6e,74,6c,6f,67,00,65,66,73,00,44,6e,73,63,61,63,68,65,00,44,6e,73,61,70,69,\
00,64,6d,69,6f,00,64,6d,62,6f,6f,74,00,44,69,73,74,72,69,62,75,74,65,64,20,\
4c,69,6e,6b,20,54,72,61,63,6b,69,6e,67,20,53,65,72,76,65,72,00,44,69,73,74,\
72,69,62,75,74,65,64,20,4c,69,6e,6b,20,54,72,61,63,6b,69,6e,67,20,43,6c,69,\
65,6e,74,00,64,69,73,6b,70,65,72,66,00,64,69,73,6b,00,44,68,63,70,00,44,66,\
73,53,76,63,00,44,66,73,44,72,69,76,65,72,00,64,65,63,6b,7a,70,73,78,00,44,\
43,4f,4d,00,64,61,63,39,36,30,6e,74,00,63,70,71,66,77,73,32,65,00,63,70,71,\
66,63,61,6c,6d,00,63,70,71,62,6d,69,63,64,00,63,70,71,61,72,72,79,32,00,61,\
70,71,61,72,72,61,79,00,63,70,71,34,32,78,78,62,00,63,68,61,6e,67,65,72,00,\
63,64,72,6f,6d,00,43,64,6d,00,63,64,66,73,00,63,64,61,75,64,69,6f,00,63,64,\
32,30,78,72,6e,74,00,62,75,73,6c,6f,67,69,63,00,42,72,6f,77,73,65,72,00,62,\
65,65,70,00,41,74,6d,61,72,70,63,00,61,74,69,72,61,67,65,00,61,74,64,69,73,\
6b,00,61,74,61,70,69,00,41,73,79,6e,63,4d,61,63,00,61,73,63,33,35,35,30,00,\
61,73,63,33,33,35,30,70,00,61,73,63,00,41,70,70,6c,69,63,61,74,69,6f,6e,20,\
50,6f,70,75,70,00,61,6d,73,69,6e,74,00,61,6d,69,30,6e,74,00,41,6c,65,72,74,\
65,72,00,61,69,63,37,38,78,78,00,61,69,63,37,38,75,32,00,61,69,63,31,31,36,\
78,00,61,68,61,31,35,34,78,00,61,64,70,75,31,36,30,6d,00,61,63,70,69,65,63,\
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00,61,63,70,69,00,61,62,70,34,38,30,6e,35,00,61,62,69,6f,73,64,73,6b,00,53,\
79,73,74,65,6d,00,00
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\abiosdsk]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\abp480n5]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\acpi]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,3b,25,53,79,73,74,65,6d,\
52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,32,5c,44,72,69,76,65,72,73,5c,61,63,\
70,69,2e,73,79,73,00
"TypesSupported"=dword:00000007
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\acpic]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,3b,25,53,79,73,74,65,6d,\
52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,32,5c,44,72,69,76,65,72,73,5c,61,63,\
70,69,65,63,2e,73,79,73,00
"TypesSupported"=dword:00000007
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\adpu160m]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\aha154x]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\aic116x]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\aic78u2]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\aic78xx]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\Alerter]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,6e,65,74,6d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\ami0nt]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\amsint]
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"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\DCOM]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,6e,65,74,65,76,65,6e,74,2e,64,6c,6c,00
"ParameterMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,\
74,65,6d,33,32,5c,6b,65,72,6e,65,6c,33,32,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\deckzpsx]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\DfsDriver]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,6e,65,74,65,76,65,6e,74,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\DfsSvc]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,6e,65,74,65,76,65,6e,74,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\Dhcp]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,64,68,63,70,63,73,76,63,2e,64,6c,6c,00
"ParameterMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,\
74,65,6d,33,32,5c,6b,65,72,6e,65,6c,33,32,2e,64,6c,6c,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\disk]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\diskperf]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\Distributed
Link Tracking Client]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,6e,65,74,65,76,65,6e,74,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\Distributed
Link Tracking Server]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,6e,65,74,65,76,65,6e,74,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\dmboot]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,44,72,69,76,65,72,73,5c,64,6d,62,6f,6f,74,2e,73,79,73,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\dmio]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,3b,25,53,79,73,74,65,6d,\
52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,32,5c,44,72,69,76,65,72,73,5c,64,6d,\
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69,6f,2e,73,79,73,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\Dnsapi]
"ParameterMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,\
74,65,6d,33,32,5c,6b,65,72,6e,65,6c,33,32,2e,64,6c,6c,00
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,6e,65,74,65,76,65,6e,74,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\Dnscache]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,6e,65,74,65,76,65,6e,74,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\efs]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,6c,73,61,73,72,76,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\eventlog]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,6e,65,74,65,76,65,6e,74,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\fastfat]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\fd16_700]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\fdc]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,3b,25,53,79,73,74,65,6d,\
52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,32,5c,44,72,69,76,65,72,73,5c,66,64,\
63,2e,73,79,73,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\fireport]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\flashpnt]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\flpydisk]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,3b,25,53,79,73,74,65,6d,\
52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,32,5c,44,72,69,76,65,72,73,5c,66,6c,\
70,79,64,69,73,6b,2e,73,79,73,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\fs_rec]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007
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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\fdisk]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,3b,25,53,79,73,74,65,6d,\
52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,32,5c,44,72,69,76,65,72,73,5c,46,74,\
44,69,73,6b,2e,73,79,73,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\i8042prt]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,3b,25,53,79,73,74,65,6d,\
52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,32,5c,64,72,69,76,65,72,73,5c,69,38,\
30,34,32,70,72,74,2e,73,79,73,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\ini910u]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\intelide]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,3b,25,53,79,73,74,65,6d,\
52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,32,5c,44,72,69,76,65,72,73,5c,49,6e,\
74,65,6c,49,64,65,2e,73,79,73,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\IPBOOTP]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,69,70,62,6f,6f,74,70,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\IPNATHLP]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,69,70,6e,61,74,68,6c,70,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\IPRIP2]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,69,70,72,69,70,32,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\IPRouterManage
r]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,6d,70,72,6d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\IPSEC]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,6e,65,74,65,76,65,6e,74,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\ipsraidn]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\IPXCP]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,6d,70,72,6d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007
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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\IPXRIIP]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,6d,70,72,6d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\IPXRouterManag
er]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,6d,70,72,6d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\IPXSAP]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,6d,70,72,6d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\isapnp]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,3b,25,53,79,73,74,65,6d,\
52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,32,5c,64,72,69,76,65,72,73,5c,69,73,\
61,70,6e,70,2e,73,79,73,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\kbdclass]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,3b,25,53,79,73,74,65,6d,\
52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,32,5c,64,72,69,76,65,72,73,5c,6b,62,\
64,63,6c,61,73,73,2e,73,79,73,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\KDC]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,6b,64,63,73,76,63,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\Kerberos]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,6b,65,72,62,65,72,6f,73,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\lbrtfdc]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,3b,25,53,79,73,74,65,6d,\
52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,32,5c,44,72,69,76,65,72,73,5c,6c,62,\
72,74,66,64,63,2e,73,79,73,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\LDM]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,64,6d,61,64,6d,69,6e,2e,65,78,65,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\LDMS]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,64,6d,73,65,72,76,65,72,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\LmHosts]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,6e,65,74,65,76,65,6e,74,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\lp6nds35]
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"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\LsaSrv]
"TypesSupported"=dword:00000007
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,6c,73,61,73,72,76,2e,64,6c,6c,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\Modem]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,3b,25,53,79,73,74,65,6d,\
52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,32,5c,44,72,69,76,65,72,73,5c,4d,6f,\
64,65,6d,2e,73,79,73,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\mouclass]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,3b,25,53,79,73,74,65,6d,\
52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,32,5c,64,72,69,76,65,72,73,5c,4d,6f,\
75,63,6c,61,73,73,2e,73,79,73,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\mraid35x]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\MrxSmb]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,6e,65,74,65,76,65,6e,74,2e,64,6c,6c,3b,25,53,79,73,74,65,6d,\
52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,32,5c,69,6f,6c,6f,67,6d,73,67,2e,64,\
6c,6c,00
"TypesSupported"=dword:00000007
"ParameterMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,\
74,65,6d,33,32,5c,6b,65,72,6e,65,6c,33,32,2e,64,6c,6c,00,5c

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\msadlib]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\msfs]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\Mup]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,6e,65,74,65,76,65,6e,74,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\N100]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,6e,65,74,65,76,65,6e,74,2e,64,6c,6c,3b,25,53,79,73,74,65,6d,\
52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,32,5c,64,72,69,76,65,72,73,5c,6e,31,\
30,30,6e,74,35,2e,73,79,73,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\ncrc710]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\ndis]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,6e,65,74,65,76,65,6e,74,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\NdisWan]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,6d,70,72,6d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:0000001f

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\NetBIOS]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,69,6f,6c,6f,67,6d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\NetBT]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,6e,65,74,65,76,65,6e,74,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\NetDDE]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,6e,65,74,64,64,65,2e,65,78,65,00
"TypesSupported"=dword:0000001f

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\Netlogon]
"ParameterMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,\
74,65,6d,33,32,5c,6b,65,72,6e,65,6c,33,32,2e,64,6c,6c,00
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,6e,65,74,6d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\npfs]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\ntfs]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\NTMS]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,4e,74,6d,73,45,76,74,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\null]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\OSPF]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,6f,73,70,66,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\OSPFMib]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,6f,73,70,66,6d,69,62,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\parallel]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,3b,25,53,79,73,74,65,6d,\
52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,32,5c,64,72,69,76,65,72,73,5c,70,61,\
72,61,6c,6c,65,6c,2e,73,79,73,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\parport]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,3b,25,53,79,73,74,65,6d,\
52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,32,5c,64,72,69,76,65,72,73,5c,70,61,\
72,70,6f,72,74,2e,73,79,73,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\parvdm]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,3b,25,53,79,73,74,65,6d,\
52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,32,5c,44,72,69,76,65,72,73,5c,50,61,\
72,56,64,6d,2e,73,79,73,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\pci]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,3b,25,53,79,73,74,65,6d,\
52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,32,5c,44,72,69,76,65,72,73,5c,50,63,\
69,2e,73,79,73,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\pciide]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,3b,25,53,79,73,74,65,6d,\
52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,32,5c,44,72,69,76,65,72,73,5c,50,63,\
69,49,64,65,2e,73,79,73,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\pcmcia]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,3b,25,53,79,73,74,65,6d,\
52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,32,5c,44,72,69,76,65,72,73,5c,50,63,\
6d,63,69,61,2e,73,79,73,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\PolicyAgent]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,70,6f,6c,61,67,65,6e,74,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\PptpMiniport]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,6e,65,74,65,76,65,6e,74,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\Print]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,4c,6f,63,61,6c,53,70,6c,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\ql1080]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\ql10wnt]

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"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\ql1240]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\ql2100]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\RasAuto]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,6d,70,72,6d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:0000001f

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\RasMan]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,6d,70,72,6d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:0000001f

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\Rdbss]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,6e,65,74,65,76,65,6e,74,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\redbook]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,3b,25,53,79,73,74,65,6d,\
52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,32,5c,64,72,69,76,65,72,73,5c,72,65,\
64,62,6f,6f,6b,2e,73,79,73,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\RemoteAccess]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,6d,70,72,6d,73,67,2e,64,6c,6c,00
"ParameterMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,\
74,65,6d,33,32,5c,69,61,73,73,76,63,73,2e,64,6c,6c,00
"TypesSupported"=dword:0000001f

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\Removable
Storage Service]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,4e,54,4d,53,45,56,54,2e,44,4c,4c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\RSVP]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,72,73,76,70,6d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\SAM]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,73,61,6d,73,72,76,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\Sanman]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,3b,25,53,79,73,74,65,6d,\
52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,32,5c,64,72,69,76,65,72,73,5c,53,61,\

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6e,6d,61,6e,2e,73,79,73,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\Save Dump]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,53,61,76,65,44,75,6d,70,2e,65,78,65,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\SCardSvr]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,53,43,61,72,64,53,76,72,2e,65,78,65,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\Schedule]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,6e,65,74,65,76,65,6e,74,2e,64,6c,6c,00
"ParameterMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,\
74,65,6d,33,32,5c,6b,65,72,6e,65,6c,33,32,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\scsiport]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\serial]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,3b,25,53,79,73,74,65,6d,\
52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,32,5c,64,72,69,76,65,72,73,5c,73,65,\
72,69,61,6c,2e,73,79,73,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\Server]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,6e,65,74,65,76,65,6e,74,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\Service
Control Manager]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,6e,65,74,65,76,65,6e,74,2e,64,6c,6c,00
"ParameterMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,\
74,65,6d,33,32,5c,6b,65,72,6e,65,6c,33,32,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\sfloppy]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\sglfb]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,3b,25,53,79,73,74,65,6d,\
52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,32,5c,44,72,69,76,65,72,73,5c,73,67,\
6c,66,62,2e,73,79,73,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\Simbad]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\sndblst]

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"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\SnetNic]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,3b,25,53,79,73,74,65,6d,\
52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,32,5c,64,72,69,76,65,72,73,5c,56,69,\
76,61,2e,73,79,73,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\SnNdis]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,6e,65,74,65,76,65,6e,74,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\Spad2]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,69,6f,6c,6f,67,6d,73,67,2e,64,6c,6c,3b,25,53,79,73,74,65,6d,\
52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,32,5c,64,72,69,76,65,72,73,5c,73,70,\
61,64,32,2e,73,79,73,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\sparrow]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\Srv]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,6e,65,74,65,76,65,6e,74,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\StillImage]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,73,74,69,73,76,63,2e,65,78,65,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\symc810]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\symc8xx]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\sym_hi]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\sysdown]
"EventMessageFile"=hex(2):00
"ParameterMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,\
74,65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\sysmgmt]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,44,72,69,76,65,72,73,5c,53,79,73,6d,67,6d,74,2e,73,79,73,3b,\
25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,32,5c,49,6f,4c,\

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6f,67,4d,73,67,2e,44,4c,4c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\System]
"CategoryCount"=dword:00000007
"CategoryMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,73,79,73,\
74,65,6d,33,32,5c,65,76,65,6e,74,6c,6f,67,2e,64,6c,6c,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\Tcpip]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,6e,65,74,65,76,65,6e,74,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\TCPMon]
"TypesSupported"=dword:00000007
"EventMessageFile"="%SystemRoot%\System32\tcpmon.dll"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\tdi]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\TermDD]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,6e,74,64,6c,6c,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\TermServDevice
s]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,77,6c,6e,6f,74,69,66,79,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\TermService]
"TypesSupported"=dword:00000007
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,74,65,72,6d,73,72,76,2e,65,78,65,3b,25,53,79,73,74,65,6d,52,\
6f,6f,74,25,5c,53,79,73,74,65,6d,33,32,5c,6e,74,64,6c,6c,2e,64,6c,6c,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\udfs]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\ultra66]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\UPS]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,6e,65,74,6d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\VgaSave]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,3b,25,53,79,73,74,65,6d,\
52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,32,5c,44,72,69,76,65,72,73,5c,76,67,\
61,2e,73,79,73,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\W32Time]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\

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65,6d,33,32,5c,77,33,32,74,69,6d,65,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\Win32k]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,77,69,6e,33,32,6b,2e,73,79,73,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\Windows File
Protection]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,73,66,63,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\Wmi]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,6e,65,74,6d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog\System\Workstation]
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,6e,65,74,6d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\EventSystem]
"Type"=dword:00000020
"Start"=dword:00000003
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):43,3a,5c,57,49,4e,4e,54,5c,53,79,73,74,65,6d,33,32,5c,73,76,\
63,68,6f,73,74,2e,65,78,65,20,2d,6b,20,6e,65,74,73,76,63,73,00
"DisplayName"="COM+ Event System"
"Group"="Network"
"DependOnService"=hex(7):52,50,43,53,53,00,00
"DependOnGroup"=hex(7):00
"ObjectName"="LocalSystem"
"Description"="Provides automatic distribution of events to subscribing COM
components."

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\EventSystem\Parameters]
"ServiceDll"=hex(2):43,3a,5c,57,49,4e,4e,54,5c,53,79,73,74,65,6d,33,32,5c,65,\
73,2e,64,6c,6c,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\EventSystem\Security]
"Security"=hex:01,00,14,80,b4,00,00,00,c0,00,00,00,14,00,00,00,30,00,00,02,\
00,1c,00,01,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,84,00,05,00,00,00,00,00,18,00,fd,01,02,00,01,01,00,00,00,00,\
05,12,00,00,00,00,00,00,00,00,1c,00,ff,01,0f,00,01,02,00,00,00,00,05,\
20,00,00,00,20,02,00,00,00,00,00,00,00,00,18,00,8d,01,02,00,01,01,00,00,00,\
00,00,05,0b,00,00,00,20,02,00,00,00,1c,00,fd,01,02,00,01,02,00,00,00,\
00,05,20,00,00,00,23,02,00,00,00,00,00,00,00,14,00,9d,01,02,00,01,01,00,\
00,00,00,00,01,00,00,00,01,01,00,00,00,00,05,12,00,00,00,01,01,00,00,\
00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\EventSystem\Enum]
"0"="Root\LEGACY_EVENTSYSTEM\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Fastfat]
"ErrorControl"=dword:00000001
"Group"="Boot file system"
"Start"=dword:00000004
"Type"=dword:00000002

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Fastfat\Enum]
"0"="Root\LEGACY_FASTFAT\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Fax]
"Type"=dword:00000110
"Start"=dword:00000003
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):25,73,79,73,74,65,6d,72,6f,6f,74,25,5c,73,79,73,74,65,6d,33,\
32,5c,66,61,78,73,76,63,2e,65,78,65,00
"DisplayName"="Fax Service"
"DependOnService"=hex(7):54,61,70,69,53,72,76,00,52,70,63,53,73,00,50,6c,75,67,\
50,6c,61,79,00,53,70,6f,6f,6c,65,72,00,00
"DependOnGroup"=hex(7):00
"ObjectName"="LocalSystem"
"Description"="Helps you send and receive faxes"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Fax\Performance]
"Open"=hex(2):4f,70,65,6e,46,61,78,50,65,72,66,6f,72,6d,61,6e,63,65,44,61,74,\
61,00
"Close"=hex(2):43,6c,6f,73,65,46,61,78,50,65,72,66,6f,72,6d,61,6e,63,65,44,61,\
74,61,00
"Collect"=hex(2):43,6f,6c,6c,65,63,74,46,61,78,50,65,72,66,6f,72,6d,61,6e,63,\
65,44,61,74,61,00
"Library"=hex(2):25,73,79,73,74,65,6d,72,6f,6f,74,25,5c,73,79,73,74,65,6d,33,\
32,5c,66,61,78,70,65,72,66,2e,64,6c,6c,00
"Last Counter"=dword:00000820
"Last Help"=dword:00000821
"First Counter"=dword:00000802
"First Help"=dword:00000803
"WbemAdapFileTime"=hex:00,60,4e,96,aa,40,bf,01
"WbemAdapFileSize"=dword:00001910
"WbemAdapStatus"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Fax\Security]
"Security"=hex:01,00,14,80,a0,01,00,00,ac,01,00,00,14,00,00,00,30,00,00,02,\
00,1c,00,01,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,70,01,05,00,00,00,00,00,14,00,fd,01,02,00,01,01,00,00,00,00,\
05,12,00,00,00,00,18,00,ff,01,0f,00,01,02,00,00,00,00,05,20,00,00,00,\
20,02,00,00,00,14,00,8d,01,02,00,01,01,00,00,00,00,05,0b,00,00,00,00,\
00,18,00,fd,01,02,00,01,02,00,00,00,00,00,05,20,00,00,00,23,02,00,00,00,\
14,00,14,00,00,00,01,01,00,00,00,00,01,00,00,00,00,00,00,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00,00,05,12,00,00,00,01,01,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Fd16_700]
"ErrorControl"=dword:00000001
"Group"="SCSI miniport"
"Start"=dword:00000004
"Tag"=dword:00000010
"Type"=dword:00000001

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Fdc]
"ErrorControl"=dword:00000001
"Group"="System Bus Extender"
"Start"=dword:00000003
"Tag"=dword:00000002
"Type"=dword:00000001
"SetupDone"=dword:00000001
"DisplayName"="Floppy Disk Controller Driver"
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,44,52,49,56,45,52,53,5c,66,64,63,\
2e,73,79,73,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Fdc\Enum]
"0"="ACPI\PNP0700\5&3b049a2c&0"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\fireport]
"ErrorControl"=dword:00000001
"Group"="SCSI miniport"
"Start"=dword:00000004
"Tag"=dword:0000002d
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\fireport\Parameters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\fireport\Parameters\PnpInterfa
ce]
"5"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\flashpnt]
"ErrorControl"=dword:00000001
"Group"="SCSI miniport"
"Start"=dword:00000004
"Tag"=dword:00000025
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\flashpnt\Parameters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\flashpnt\Parameters\PnpInterfa
ce]
"5"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Flydisk]
"ErrorControl"=dword:00000001
"Group"="Primary disk"
"Start"=dword:00000003
"Tag"=dword:00000002
"Type"=dword:00000001
"DisplayName"="Floppy Disk Driver"
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,44,52,49,56,45,52,53,5c,66,6c,70,\
79,64,69,73,6b,2e,73,79,73,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Flydisk\Enum]
"0"="FDC\GENERIC_FLOPPY_DRIVE\6&255531f1&0&0"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Fs_Rec]
"ErrorControl"=dword:00000000
"Group"="Boot file system"
"Start"=dword:00000001
"Type"=dword:00000008

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Fs_Rec\Enum]
"0"="Root\LEGACY_FS_REC\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Ftdisk]
"ErrorControl"=dword:00000001
"Group"="System Bus Extender"
"Start"=dword:00000000
"Tag"=dword:00000009
"Type"=dword:00000001
"DisplayName"="Volume Manager Driver"
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,44,52,49,56,45,52,53,5c,66,74,64,\
69,73,6b,2e,73,79,73,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Ftdisk\Enum]
"0"="Root\Ftdisk\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Gpc]
"Type"=dword:00000001
"Start"=dword:00000003
"ErrorControl"=dword:00000001
"Tag"=dword:00000003
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,44,52,49,56,45,52,53,5c,6d,73,67,\
70,63,2e,73,79,73,00
"DisplayName"="Generic Packet Classifier"
"Group"="PNP_TDI"
"Description"="Generic Packet Classifier"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Gpc\Security]
"Security"=hex:01,00,14,80,a0,00,00,00,ac,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,70,00,04,00,00,00,00,18,00,fd,01,02,00,01,01,00,00,00,00,00,\
05,12,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,05,\
20,00,00,00,20,02,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00,00,05,0b,00,00,00,20,02,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00,05,20,00,00,00,23,02,00,00,00,00,00,00,00,00,00,00,00,00,05,12,00,00,\
00,01,01,00,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Gpc\Enum]
"0"="Root\LEGACY_GPC\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\i8042prt]
"Type"=dword:00000001
"Start"=dword:00000001
"Group"="Keyboard Port"
"ErrorControl"=dword:00000001
"DisplayName"="i8042 Keyboard and PS/2 Mouse Port Driver"
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,44,52,49,56,45,52,53,5c,69,38,30,\
34,32,70,72,74,2e,73,79,73,00
"Tag"=dword:00000004

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\i8042prt\Parameters]
"LayerDriver_JPN"="kbd101.dll"
"LayerDriver_KOR"="kbd101a.dll"
"PollingIterations"=dword:00002ee0
"PollingIterationsMaximum"=dword:00002ee0
"ResendIterations"=dword:00000003

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\i8042prt\Enum]
"0"="ACPI\PNP0F13\4&3d912c8&0"
"Count"=dword:00000002
"NextInstance"=dword:00000002
"1"="ACPI\PNP0303\4&3d912c8&0"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\IAS]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\IAS\Performance]
"Library"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,\
32,5c,69,61,73,70,65,72,66,2e,64,6c,6c,00
"Open"="OpenPerformanceData"
"Close"="ClosePerformanceData"
"Collect"="CollectPerformanceData"
"Last Counter"=dword:00000924
"Last Help"=dword:00000925
"First Counter"=dword:000008da
"First Help"=dword:000008db
"Object List"="2266 2268 2270 2272"
"WbemAdapFileTime"=hex:00,60,4e,96,aa,40,bf,01
"WbemAdapFileSize"=dword:00005110
"WbemAdapStatus"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\inetaccs]
@=""

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\inetaccs\Parameters]
@=""

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\ini910u]
"ErrorControl"=dword:00000001
"Group"="SCSI miniport"
"Start"=dword:00000004
"Tag"=dword:00000030
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\ini910u\Parameters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\ini910u\Parameters\PnpInterfac
e]
"5"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Inport]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Inport\Parameters]
"HzMode"=dword:00000002

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\IntelIde]
"ErrorControl"=dword:00000001
"Group"="System Bus Extender"
"Start"=dword:00000004
"Tag"=dword:00000004
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\IpFilterDriver]
"Type"=dword:00000001
"Start"=dword:00000003
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,44,52,49,56,45,52,53,5c,69,70,66,\
6c,74,64,72,76,2e,73,79,73,00
"DisplayName"="IP Traffic Filter Driver"
"DependOnService"=hex(7):54,63,70,69,70,00,00
"DependOnGroup"=hex(7):00

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```

"Description"="IP Traffic Filter Driver"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\IpFilterDriver\Security]
"Security"=hex:01,00,14,80,a0,00,00,00,ac,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,70,00,04,00,00,00,00,00,18,00,fd,01,02,00,01,01,00,00,00,00,\
05,12,00,00,00,20,02,00,00,00,1c,00,ff,01,0f,00,01,02,00,00,00,00,05,\
20,00,00,00,20,02,00,00,75,cf,ce,31,00,00,18,00,8d,01,02,00,01,01,00,00,\
00,00,05,0b,00,00,20,02,00,00,00,1c,00,fd,01,02,00,01,02,00,00,00,\
00,05,20,00,00,23,02,00,00,75,cf,ce,31,01,01,00,00,00,05,12,00,00,\
00,01,01,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\IpInIp]
"Type"=dword:00000001
"Start"=dword:00000003
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,44,52,49,56,45,52,53,5c,69,70,69,\
6e,69,70,2e,73,79,73,00
"DisplayName"="IP in IP Tunnel Driver"
"DependOnService"=hex(7):54,63,70,69,70,00,00
"DependOnGroup"=hex(7):00
"Description"="IP in IP Tunnel Driver"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\IpInIp\Security]
"Security"=hex:01,00,14,80,a0,00,00,00,ac,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,70,00,04,00,00,00,00,18,00,fd,01,02,00,01,01,00,00,00,00,\
05,12,00,00,00,20,02,00,00,00,1c,00,ff,01,0f,00,01,02,00,00,00,00,05,\
20,00,00,00,20,02,00,00,00,00,18,00,8d,01,02,00,01,01,00,00,\
00,00,05,0b,00,00,20,02,00,00,00,1c,00,fd,01,02,00,01,02,00,00,00,\
00,05,20,00,00,23,02,00,00,00,00,01,01,00,00,00,05,12,00,00,\
00,01,01,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\IpNat]
"Type"=dword:00000001
"Start"=dword:00000003
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,44,52,49,56,45,52,53,5c,69,70,6e,\
61,74,2e,73,79,73,00
"DisplayName"="IP Network Address Translator"
"DependOnService"=hex(7):54,63,70,69,70,00,00
"DependOnGroup"=hex(7):00
"Description"="IP Network Address Translator"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\IpNat\Security]
"Security"=hex:01,00,14,80,a0,00,00,00,ac,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,70,00,04,00,00,00,00,18,00,fd,01,02,00,01,01,00,00,00,00,\
05,12,00,00,00,20,02,00,00,00,1c,00,ff,01,0f,00,01,02,00,00,00,00,05,\
20,00,00,00,20,02,00,00,00,00,18,00,8d,01,02,00,01,01,00,00,\
00,00,05,0b,00,00,20,02,00,00,00,1c,00,fd,01,02,00,01,02,00,00,00,\
00,05,20,00,00,23,02,00,00,00,00,01,01,00,00,00,05,12,00,00,\
00,01,01,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\IPSEC]
"Type"=dword:00000001
"Start"=dword:00000003
"ErrorControl"=dword:00000001
"Tag"=dword:00000003
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,44,52,49,56,45,52,53,5c,69,70,73,\
65,63,2e,73,79,73,00
"DisplayName"="IPSEC driver"
"Group"="Extended base"

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"Description"="IPSEC driver"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\IPSEC\Security]
"Security"=hex:01,00,14,80,a0,00,00,00,ac,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,70,00,04,00,00,00,00,18,00,fd,01,02,00,01,01,00,00,00,00,\
05,12,00,00,00,70,00,63,00,00,00,1c,00,ff,01,0f,00,01,02,00,00,00,00,05,\
20,00,00,00,20,02,00,00,00,00,18,00,8d,01,02,00,01,01,00,00,\
00,00,05,0b,00,00,20,02,00,00,00,1c,00,fd,01,02,00,01,02,00,00,00,\
00,05,20,00,00,23,02,00,00,00,00,01,01,00,00,00,05,12,00,00,\
00,01,01,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\IPSEC\Enum]
"0"="Root\LEGACY_IPSEC\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\ipsraidn]
"ErrorControl"=dword:00000001
"Group"="SCSI miniport"
"Start"=dword:00000004
"Tag"=dword:00000035
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\ipsraidn\Parameters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\ipsraidn\Parameters\PnpInterfa
ce]
"5"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\ISAPISearch]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\ISAPISearch\Linkage]
"Bind"="\Dummy"
"Export"="\Dummy"
"Route"="\Dummy"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\ISAPISearch\Performance]
"Close"="DoneCIISAPIPerformanceData"
"Collect"="CollectCIISAPIPerformanceData"
"Open"="InitializeCIISAPIPerformanceData"
"Library"="query.dll"
"Last Counter"=dword:00000856
"Last Help"=dword:00000857
"First Counter"=dword:00000842
"First Help"=dword:00000843
"Object List"="2114"
"WbemAdapFileTime"=hex:00,60,4e,96,aa,40,bf,01
"WbemAdapFileSize"=dword:00158710
"WbemAdapStatus"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\isapnp]
"ErrorControl"=dword:00000003
"Group"="Boot Bus Extender"
"Start"=dword:00000000
"Tag"=dword:00000003
"Type"=dword:00000001
"HasBootConfig"=dword:00000000
"DisplayName"="PnP ISA/EISA Bus Driver"
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,44,52,49,56,45,52,53,5c,69,73,61,\
70,6e,70,2e,73,79,73,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\isapnp\Parameters]

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"ADP1502"=dword:00000001
"ADP1505"=dword:00000001
"ADP1510"=dword:00000001
"ADP1512"=dword:00000001
"ADP1515"=dword:00000001
"ADP1520"=dword:00000001
"ADP1522"=dword:00000001
"USR0014"=dword:00000001
"USR1001"=dword:00000001
"USR1002"=dword:00000001
"USR1003"=dword:00000001
"USR1004"=dword:00000001
"USR6001"=dword:00000001
"USR6002"=dword:00000001
"USR6003"=dword:00000001
"USR6004"=dword:00000001
"USR6005"=dword:00000001
"USR6006"=dword:00000001
"USR6007"=dword:00000001
"USR6008"=dword:00000001
"USR6009"=dword:00000001
"USR600A"=dword:00000001
"USR600B"=dword:00000001
"USR600C"=dword:00000001
"USR600D"=dword:00000001
"USR600E"=dword:00000001
"USR600F"=dword:00000001
"USR6010"=dword:00000001
"USR6011"=dword:00000001
"USR6012"=dword:00000001
"USR6101"=dword:00000001
"USR6020"=dword:00000001
"USR0041"=dword:00000001
"USR002C"=dword:00000001
"AZT4029"=dword:00000001
"AZT4023"=dword:00000001
"USR0040"=dword:00000001
"HAY8601"=dword:00000001
"EQX2400"=dword:00000002
"EQX0900"=dword:00000002
"EQX1B00"=dword:00000002
"EQX1700"=dword:00000002
"EQX0700"=dword:00000002
"EQX0F00"=dword:00000002
"EQX0800"=dword:00000002
"EQX1000"=dword:00000002
"EQX3F00"=dword:00000002
"EQX1200"=dword:00000002
"IBM0001"=dword:00000010

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\isapnp\Enum]
"0"="PCI\VEN_1166&DEV_0200&SUBSYS_00000000&REV_4D\3&267a616a&0&78"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\IsmServ]
"DependOnService"=hex(7):53,61,6d,53,53,00,00
"Description"="Allows sending and receiving messages between Windows Advanced Server sites."
"DisplayName"="Intersite Messaging"
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,\
32,5c,69,73,6d,73,65,72,76,2e,65,78,65,00

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"ObjectName"="LocalSystem"
"Start"=dword:00000004
"Type"=dword:00000010

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Kbdclass]
"ErrorControl"=dword:00000001
"Group"="Keyboard Class"
"Start"=dword:00000001
"Tag"=dword:00000001
"Type"=dword:00000001
"DisplayName"="Keyboard Class Driver"
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,44,52,49,56,45,52,53,5c,6b,62,64,\
63,6c,61,73,73,2e,73,79,73,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Kbdclass\Parameters]
"ConnectMultiplePorts"=dword:00000000
"KeyboardDataQueueSize"=dword:00000064
"KeyboardDeviceBaseName"="KeyboardClass"
"MaximumPortsServiced"=dword:00000003
"SendOutputToAllPorts"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Kbdclass\Enum]
"0"="ACPI\PNP0303\4&3d912c8&0"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\kdc]
"DependOnService"=hex(7):52,70,63,53,73,00,41,66,64,00,00
"Description"="Generates session keys and grants service tickets for mutual client/server authentication."
"DisplayName"="Kerberos Key Distribution Center"
"ErrorControl"=dword:00000001
"Group"="RemoteValidation"
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,\
32,5c,6c,73,61,73,73,2e,65,78,65,00
"ObjectName"="LocalSystem"
"Start"=dword:00000004
"Type"=dword:00000020

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\kdc\Security]
"Security"=hex:01,00,14,80,9c,00,00,00,a8,00,00,00,14,00,00,00,34,00,00,00,02,\
00,20,00,01,00,00,00,02,80,18,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,20,02,00,00,02,00,68,00,04,00,00,00,00,03,18,00,8d,00,02,00,01,01,00,\
00,00,00,00,01,00,00,00,00,00,00,00,00,00,03,18,00,ff,01,0f,00,01,02,00,00,\
00,00,05,20,00,00,00,20,02,00,00,03,18,00,8f,00,02,00,01,02,00,00,00,\
00,00,05,20,00,00,23,02,00,00,03,18,00,9d,00,00,00,01,01,00,00,00,00,\
00,05,04,00,00,00,23,02,00,00,01,01,00,00,00,00,00,05,12,00,00,00,01,01,00,\
00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\KSecDD]
"ErrorControl"=dword:00000001
"Group"="Base"
"Start"=dword:00000000
"Tag"=dword:00000001
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\KSecDD\Enum]
"0"="Root\LEGACY_KSECDD\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\lanmanserver]
"Type"=dword:00000020

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"Start"=dword:00000002
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,\
  32,5c,73,65,72,76,69,63,65,73,2e,65,78,65,00
"DisplayName"="Server"
"ObjectName"="LocalSystem"
>Description="Provides RPC support and file, print, and named pipe sharing."

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\lanmanserver\AutotunedParamete
rs]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\lanmanserver\DefaultSecurity]
"SrvsvcConfigInfo"=hex:01,00,04,80,a0,00,00,00,ac,00,00,00,00,00,00,14,00,\
  00,00,02,00,8c,00,05,00,00,00,00,00,1c,00,17,00,0f,00,01,02,00,00,00,00,\
  05,20,00,00,00,20,02,00,00,00,00,00,00,00,00,1c,00,17,00,0f,00,01,02,00,00,\
  00,00,00,05,20,00,00,25,02,00,00,00,00,00,00,00,18,00,17,00,0f,00,01,\
  01,00,00,00,00,05,12,00,00,00,25,02,00,00,00,00,00,00,00,03,00,00,00,01,02,\
  00,00,00,00,05,20,00,00,23,02,00,00,00,00,00,00,00,18,00,01,00,00,\
  00,01,01,00,00,00,05,0b,00,00,00,23,02,00,00,01,01,00,00,00,00,05,\
  12,00,00,00,01,01,00,00,00,00,05,12,00,00,00
"SrvsvcConnection"=hex:01,00,04,80,8c,00,00,00,98,00,00,00,00,00,00,14,00,\
  00,00,02,00,78,00,04,00,00,00,00,00,00,00,1c,00,01,00,0f,00,01,02,00,00,00,\
  05,20,00,00,00,20,02,00,00,00,00,00,00,00,00,1c,00,01,00,0f,00,01,02,00,00,\
  00,00,00,05,20,00,00,25,02,00,00,00,00,00,00,00,00,00,00,00,00,01,\
  02,00,00,00,00,05,20,00,00,26,02,00,00,00,00,00,00,00,00,00,00,1c,00,01,00,\
  00,00,01,02,00,00,00,05,20,00,00,23,02,00,00,00,00,00,00,00,00,01,01,00,\
  00,00,00,05,12,00,00,00,01,01,00,00,00,00,05,12,00,00,00
"SrvsvcServerDiskEnum"=hex:01,00,04,80,54,00,00,00,60,00,00,00,00,00,00,14,\
  00,00,02,00,40,00,00,00,00,00,00,00,00,00,1c,00,01,00,0f,00,01,02,00,00,00,\
  00,05,20,00,00,00,20,02,00,00,00,00,00,00,00,00,1c,00,01,00,0f,00,01,02,00,\
  00,00,00,00,05,20,00,00,25,02,00,00,00,00,00,00,00,00,01,01,00,00,00,00,05,\
  12,00,00,00,01,01,00,00,00,00,05,12,00,00,00
"SrvsvcFile"=hex:01,00,04,80,70,00,00,00,7c,00,00,00,00,00,00,14,00,00,00,\
  02,00,5c,00,03,00,00,00,00,00,1c,00,11,00,0f,00,01,02,00,00,00,00,05,20,\
  00,00,00,20,02,00,00,00,00,00,00,00,00,1c,00,11,00,0f,00,01,02,00,00,00,\
  00,05,20,00,00,00,25,02,00,00,00,00,00,00,00,00,1c,00,11,00,0f,00,01,02,00,\
  00,00,00,00,05,20,00,00,23,02,00,00,00,00,00,00,00,01,01,00,00,00,00,05,\
  12,00,00,00,01,01,00,00,00,00,05,12,00,00,00
"SrvsvcSessionInfo"=hex:01,00,04,80,88,00,00,00,94,00,00,00,00,00,00,14,00,\
  00,00,02,00,74,00,04,00,00,00,00,00,1c,00,13,00,0f,00,01,02,00,00,00,00,\
  05,20,00,00,00,20,02,00,00,00,00,00,00,00,00,1c,00,13,00,0f,00,01,02,00,00,\
  00,00,00,05,20,00,00,25,02,00,00,00,00,00,00,00,00,1c,00,13,00,0f,00,01,\
  02,00,00,00,00,00,05,20,00,00,23,02,00,00,00,00,00,00,00,00,00,18,00,01,00,\
  00,00,01,01,00,00,00,00,05,0b,00,00,00,23,02,00,00,01,01,00,00,00,00,00,\
  05,12,00,00,00,01,01,00,00,00,00,05,12,00,00,00
"SrvsvcShareFileInfo"=hex:01,00,04,80,88,00,00,00,94,00,00,00,00,00,00,14,\
  00,00,00,02,00,74,00,04,00,00,00,00,00,1c,00,13,00,0f,00,01,02,00,00,00,\
  00,05,20,00,00,00,20,02,00,00,00,00,00,00,00,00,1c,00,13,00,0f,00,01,02,00,\
  00,00,00,00,05,20,00,00,25,02,00,00,00,00,00,00,00,00,1c,00,13,00,0f,00,\
  01,02,00,00,00,00,05,20,00,00,23,02,00,00,00,00,00,00,00,00,18,00,01,00,\
  00,00,00,01,01,00,00,00,00,05,0b,00,00,00,23,02,00,00,01,01,00,00,00,00,\
  00,05,12,00,00,00,01,01,00,00,00,00,05,12,00,00,00
"SrvsvcSharePrintInfo"=hex:01,00,04,80,a4,00,00,00,b0,00,00,00,00,00,00,14,\
  00,00,00,02,00,90,00,05,00,00,00,00,00,1c,00,13,00,0f,00,01,02,00,00,00,\
  00,05,20,00,00,00,20,02,00,00,00,00,00,00,00,00,1c,00,13,00,0f,00,01,02,00,\
  00,00,00,00,05,20,00,00,25,02,00,00,00,00,00,00,00,00,1c,00,13,00,0f,00,\
  01,02,00,00,00,00,05,20,00,00,26,02,00,00,00,00,00,00,00,00,1c,00,13,\
  00,0f,00,01,02,00,00,00,00,05,20,00,00,23,02,00,00,00,00,00,00,00,00,00,\
  18,00,01,00,00,00,01,01,00,00,00,00,05,0b,00,00,00,23,02,00,00,01,01,00,\
  00,00,00,00,05,12,00,00,00,01,01,00,00,00,00,05,12,00,00,00
"SrvsvcShareAdminInfo"=hex:01,00,04,80,88,00,00,00,94,00,00,00,00,00,00,14,\
  00,00,00,02,00,74,00,04,00,00,00,00,00,1c,00,13,00,0f,00,01,02,00,00,00,\
  00,05,20,00,00,00,20,02,00,00,00,00,00,00,00,00,1c,00,02,00,00,00,01,02,00,\
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00,00,00,00,05,20,00,00,25,02,00,00,00,00,00,00,00,00,1c,00,02,00,00,00,\
  01,02,00,00,00,00,00,05,20,00,00,00,23,02,00,00,00,00,00,00,00,00,18,00,01,\
  00,00,00,01,01,00,00,00,00,00,05,0b,00,00,00,00,23,02,00,00,01,01,00,00,00,\
  00,05,12,00,00,00,01,01,00,00,00,00,05,12,00,00,00
"SrvsvcShareConnect"=hex:01,00,04,80,88,00,00,00,94,00,00,00,00,00,00,14,00,\
  00,00,02,00,74,00,04,00,00,00,00,00,1c,00,03,00,0f,00,01,02,00,00,00,00,\
  05,20,00,00,00,20,02,00,00,00,00,00,00,00,00,1c,00,03,00,0f,00,01,02,00,00,\
  00,00,00,05,20,00,00,25,02,00,00,00,00,00,00,00,00,1c,00,03,00,0f,00,01,\
  02,00,00,00,00,00,05,20,00,00,27,02,00,00,00,00,00,00,00,00,18,00,01,00,\
  00,00,01,01,00,00,00,00,01,00,00,00,27,02,00,00,01,01,00,00,00,00,00,\
  05,12,00,00,00,01,01,00,00,00,00,05,12,00,00,00
"SrvsvcShareAdminConnect"=hex:01,00,04,80,70,00,00,00,7c,00,00,00,00,00,00,\
  14,00,00,00,02,00,5c,00,03,00,00,00,00,00,1c,00,03,00,0f,00,01,02,00,00,\
  00,00,05,20,00,00,00,20,02,00,00,00,00,00,00,00,00,1c,00,03,00,0f,00,01,02,\
  00,00,00,00,00,05,20,00,00,25,02,00,00,00,00,00,00,00,00,1c,00,03,00,0f,\
  00,01,02,00,00,00,00,05,20,00,00,27,02,00,00,00,00,00,00,00,00,01,01,00,00,\
  00,00,05,12,00,00,00,01,01,00,00,00,00,05,12,00,00,00
"SrvsvcStatisticsInfo"=hex:01,00,04,80,6c,00,00,00,78,00,00,00,00,00,00,14,\
  00,00,00,02,00,58,00,03,00,00,00,00,1c,00,01,00,0f,00,01,02,00,00,00,\
  00,05,20,00,00,00,20,02,00,00,00,00,00,00,00,00,1c,00,01,00,0f,00,01,02,00,\
  00,00,00,00,05,20,00,00,25,02,00,00,00,00,00,00,00,00,18,00,01,00,00,00,\
  01,01,00,00,00,00,00,02,00,00,00,25,02,00,00,01,01,00,00,00,00,05,12,\
  00,00,00,01,01,00,00,00,00,05,12,00,00,00
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\lanmanserver\Linkage]
"Bind"=hex(7):5c,44,65,76,69,63,65,5c,4e,65,74,62,69,6f,73,53,6d,62,00,5c,44,\
  65,76,69,63,65,5c,4e,65,74,42,54,5f,54,63,70,69,70,5f,7b,43,41,31,31,30,44,\
  37,45,2d,41,39,45,36,2d,34,38,41,41,2d,39,42,30,31,2d,35,41,35,36,37,30,43,\
  44,34,41,37,44,70,00,5c,44,65,76,69,63,65,5c,4e,65,74,42,54,5f,54,63,70,69,\
  70,5f,7b,31,33,42,38,34,45,44,38,2d,30,46,33,34,2d,34,42,37,45,2d,39,34,42,\
  30,2d,45,43,34,46,41,36,45,38,35,36,45,42,7d,00,5c,44,65,76,69,63,65,5c,4e,\
  65,74,42,54,5f,54,63,70,69,70,5f,7b,35,30,33,41,36,45,43,41,2d,43,34,38,39,\
  2d,34,45,43,32,2d,41,39,36,44,2d,42,42,37,34,37,31,42,42,30,44,36,43,7d,00,\
  5c,44,65,76,69,63,65,5c,4e,65,74,42,54,5f,54,63,70,69,70,5f,7b,38,36,36,30,\
  33,34,30,46,2d,46,44,33,37,2d,34,30,41,41,2d,42,38,38,37,2d,39,44,44,43,36,\
  43,35,45,31,32,44,45,7d,00,5c,44,65,76,69,63,65,5c,4e,65,74,42,54,5f,54,63,\
  70,69,70,5f,7b,33,45,45,44,30,37,33,30,2d,44,37,38,32,2d,34,32,32,37,2d,41,\
  41,30,45,2d,42,33,38,35,33,31,46,37,44,31,46,42,7d,00,5c,44,65,76,69,63,65,\
  5c,4e,65,74,42,54,5f,54,63,70,69,70,5f,7b,37,44,45,34,31,34,32,32,2d,42,30,\
  30,43,2d,34,42,33,46,2d,42,35,42,32,2d,32,39,39,35,37,36,46,37,35,32,36,45,\
  7d,00,5c,44,65,76,69,63,65,5c,4e,65,74,42,54,5f,54,63,70,69,70,5f,7b,41,32,\
  32,37,44,33,36,33,2d,38,43,32,39,2d,34,32,32,35,2d,41,44,36,44,2d,36,45,32,\
  34,38,36,41,30,46,38,46,36,7d,00,00
"Route"=hex(7):22,4e,65,74,62,69,6f,73,53,6d,62,22,00,22,4e,65,74,42,54,22,20,\
  22,54,63,70,69,70,22,20,22,7b,43,41,31,31,30,44,37,45,2d,41,39,45,36,2d,34,\
  38,41,41,2d,39,42,30,31,2d,35,41,35,36,37,30,43,44,34,41,37,44,7d,22,00,22,\
  4e,65,74,42,54,22,20,22,54,63,70,69,70,22,20,22,7b,31,33,42,38,34,45,44,38,\
  2d,30,46,33,2d,34,42,37,45,2d,39,34,42,30,2d,45,43,34,46,41,36,45,38,35,\
  36,45,42,7d,22,00,22,4e,65,74,42,54,22,20,22,54,63,70,69,70,22,20,22,7b,35,\
  30,33,41,36,45,43,41,2d,43,34,38,39,2d,34,45,43,32,2d,41,39,36,44,2d,42,42,\
  37,34,37,31,30,42,30,44,36,43,7d,22,00,22,4e,65,74,42,54,22,20,22,54,63,70,\
  69,70,22,20,22,7b,38,36,36,30,33,34,30,46,2d,46,44,33,37,2d,34,30,41,41,2d,\
  42,38,38,37,2d,39,44,44,43,36,43,35,45,31,32,44,45,7d,22,00,22,4e,65,74,42,\
  54,22,20,22,54,63,70,69,70,22,20,22,7b,33,45,45,44,30,37,33,30,2d,44,37,38,\
  32,2d,34,32,32,37,2d,41,41,30,45,2d,42,31,38,35,33,31,46,37,44,31,46,42,7d,\
  22,00,22,4e,65,74,42,54,22,20,22,54,63,70,69,70,22,20,22,4e,64,69,73,57,61,\
  6e,49,70,22,00,00
"Export"=hex(7):5c,44,65,76,69,63,65,5c,4c,61,6e,6d,61,6e,53,65,72,76,65,72,5f,\
  4e,65,74,62,69,6f,73,53,6d,62,00,5c,44,65,76,69,63,65,5c,4c,61,6e,6d,61,6e,\
  53,65,72,76,65,72,5f,4e,65,74,42,54,5f,54,63,70,69,70,5f,7b,43,41,31,31,30,\
  44,37,45,2d,41,39,45,36,2d,34,38,41,41,2d,39,42,30,31,2d,35,41,35,36,37,30,\
  43,44,34,41,37,44,7d,00,5c,44,65,76,69,63,65,5c,4c,61,6e,6d,61,6e,53,65,72,\
  76,65,72,5f,4e,65,74,42,54,5f,54,63,70,69,70,5f,7b,31,33,42,38,34,45,44,38,\
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2d,30,46,33,34,2d,34,42,37,45,2d,39,34,42,30,2d,45,43,34,46,41,36,45,38,35,\
36,45,42,7d,00,5c,44,65,76,69,63,65,5c,4c,61,6e,6d,61,6e,53,65,72,76,65,72,\
5f,4e,65,74,42,54,5f,54,63,70,69,70,5f,7b,35,30,33,41,36,45,43,41,2d,43,34,\
38,39,2d,34,45,43,32,2d,41,39,36,44,2d,42,42,37,34,37,31,30,42,30,44,36,43,\
7d,00,5c,44,65,76,69,63,65,5c,4c,61,6e,6d,61,6e,53,65,72,76,65,72,5f,4e,65,\
74,42,54,5f,54,63,70,69,70,5f,7b,38,36,36,30,33,34,30,46,2d,46,44,33,37,2d,\
34,30,41,41,2d,42,38,38,37,2d,39,44,44,43,36,43,35,45,31,32,44,45,7d,00,5c,\
44,65,76,69,63,65,5c,4c,61,6e,6d,61,6e,53,65,72,76,65,72,5f,4e,65,74,42,54,\
5f,54,63,70,69,70,5f,7b,33,45,44,44,30,37,33,30,2d,44,37,38,32,2d,34,32,32,\
37,2d,41,41,30,45,2d,42,31,38,35,33,31,46,37,44,31,46,42,7d,00,5c,44,65,76,\
69,63,65,5c,4c,61,6e,6d,61,6e,53,65,72,76,65,72,5f,4e,65,74,42,54,5f,54,63,\
70,69,70,5f,7b,37,44,45,34,31,34,32,32,2d,42,30,30,43,2d,34,42,33,46,2d,42,\
35,42,32,2d,32,39,39,35,37,36,46,37,35,32,36,45,7d,00,5c,44,65,76,69,63,65,\
5c,4c,61,6e,6d,61,6e,53,65,72,76,65,72,5f,4e,65,74,42,54,5f,54,63,70,69,70,\
5f,7b,41,32,32,37,44,33,36,33,2d,38,43,32,39,2d,34,32,32,35,2d,41,44,36,44,\
2d,36,45,32,34,38,36,41,30,46,38,46,36,7d,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\lanmanserver\parameters]
"autodisconnect"=dword:0000000f
"enableforcedlogoff"=dword:00000001
"enablesecuritysignature"=dword:00000000
"requiresecuritysignature"=dword:00000000
"NullSessionPipes"=hex(7):43,4f,4d,4e,41,50,00,43,4f,4d,4e,4f,44,45,00,53,51,\
4c,5c,51,55,45,52,59,00,53,50,4f,4f,4c,53,53,00,4c,4c,53,52,50,43,00,45,50,\
4d,41,50,50,45,52,00,4c,4f,43,41,54,4f,52,00,54,72,6b,57,6b,73,00,54,72,6b,\
53,76,72,00,00
"NullSessionShares"=hex(7):43,4f,4d,43,46,47,00,44,46,53,24,00,00
"Lmannounce"=dword:00000000
"Size"=dword:00000003
"Guid"=hex:c4,77,f9,2e,54,d4,41,4c,b2,12,6e,87,d7,0f,af,2f

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\lanmanserver\Security]
"Security"=hex:01,00,14,80,a8,00,00,00,b4,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,78,00,05,00,00,00,00,00,14,00,8d,01,02,00,01,01,01,00,00,00,00,\
05,0b,00,00,00,00,00,18,00,9d,01,02,00,01,02,00,00,00,00,05,20,00,00,00,\
23,02,00,00,00,00,18,00,ff,01,0f,00,01,02,00,00,00,00,05,20,00,00,00,20,\
02,00,00,00,00,18,00,ff,01,0f,00,01,02,00,00,00,00,05,20,00,00,00,25,02,\
00,00,00,00,14,00,fd,01,02,00,01,01,00,00,00,00,05,12,00,00,00,01,01,00,\
00,00,00,00,05,12,00,00,00,01,01,00,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\lanmanserver\Shares]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\lanmanserver\Shares\Security]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\lanmanserver\Enum]
"0"="Root\LEGACY_LANMANSERVER\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\lanmanworkstation]
"Type"=dword:00000020
"Start"=dword:00000002
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,\
32,5c,73,65,72,76,69,63,65,73,2e,65,78,65,00
"DisplayName"="Workstation"
"Group"="NetworkProvider"
"ObjectName"="LocalSystem"
"Description"="Provides network connections and communications."

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\lanmanworkstation\Linkage]
"Bind"=hex(7):5c,44,65,76,69,63,65,5c,4e,65,74,62,69,6f,73,53,6d,62,00,5c,44,\
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65,76,69,63,65,5c,4e,65,74,42,54,5f,54,63,70,69,70,5f,7b,43,41,31,31,30,44,\
37,45,2d,41,39,45,36,2d,34,38,41,41,2d,39,42,30,31,2d,35,41,35,36,37,30,43,\
44,34,41,37,44,7d,00,5c,44,65,76,69,63,65,5c,4e,65,74,42,54,5f,54,63,70,69,\
70,5f,7b,31,33,42,38,34,45,44,38,2d,30,46,33,34,2d,34,42,37,45,2d,39,34,42,\
30,2d,45,43,34,46,41,36,45,38,35,36,45,42,7d,00,5c,44,65,76,69,63,65,5c,4e,\
65,74,42,54,5f,54,63,70,69,70,5f,7b,35,30,33,41,36,45,43,41,2d,43,34,38,39,\
2d,34,45,43,32,2d,41,39,36,44,2d,42,42,37,34,37,31,30,42,30,44,36,43,7d,00,\
5c,44,65,76,69,63,65,5c,4e,65,74,42,54,5f,54,63,70,69,70,5f,7b,38,36,36,30,\
33,34,30,46,2d,46,44,33,37,2d,34,30,41,41,2d,42,38,38,37,2d,39,44,44,43,36,\
43,35,45,31,32,44,45,7d,00,5c,44,65,76,69,63,65,5c,4e,65,74,42,54,5f,54,63,\
70,69,70,5f,7b,33,45,45,44,30,37,33,30,2d,44,37,38,32,2d,34,32,32,37,2d,41,\
41,30,45,2d,42,31,38,35,33,31,46,37,44,31,46,42,7d,00,5c,44,65,76,69,63,65,\
5c,4e,65,74,42,54,5f,54,63,70,69,70,5f,7b,37,44,45,34,31,34,32,32,2d,42,30,\
30,43,2d,34,42,33,46,2d,42,35,42,32,2d,32,39,39,35,37,36,46,37,35,32,36,45,\
7d,00,5c,44,65,76,69,63,65,5c,4e,65,74,42,54,5f,54,63,70,69,70,5f,7b,41,32,\
32,37,44,33,36,33,2d,38,43,32,39,2d,34,32,32,35,2d,41,44,36,44,2d,36,45,32,\
34,38,36,41,30,46,38,46,36,7d,00,00
"Route"=hex(7):22,4e,65,74,62,69,6f,73,53,6d,62,22,00,22,4e,65,74,42,54,22,20,\
22,54,63,70,69,70,22,20,2d,7b,43,41,31,31,30,44,37,45,2d,41,39,45,36,2d,34,\
38,41,41,2d,39,42,30,31,2d,35,41,35,36,37,30,43,44,34,41,37,44,7d,22,00,22,\
4e,65,74,42,54,22,20,22,54,63,70,69,70,22,20,2d,7b,31,33,42,38,34,45,44,38,\
2d,30,46,33,34,2d,34,42,37,45,2d,39,34,42,30,2d,45,43,34,46,41,36,45,38,35,\
36,45,42,7d,22,00,22,4e,65,74,42,54,22,20,22,54,63,70,69,70,22,20,2d,7b,35,\
30,33,41,36,45,43,41,2d,43,34,38,39,2d,34,45,43,32,2d,41,39,36,44,2d,42,\
37,34,37,31,30,42,30,44,36,43,7d,22,00,22,4e,65,74,42,54,22,20,22,54,63,70,\
69,70,22,20,2d,7b,38,36,36,30,33,34,30,46,2d,46,44,33,37,2d,34,30,41,41,2d,\
42,38,38,37,2d,39,44,44,43,36,43,35,45,31,32,44,45,7d,22,00,22,4e,65,74,42,\
54,22,20,22,54,63,70,69,70,22,20,2d,7b,33,45,44,44,30,37,33,30,2d,44,37,38,\
32,2d,34,32,32,37,2d,41,41,30,45,2d,42,31,38,35,33,31,46,37,44,31,46,42,7d,\
22,00,22,4e,65,74,42,54,22,20,22,54,63,70,69,70,22,20,22,4e,64,69,73,57,61,\
6e,49,70,22,00,00
"Export"=hex(7):5c,44,65,76,69,63,65,5c,4c,61,6e,6d,61,6e,57,6f,72,6b,73,74,61,\
74,69,6f,6e,5f,4e,65,74,62,69,6f,73,53,6d,62,00,5c,44,65,76,69,63,65,5c,4c,\
61,6e,6d,61,6e,57,6f,72,6b,73,74,61,74,69,6f,6e,5f,4e,65,74,42,54,5f,54,63,\
70,69,70,5f,7b,43,41,31,31,30,44,37,45,2d,41,39,45,36,2d,34,38,41,41,2d,39,\
42,30,31,2d,35,41,35,36,37,30,43,44,34,41,37,44,7d,00,5c,44,65,76,69,63,65,\
5c,4c,61,6e,6d,61,6e,57,6f,72,6b,73,74,61,74,69,6f,6e,5f,4e,65,74,42,54,5f,\
54,63,70,69,70,5f,7b,31,33,42,38,34,45,44,38,2d,30,46,33,34,2d,34,42,37,45,\
2d,39,34,42,30,2d,45,43,34,46,41,36,45,38,35,36,45,42,7d,00,5c,44,65,76,69,\
63,65,5c,4c,61,6e,6d,61,6e,57,6f,72,6b,73,74,61,74,69,6f,6e,5f,4e,65,74,42,\
54,5f,54,63,70,69,70,5f,7b,35,30,33,41,36,45,43,41,2d,43,34,38,39,2d,34,45,\
43,32,2d,41,39,36,44,2d,42,37,34,37,31,30,42,30,44,36,43,7d,00,5c,44,65,\
76,69,63,65,5c,4c,61,6e,6d,61,6e,57,6f,72,6b,73,74,61,74,69,6f,6e,5f,4e,65,\
74,42,54,5f,54,63,70,69,70,5f,7b,38,36,36,30,33,34,30,46,2d,46,44,33,37,2d,\
34,30,41,41,2d,42,38,38,37,2d,39,44,44,43,36,43,35,45,31,32,44,45,7d,00,5c,\
44,65,76,69,63,65,5c,4c,61,6e,6d,61,6e,57,6f,72,6b,73,74,61,74,69,6f,6e,5f,\
4e,65,74,42,54,5f,54,63,70,69,70,5f,7b,33,45,45,44,30,37,33,30,2d,44,37,38,\
32,2d,34,32,32,37,2d,41,41,30,45,2d,42,31,38,35,33,31,46,37,44,31,46,42,7d,\
00,5c,44,65,76,69,63,65,5c,4c,61,6e,6d,61,6e,57,6f,72,6b,73,74,61,74,69,6f,\
6e,5f,4e,65,74,42,54,5f,54,63,70,69,70,5f,7b,37,44,45,34,31,34,32,32,2d,42,\
30,30,43,2d,34,42,33,46,2d,42,35,42,32,2d,32,39,39,35,37,36,46,37,35,32,36,\
45,7d,00,5c,44,65,76,69,63,65,5c,4c,61,6e,6d,61,6e,57,6f,72,6b,73,74,61,74,\
69,6f,6e,5f,4e,65,74,42,54,5f,54,63,70,69,70,5f,7b,41,32,32,37,44,33,36,33,\
2d,38,43,32,39,2d,34,32,32,35,2d,41,44,36,44,2d,36,45,32,34,38,36,41,30,46,\
38,46,36,7d,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\lanmanworkstation\NetworkProvi
der]
"Name"="Microsoft Windows Network"
"ProviderPath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,\
33,32,5c,6e,74,6c,61,6e,6d,61,6e,2e,64,6c,6c,00
"DeviceName"="\Device\lanmanRedirector"
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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\lanmanworkstation\parameters]
"enableplaintextpassword"=dword:00000000
"enablesecuritysignature"=dword:00000001
"requiresecuritysignature"=dword:00000000
"OtherDomains"=hex(7):00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\lanmanworkstation\Security]
"Security"=hex:01,00,14,80,a8,00,00,00,b4,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,78,00,05,00,00,00,00,00,14,00,8d,01,02,00,01,01,00,00,00,00,\
05,0b,00,00,00,00,18,00,9d,01,02,00,01,02,00,00,00,00,05,20,00,00,00,\
23,02,00,00,00,18,00,ff,01,0f,00,01,02,00,00,00,00,05,20,00,00,00,20,\
02,00,00,00,18,00,ff,01,0f,00,01,02,00,00,00,00,05,20,00,00,25,02,\
00,00,00,00,14,00,fd,01,02,00,01,01,00,00,00,00,05,12,00,00,00,01,01,00,\
00,00,00,00,05,12,00,00,00,01,01,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\lanmanworkstation\Enum]
"0"="Root\LEGACY_LANMANWORKSTATION\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\lbrtfdc]
"ErrorControl"=dword:00000000
"Group"="System Bus Extender"
"Start"=dword:00000001
"Tag"=dword:0000000e
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\LicenseInfo]
"ErrorControl"=dword:00000001
"Start"=dword:00000003
"Type"=dword:00000004

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\LicenseInfo\FilePrint]
"Mode"=dword:00000000
"ConcurrentLimit"=dword:00000000
"FlipAllow"=dword:00000000
"FamilyDisplayName"="Windows Server"
"DisplayName"="Windows Server"
"LocalKey"=dword:00000002

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\LicenseInfo\MSSQL8.00]
"DisplayName"="Microsoft SQL Server 8.00"
"FlipAllow"=dword:00000001
"ConcurrentLimit"=dword:00000000
"FamilyDisplayName"="Microsoft SQL Server"
"Mode"=dword:00000000
"LocalKey"=dword:00000005

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\LicenseService]
"Type"=dword:00000010
"Start"=dword:00000002
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,\
32,5c,6c,6c,73,73,72,76,2e,65,78,65,00
"DisplayName"="License Logging Service"
"ObjectName"="LocalSystem"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\LicenseService\FilePrint]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\LicenseService\FilePrint\KSecD]

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\LicenseService\FilePrint\MSAfpSrv]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\LicenseService\FilePrint\SMBServer]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\LicenseService\FilePrint\TCP/IP Print Server]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\LicenseService\FilePrint\TermsService]
@=""

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\LicenseService\Parameters]
"UseEnterprise"=dword:00000000
"ReplicationType"=dword:00000000
"ReplicationTime"=dword:00015180
"EnterpriseServer"=""

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\LicenseService\Security]
"Security"=hex:01,00,14,80,a8,00,00,00,b4,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,78,00,05,00,00,00,00,00,14,00,8d,01,02,00,01,01,00,00,00,00,\
05,0b,00,00,00,00,18,00,9d,01,02,00,01,02,00,00,00,00,05,20,00,00,00,\
23,02,00,00,00,18,00,ff,01,0f,00,01,02,00,00,00,00,05,20,00,00,00,20,\
02,00,00,00,18,00,ff,01,0f,00,01,02,00,00,00,00,05,20,00,00,25,02,\
00,00,00,00,14,00,fd,01,02,00,01,01,00,00,00,00,05,12,00,00,00,01,01,00,\
00,00,00,00,05,12,00,00,00,01,01,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\LicenseService\Enum]
"0"="Root\LEGACY_LICENSESERVICE\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\LmHosts]
"Type"=dword:00000020
"Start"=dword:00000002
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,\
32,5c,73,65,72,76,69,63,65,73,2e,65,78,65,00
"DisplayName"="TCP/IP NetBIOS Helper Service"
"Group"="TDI"
"DependOnService"=hex(7):4e,65,74,42,54,00,41,66,64,00,00
"DependOnGroup"=hex(7):00
"ObjectName"="LocalSystem"
"Description"="Enables support for NetBIOS over TCP/IP (NetBT) service and NetBIOS name resolution."

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\LmHosts\Security]
"Security"=hex:01,00,14,80,a8,00,00,00,b4,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,78,00,05,00,00,00,00,00,14,00,8d,01,02,00,01,01,00,00,00,00,\
05,0b,00,00,00,00,18,00,9d,01,02,00,01,02,00,00,00,00,05,20,00,00,00,\
23,02,00,00,00,18,00,ff,01,0f,00,01,02,00,00,00,00,05,20,00,00,00,20,\
02,00,00,00,18,00,ff,01,0f,00,01,02,00,00,00,00,05,20,00,00,25,02,\
00,00,00,00,14,00,fd,01,02,00,01,01,00,00,00,00,05,12,00,00,00,01,01,00,\
00,00,00,00,05,12,00,00,00,01,01,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\LmHosts\Enum]
"0"="Root\LEGACY_LMHOSTS\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\lp6nds35]
"ErrorControl"=dword:00000001
"Group"="SCSI miniport"
"Start"=dword:00000004
"Tag"=dword:00000027
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\lp6nds35\Parameters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\lp6nds35\Parameters\PnpInterfa
ce]
"5"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Messenger]
"Type"=dword:00000020
"Start"=dword:00000002
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,\
32,5c,73,65,72,76,69,63,65,73,2e,65,78,65,00
"DisplayName"="Messenger"
"DependOnService"=hex(7):4c,61,6e,6d,61,6e,57,6f,72,6b,73,74,61,74,69,6f,6e,00,\
4e,65,74,42,49,4f,53,00,52,70,63,53,53,00,00
"DependOnGroup"=hex(7):00
"ObjectName"="LocalSystem"
"Description"="Sends and receives messages transmitted by administrators or by the
Alerter service."

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Messenger\Security]
"Security"=hex:01,00,14,80,a8,00,00,00,b4,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,78,00,05,00,00,00,00,14,00,8d,01,02,00,01,01,00,00,00,00,\
05,0b,00,00,00,00,18,00,9d,01,02,00,01,02,00,00,00,00,05,20,00,00,00,\
23,02,00,00,00,00,18,00,ff,01,0f,00,01,02,00,00,00,00,05,20,00,00,00,20,\
02,00,00,00,00,18,00,ff,01,0f,00,01,02,00,00,00,00,05,20,00,00,00,25,02,\
00,00,00,00,14,00,fd,01,02,00,01,01,00,00,00,00,05,12,00,00,00,01,01,00,\
00,00,00,00,05,12,00,00,00,01,01,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Messenger\Enum]
"0"="Root\LEGACY_MESSENGER\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\mmdd]
"ErrorControl"=dword:00000000
"Group"="Video Save"
"Start"=dword:00000001
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\mmdd\Device0]
"InstalledDisplayDrivers"=hex(7):6d,6e,6d,64,64,00,00
"Device Description"="NetMeeting driver"
"VgaCompatible"=dword:00000000
"MirrorDriver"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\mmdd\Enum]
"0"="Root\LEGACY_MMDD\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\mmmsrv]
"Type"=dword:00000110
"Start"=dword:00000003
"ErrorControl"=dword:00000001

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"ImagePath"=hex(2):43,3a,5c,57,49,4e,4e,54,5c,53,79,73,74,65,6d,33,32,5c,6d,6e,\
6d,73,72,76,63,2e,65,78,65,00
"DisplayName"="NetMeeting Remote Desktop Sharing"
"ObjectName"="LocalSystem"
"Description"="Allows authorized people to remotely access your Windows desktop
using NetMeeting."

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\mmmsrv\Security]
"Security"=hex:01,00,14,80,a0,00,00,00,ac,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,70,00,04,00,00,00,00,00,18,00,fd,01,02,00,01,01,00,00,00,00,\
05,12,00,00,00,00,00,00,00,00,1c,00,ff,01,0f,00,01,02,00,00,00,00,05,\
20,00,00,00,20,02,00,00,78,06,00,00,00,00,18,00,8d,01,02,00,01,01,00,00,\
00,00,05,0b,00,00,00,20,02,00,00,00,00,1c,00,fd,01,02,00,01,02,00,00,00,\
00,05,20,00,00,00,23,02,00,00,78,06,00,00,01,01,00,00,00,00,05,12,00,00,\
00,01,01,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Modem]
"ErrorControl"=dword:00000000
"Group"="Extended base"
"Start"=dword:00000003
"Tag"=dword:00000004
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Modem\Parameters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Mouclass]
"ErrorControl"=dword:00000001
"Group"="Pointer Class"
"Start"=dword:00000001
"Tag"=dword:00000001
"Type"=dword:00000001
"DisplayName"="Mouse Class Driver"
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,44,52,49,56,45,52,53,5c,6d,6f,75,\
63,6c,61,73,73,2e,73,79,73,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Mouclass\Parameters]
"ConnectMultiplePorts"=dword:00000000
"MaximumPortsServiced"=dword:00000003
"MouseDataQueueSize"=dword:00000064
"PointerDeviceBaseName"="PointerClass"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Mouclass\Enum]
"0"="ACPI\PNP0F13\463d912c8&0"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\MountMgr]
"ErrorControl"=dword:00000001
"Group"="System Bus Extender"
"Start"=dword:00000000
"Tag"=dword:00000008
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\MountMgr\Enum]
"0"="Root\LEGACY_MOUNTMGR\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\mraid35x]
"ErrorControl"=dword:00000001
"Group"="SCSI miniport"
"Start"=dword:00000004

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"Tag"=dword:0000002b
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\mraid35x\Parameters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\mraid35x\Parameters\PnpInterface]
"5"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\MRxSmb]
"Type"=dword:00000002
"Start"=dword:00000001
"ErrorControl"=dword:00000001
"Tag"=dword:00000005
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,44,52,49,56,45,52,53,5c,6d,72,78,\
73,6d,62,2e,73,79,73,00
"DisplayName"="MRXSMB"
"Group"="Network"
"Description"="MRXSMB"
"LastLoadStatus"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\MRxSmb\Parameters]
"CscEnabled"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\MRxSmb\Security]
"Security"=hex:01,00,14,80,a0,00,00,00,ac,00,00,00,14,00,00,00,30,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,70,00,04,00,00,00,00,18,00,fd,01,02,00,01,01,00,00,00,00,00,\
05,12,00,00,00,02,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,05,\
20,00,00,00,20,02,00,00,03,00,00,00,00,18,00,8d,01,02,00,01,01,00,00,00,\
00,00,05,0b,00,00,00,20,02,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00,05,20,00,00,00,23,02,00,00,03,00,00,00,01,01,00,00,00,00,00,05,12,00,00,\
00,01,01,00,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\MRxSmb\Enum]
"0"="Root\LEGACY_MRXSMB\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\MSDTC]
"Type"=dword:00000110
"Start"=dword:00000002
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):43,3a,5c,57,49,4e,4e,54,5c,53,79,73,74,65,6d,33,32,5c,6d,73,\
64,74,63,2e,65,78,65,00
"DisplayName"="Distributed Transaction Coordinator"
"Group"="MS Transactions"
"DependOnService"=hex(7):52,50,43,53,53,00,53,61,6d,53,53,00,00
"DependOnGroup"=hex(7):00
"ObjectName"="LocalSystem"
"Description"="Coordinates transactions that are distributed across two or more
databases, message queues, file systems, or other transaction protected resource
managers."

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\MSDTC\Performance]
"Library"="msdtcui.DLL"
"Open"="DtcPerfOpen"
"Collect"="DtcPerfCollect"
"Close"="DtcPerfClose"
"Last Counter"=dword:00000800
"Last Help"=dword:00000801
"First Counter"=dword:000007e6
"First Help"=dword:000007e7

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"Object List"="2022"
"WbemAdapFileTime"=hex:00,60,4e,96,aa,40,bf,01
"WbemAdapFileSize"=dword:00023510
"WbemAdapStatus"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\MSDTC\Security]
"Security"=hex:01,00,14,80,bc,00,00,00,c8,00,00,00,14,00,00,00,30,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,8c,00,06,00,00,00,00,00,14,00,8d,01,02,00,01,01,00,00,00,00,\
05,0b,00,00,00,00,18,00,9d,01,02,00,01,02,00,00,00,00,00,00,05,20,00,00,\
23,02,00,00,00,18,00,ff,01,0f,00,01,02,00,00,00,00,00,05,20,00,00,20,\
02,00,00,00,18,00,ff,01,0f,00,01,02,00,00,00,00,00,05,20,00,00,25,02,\
00,00,00,00,14,00,fd,01,02,00,01,01,00,00,00,00,00,05,12,00,00,00,00,14,\
00,10,00,00,00,01,01,00,00,00,00,00,01,00,00,00,00,01,01,00,00,00,00,05,\
12,00,00,00,01,01,00,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\MSDTC\Enum]
"0"="Root\LEGACY_MSRTC\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Msfs]
"ErrorControl"=dword:00000001
"Group"="File system"
"Start"=dword:00000001
"Type"=dword:00000002

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Msfs\Enum]
"0"="Root\LEGACY_MSFS\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\MSIServer]
"Description"="Installs, repairs and removes software according to instructions
contained in .MSI files."
"Type"=dword:00000120
"Start"=dword:00000003
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):43,3a,5c,57,49,4e,4e,54,5c,73,79,73,74,65,6d,33,32,5c,6d,73,\
69,65,78,65,63,2e,65,78,65,20,2f,56,00
"DisplayName"="Windows Installer"
"ObjectName"="LocalSystem"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\MSIServer\Security]
"Security"=hex:01,00,14,80,a0,00,00,00,ac,00,00,00,14,00,00,00,30,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,70,00,04,00,00,00,00,00,18,00,fd,01,02,00,01,01,00,00,00,00,\
05,12,00,00,00,00,00,00,05,00,00,00,00,00,00,00,00,00,00,00,00,05,\
20,00,00,00,20,02,00,00,12,00,00,00,00,18,00,8d,01,02,00,01,01,00,00,\
00,00,05,0b,00,00,00,20,02,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00,05,20,00,00,00,23,02,00,00,12,00,00,00,01,01,00,00,00,00,00,05,12,00,00,\
00,01,01,00,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\MSIServer\Enum]
"0"="Root\LEGACY_MSISERVER\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\MSKSSRV]
"Type"=dword:00000001
"Start"=dword:00000003
"ErrorControl"=dword:00000001
"Tag"=dword:00000003

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"ImagePath"=hex(2):73,79,73,74,65,6d,33,32,5c,64,72,69,76,65,72,73,5c,4d,53,4b,\
53,53,52,56,2e,73,79,73,00
"DisplayName"="Microsoft Streaming Service Proxy"
"Group"="ExtendedBase"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\MSKSSRV\Security]
"Security"=hex:01,00,14,80,a0,00,00,00,ac,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,00,01,00,00,\
00,00,02,00,70,00,04,00,00,00,00,00,18,00,fd,01,02,00,01,01,00,00,00,00,00,\
05,12,00,00,00,74,00,6c,00,00,00,1c,00,ff,01,0f,00,01,02,00,00,00,00,00,05,\
20,00,00,00,20,02,00,00,00,00,00,00,18,00,8d,01,02,00,01,01,00,00,00,\
00,00,05,0b,00,00,00,20,02,00,00,00,00,1c,00,fd,01,02,00,01,02,00,00,00,\
00,05,20,00,00,00,23,02,00,00,00,00,00,00,01,01,00,00,00,00,00,05,12,00,00,\
00,01,01,00,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\MSPCLOCK]
"Type"=dword:00000001
"Start"=dword:00000003
"ErrorControl"=dword:00000001
"Tag"=dword:00000001
"ImagePath"=hex(2):73,79,73,74,65,6d,33,32,5c,64,72,69,76,65,72,73,5c,4d,53,50,\
43,4c,4f,43,4b,2e,73,79,73,00
"DisplayName"="Microsoft Streaming Clock Proxy"
"Group"="ExtendedBase"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\MSPCLOCK\Security]
"Security"=hex:01,00,14,80,a0,00,00,00,ac,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,00,01,00,00,\
00,00,02,00,70,00,04,00,00,00,00,00,18,00,fd,01,02,00,01,01,00,00,00,00,\
05,12,00,00,00,74,00,6c,00,00,00,1c,00,ff,01,0f,00,01,02,00,00,00,00,00,05,\
20,00,00,00,20,02,00,00,00,00,00,00,18,00,8d,01,02,00,01,01,00,00,00,\
00,00,05,0b,00,00,00,20,02,00,00,00,00,1c,00,fd,01,02,00,01,02,00,00,00,\
00,05,20,00,00,00,23,02,00,00,00,00,00,00,01,01,00,00,00,00,00,05,12,00,00,\
00,01,01,00,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\MSPQM]
"Type"=dword:00000001
"Start"=dword:00000003
"ErrorControl"=dword:00000001
"Tag"=dword:00000002
"ImagePath"=hex(2):73,79,73,74,65,6d,33,32,5c,64,72,69,76,65,72,73,5c,4d,53,50,\
51,4d,2e,73,79,73,00
"DisplayName"="Microsoft Streaming Quality Manager Proxy"
"Group"="ExtendedBase"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\MSPQM\Security]
"Security"=hex:01,00,14,80,a0,00,00,00,ac,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,00,01,00,00,\
00,00,02,00,70,00,04,00,00,00,00,00,18,00,fd,01,02,00,01,01,00,00,00,00,\
05,12,00,00,00,74,00,6c,00,00,00,1c,00,ff,01,0f,00,01,02,00,00,00,00,00,05,\
20,00,00,00,20,02,00,00,00,00,00,00,18,00,8d,01,02,00,01,01,00,00,00,\
00,00,05,0b,00,00,00,20,02,00,00,00,00,1c,00,fd,01,02,00,01,02,00,00,00,\
00,05,20,00,00,00,23,02,00,00,00,00,00,00,01,01,00,00,00,00,00,05,12,00,00,\
00,01,01,00,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\MSSCNTRS]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\MSSCNTRS\Performance]
"Library"="C:\PROGRA-1\COMMON-1\System\MSSearch\Bin\msscntrs.dll"
"Open"="Open"
"Close"="Close"
"Collect"="Collect"

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\MSSEARCH]
"Type"=dword:00000020
"Start"=dword:00000002
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):22,43,3a,5c,50,72,6f,67,72,61,6d,20,46,69,6c,65,73,5c,43,6f,\
6d,6d,6f,6e,20,46,69,6c,65,73,5c,53,79,73,74,65,6d,5c,4d,53,53,65,61,72,63,\
68,5c,42,69,6e,5c,6d,73,73,65,61,72,63,68,2e,65,78,65,22,00
"DisplayName"="Microsoft Search"
"DependOnService"=hex(7):52,50,43,53,53,00,4e,54,4c,4d,53,53,50,00,00
"DependOnGroup"=hex(7):00
"ObjectName"="LocalSystem"
"Description"="Creates full-text indexes on content and properties of structured and
semi-structured data to allow fast linguistic searches on "

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\MSSEARCH\Performance]
"Last Counter"=dword:00000b24
"Last Help"=dword:00000b25
"First Counter"=dword:00000af4
"First Help"=dword:00000af5

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\MSSEARCH\Security]
"Security"=hex:01,00,14,80,a0,00,00,00,ac,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,00,01,00,00,\
00,00,02,00,70,00,04,00,00,00,00,00,18,00,fd,01,02,00,01,01,00,00,00,00,\
05,12,00,00,00,e0,4c,0f,00,00,00,1c,00,ff,01,0f,00,01,02,00,00,00,00,00,05,\
20,00,00,00,20,02,00,00,00,00,00,00,18,00,8d,01,02,00,01,01,00,00,00,\
00,00,05,0b,00,00,00,20,02,00,00,00,00,1c,00,fd,01,02,00,01,02,00,00,00,\
00,05,20,00,00,00,23,02,00,00,00,00,00,00,01,01,00,00,00,00,00,05,12,00,00,\
00,01,01,00,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\MSSEARCH\Enum]
"0"="Root\LEGACY_MSSEARCH\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\MSSGatherer]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\MSSGatherer\Performance]
"Last Counter"=dword:00000a8c
"Last Help"=dword:00000a8d
"First Counter"=dword:00000a26
"First Help"=dword:00000a27

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\MSSGTHRSVC]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\MSSGTHRSVC\Performance]
"Last Counter"=dword:00000af2
"Last Help"=dword:00000af3
"First Counter"=dword:00000aa8
"First Help"=dword:00000aa9

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\mssindex]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\mssindex\Performance]
"Last Counter"=dword:00000aa6
"Last Help"=dword:00000aa7
"First Counter"=dword:00000a8e
"First Help"=dword:00000a8f

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\MSSQLSERVER]
"Type"=dword:00000010
"Start"=dword:00000003
"ErrorControl"=dword:00000001

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"ImagePath"=hex(2):43,3a,5c,53,51,4c,38,5c,4d,53,53,51,4c,5c,62,69,6e,6e,5c,73,\
71,6c,73,65,72,76,72,2e,65,78,65,00
"DisplayName"="MSSQLSERVER"
"ObjectName"="LocalSystem"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\MSSQLSERVER\Linkage]
"Export"=hex(7):4d,53,53,51,4c,53,45,52,56,45,52,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\MSSQLSERVER\Performance]
"Library"="C:\SQL8\MSSQL\BINN\SQLCTR80.DLL"
"Collect"="CollectSQLPerformanceData"
"Open"="OpenSQLPerformanceData"
"Close"="CloseSQLPerformanceData"
"Last Counter"=dword:00000c3a
"Last Help"=dword:00000c3b
"First Counter"=dword:00000b26
"First Help"=dword:00000b27
"Object List"="2854 2900 2908 2916 2932 2980 2990 3032 3048 3060 3090 3094 3098 3106
3114 3122 3128"
"WbemAdapFileTime"=hex:00,ae,2b,e0,a8,59,bf,01
"WbemAdapFileSize"=dword:0000803b
"WbemAdapStatus"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\MSSQLSERVER\Security]
"Security"=hex:01,00,14,80,a0,00,00,00,ac,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,70,00,04,00,00,00,00,18,00,fd,01,02,00,01,01,00,00,00,00,00,\
05,12,00,00,00,00,00,00,00,00,1c,00,ff,01,0f,00,01,02,00,00,00,00,05,\
20,00,00,00,20,02,00,00,5c,00,44,00,00,00,18,00,8d,01,02,00,01,01,00,00,00,\
00,00,05,0b,00,00,00,20,02,00,00,00,00,1c,00,fd,01,02,00,01,02,00,00,00,\
00,05,20,00,00,00,23,02,00,00,5c,00,44,00,01,01,00,00,00,00,05,12,00,00,\
00,01,01,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\MSSQLSERVER\Enum]
"0"="Root\LEGACY_MSSQLSERVER\0000"
"Count"=dword:00000001
"Next Instance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Mup]
"DisplayName"="Mup"
"ErrorControl"=dword:00000001
"Group"="Network"
"Start"=dword:00000000
"Tag"=dword:00000002
"Type"=dword:00000002

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Mup\Parameters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Mup\Enum]
"0"="Root\LEGACY_MUP\0000"
"Count"=dword:00000001
"Next Instance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\N100]
"Type"=dword:00000001
"Start"=dword:00000003
"ErrorControl"=dword:00000001
"Tag"=dword:0000000a
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,44,52,49,56,45,52,53,5c,6e,31,30,\
30,6e,74,35,2e,73,79,73,00
"DisplayName"="Compaq Ethernet or Fast Ethernet NIC NT Driver"
"Group"="NDIS"
"TextModeFlags"=dword:00000001

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\N100\Security]
"Security"=hex:01,00,14,80,a0,00,00,00,ac,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,70,00,04,00,00,00,00,18,00,fd,01,02,00,01,01,00,00,00,00,00,\
05,12,00,00,00,30,00,00,00,00,00,1c,00,ff,01,0f,00,01,02,00,00,00,00,05,\
20,00,00,00,20,02,00,00,5c,00,44,00,00,00,18,00,8d,01,02,00,01,01,00,00,00,\
00,00,05,0b,00,00,00,20,02,00,00,00,00,1c,00,fd,01,02,00,01,02,00,00,00,\
00,05,20,00,00,00,23,02,00,00,5c,00,44,00,01,01,00,00,00,00,05,12,00,00,\
00,01,01,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\N100\Enum]
"0"="PCI\VEN_8086&DEV_1229&SUBSYS_B0DD0E11&REV_05\4&156fc437&0&2008"
"Count"=dword:00000004
"Next Instance"=dword:00000004
"1"="PCI\VEN_8086&DEV_1229&SUBSYS_B0DD0E11&REV_05\4&156fc437&0&2808"
"2"="PCI\VEN_8086&DEV_1229&SUBSYS_B0DD0E11&REV_05\4&17622f0d&0&2010"
"3"="PCI\VEN_8086&DEV_1229&SUBSYS_B0DD0E11&REV_05\4&17622f0d&0&2810"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Ncr710]
"ErrorControl"=dword:00000001
"Group"="SCSI miniport"
"Start"=dword:00000004
"Tag"=dword:00000005
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS]
"DisplayName"="NDIS System Driver"
"ErrorControl"=dword:00000001
"Group"="NDIS Wrapper"
"Start"=dword:00000000
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\MediaTypes]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\EISA]
"BusType"=dword:00000002

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\EISA\3C597]
"Id"=dword:20596d50
"Mask"=dword:f0ffff
"Token"="EISA*TCM5920"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\EISA\3C597]
"Id"=dword:70596d50
"Mask"=dword:f0ffff
"Token"="EISA*TCM5970"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\EISA\579TP]
"Id"=dword:93506d50
"Mask"=dword:ffffff
"Token"="*TCM5093"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\EISA\BONSAI]
"Id"=dword:0062110e
"Mask"=dword:00ffff
"Token"="EISA_CQP6200_TOPNET"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\EISA\BONSAI\PORT
2]
"Id"=dword:0062110e

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"Mask"=dword:00ffffff
"Token"="EISA_CPQ6200_BOTTOMNET"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\EISA\DEC300]
"Id"=dword:0230a310
"Mask"=dword:0ffffff
"Token"="EISA&DEFEA"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\EISA\DEC422]
"Id"=dword:2042a310
"Mask"=dword:f0ffffff
"Token"="EISA&DEC422"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\EISA\DURANGO]
"Id"=dword:0260110e
"Mask"=dword:0ffffff
"Token"="*CPQ6002"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\EISA\EE100E]
"Id"=dword:6010d425
"Mask"=dword:f0ffffff
"Token"="EISA&INT1060"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\EISA\HP2577A]
"Id"=dword:4019f022
"Mask"=dword:f0ffffff
"Token"="*HWP1940"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\EISA\INTEL32E]
"Id"=dword:0112d425
"Mask"=dword:0ffffff
"Token"="*INT1201"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\EISA\MAPLE]
"Id"=dword:0160110e
"Mask"=dword:0ffffff
"Token"="*CPQ6001"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\EISA\MDGEB]
"Id"=dword:03008734
"Mask"=dword:ffffffff
"Token"="*MDG0003"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\EISA\MDGER1]
"Id"=dword:01008734
"Mask"=dword:ffffffff
"Token"="*MDG0001"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\EISA\MDGER2]
"Id"=dword:02008734
"Mask"=dword:ffffffff
"Token"="*MDG0002"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\EISA\MDGER3]
"Id"=dword:04008734
"Mask"=dword:ffffffff
"Token"="*MDG0004"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\EISA\NE3200]
"Id"=dword:0007cc3a
"Mask"=dword:00ffffff
"Token"="*NVL0701"

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\EISA\NETFLEX3]
"Id"=dword:20f1110e
"Mask"=dword:f0ffffff
"Token"="*CPQF120"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\EISA\NETFLEX3.1]
]
"Id"=dword:40f1110e
"Mask"=dword:f0ffffff
"Token"="*CPQF140"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\EISA\NETFLX]
"Id"=dword:0061110e
"Mask"=dword:00ffffff
"Token"="*CPQ6100"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\EISA\NPEISA]
"Id"=dword:0000093a
"Mask"=dword:0000ffff
"Token"="*NPEISA"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\EISA\OC3133]
"Id"=dword:0209833d
"Mask"=dword:0ffffff
"Token"="EISA&*OLC0902"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\EISA\OCTK32]
"Id"=dword:0112833d
"Mask"=dword:0ffffff
"Token"="*OLC1201"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\EISA\P1990]
"Id"=dword:00604f42
"Mask"=dword:00ffffff
"Token"="EISA&*PRO6000"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\EISA\RODAN]
"Id"=dword:0063110e
"Mask"=dword:00ffffff
"Token"="EISA_CPQ6300_TOPNET"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\EISA\RODANPORT2]
]
"Id"=dword:0063110e
"Mask"=dword:00ffffff
"Token"="EISA_CPQ6300_BOTTOMNET"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\ISA]
"BusType"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\Parameters]
"ProcessorAffinityMask"=dword:ffffffff

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\Enum]
"0"="Root\LEGACY_NDIS\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NdisTapi]
"Type"=dword:00000001
"Start"=dword:00000003
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,44,52,49,56,45,52,53,5c,6e,64,69,\

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73,74,61,70,69,2e,73,79,73,00
"DisplayName"="Remote Access NDIS TAPI Driver"
>Description"="Remote Access NDIS TAPI Driver"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NdisTapi\Parameters]
"AsyncEventQueueSize"=dword:00000300

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NdisTapi\Security]
"Security"=hex:01,00,14,80,a0,00,00,00,ac,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,70,00,04,00,00,00,00,00,18,00,fd,01,02,00,01,01,00,00,00,00,\
05,12,00,00,00,65,00,72,00,00,00,1c,00,ff,01,0f,00,01,02,00,00,00,00,05,\
20,00,00,00,20,02,00,00,00,00,00,00,00,00,18,00,8d,01,02,00,01,01,00,00,00,\
00,00,05,0b,00,00,00,20,02,00,00,00,00,1c,00,fd,01,02,00,01,02,00,00,00,00,\
00,05,20,00,00,00,23,02,00,00,00,00,00,00,01,01,00,00,00,00,05,12,00,00,\
00,01,01,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NdisTapi\Enum]
"0"="Root\MS_NDISWANIP\0000"
"Count"=dword:00000002
"NextInstance"=dword:00000002
"1"="Root\MS_PPTPMINIPORT\0000"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NdisWan]
"Type"=dword:00000001
"Start"=dword:00000003
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,44,52,49,56,45,52,53,5c,6e,64,69,\
73,77,61,6e,2e,73,79,73,00
"DisplayName"="Remote Access NDIS WAN Driver"
>Description"="Remote Access NDIS WAN Driver"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NdisWan\Linkage]
"Bind"=hex(7):5c,44,65,76,69,63,65,5c,7b,39,31,43,36,33,33,31,34,2d,36,41,37,\
44,2d,34,43,37,38,2d,38,45,37,46,2d,45,41,33,39,38,38,31,34,37,31,31,42,7d,\
00,5c,44,65,76,69,63,65,5c,7b,30,43,39,32,31,36,30,30,2d,38,31,39,38,2d,34,\
36,30,45,2d,42,39,46,36,2d,45,39,35,34,42,30,43,45,34,43,43,42,7d,00,5c,44,\
65,76,69,63,65,5c,7b,36,31,44,30,41,36,34,44,2d,38,32,36,33,2d,34,32,32,33,\
2d,38,37,42,46,2d,43,36,41,44,36,34,37,34,44,42,41,39,7d,00,5c,44,65,76,69,\
63,65,5c,7b,32,32,36,44,33,43,32,46,2d,41,39,31,36,2d,34,33,46,41,2d,41,32,\
30,46,2d,38,43,42,30,44,43,36,44,36,44,37,46,7d,00,00
"Route"=hex(7):22,7b,39,31,43,36,33,33,31,34,2d,36,41,37,44,2d,34,43,37,38,2d,\
38,45,37,46,2d,45,41,33,39,38,38,31,34,37,31,31,42,7d,22,00,22,7b,30,43,39,\
32,31,36,30,30,2d,38,31,39,38,2d,34,36,30,45,2d,42,39,46,36,2d,45,39,35,34,\
42,30,43,45,34,43,43,42,7d,22,00,22,7b,36,31,44,30,41,36,34,44,2d,38,32,36,\
33,2d,34,32,32,33,2d,38,37,42,46,2d,43,36,41,44,36,34,37,34,44,42,41,39,7d,\
22,00,22,7b,32,32,36,44,33,43,32,46,2d,41,39,31,36,2d,34,33,46,41,2d,41,32,\
30,46,2d,38,43,42,30,44,43,36,44,36,44,37,46,7d,22,00,00
"Export"=hex(7):5c,44,65,76,69,63,65,5c,4e,64,69,73,57,61,6e,5f,7b,39,31,43,36,\
33,33,31,34,2d,36,41,37,44,2d,34,43,37,38,2d,38,45,37,46,2d,45,41,33,39,38,\
38,31,34,37,31,31,42,7d,00,5c,44,65,76,69,63,65,5c,4e,64,69,73,57,61,6e,5f,\
7b,30,43,39,32,31,36,30,30,2d,38,31,39,38,2d,34,36,30,45,2d,42,39,46,36,2d,\
45,39,35,34,42,30,43,45,34,43,43,42,7d,00,5c,44,65,76,69,63,65,5c,4e,64,69,\
73,57,61,6e,5f,7b,36,31,44,30,41,36,34,44,2d,38,32,36,33,2d,34,32,32,33,2d,\
38,37,42,46,2d,43,36,41,44,36,34,37,34,44,42,41,39,7d,00,5c,44,65,76,69,63,\
65,5c,4e,64,69,73,57,61,6e,5f,7b,32,32,36,44,33,43,32,46,2d,41,39,31,36,2d,\
34,33,46,41,2d,41,32,30,46,2d,38,43,42,30,44,43,36,44,36,44,37,46,7d,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NdisWan\Parameters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NdisWan\Security]
"Security"=hex:01,00,14,80,a0,00,00,00,ac,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
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00,00,02,00,70,00,04,00,00,00,00,00,18,00,fd,01,02,00,01,01,00,00,00,00,\
05,12,00,00,00,20,02,00,00,00,00,1c,00,ff,01,0f,00,01,02,00,00,00,00,05,\
20,00,00,00,20,02,00,00,00,00,00,00,00,00,18,00,8d,01,02,00,01,01,00,00,\
00,00,05,0b,00,00,00,20,02,00,00,00,00,1c,00,fd,01,02,00,01,02,00,00,00,\
00,05,20,00,00,00,23,02,00,00,00,00,00,00,01,01,00,00,00,00,05,12,00,00,\
00,01,01,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NdisWan\Enum]
"0"="Root\MS_NDISWANIP\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NDProxy]
"DisplayName"=hex(7):4e,44,49,53,20,50,72,6f,78,79,00,00
"ErrorControl"=dword:00000001
"Group"="PNP_TDI"
"Start"=dword:00000003
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NDProxy\Enum]
"0"="Root\LEGACY_NDPROXY\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NetBIOS]
"Type"=dword:00000002
"Start"=dword:00000001
"ErrorControl"=dword:00000001
"Tag"=dword:00000001
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,44,52,49,56,45,52,53,5c,6e,65,74,\
62,69,6f,73,2e,73,79,73,00
"DisplayName"="NetBIOS Interface"
"Group"="NetBIOSGroup"
>Description"="NetBIOS Interface"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NetBIOS\Linkage]
"LanaMap"=hex:01,03,01,02,01,08,01,00,01,01,00,04,00,00,05
"Bind"=hex(7):5c,44,65,76,69,63,65,5c,4e,65,74,42,54,5f,54,63,70,69,70,5f,7b,\
43,41,31,31,30,44,37,45,2d,41,39,45,36,2d,34,38,41,41,2d,39,42,30,31,2d,35,\
41,35,36,37,30,43,44,34,41,37,44,7d,00,5c,44,65,76,69,63,65,5c,4e,65,74,42,\
54,5f,54,63,70,69,70,5f,7b,31,33,42,38,34,45,44,38,2d,30,46,33,34,2d,34,42,\
37,45,2d,39,34,42,30,2d,45,43,34,46,41,36,45,38,35,36,45,42,7d,00,5c,44,65,\
76,69,63,65,5c,4e,65,74,42,54,5f,54,63,70,69,70,5f,7b,35,30,33,41,36,45,43,\
41,2d,43,34,38,39,2d,34,45,43,32,2d,41,39,36,44,2d,42,42,37,34,37,31,30,42,\
30,44,36,43,7d,00,5c,44,65,76,69,63,65,5c,4e,65,74,42,54,5f,54,63,70,69,70,\
5f,7b,38,36,36,30,33,34,30,46,2d,46,44,33,37,2d,34,30,41,41,2d,42,38,38,37,\
2d,39,44,44,43,36,43,35,45,31,32,44,45,7d,00,5c,44,65,76,69,63,65,5c,4e,65,\
74,42,54,5f,54,63,70,69,70,5f,7b,33,45,45,44,30,37,33,30,2d,44,37,38,32,2d,\
34,32,32,37,2d,41,41,30,45,2d,42,31,38,35,33,31,46,37,44,31,46,42,7d,00,5c,\
44,65,76,69,63,65,5c,4e,65,74,42,54,5f,54,63,70,69,70,5f,7b,37,44,45,34,31,\
34,32,32,2d,42,30,30,43,2d,34,42,33,46,2d,42,35,42,32,2d,32,39,39,35,37,36,\
46,37,35,32,36,45,7d,00,5c,44,65,76,69,63,65,5c,4e,65,74,42,54,5f,54,63,70,\
69,70,5f,7b,41,32,32,37,44,33,36,33,2d,38,43,32,39,2d,34,32,32,35,2d,41,44,\
36,44,2d,36,45,32,34,38,36,41,30,46,38,46,36,7d,00,00
"Route"=hex(7):22,4e,65,74,42,54,22,20,22,54,63,70,69,70,22,20,22,7b,43,41,31,\
31,30,44,37,45,2d,41,39,45,36,2d,34,38,41,41,2d,39,42,30,31,2d,35,41,35,36,\
37,30,43,44,34,41,37,44,7d,22,00,22,4e,65,74,42,54,22,20,22,54,63,70,69,70,\
22,20,22,7b,31,33,42,38,34,45,44,38,2d,30,46,33,34,2d,34,42,37,45,2d,39,34,\
42,30,2d,45,43,34,46,41,36,45,38,35,36,45,42,7d,22,00,22,4e,65,74,42,54,22,\
20,22,54,63,70,69,70,22,20,22,7b,35,30,33,41,36,45,43,41,2d,43,34,38,39,2d,\
34,45,43,32,2d,41,39,36,44,2d,42,42,37,34,37,31,30,42,44,36,43,7d,22,00,\
22,4e,65,74,42,54,22,20,22,54,63,70,69,70,22,20,22,7b,38,36,36,30,33,34,30,\
46,2d,46,44,33,37,2d,34,30,41,41,2d,42,38,38,37,2d,39,44,44,43,36,43,35,45,\
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31,32,44,45,7d,22,00,22,4e,65,74,42,54,22,20,22,54,63,70,69,70,22,20,22,7b,\
33,45,45,44,30,37,33,30,2d,44,37,38,32,2d,34,32,32,2d,41,41,30,45,2d,42,\
31,38,35,33,31,46,37,44,31,46,42,7d,22,00,22,4e,65,74,42,54,22,20,22,54,63,\
70,69,70,22,20,22,4e,64,69,73,57,61,6e,49,70,22,00,00
"Export"=hex(7):5c,44,65,76,69,63,65,5c,4e,65,74,42,49,4f,53,5f,4e,65,74,42,54,\
5f,54,63,70,69,70,5f,7b,43,41,31,31,30,44,37,45,2d,41,39,45,36,2d,34,38,41,\
41,2d,39,42,30,31,2d,35,41,35,36,37,30,43,44,34,41,37,44,7d,00,5c,44,65,76,\
69,63,65,5c,4e,65,74,42,49,4f,53,5f,4e,65,74,42,54,5f,54,63,70,69,70,5f,7b,\
31,33,42,38,34,45,44,38,2d,30,46,33,34,2d,34,42,37,45,2d,39,34,42,30,2d,45,\
43,34,46,41,36,45,38,35,36,45,42,7d,00,5c,44,65,76,69,63,65,5c,4e,65,74,42,\
49,4f,53,5f,4e,65,74,42,54,5f,54,63,70,69,70,5f,7b,35,30,33,41,36,45,43,41,\
2d,43,34,38,39,2d,34,45,43,32,2d,41,39,36,44,2d,42,42,37,34,37,31,30,42,30,\
44,36,43,7d,00,5c,44,65,76,69,63,65,5c,4e,65,74,42,49,4f,53,5f,4e,65,74,42,\
54,5f,54,63,70,69,70,5f,7b,38,36,36,30,33,34,30,46,2d,46,44,33,37,2d,34,30,\
41,41,2d,42,38,38,37,2d,39,44,44,43,36,43,35,45,31,32,44,45,7d,00,5c,44,65,\
76,69,63,65,5c,4e,65,74,42,49,4f,53,5f,4e,65,74,42,54,5f,54,63,70,69,70,5f,\
7b,33,45,45,44,30,37,33,30,2d,44,37,38,32,2d,34,32,32,37,2d,41,41,30,45,2d,\
42,31,38,35,33,31,46,37,44,31,46,42,7d,00,5c,44,65,76,69,63,65,5c,4e,65,74,\
42,49,4f,53,5f,4e,65,74,42,54,5f,54,63,70,69,70,5f,7b,37,44,45,34,31,34,32,\
32,2d,42,30,30,43,2d,34,42,33,46,2d,42,35,42,32,2d,32,39,39,35,37,36,46,37,\
35,32,36,45,7d,00,5c,44,65,76,69,63,65,5c,4e,65,74,42,49,4f,53,5f,4e,65,74,\
42,54,5f,54,63,70,69,70,5f,7b,41,32,32,37,44,33,36,33,2d,38,43,32,39,2d,34,\
32,32,35,2d,41,44,36,44,2d,36,45,32,34,38,36,41,30,46,38,46,36,7d,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NetBIOS\Parameters]
"MaxLana"=dword:00000008

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NetBIOS\Parameters\Winsock]
"HelperDllName"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,\
6d,33,32,5c,77,73,68,6e,65,74,62,73,2e,64,6c,6c,00
"MaxSockAddrLength"=dword:00000014
"MinSockAddrLength"=dword:00000014
"Mapping"=hex:02,00,00,00,03,00,00,00,11,00,00,00,05,00,00,00,00,00,00,11,\
00,00,00,02,00,00,00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NetBIOS\Security]
"Security"=hex:01,00,14,80,a0,00,00,00,ac,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,00,01,00,00,\
00,00,02,00,70,00,04,00,00,00,00,00,18,00,fd,01,02,00,01,01,00,00,00,00,00,\
05,12,00,00,00,20,02,00,00,00,00,1c,00,ff,01,0f,00,01,02,00,00,00,00,05,\
20,00,00,00,20,02,00,00,03,00,00,00,00,00,18,00,8d,01,02,00,01,01,00,00,00,\
00,00,05,0b,00,00,00,20,02,00,00,00,00,1c,00,fd,01,02,00,01,02,00,00,00,00,\
00,05,20,00,00,00,23,02,00,00,00,00,03,00,00,00,01,01,00,00,00,00,05,12,00,00,\
00,01,01,00,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NetBIOS\Enum]
"0"="Root\LEGACY_NETBIOS\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NetBT]
"Type"=dword:00000001
"Start"=dword:00000001
"ErrorControl"=dword:00000001
"Tag"=dword:00000005
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,44,52,49,56,45,52,53,5c,6e,65,74,\
62,74,2e,73,79,73,00
"DisplayName"="NetBios over Tcpip"
"Group"="PNP_TDI"
"DependOnService"=hex(7):54,63,70,69,70,00,00
"DependOnGroup"=hex(7):00
"Description"="NetBios over Tcpip"

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NetBT\Linkage]
"OtherDependencies"=hex(7):54,63,70,69,70,00,00
"Bind"=hex(7):5c,44,65,76,69,63,65,5c,54,63,70,69,70,5f,7b,43,41,31,31,30,44,\
37,45,2d,41,39,45,36,2d,34,38,41,41,2d,39,42,30,31,2d,35,41,35,36,37,30,43,\
44,34,41,37,44,7d,00,5c,44,65,76,69,63,65,5c,54,63,70,69,70,5f,7b,31,33,42,\
38,34,45,44,38,2d,30,46,33,34,2d,34,42,37,45,2d,39,34,42,30,2d,45,43,34,46,\
41,36,45,38,35,36,45,42,7d,00,5c,44,65,76,69,63,65,5c,54,63,70,69,70,5f,7b,\
35,30,33,41,36,45,43,41,2d,43,34,38,39,2d,34,45,43,32,2d,41,39,36,44,2d,42,\
42,37,34,37,31,30,42,30,44,36,43,7d,00,5c,44,65,76,69,63,65,5c,54,63,70,69,\
70,5f,7b,38,36,36,30,33,34,30,46,2d,46,44,33,37,2d,34,30,41,41,2d,42,38,38,\
37,2d,39,44,44,43,36,43,35,45,31,32,44,45,7d,00,5c,44,65,76,69,63,65,5c,54,\
63,70,69,70,5f,7b,33,45,45,44,30,37,33,30,2d,44,37,38,32,2d,34,32,32,37,2d,\
41,41,30,45,2d,42,31,38,35,33,31,46,37,44,31,46,42,7d,00,5c,44,65,76,69,63,\
65,5c,54,63,70,69,70,5f,7b,37,44,45,34,31,34,32,32,2d,42,30,30,43,2d,34,42,\
33,46,2d,42,35,42,32,2d,32,39,39,35,37,36,46,37,35,32,36,45,7d,00,5c,44,65,\
76,69,63,65,5c,54,63,70,69,70,5f,7b,41,32,32,37,44,33,36,33,2d,38,43,32,39,\
2d,34,32,32,35,2d,41,44,36,44,2d,36,45,32,34,38,36,41,30,46,38,46,36,7d,00,\
00
"Route"=hex(7):22,54,63,70,69,70,22,20,22,7b,43,41,31,31,30,44,37,45,2d,41,39,\
45,36,2d,34,38,41,41,2d,39,42,30,31,2d,35,41,35,36,37,30,43,44,34,41,37,44,\
7d,22,00,22,54,63,70,69,70,22,20,22,7b,31,33,42,38,34,45,44,38,2d,30,46,33,\
34,2d,34,42,37,45,2d,39,34,42,30,2d,45,43,34,46,41,36,45,38,35,36,45,42,7d,\
22,00,22,54,63,70,69,70,22,20,22,7b,35,30,33,41,36,45,43,41,2d,43,34,38,39,\
2d,34,45,43,32,2d,41,39,36,44,2d,42,42,37,34,37,31,30,42,30,42,30,42,30,2d,\
00,22,54,63,70,69,70,22,20,22,7b,38,36,36,30,33,34,30,46,2d,46,44,33,37,2d,\
34,30,41,41,2d,42,38,37,2d,39,44,44,43,36,43,35,45,31,32,44,45,7d,22,00,\
22,54,63,70,69,70,22,20,22,7b,33,45,45,44,30,37,33,30,2d,44,37,38,32,2d,34,\
32,32,37,2d,41,41,30,45,2d,42,31,38,35,33,31,46,37,44,31,46,42,7d,22,00,22,\
54,63,70,69,70,22,20,22,4e,64,69,73,57,61,6e,49,70,22,00,00
"Export"=hex(7):5c,44,65,76,69,63,65,5c,4e,65,74,42,54,5f,54,63,70,69,70,5f,7b,\
43,41,31,31,30,44,37,45,2d,41,39,45,36,2d,34,38,41,41,2d,39,42,30,31,2d,35,\
41,35,36,37,30,43,44,34,41,37,44,7d,00,5c,44,65,76,69,63,65,5c,4e,65,74,42,\
54,5f,54,63,70,69,70,5f,7b,31,33,42,38,34,45,44,38,34,46,33,34,2d,34,42,\
37,45,2d,39,34,42,30,2d,45,43,34,46,41,36,45,38,35,36,45,42,7d,00,5c,44,65,\
76,69,63,65,5c,4e,65,74,42,54,5f,54,63,70,69,70,5f,7b,35,30,33,41,36,45,43,\
41,2d,43,34,38,39,2d,34,45,43,32,2d,41,39,36,44,2d,42,42,37,34,37,31,30,42,\
30,44,36,43,7d,00,5c,44,65,76,69,63,65,5c,4e,65,74,42,54,5f,54,63,70,69,70,\
5f,7b,38,36,36,30,33,34,30,46,2d,46,44,33,37,2d,34,30,41,41,2d,42,38,38,37,\
2d,39,44,44,43,36,43,35,45,31,32,44,45,7d,00,5c,44,65,76,69,63,65,5c,4e,65,\
74,42,54,5f,54,63,70,69,70,5f,7b,33,45,45,44,30,37,33,30,2d,44,37,38,32,2d,\
34,32,32,37,2d,41,41,30,45,2d,42,31,38,35,33,31,46,37,44,31,46,42,7d,00,5c,\
44,65,76,69,63,65,5c,4e,65,74,42,54,5f,54,63,70,69,70,5f,7b,37,44,45,34,31,\
34,32,32,2d,42,30,30,43,2d,34,42,33,46,2d,42,35,42,32,2d,32,39,39,35,37,36,\
46,37,35,32,36,45,7d,00,5c,44,65,76,69,63,65,5c,4e,65,74,42,54,5f,54,63,70,\
69,70,5f,7b,41,32,32,37,44,33,36,33,2d,38,43,32,39,2d,34,32,32,35,2d,41,44,\
36,44,2d,36,45,32,34,38,36,41,30,46,38,46,36,7d,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NetBT\Parameters]
"NbProvider"="_tcp"
"NameServerPort"=dword:00000089
"CacheTimeout"=dword:000927c0
"BcastNameQueryCount"=dword:00000003
"BcastQueryTimeout"=dword:000002ee
"NameSrvQueryCount"=dword:00000003
"NameSrvQueryTimeout"=dword:000005dc
"Size/Small/Medium/Large"=dword:00000001
"SessionKeepAlive"=dword:0036ee80
"TransportBindName"="\\Device\\"
"EnableLMHOSTS"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NetBT\Interfaces]

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NetBT\Parameters\Interfaces\Tcpip_{13B84ED8-0F34-4B7E-94B0-EC4FA6E856EB}]
"NameServerList"=hex(7):00
"NetbiosOptions"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NetBT\Parameters\Interfaces\Tcpip_{3EED0730-D782-4227-AA0E-B18531F7D1FB}]
"NameServerList"=hex(7):00
"NetbiosOptions"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NetBT\Parameters\Interfaces\Tcpip_{503A6ECA-C489-4EC2-A96D-BB74710B0D6C}]
"NameServerList"=hex(7):00
"NetbiosOptions"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NetBT\Parameters\Interfaces\Tcpip_{7DE41422-B00C-4B3F-B5B2-299576F7526E}]
"NameServerList"=hex(7):00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NetBT\Parameters\Interfaces\Tcpip_{8660340F-FD37-40AA-B887-9DDC6C5E12DE}]
"NameServerList"=hex(7):00
"NetbiosOptions"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NetBT\Parameters\Interfaces\Tcpip_{A227D363-8C29-4225-AD6D-6E2486A0F8F6}]
"NameServerList"=hex(7):00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NetBT\Parameters\Interfaces\Tcpip_{CA110D7E-A9E6-48AA-9B01-5A5670CD4A7D}]
"NameServerList"=hex(7):00
"NetbiosOptions"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NetBT\Security]
"Security"=hex:01,00,14,80,a0,00,00,00,ac,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,00,01,00,00,\
00,00,02,00,70,00,04,00,00,00,00,00,18,00,fd,01,02,00,01,01,00,00,00,00,00,\
05,12,00,00,00,02,00,00,00,00,00,1c,00,ff,01,0f,00,01,02,00,00,00,00,00,05,\
20,00,00,00,20,02,00,00,03,00,00,00,00,00,18,00,8d,01,02,00,01,01,00,00,00,\
00,00,05,0b,00,00,00,20,02,00,00,00,00,1c,00,fd,01,02,00,01,02,00,00,00,\
00,05,20,00,00,00,23,02,00,00,03,00,00,00,01,01,00,00,00,00,00,05,12,00,00,\
00,01,01,00,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NetBT\Enum]
"0"="Root\LEGACY_NETBT\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NetDDE]
"DependOnService"=hex(7):4e,65,74,44,44,45,44,53,44,4d,00,00
"Description"="Provides network transport and security for dynamic data exchange (DDE). ."
"DisplayName"="Network DDE"
"ErrorControl"=dword:00000001
"Group"="NetDDEGroup"
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,73,79,73,74,65,6d,33,\
32,5c,6e,65,74,64,64,65,2e,65,78,65,00
"ObjectName"="LocalSystem"
"Start"=dword:00000003
"Type"=dword:00000020

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NetDDE\Security]
"Security"=hex:01,00,14,80,a8,00,00,00,b4,00,00,00,14,00,00,00,30,00,00,00,02,\

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00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,00,01,00,00,\
00,00,02,00,78,00,05,00,00,00,00,03,14,00,8d,00,02,00,01,01,00,00,00,00,\
01,00,00,00,00,00,00,03,18,00,ff,01,0f,00,01,02,00,00,00,00,00,05,20,00,00,\
20,02,00,00,00,03,18,00,8d,00,02,00,01,02,00,00,00,00,00,05,20,00,00,00,23,\
02,00,00,00,03,14,00,9d,00,00,00,01,01,00,00,00,00,00,05,04,00,00,00,00,\
18,00,ff,01,0f,00,01,02,00,00,00,00,00,05,20,00,00,00,25,02,00,00,01,01,00,\
00,00,00,00,05,12,00,00,00,01,01,00,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NetDDEsdm]
"DependOnService"=hex(7):00
"Description"="Manages shared dynamic data exchange and is used by Network DDE"
"DisplayName"="Network DDE DSDM"
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,73,79,73,74,65,6d,33,\
32,5c,6e,65,74,64,64,65,2e,65,78,65,00
"ObjectName"="LocalSystem"
"Start"=dword:00000003
"Type"=dword:00000020

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NetDDEsdm\Security]
"Security"=hex:01,00,14,80,a8,00,00,00,b4,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,00,01,00,00,\
00,00,02,00,78,00,05,00,00,00,00,03,14,00,8d,00,02,00,01,01,00,00,00,00,\
01,00,00,00,00,00,03,18,00,ff,01,0f,00,01,02,00,00,00,00,00,05,20,00,00,\
20,02,00,00,00,03,18,00,8d,00,02,00,01,02,00,00,00,00,00,05,20,00,00,00,23,\
02,00,00,00,03,14,00,9d,00,00,00,01,01,00,00,00,00,00,05,04,00,00,00,00,\
18,00,ff,01,0f,00,01,02,00,00,00,00,00,05,20,00,00,00,25,02,00,00,01,01,00,\
00,00,00,00,05,12,00,00,00,01,01,00,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NetDetect]
"DisplayName"="NetDetect"
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):5c,53,79,73,74,65,6d,52,6f,6f,74,5c,73,79,73,74,65,6d,33,32,\
5c,64,72,69,76,65,72,73,5c,6e,65,74,64,74,65,63,74,2e,73,79,73,00
"Start"=dword:00000003
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NetDetect\Enum]
"0"="Root\LEGACY_NETDETECT\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Netlogon]
"Type"=dword:00000020
"Start"=dword:00000003
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,\
32,5c,6c,73,61,73,73,2e,65,78,65,00
"DisplayName"="Net Logon"
"Group"="RemoteValidation"
"DependOnService"=hex(7):4c,61,6e,6d,61,6e,57,6f,72,6b,73,74,61,74,69,6f,6e,00,\
00
"DependOnGroup"=hex(7):00
"ObjectName"="LocalSystem"
"Description"="Supports pass-through authentication of account logon events for computers in a domain."

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Netlogon\Parameters]
"DisablePasswordChange"=dword:00000000
"requiresignorseal"=dword:00000000
"requiresstrongkey"=dword:00000000
"sealsecurechannel"=dword:00000001
"signsecurechannel"=dword:00000001

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"DBFlag"="0"
"Update"="no"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Netlogon\Security]
"Security"=hex:01,00,14,80,a8,00,00,00,b4,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,00,01,00,00,\
00,00,02,00,78,00,05,00,00,00,00,14,00,8d,01,02,00,01,01,00,00,00,00,00,\
05,0b,00,00,00,00,18,00,9d,01,02,00,01,02,00,00,00,00,00,05,20,00,00,00,\
23,02,00,00,00,18,00,ff,01,0f,00,01,02,00,00,00,00,05,20,00,00,00,20,\
02,00,00,00,18,00,ff,01,0f,00,01,02,00,00,00,00,05,20,00,00,00,25,02,\
00,00,00,14,00,fd,01,02,00,01,01,00,00,00,00,05,12,00,00,01,01,00,\
00,00,00,05,12,00,00,01,01,00,00,00,00,05,12,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Netman]
"DependOnService"=hex(7):52,70,63,53,73,00,00
"Description"="Manages objects in the Network and Dial-Up Connections folder, in
which you can view both local area network and remote connections."
"DisplayName"="Network Connections"
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,\
32,5c,73,76,63,68,6f,73,74,2e,65,78,65,20,2d,6b,20,6e,65,74,73,76,63,73,00
"ObjectName"="LocalSystem"
"Start"=dword:00000003
"Type"=dword:00000120

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Netman\Parameters]
"ServiceDll"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,\
33,32,5c,6e,65,74,6d,61,6e,2e,64,6c,6c,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Netman\Enum]
"0"="Root\LEGACY_NETMAN\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Npfs]
"ErrorControl"=dword:00000001
"Group"="File system"
"Start"=dword:00000001
"Type"=dword:00000002

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Npfs\Aliases]
"lsass"=hex(7):6e,65,74,6c,6f,67,6f,6e,00,6c,73,61,72,70,63,00,73,61,6d,72,00,\
00
"ntsvcs"=hex(7):73,72,76,73,76,63,00,77,6b,73,73,76,63,00,65,76,65,6e,74,6c,6f,\
67,00,62,72,6f,77,73,65,72,00,6d,73,67,73,76,63,00,73,76,63,63,74,6c,00,77,\
33,32,74,69,6d,65,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Npfs\Enum]
"0"="Root\LEGACY_NPFS\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NtFrs]
"DependOnService"=hex(7):45,76,65,6e,74,4c,6f,67,00,52,70,63,53,73,00,00
"Description"="Maintains file synchronization of file directory contents among
multiple servers."
"DisplayName"="File Replication"
"ErrorControl"=dword:00000000
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,73,79,73,74,65,6d,33,\
32,5c,6e,74,66,72,73,2e,65,78,65,00
"ObjectName"="LocalSystem"
"Start"=dword:00000003
"Type"=dword:00000010

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NtFrs\Parameters]
"Working Directory"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,6e,74,66,72,\
73,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NtFrs\Parameters\SysVol]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Ntfs]
"ErrorControl"=dword:00000001
"Group"="File system"
"Start"=dword:00000004
"Type"=dword:00000002

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Ntfs\Enum]
"0"="Root\LEGACY_NTFS\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NtLmSsp]
"Type"=dword:00000020
"Start"=dword:00000003
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,\
32,5c,6c,73,61,73,73,2e,65,78,65,00
"DisplayName"="NT LM Security Support Provider"
"ObjectName"="LocalSystem"
"Description"="Provides security to remote procedure call (RPC) programs that use
transports other than named pipes."

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NtLmSsp\Security]
"Security"=hex:01,00,14,80,a0,00,00,00,ac,00,00,00,14,00,00,00,30,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,00,01,00,00,\
00,00,02,00,70,00,04,00,00,00,00,18,00,fd,01,02,00,01,01,00,00,00,00,\
05,12,00,00,00,20,02,00,00,00,1c,00,ff,01,0f,00,01,02,00,00,00,00,05,\
20,00,00,00,20,02,00,00,03,00,00,00,00,18,00,8d,01,02,00,01,01,00,00,\
00,00,05,0b,00,00,00,20,02,00,00,00,00,1c,00,fd,01,02,00,01,02,00,00,00,\
00,05,20,00,00,23,02,00,00,03,00,00,00,01,01,00,00,00,00,05,12,00,00,\
00,01,01,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NtLmSsp\Enum]
"0"="Root\LEGACY_NTLMSSP\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NtmsSvc]
"DependOnService"=hex(7):52,70,63,53,73,00,00
"Description"="Manages removable media, drives, and libraries."
"DisplayName"="Removable Storage"
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,\
32,5c,73,76,63,68,6f,73,74,2e,65,78,65,20,2d,6b,20,6e,65,74,73,76,63,73,00
"ObjectName"="LocalSystem"
"Start"=dword:00000002
"Type"=dword:00000120

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NtmsSvc\Config]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NtmsSvc\Config\Standalone]
"DriveList"="CdRom0"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NtmsSvc\Parameters]
"ServiceDll"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,\
33,32,5c,4e,74,6d,73,53,76,63,2e,64,6c,6c,00

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NtmsSvc\Security]
"Security"=hex:01,00,14,80,a8,00,00,00,b4,00,00,00,14,00,00,00,30,00,00,02,\
00,1c,00,01,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,78,00,05,00,00,00,00,14,00,8d,01,02,00,01,01,00,00,00,00,\
05,0b,00,00,00,00,18,00,9d,01,02,00,01,02,00,00,00,00,00,05,20,00,00,\
23,02,00,00,00,18,00,ff,01,0f,00,01,02,00,00,00,00,05,20,00,00,00,20,\
02,00,00,00,18,00,ff,01,0f,00,01,02,00,00,00,00,05,20,00,00,25,02,\
00,00,00,14,00,fd,01,02,00,01,01,00,00,00,00,05,12,00,00,01,01,00,\
00,00,00,05,12,00,00,01,01,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NtmsSvc\Enum]
"0"="Root\LEGACY_NTMSVC\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Null]
"ErrorControl"=dword:00000001
"Group"="Base"
"Start"=dword:00000001
"Tag"=dword:00000001
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Null\Enum]
"0"="Root\LEGACY_NULL\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NwlnkFlt]
"Type"=dword:00000001
"Start"=dword:00000003
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,44,52,49,56,45,52,53,5c,6e,77,6c,\
6e,6b,66,6c,74,2e,73,79,73,00
"DisplayName"="IPX Traffic Filter Driver"
"DependOnService"=hex(7):4e,77,6c,6e,6b,46,77,64,00,00
"DependOnGroup"=hex(7):00
"Description"="IPX Traffic Filter Driver"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NwlnkFlt\Security]
"Security"=hex:01,00,14,80,a0,00,00,00,ac,00,00,00,14,00,00,00,30,00,00,02,\
00,00,02,00,70,00,04,00,00,00,00,18,00,fd,01,02,00,01,01,00,00,00,00,\
05,12,00,00,00,20,02,00,00,00,1c,00,ff,01,0f,00,01,02,00,00,00,00,05,\
20,00,00,00,20,02,00,00,00,00,18,00,8d,01,02,00,01,01,00,00,00,\
00,00,05,0b,00,00,20,02,00,00,00,1c,00,fd,01,02,00,01,02,00,00,00,\
00,05,20,00,00,23,02,00,00,00,00,01,01,00,00,00,00,05,12,00,00,\
00,01,01,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NwlnkFwd]
"Type"=dword:00000001
"Start"=dword:00000003
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,44,52,49,56,45,52,53,5c,6e,77,6c,\
6e,6b,66,77,64,2e,73,79,73,00
"DisplayName"="IPX Traffic Forwarder Driver"
"Description"="IPX Traffic Forwarder Driver"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NwlnkFwd\Security]
"Security"=hex:01,00,14,80,a0,00,00,00,ac,00,00,00,14,00,00,00,30,00,00,02,\
00,1c,00,01,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,70,00,04,00,00,00,00,18,00,fd,01,02,00,01,01,00,00,00,\
05,12,00,00,00,20,02,00,00,00,1c,00,ff,01,0f,00,01,02,00,00,00,00,05,\
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20,00,00,00,20,02,00,00,00,00,00,00,00,18,00,8d,01,02,00,01,01,00,00,00,\
00,00,05,0b,00,00,00,20,02,00,00,00,00,1c,00,fd,01,02,00,01,02,00,00,00,\
00,05,20,00,00,00,23,02,00,00,00,00,00,00,01,01,00,00,00,00,05,12,00,00,\
00,01,01,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Parallel]
"DependOnGroup"=hex(7):50,61,72,61,6c,6c,65,6c,20,61,72,62,69,74,72,61,74,6f,\
72,00,00
"DependOnService"=hex(7):50,61,72,70,6f,72,74,00,00
"ErrorControl"=dword:00000001
"Group"="Extended base"
"Start"=dword:00000003
"Tag"=dword:00000002
"Type"=dword:00000001
"DisplayName"="Parallel class driver"
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,44,52,49,56,45,52,53,5c,70,61,72,\
61,6c,6c,65,6c,2e,73,79,73,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Parallel\Parameters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Parallel\Enum]
"0"="Root\PARALLELCLASS\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Parport]
"ErrorControl"=dword:00000000
"Group"="Parallel arbitrator"
"Start"=dword:00000001
"Tag"=dword:00000001
"Type"=dword:00000001
"DisplayName"="Parallel port driver"
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,44,52,49,56,45,52,53,5c,70,61,72,\
70,6f,72,74,2e,73,79,73,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Parport\Enum]
"0"="ACPI\FNP0400\5&3b049a2c&0"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\PartMgr]
"ErrorControl"=dword:00000001
"Group"="System Bus Extender"
"Start"=dword:00000000
"Tag"=dword:00000005
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\PartMgr\Enum]
"0"="Root\LEGACY_PARTMGR\0000"
"Count"=dword:00000010
"NextInstance"=dword:00000010
"1"="SCSI\Disk&Ven_Compag&Prod_Disk_Array&Rev_1.34\4&5&8&9&a&0&000"
"2"="CPQBMIC\Disk&LDRV_00\4&3&4&3&4&2&2&1&00"
"3"="CPQBMIC\Disk&LDRV_01\4&3&4&3&4&2&2&1&01"
"4"="CPQBMIC\Disk&LDRV_02\4&3&4&3&4&2&2&1&02"
"5"="CPQBMIC\Disk&LDRV_00\4&3&5&e&2&7&1&f&1&00"
"6"="CPQBMIC\Disk&LDRV_01\4&3&5&e&2&7&1&f&1&01"
"7"="CPQBMIC\Disk&LDRV_02\4&3&5&e&2&7&1&f&1&02"
"8"="CPQBMIC\Disk&LDRV_00\4&2&4&d&4&9&4&0&2&1&00"
"9"="CPQBMIC\Disk&LDRV_01\4&2&4&d&4&9&4&0&2&1&01"
"10"="CPQBMIC\Disk&LDRV_00\4&1&5&ba&4&0&8&5&1&00"
"11"="CPQBMIC\Disk&LDRV_01\4&1&5&ba&4&0&8&5&1&01"
"12"="CPQBMIC\Disk&LDRV_02\4&1&5&ba&4&0&8&5&1&02"
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"13"="CPQBMIC\Disk&LDRV_00\4&34c34336&1&00"
"14"="CPQBMIC\Disk&LDRV_01\4&34c34336&1&01"
"15"="CPQBMIC\Disk&LDRV_02\4&34c34336&1&02"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\ParVdm]
"DependOnGroup"=hex(7):50,61,72,61,6c,6c,65,6c,20,61,72,62,69,74,72,61,74,6f,\
72,00,00
"DependOnService"=hex(7):50,61,72,70,6f,72,74,00,00
"ErrorControl"=dword:00000000
"Group"="Extended base"
"Start"=dword:00000002
"Tag"=dword:00000002
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\ParVdm\Parameters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\ParVdm\Enum]
"0"="Root\LEGACY_PARVDM\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\PCI]
"ErrorControl"=dword:00000003
"Group"="Boot Bus Extender"
"Start"=dword:00000000
"Tag"=dword:00000002
"Type"=dword:00000001
"DisplayName"="PCI Bus Driver"
"ImagePath"=shex(2):53,79,73,74,65,6d,33,32,5c,44,52,49,56,45,52,53,5c,70,63,69,\
2e,73,79,73,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\PCI\Parameters]
"Options"=dword:00000002
"C6211045"=dword:00000004
"06401095"=dword:00000004
"12308086"=dword:00000004
"70108086"=dword:00000004
"0140104B"=dword:00000008
"06031179"=dword:00000008
"71138086"=dword:00000008
"84C54978"=dword:00000008
"30401106"=dword:00000008
"10000E11"=dword:00000010
"20000E11"=dword:00000010
"04061039"=dword:00000010
"04828086"=dword:00004000
"00088086"=dword:00000010
"00021014"=dword:00000010
"06001080"=dword:00000020
"11001013"=dword:00000040
"521910B9"=dword:00000080
"00011C1C"=dword:00000100
"00381097"=dword:00000100
"D001100B"=dword:00000400
"04A38086"=dword:00000800
"000010AA"=dword:00000800
"88D15333"=dword:00000800
"06051179"=dword:00001000
"11101013"=dword:00002000
"04781180"=dword:00002000
"04751180"=dword:00002000
"04761180"=dword:00002000
"01011004"=dword:00004000

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"10001042"=dword:00004000
"AC12104C"=dword:00010000
"04661180"=dword:00010000
"00951014"=dword:00040000
"24188086"=dword:00040000
"24288086"=dword:00040000
"244E8086"=dword:00040000
"24488086"=dword:00040000
"122E8086"=dword:00080000
"70008086"=dword:00080000
"71108086"=dword:00080000
"76008086"=dword:00080000
"47471002"=dword:00400000
"47541002"=dword:00400000
"89015333"=dword:00400000
"00D61013"=dword:00400000
"AC15104C"=dword:00400000
"0004110B"=dword:00400000
"000F1000"=dword:00400000
"AC17104C"=dword:00400000
"93971023"=dword:00400000
"47421002"=dword:00400000
"47441002"=dword:00400000
"47491002"=dword:00400000
"47501002"=dword:00400000
"47511002"=dword:00400000
"47551002"=dword:00400000
"47571002"=dword:20400000
"47591002"=dword:20400000
"4C421002"=dword:00400000
"4C441002"=dword:00400000
"4C471002"=dword:00400000
"4C491002"=dword:00400000
"4C501002"=dword:00400000
"4C511002"=dword:00400000
"56541002"=dword:00400000
"56551002"=dword:00400000
"56561002"=dword:00400000
"0003121A"=dword:00400000
"12318086"=dword:01000000
"00021273"=dword:01000000
"007D1014"=dword:01000000
"01001285"=dword:01000000
"68361217"=dword:08000000
"68321217"=dword:08000000
"07A01091"=dword:20000000
"78008086"=dword:20000000
"800510c8"=dword:20000000
"800610c8"=dword:20000000
"000510c8"=dword:20000000
"000610c8"=dword:20000000
"1001102B"=dword:80000000
"06461095"=dword:20000000
"06701095"=dword:20000000
"00261011"=dword:20000000
"B1548086"=dword:20000000
"89045333"=dword:20000000
"06091179"=dword:40000000
"00471014"=dword:40000000
"051B102B"=dword:80000000
"0520102B"=dword:80000000
"1025102B"=dword:80000000
"0525102B"=dword:80000000

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"71218086"=dword:80000000
"71238086"=dword:80000000
"71258086"=dword:80000000
"11328086"=dword:80000000
"00509005"=dword:80000000
"005F9005"=dword:80000000
"4C4D1002"=dword:80000000
"4C521002"=dword:80000000
"4C4E1002"=dword:80000000
"4C531002"=dword:80000000
"47521002"=dword:80000000
"474F1002"=dword:80000000
"474D1002"=dword:80000000
"47531002"=dword:80000000
"474C1002"=dword:80000000
"474E1002"=dword:80000000
"98801023"=dword:80000000
"00A010DE"=dword:80000000
"00A110DE"=dword:80000000
"00A310DE"=dword:80000000
"00B010DE"=dword:80000000
"00B110DE"=dword:80000000
"00B310DE"=dword:80000000
"010010DE"=dword:80000000
"010110DE"=dword:80000000
"010210DE"=dword:80000000
"010310DE"=dword:80000000
"012010DE"=dword:80000000
"012110DE"=dword:80000000
"012210DE"=dword:80000000
"012310DE"=dword:80000000
"015010DE"=dword:80000000
"015110DE"=dword:80000000
"015210DE"=dword:80000000
"015310DE"=dword:80000000
"020010DE"=dword:80000000
"020110DE"=dword:80000000
"020210DE"=dword:80000000
"020310DE"=dword:80000000
"001812D2"=dword:80000000
"001912D2"=dword:80000000
"0521102B"=dword:a0000000
"3202100C"=dword:00008a00
"80021066"=dword:00300000
"00021066"=dword:00300000
"01021004"=dword:02004000
"C8141045"=dword:20400000
"47561002"=dword:20400000
"475A1002"=dword:20400000
"000B1000"=dword:a0000000
"002010DE"=dword:a0000000
"002810DE"=dword:a0000000
"002910DE"=dword:a0000000
"002A10DE"=dword:a0000000
"002B10DE"=dword:a0000000
"002C10DE"=dword:a0000000
"002D10DE"=dword:a0000000
"002E10DE"=dword:a0000000
"002F10DE"=dword:a0000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\PCI\Enum]
"0"="ACPI\PNP0A03\0"
"Count"=dword:00000005

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"NextInstance"=dword:00000005
"1"="ACPI\PNP0A03\1"
"2"="ACPI\PNP0A03\2"
"3"="PCI\VEN_1011&DEV_0026&SUBSYS_00000000&REV_02\3&13c0b0c5&0&08"
"4"="PCI\VEN_1011&DEV_0026&SUBSYS_00000000&REV_02\3&1070020&0&10"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\PCIDump]
"ErrorControl"=dword:00000000
"Group"="PCI Configuration"
"Start"=dword:00000001
"Tag"=dword:00000001
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\PCIIde]
"ErrorControl"=dword:00000001
"Group"="System Bus Extender"
"Start"=dword:00000004
"Tag"=dword:00000003
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Pcmcia]
"ErrorControl"=dword:00000001
"Group"="System Bus Extender"
"Start"=dword:00000004
"Tag"=dword:00000001
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Pcmcia\Parameters]
"ControllerInterruptMask"=dword:0000ffff
"Interrupt"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\PDCOMP]
"ErrorControl"=dword:00000000
"Start"=dword:00000003
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\PDFRAME]
"ErrorControl"=dword:00000000
"Start"=dword:00000003
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\PDRELI]
"ErrorControl"=dword:00000000
"Start"=dword:00000003
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\PDRFRAME]
"ErrorControl"=dword:00000000
"Start"=dword:00000003
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\PerfDisk]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\PerfDisk\Performance]
"Close"="CloseDiskObject"
"Collect"="CollectDiskObjectData"
"Collect Timeout"=dword:000007d0
"Library"="perfdisk.dll"
"Object List"="234 236"
"Open"="OpenDiskObject"
"Open Timeout"=dword:00001388
"SystemStartTimeOfLastErrorMsg"=hex:18,e2,b7,ee,cf,78,bf,01
"WbemAdapFileTime"=hex:00,60,4e,96,aa,40,bf,01

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"WbemAdapFileSize"=dword:00005910
"WbemAdapStatus"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\PerfNet]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\PerfNet\Performance]
"Close"="CloseNetSvcsObject"
"Collect"="CollectNetSvcsObjectData"
"Collect Timeout"=dword:00001388
"Library"="perfnets.dll"
"Object List"="52 262 330 1300"
"Open"="OpenNetSvcsObject"
"Open Timeout"=dword:00001f40
"WbemAdapFileType"=hex:00,60,4e,96,aa,40,bf,01
"WbemAdapFileSize"=dword:00004510
"WbemAdapStatus"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\PerfOS]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\PerfOS\Performance]
"Close"="CloseOSObject"
"Collect"="CollectOSObjectData"
"Collect Timeout"=dword:000007d0
"Library"="perfos.dll"
"Object List"="2 4 86 238 260 700"
"Open"="OpenOSObject"
"Open Timeout"=dword:00001388
"WbemAdapFileType"=hex:00,60,4e,96,aa,40,bf,01
"WbemAdapFileSize"=dword:00005510
"WbemAdapStatus"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\PerfProc]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\PerfProc\Performance]
"Close"="CloseSysProcessObject"
"Collect"="CollectSysProcessObjectData"
"Collect Timeout"=dword:00001f40
"Library"="perfproc.dll"
"Object List"="230 232 786 740 816 1408 1500 1548"
"Open"="OpenSysProcessObject"
"Open Timeout"=dword:00002710
"WbemAdapFileType"=hex:00,60,4e,96,aa,40,bf,01
"WbemAdapFileSize"=dword:00006d10
"WbemAdapStatus"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\PlugPlay]
"Description"="Manages device installation and configuration and notifies programs
of device changes."
"DisplayName"="Plug and Play"
"ErrorControl"=dword:00000001
"Group"="PlugPlay"
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,73,79,73,74,65,6d,33,\
32,5c,73,65,72,76,69,63,65,73,2e,65,78,65,00
"ObjectName"="LocalSystem"
"PlugPlayServiceType"=dword:00000003
"Start"=dword:00000002
"Type"=dword:00000020

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\PlugPlay\Security]
"Security"=hex:01,00,14,80,a8,00,00,00,b4,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,78,00,05,00,00,00,00,00,14,00,8d,01,02,00,01,01,00,00,00,00,\
05,12,00,00,00,20,02,00,00,00,1c,00,ff,01,0f,00,01,02,00,00,00,00,05,\
20,00,00,00,20,02,00,00,75,cf,ce,31,00,00,18,00,8d,01,02,00,01,01,00,00,\
00,00,05,0b,00,00,00,20,02,00,00,00,1c,00,fd,01,02,00,01,02,00,00,00,\
00,05,20,00,00,00,23,02,00,00,75,cf,ce,31,01,01,00,00,00,00,05,12,00,00,\
00,01,01,00,00,00,00,00,05,12,00,00,00

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23,02,00,00,00,00,18,00,ff,01,0f,00,01,02,00,00,00,00,00,05,20,00,00,00,20,\
02,00,00,00,00,18,00,ff,01,0f,00,01,02,00,00,00,00,00,05,20,00,00,25,02,\
00,00,00,00,14,00,fd,01,02,00,01,01,00,00,00,00,00,05,12,00,00,01,01,00,\
00,00,00,00,05,12,00,00,00,01,01,00,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\PolicyAgent]
"Type"=dword:00000020
"Start"=dword:00000002
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,\
32,5c,6c,73,61,73,73,2e,65,78,65,00
"DisplayName"="IPSEC Policy Agent"
"DependOnService"=hex(7):52,50,43,53,53,00,00
"DependOnGroup"=hex(7):00
"ObjectName"="LocalSystem"
"Description"="Manages IP security policy and starts the ISAKMP/Oakley (IKE) and the
IP security driver."

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\PolicyAgent\Security]
"Security"=hex:01,00,14,80,a8,00,00,00,b4,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,78,00,05,00,00,00,00,00,14,00,8d,01,02,00,01,01,00,00,00,00,\
05,0b,00,00,00,00,18,00,9d,01,02,00,01,02,00,00,00,00,00,05,20,00,00,00,\
23,02,00,00,00,18,00,ff,01,0f,00,01,02,00,00,00,00,00,05,20,00,00,20,\
02,00,00,00,18,00,ff,01,0f,00,01,02,00,00,00,00,00,05,20,00,00,25,02,\
00,00,00,00,14,00,fd,01,02,00,01,01,00,00,00,00,00,05,12,00,00,01,01,00,\
00,00,00,00,05,12,00,00,00,01,01,00,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\PolicyAgent\Enum]
"0"="Root\LEGACY_POLICYAGENT\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\PptpMiniport]
"Type"=dword:00000001
"Start"=dword:00000003
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,44,52,49,56,45,52,53,5c,72,61,73,\
70,70,74,70,2e,73,79,73,00
"DisplayName"="WAN Miniport (PPTP)"
"Description"="WAN Miniport (PPTP)"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\PptpMiniport\Security]
"Security"=hex:01,00,14,80,a0,00,00,00,ac,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,70,00,04,00,00,00,00,00,18,00,fd,01,02,00,01,01,00,00,00,00,\
05,12,00,00,00,20,02,00,00,00,1c,00,ff,01,0f,00,01,02,00,00,00,00,05,\
20,00,00,00,20,02,00,00,75,cf,ce,31,00,00,18,00,8d,01,02,00,01,01,00,00,\
00,00,05,0b,00,00,00,20,02,00,00,00,1c,00,fd,01,02,00,01,02,00,00,00,\
00,05,20,00,00,00,23,02,00,00,75,cf,ce,31,01,01,00,00,00,00,00,05,12,00,00,\
00,01,01,00,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\PptpMiniport\Enum]
"0"="Root\MS_PPTPMINIPOINT\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\ProtectedStorage]
"DependOnService"=hex(7):52,70,63,53,73,00,00
"Description"="Provides protected storage for sensitive data, such as private keys,
to prevent access by unauthorized services, processes, or users."
"DisplayName"="Protected Storage"
"ErrorControl"=dword:00000001

```

```
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,73,79,73,74,65,6d,33,\
32,5c,73,65,72,76,69,63,65,73,2e,65,78,65,00
"ObjectName"="LocalSystem"
"Start"=dword:00000002
"Type"=dword:00000120
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\ProtectedStorage\Security]
"Security"=hex:01,00,14,80,a8,00,00,00,b4,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,78,00,05,00,00,00,00,14,00,8d,01,02,00,01,01,00,00,00,00,\
05,0b,00,00,00,00,18,00,9d,01,02,00,01,02,00,00,00,00,05,20,00,00,00,\
23,02,00,00,00,18,00,ff,01,0f,00,01,02,00,00,00,00,05,20,00,00,00,20,\
02,00,00,00,00,18,00,ff,01,0f,00,01,02,00,00,00,00,05,20,00,00,00,25,02,\
00,00,00,00,14,00,fd,01,02,00,01,01,00,00,00,00,05,12,00,00,00,01,01,00,\
00,00,00,05,12,00,00,00,01,01,00,00,00,00,05,12,00,00,00
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\ProtectedStorage\Enum]
"0"="Root\LEGACY_PROTECTEDSTORAGE\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Ptilink]
"Type"=dword:00000001
"Start"=dword:00000003
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,44,52,49,56,45,52,53,5c,70,74,69,\
6c,69,6e,6b,2e,73,79,73,00
"DisplayName"="Direct Parallel Link Driver"
"Description"="Direct Parallel Link Driver"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Ptilink\Security]
"Security"=hex:01,00,14,80,a0,00,00,00,ac,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,70,00,04,00,00,00,00,18,00,fd,01,02,00,01,01,00,00,00,00,\
05,12,00,00,00,20,02,00,00,00,1c,00,ff,01,0f,00,01,02,00,00,00,00,05,\
20,00,00,00,20,02,00,00,75,cf,ce,31,00,00,18,00,8d,01,02,00,01,01,00,00,00,\
00,00,05,0b,00,00,20,02,00,00,00,1c,00,fd,01,02,00,01,02,00,00,00,00,\
00,05,20,00,00,23,02,00,00,75,cf,ce,31,01,01,00,00,00,00,05,12,00,00,\
00,01,01,00,00,00,00,05,12,00,00,00
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Ptilink\Enum]
"0"="Root\MS_PTMINIPORT\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\ql1080]
"ErrorControl"=dword:00000001
"Group"="SCSI miniport"
"Start"=dword:00000004
"Tag"=dword:0000003d
"Type"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\ql1080\Parameters]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\ql1080\Parameters\PnpInterface]
"5"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Ql10wnt]
"ErrorControl"=dword:00000001
"Group"="SCSI miniport"
"Start"=dword:00000004
"Tag"=dword:00000023
```

```
"Type"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Ql10wnt\Parameters]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Ql10wnt\Parameters\PnpInterfac
e]
"5"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\ql1240]
"ErrorControl"=dword:00000001
"Group"="SCSI miniport"
"Start"=dword:00000004
"Tag"=dword:00000031
"Type"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\ql1240\Parameters]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\ql1240\Parameters\PnpInterface]
"5"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\ql2100]
"ErrorControl"=dword:00000001
"Group"="SCSI miniport"
"Start"=dword:00000004
"Tag"=dword:00000028
"Type"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\ql2100\Parameters]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\ql2100\Parameters\PnpInterface]
"5"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RasAcD]
"Type"=dword:00000001
"Start"=dword:00000001
"ErrorControl"=dword:00000001
"Tag"=dword:00000001
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,44,52,49,56,45,52,53,5c,72,61,73,\
61,63,64,2e,73,79,73,00
"DisplayName"="Remote Access Auto Connection Driver"
"Group"="Streams Drivers"
"Description"="Remote Access Auto Connection Driver"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RasAcD\Security]
"Security"=hex:01,00,14,80,a0,00,00,00,ac,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,70,00,04,00,00,00,00,18,00,fd,01,02,00,01,01,00,00,00,00,\
05,12,00,00,00,20,02,00,00,00,1c,00,ff,01,0f,00,01,02,00,00,00,00,05,\
20,00,00,00,20,02,00,00,00,00,00,00,18,00,8d,01,02,00,01,01,00,00,00,\
00,00,05,0b,00,00,20,02,00,00,00,1c,00,fd,01,02,00,00,00,00,00,00,00,\
00,05,20,00,00,23,02,00,00,00,00,00,00,01,01,00,00,00,00,05,12,00,00,\
00,01,01,00,00,00,00,05,12,00,00,00
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RasAcD\Enum]
"0"="Root\LEGACY_RASACD\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RasAuto]
"Type"=dword:00000120
"Start"=dword:00000003
```



```

>ErrorControl"=dword:00000001
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,\
32,5c,73,76,63,68,6f,73,74,2e,65,78,65,20,2d,6b,20,6e,65,74,73,76,63,73,00
"DisplayName"="Remote Access Auto Connection Manager"
"DependOnService"=hex(7):52,61,73,4d,61,6e,00,54,61,70,69,73,72,76,00,00
"DependOnGroup"=hex(7):00
"ObjectName"="LocalSystem"
>Description"="Creates a connection to a remote network whenever a program
references a remote DNS or NetBIOS name or address."

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RasAuto\Parameters]
"ServiceDll"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,\
33,32,5c,72,61,73,61,75,74,6f,2e,64,6c,6c,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RasAuto\Security]
"Security"=hex:01,00,14,80,a0,00,00,00,ac,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,70,00,04,00,00,00,00,00,18,00,fd,01,02,00,01,01,00,00,00,00,\
05,12,00,00,00,20,02,00,00,00,1c,00,ff,01,0f,00,01,02,00,00,00,00,05,\
20,00,00,00,20,02,00,00,00,00,00,00,18,00,8d,01,02,00,01,01,00,00,00,\
00,00,05,0b,00,00,20,02,00,00,00,00,1c,00,fd,01,02,00,01,02,00,00,00,\
00,05,20,00,00,00,23,02,00,00,00,00,01,01,00,00,00,00,05,12,00,00,\
00,01,01,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RasL2tp]
"Type"=dword:00000001
"Start"=dword:00000003
>ErrorControl"=dword:00000001
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,44,52,49,56,45,52,53,5c,72,61,73,\
6c,32,74,70,2e,73,79,73,00
"DisplayName"="WAN Miniport (L2TP)"
>Description"="WAN Miniport (L2TP)"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RasL2tp\Security]
"Security"=hex:01,00,14,80,a0,00,00,00,ac,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,00,01,00,00,\
00,00,02,00,70,00,04,00,00,00,00,00,18,00,fd,01,02,00,01,01,00,00,00,00,\
05,12,00,00,00,a1,39,bd,f0,00,00,1c,00,ff,01,0f,00,01,02,00,00,00,00,05,\
20,00,00,00,20,02,00,00,75,cf,ce,31,00,00,18,00,8d,01,02,00,01,01,00,00,00,\
00,00,05,0b,00,00,20,02,00,00,00,00,1c,00,fd,01,02,00,01,02,00,00,00,\
00,05,20,00,00,00,23,02,00,00,75,cf,ce,31,01,01,00,00,00,00,05,12,00,00,\
00,01,01,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RasL2tp\Enum]
"0"="Root\MS_L2TPMINIPOINT\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RasMan]
"Type"=dword:00000120
"Start"=dword:00000003
>ErrorControl"=dword:00000001
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,\
32,5c,73,76,63,68,6f,73,74,2e,65,78,65,20,2d,6b,20,6e,65,74,73,76,63,73,00
"DisplayName"="Remote Access Connection Manager"
"DependOnService"=hex(7):54,61,70,69,73,72,76,00,00
"DependOnGroup"=hex(7):00
"ObjectName"="LocalSystem"
>Description"="Creates a network connection."

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RasMan\Parameters]
"Medias"=hex(7):72,61,73,74,61,70,69,00,00
"ServiceDll"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,\

```

```

33,32,5c,72,61,73,6d,61,6e,73,2e,64,6c,6c,00
"IpOutLowWatermark"=dword:00000001
"IpOutHighWatermark"=dword:00000005

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RasMan\PPP]
"MaxConfigure"=dword:0000000a
"MaxFailure"=dword:0000000a
"MaxReject"=dword:00000005
"MaxTerminate"=dword:00000002
"Multilink"=dword:00000000
"NegotiateTime"=dword:00000096
"RestartTimer"=dword:00000003

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RasMan\PPP\ControlProtocols]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RasMan\PPP\ControlProtocols\Bui
iltIn]
"Path"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,32,\
5c,72,61,73,70,70,70,2e,64,6c,6c,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RasMan\PPP\ControlProtocols\Ch
ap]
"Path"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,32,\
5c,72,61,73,63,68,61,70,2e,64,6c,6c,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RasMan\PPP\EAP]
"Path"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,32,\
5c,72,61,73,70,70,70,2e,64,6c,6c,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RasMan\PPP\EAP\13]
"DisplayName"="Smart Card or other Certificate"
"Path"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,32,\
5c,72,61,73,74,6c,73,2e,64,6c,6c,00
"ConfigUIPath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,\
33,32,5c,72,61,73,74,6c,73,2e,64,6c,6c,00
"IdentityPath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,\
33,32,5c,72,61,73,74,6c,73,2e,64,6c,6c,00
"InteractiveUIPath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\
65,6d,33,32,5c,72,61,73,74,6c,73,2e,64,6c,6c,00
"InvokeUsernameDialog"=dword:00000000
"InvokePasswordDialog"=dword:00000000
"MPPEEncryptionSupported"=dword:00000001
"ConfigCLSID"="{58AB2366-D597-11d1-B90E-00C04FC9B263}"
"StandaloneSupported"=dword:00000000
"NoRootRevocationCheck"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RasMan\PPP\EAP\4]
"DisplayName"="MD5-Challenge"
"Path"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,32,\
5c,72,61,73,63,68,61,70,2e,64,6c,6c,00
"InvokeUsernameDialog"=dword:00000001
"InvokePasswordDialog"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RasMan\Security]
"Security"=hex:01,00,14,80,7c,00,00,00,88,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,00,01,00,00,\
00,00,02,00,4c,00,03,00,00,00,00,00,14,00,9d,01,02,00,01,01,00,00,00,00,\
05,0b,00,00,00,00,18,00,fd,01,02,00,01,02,00,00,00,00,05,20,00,00,00,\
23,02,00,00,00,00,18,00,ff,01,0f,00,01,02,00,00,00,00,00,05,20,00,00,20,\
02,00,00,01,01,00,00,00,00,05,12,00,00,00,01,01,00,00,00,00,05,12,00,00,\
00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RasMan\Enum]

```

```

"0"="Root\\LEGACY_RASMAN\\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Raspti]
"Type"=dword:00000001
"Start"=dword:00000003
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,44,52,49,56,45,52,53,5c,72,61,73,\
70,74,69,2e,73,79,73,00
"DisplayName"="Direct Parallel"
"Description"="Direct Parallel"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Raspti\Security]
"Security"=hex:01,00,14,80,a0,00,00,00,ac,00,00,00,14,00,00,00,30,00,00,02,\
00,1c,00,01,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,70,00,04,00,00,00,00,00,18,00,fd,01,02,00,01,01,00,00,00,00,\
05,12,00,00,00,20,02,00,00,00,00,1c,00,ff,01,0f,00,01,02,00,00,00,00,05,\
20,00,00,00,20,02,00,00,75,cf,ce,31,00,00,18,00,8d,01,02,00,01,01,00,00,00,\
00,00,05,0b,00,00,00,20,02,00,00,00,1c,00,fd,01,02,00,01,02,00,00,00,\
00,05,20,00,00,00,23,02,00,00,75,cf,ce,31,01,01,00,00,00,00,05,12,00,00,\
00,01,01,00,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Raspti\Enum]
"0"="Root\MS_PTMINIPORT\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RCA]
"Type"=dword:00000001
"Start"=dword:00000003
"ErrorControl"=dword:00000001
"Tag"=dword:00000004
"ImagePath"=hex(2):73,79,73,74,65,6d,33,32,5c,64,72,69,76,65,72,73,5c,52,43,41,\
2e,73,79,73,00
"DisplayName"="Microsoft Streaming Network Raw Channel Access"
"Group"="ExtendedBase"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RCA\Security]
"Security"=hex:01,00,14,80,a0,00,00,00,ac,00,00,00,14,00,00,00,30,00,00,02,\
00,1c,00,01,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,70,00,04,00,00,00,00,00,18,00,fd,01,02,00,01,01,00,00,00,00,\
05,12,00,00,00,02,00,00,00,00,00,1c,00,ff,01,0f,00,01,02,00,00,00,00,05,\
20,00,00,00,20,02,00,00,03,00,00,00,00,00,18,00,8d,01,02,00,01,01,00,00,00,\
00,00,05,0b,00,00,00,20,02,00,00,00,1c,00,fd,01,02,00,01,02,00,00,00,\
00,05,20,00,00,00,23,02,00,00,03,00,00,00,01,01,00,00,00,00,05,12,00,00,\
00,01,01,00,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Rdbss]
"Type"=dword:00000002
"Start"=dword:00000001
"ErrorControl"=dword:00000001
"Tag"=dword:00000004
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,44,52,49,56,45,52,53,5c,72,64,62,\
73,73,2e,73,79,73,00
"DisplayName"="Rdbss"
"Group"="Network"
"Description"="Rdbss"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Rdbss\Security]
"Security"=hex:01,00,14,80,a0,00,00,00,ac,00,00,00,14,00,00,00,30,00,00,02,\
00,1c,00,01,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,70,00,04,00,00,00,00,00,18,00,fd,01,02,00,01,01,00,00,00,00,\

```

```

05,12,00,00,00,02,00,00,00,00,1c,00,ff,01,0f,00,01,02,00,00,00,00,05,\
20,00,00,00,20,02,00,00,03,00,00,00,00,18,00,8d,01,02,00,01,01,00,00,00,\
00,00,05,0b,00,00,00,20,02,00,00,00,1c,00,fd,01,02,00,01,02,00,00,00,\
00,05,20,00,00,00,23,02,00,00,03,00,00,00,01,01,00,00,00,00,05,12,00,00,\
00,01,01,00,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Rdbss\Enum]
"0"="Root\\LEGACY_RDBSS\\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RDPDD]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RDPDD\Device0]
"InstalledDisplayDrivers"=hex(7):52,44,50,44,44,00,00
"VgaCompatible"=dword:00000000
"DefaultSettings.XResolution"=dword:00000320
"DefaultSettings.YResolution"=dword:00000258
"Attach.RelativeX"=dword:00000000
"Attach.RelativeY"=dword:00000000
"Attach.ToDesktop"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\rdpdr]
"Type"=dword:00000001
"Start"=dword:00000003
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,44,52,49,56,45,52,53,5c,72,64,70,\
64,72,2e,73,79,73,00
"DisplayName"="Terminal Server Device Redirector Driver"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\rdpdr\Security]
"Security"=hex:01,00,14,80,a0,00,00,00,ac,00,00,00,14,00,00,00,30,00,00,02,\
00,1c,00,01,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,70,00,04,00,00,00,00,00,18,00,fd,01,02,00,01,01,00,00,00,00,\
05,12,00,00,00,20,02,00,00,00,1c,00,ff,01,0f,00,01,02,00,00,00,00,05,\
20,00,00,00,20,02,00,00,00,00,00,00,00,00,18,00,8d,01,02,00,01,01,00,00,00,\
00,00,05,0b,00,00,00,20,02,00,00,00,1c,00,fd,01,02,00,01,02,00,00,00,\
00,05,20,00,00,00,23,02,00,00,00,00,00,00,01,01,00,00,00,00,05,12,00,00,\
00,01,01,00,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\rdpdr\Enum]
"0"="Root\\RDPDR\\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RDPWD]
"ErrorControl"=dword:00000000
"Start"=dword:00000003
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RDPWD\Enum]
"0"="Root\\LEGACY_RDPWD\\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\redbook]
"Type"=dword:00000001
"Start"=dword:00000001
"ErrorControl"=dword:00000001
"Tag"=dword:00000002
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,44,52,49,56,45,52,53,5c,72,65,64,\
62,6f,6f,6b,2e,73,79,73,00
"DisplayName"="Digital CD Audio Playback Filter Driver"

```

```

"Group"="Pnp Filter"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\redbook\Security]
"Security"=hex:01,00,14,80,a0,00,00,00,ac,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,70,00,04,00,00,00,00,00,18,00,fd,01,02,00,01,01,00,00,00,00,\
05,12,00,00,00,69,00,76,00,00,00,1c,00,ff,01,0f,00,01,02,00,00,00,00,05,\
20,00,00,00,20,02,00,00,65,00,72,00,00,00,18,00,8d,01,02,00,01,01,00,00,\
00,00,05,0b,00,00,20,02,00,00,00,00,1c,00,fd,01,02,00,01,02,00,00,00,\
00,05,20,00,00,00,23,02,00,00,65,00,72,00,01,01,00,00,00,00,05,12,00,00,\
00,01,01,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\redbook\Enum]
"Count"=dword:00000000
"NextInstance"=dword:00000000
"INITSTARTFAILED"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess]
"Type"=dword:0000120
"Start"=dword:00000004
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,\
32,5c,73,76,63,68,6f,73,74,2e,65,78,65,20,2d,6b,20,6e,65,74,73,76,63,73,00
"DisplayName"="Routing and Remote Access"
"DependOnService"=hex(7):52,70,63,53,53,00,00
"DependOnGroup"=hex(7):4e,65,74,42,49,4f,53,47,72,6f,75,70,00,00
"ObjectName"="LocalSystem"
"Description"="Offers routing services to businesses in local area and wide area
network environments."

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Accounting]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Accounting\Provid
ers]
"ActiveProvider"="{1AA7F846-C7F5-11D0-A376-00C04FC9DA04}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Accounting\Provid
ers\{1AA7F840-C7F5-11D0-A376-00C04FC9DA04}]
"ConfigClsid"="{1AA7F840-C7F5-11D0-A376-00C04FC9DA04}"
"DisplayName"="RADIUS Accounting"
"Path"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,32,\
5c,72,61,73,72,61,64,2e,64,6c,6c,00
"ProviderTypeGUID"="{76560D80-2BFD-11d2-9539-3078302C2030}"
"VendorName"="Microsoft"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Accounting\Provid
ers\{1AA7F846-C7F5-11D0-A376-00C04FC9DA04}]
"ConfigClsid"=""
"DisplayName"="Windows Accounting"
"Path"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,32,\
5c,72,61,73,61,75,74,68,2e,64,6c,6c,00
"ProviderTypeGUID"="{76560D81-2BFD-11d2-9539-3078302C2030}"
"VendorName"="Microsoft"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Authentication]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Authentication\Pr
oviders]
"ActiveProvider"="{1AA7F841-C7F5-11D0-A376-00C04FC9DA04}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Authentication\Pr
oviders\{1AA7F83F-C7F5-11D0-A376-00C04FC9DA04}]
"ConfigClsid"="{1AA7F83F-C7F5-11D0-A376-00C04FC9DA04}"

```

```

"DisplayName"="RADIUS Authentication"
"Path"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,32,\
5c,72,61,73,72,61,64,2e,64,6c,6c,00
"VendorName"="Microsoft"
"ProviderTypeGUID"="{76560D00-2BFD-11d2-9539-3078302C2030}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Authentication\Pr
oviders\{1AA7F841-C7F5-11D0-A376-00C04FC9DA04}]
"ConfigClsid"=""
"DisplayName"="Windows Authentication"
"Path"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,32,\
5c,72,61,73,61,75,74,68,2e,64,6c,6c,00
"VendorName"="Microsoft"
"ProviderTypeGUID"="{76560D01-2BFD-11d2-9539-3078302C2030}"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\DemandDialManager
]
"DllPath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,\
32,5c,6d,70,72,64,64,6d,2e,64,6c,6c,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Interfaces]
"Stamp"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Interfaces\0]
"InterfaceName"="Loopback"
"Type"=dword:00000005
"Enabled"=dword:00000001
"Stamp"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Interfaces\0\Ip]
"ProtocolId"=dword:00000021
"InterfaceInfo"=hex:01,00,00,00,68,00,00,00,03,00,00,00,05,00,ff,ff,38,00,00,\
00,00,00,00,00,40,00,00,00,04,00,ff,ff,04,00,00,00,01,00,00,00,40,00,00,\
07,00,ff,ff,10,00,00,00,01,00,00,00,48,00,00,00,00,00,00,01,00,00,00,\
00,00,00,58,02,c2,01,08,07,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Interfaces\1]
"InterfaceName"="Internal"
"Type"=dword:00000004
"Enabled"=dword:00000001
"Stamp"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Interfaces\1\Ip]
"ProtocolId"=dword:00000021
"InterfaceInfo"=hex:01,00,00,00,68,00,00,00,03,00,00,00,05,00,ff,ff,38,00,00,\
00,00,00,00,00,40,00,00,00,04,00,ff,ff,04,00,00,00,01,00,00,00,40,00,00,\
07,00,ff,ff,10,00,00,00,01,00,00,00,48,00,00,00,00,00,00,00,01,00,00,00,\
00,00,00,58,02,c2,01,08,07,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Interfaces\4]
"InterfaceName"="{3EED0730-D782-4227-AA0E-B18531F7D1FB}"
"Type"=dword:00000003
"Enabled"=dword:00000001
"Stamp"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Interfaces\4\Ip]
"ProtocolId"=dword:00000021
"InterfaceInfo"=hex:01,00,00,00,68,00,00,00,03,00,00,00,05,00,ff,ff,38,00,00,\
00,00,00,00,00,40,00,00,00,04,00,ff,ff,04,00,00,00,01,00,00,00,40,00,00,\
07,00,ff,ff,10,00,00,00,01,00,00,00,48,00,00,00,00,00,00,00,01,00,00,00,\
00,00,00,58,02,c2,01,08,07,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00

```

00,00,00,00,00,00,00,00,00,00

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Interfaces\5]
"InterfaceName"="{8660340F-FD37-40AA-B887-9DDC6C5E12DE}"
"Type"=dword:00000003
"Enabled"=dword:00000001
"Stamp"=dword:00000000
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Interfaces\5\Ip]
"ProtocolId"=dword:00000021
"InterfaceInfo"=hex:01,00,00,00,68,00,00,00,03,00,00,00,05,00,ff,ff,38,00,00,\
00,00,00,00,00,40,00,00,00,04,00,ff,ff,04,00,00,00,01,00,00,00,40,00,00,00,\
07,00,ff,ff,10,00,00,00,01,00,00,00,48,00,00,00,00,00,00,00,01,00,00,00,00,\
00,00,00,58,02,c2,01,08,07,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Interfaces\6]
"InterfaceName"="{13B84ED8-0F34-4B7E-94B0-EC4FA6E856EB}"
"Type"=dword:00000003
"Enabled"=dword:00000001
"Stamp"=dword:00000000
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Interfaces\6\Ip]
"ProtocolId"=dword:00000021
"InterfaceInfo"=hex:01,00,00,00,68,00,00,00,03,00,00,00,05,00,ff,ff,38,00,00,\
00,00,00,00,00,40,00,00,00,04,00,ff,ff,04,00,00,00,01,00,00,00,40,00,00,00,\
07,00,ff,ff,10,00,00,00,01,00,00,00,48,00,00,00,00,00,00,00,01,00,00,00,00,\
00,00,00,58,02,c2,01,08,07,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Interfaces\7]
"InterfaceName"="{CA110D7E-A9E6-48AA-9B01-5A5670CD4A7D}"
"Type"=dword:00000003
"Enabled"=dword:00000001
"Stamp"=dword:00000000
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Interfaces\7\Ip]
"ProtocolId"=dword:00000021
"InterfaceInfo"=hex:01,00,00,00,68,00,00,00,03,00,00,00,05,00,ff,ff,38,00,00,\
00,00,00,00,00,40,00,00,00,04,00,ff,ff,04,00,00,00,01,00,00,00,40,00,00,00,\
07,00,ff,ff,10,00,00,00,01,00,00,00,48,00,00,00,00,00,00,00,01,00,00,00,00,\
00,00,00,58,02,c2,01,08,07,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Interfaces\8]
"InterfaceName"="{503A6ECA-C489-4EC2-A96D-BB74710B0D6C}"
"Type"=dword:00000003
"Enabled"=dword:00000001
"Stamp"=dword:00000000
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Interfaces\8\Ip]
"ProtocolId"=dword:00000021
"InterfaceInfo"=hex:01,00,00,00,68,00,00,00,03,00,00,00,05,00,ff,ff,38,00,00,\
00,00,00,00,00,40,00,00,00,04,00,ff,ff,04,00,00,00,01,00,00,00,40,00,00,00,\
07,00,ff,ff,10,00,00,00,01,00,00,00,48,00,00,00,00,00,00,00,01,00,00,00,00,\
00,00,00,58,02,c2,01,08,07,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Parameters]
"RouterType"=dword:00000001
"ServerFlags"=dword:00402702
"ServiceDll"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,\
33,32,5c,6d,70,72,64,69,6d,2e,64,6c,6c,00
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Parameters\AppleTalk]
"EnableIn"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Parameters\Ip]
"AllowClientIpAddresses"=dword:00000000
"AllowNetworkAccess"=dword:00000001
"EnableIn"=dword:00000001
"IpAddress"="0.0.0.0"
"IpMask"="0.0.0.0"
"UseDhcpAddressing"=dword:00000001
"EnableRoute"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Parameters\Ipx]
"EnableIn"=dword:00000001
"AcceptRemoteNodeNumber"=dword:00000001
"AllowNetworkAccess"=dword:00000001
"AutoWanNetAllocation"=dword:00000001
"FirstWanNet"=dword:00000000
"GlobalWanNet"=dword:00000001
"LastWanNet"=dword:00000000
"EnableRoute"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Parameters\Nbf]
"EnableIn"=dword:00000001
"AllowNetworkAccess"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Performance]
"Open"="OpenRasPerformanceData"
"Close"="CloseRasPerformanceData"
"Collect"="CollectRasPerformanceData"
"Library"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,\
32,5c,72,61,73,63,74,72,73,2e,64,6c,6c,00
"Last Counter"=dword:000007e4
"Last Help"=dword:000007e5
"First Counter"=dword:000007be
"First Help"=dword:000007bf
"WbemAdapFileTime"=hex:00,60,4e,96,aa,40,bf,01
"WbemAdapFileSize"=dword:00003110
"WbemAdapStatus"=dword:00000000
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Policy]
"ProductDir"="C:\WINNT\System32\IAS"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Policy\Pipelines]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Policy\Pipelines\01]
"Description"="Begin Session Pipeline"
"Events"=""
"Id"=dword:00000001
"Merit"=dword:00000001
"Name"="Begin Session"
"ParentId"=dword:00000000
"ProgId"="IAS.Pipeline"
"Type"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Policy\Pipelines\01\Stages]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Policy\Pipelines\01\Stages\01]
```

```

"Description"="Roaming (Realms) Stage"
"Events"=""
"Id"=dword:00000001
"Merit"=dword:00000001
"Name"="Roaming"
"ParentId"=dword:00000001
"ProgId"="IAS.Stage"
"Type"=dword:00000002

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Policy\Pipelines\
01\Stages\01\RequestHandlers]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Policy\Pipelines\
01\Stages\01\RequestHandlers\12]
"Description"="Microsoft Names Provider"
"Events"="1"
"Id"=dword:0000000c
"Merit"=dword:00000001
"Name"="MS Names"
"ParentId"=dword:00000003
"ProgId"="IAS.NTSamNames"
"Type"=dword:00000003

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Policy\Pipelines\
01\Stages\02]
"Description"="User Credential Retrieval"
"Events"=""
"Id"=dword:00000002
"Merit"=dword:00000002
"Name"="Credential Retrieval"
"ParentId"=dword:00000001
"ProgId"="IAS.Stage"
"Type"=dword:00000002

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Policy\Pipelines\
01\Stages\02\RequestHandlers]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Policy\Pipelines\
01\Stages\02\RequestHandlers\01]
"Description"="Microsoft Credential Retrieval - NT SAM"
"Events"="1"
"Id"=dword:00000001
"Merit"=dword:00000002
"Name"="Authentication"
"ParentId"=dword:00000004
"ProgId"="IAS.NTSamAuthentication"
"Type"=dword:00000003

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Policy\Pipelines\
01\Stages\02\RequestHandlers\03]
"Description"="Microsoft BaseCamp Extension Host"
"Events"="1 4"
"Id"=dword:00000003
"Merit"=dword:00000001
"Name"="BaseCamp Host"
"ParentId"=dword:00000004
"ProgId"="IAS.BaseCampHost"
"Type"=dword:00000003

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Policy\Pipelines\
01\Stages\03]
"Description"="Network Access Policy Evaluation"
"Events"=""

```

```

"Id"=dword:00000003
"Merit"=dword:00000003
"Name"="NAP Evaluation"
"ParentId"=dword:00000001
"ProgId"="IAS.Stage"
"Type"=dword:00000002

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Policy\Pipelines\
01\Stages\03\RequestHandlers]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Policy\Pipelines\
01\Stages\03\RequestHandlers\07]
"Description"="Microsoft Network Access Policy Evaluator"
"Events"="1 2"
"Id"=dword:00000007
"Merit"=dword:00000001
"Name"="MS NAP"
"ParentId"=dword:00000005
"ProgId"="IAS.PolicyEnforcer"
"Type"=dword:00000003

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Policy\Pipelines\
01\Stages\04]
"Description"="User Authorization"
"Events"=""
"Id"=dword:00000004
"Merit"=dword:00000004
"Name"="User Authorization"
"ParentId"=dword:00000001
"ProgId"="IAS.Stage"
"Type"=dword:00000002

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Policy\Pipelines\
01\Stages\04\RequestHandlers]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Policy\Pipelines\
01\Stages\04\RequestHandlers\06]
"Description"="Microsoft NT SAM User Authorizations"
"Events"="1 2"
"Id"=dword:00000006
"Merit"=dword:00000001
"Name"="MS User Authorizations"
"ParentId"=dword:00000006
"ProgId"="IAS.NTSamPerUser"
"Type"=dword:00000003

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Policy\Pipelines\
02]
"Description"="In Session Pipeline"
"Events"=""
"Id"=dword:00000002
"Merit"=dword:00000002
"Name"="In Session"
"ParentId"=dword:00000000
"ProgId"="IAS.Pipeline"
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Policy\Pipelines\
02\Stages]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Policy\Pipelines\
02\Stages\05]
"Description"="User Authentication Stage"

```

```

"Events"=""
"Id"=dword:00000005
"Merit"=dword:00000001
"Name"="User Authentication"
"ParentId"=dword:00000002
"ProgId"="IAS.Stage"
"Type"=dword:00000002

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Policy\Pipelines\
02\Stages\05\RequestHandlers]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Policy\Pipelines\
02\Stages\05\RequestHandlers\10]
"Description"="Microsoft EAP Authentication DLL Wrapper"
"Events"=""
"Id"=dword:0000000a
"Merit"=dword:00000001
"Name"="MS EAP DLL Wrapper"
"ParentId"=dword:00000007
"ProgId"="IAS.EAP"
"Type"=dword:00000003

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Policy\Pipelines\
03]
"Description"="End Session Pipeline"
"Events"=""
"Id"=dword:00000003
"Merit"=dword:00000003
"Name"="End Session"
"ParentId"=dword:00000000
"ProgId"="IAS.Pipeline"
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Policy\Pipelines\
03\Stages]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Policy\Pipelines\
03\Stages\06]
"Description"="User Restrictions Stage"
"Events"=""
"Id"=dword:00000006
"Merit"=dword:00000001
"Name"="User Restrictions"
"ParentId"=dword:00000003
"ProgId"="IAS.Stage"
"Type"=dword:00000002

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Policy\Pipelines\
03\Stages\06\RequestHandlers]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Policy\Pipelines\
03\Stages\06\RequestHandlers\04]
"Description"="Microsoft Authorization Extension Host"
"Events"="1 4"
"Id"=dword:00000004
"Merit"=dword:00000002
"Name"="Authorization Host"
"ParentId"=dword:00000009
"ProgId"="IAS.AuthorizationHost"
"Type"=dword:00000003

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Policy\Pipelines\
03\Stages\06\RequestHandlers\11]

```

```

"Description"="Microsoft User Restrictions Handler DLL"
"Events"="1"
"Id"=dword:0000000b
"Merit"=dword:00000001
"Name"="IAS User Restrictions Handler"
"ParentId"=dword:00000009
"ProgId"="IAS.URHandler"
"Type"=dword:00000003

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Policy\Pipelines\
03\Stages\07]
"Description"="Logging Stage"
"Events"=""
"Id"=dword:00000007
"Merit"=dword:00000002
"Name"="Logging"
"ParentId"=dword:00000003
"ProgId"="IAS.Stage"
"Type"=dword:00000002

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Policy\Pipelines\
03\Stages\07\RequestHandlers]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Policy\Pipelines\
03\Stages\07\RequestHandlers\02]
"Description"="Microsoft MS-CHAP Error Reporter"
"Events"="1"
"Id"=dword:00000002
"Merit"=dword:00000001
"Name"="MS-CHAP Error Reporter"
"ParentId"=dword:00000008
"ProgId"="IAS.MSChapErrorReporter"
"Type"=dword:00000003

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Policy\Pipelines\
03\Stages\07\RequestHandlers\09]
"Description"="Microsoft Logging Provider"
"Events"="1 4"
"Id"=dword:00000009
"Merit"=dword:00000002
"Name"="MS Logging"
"ParentId"=dword:00000008
"ProgId"="IAS.Accounting"
"Type"=dword:00000003

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\RouterManagers]
"Stamp"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\RouterManagers\Ip
]
"ProtocolId"=dword:00000021
"GlobalInfo"=hex:01,00,00,00,80,00,00,02,00,00,03,00,ff,ff,08,00,00,00,\
01,00,00,00,30,00,00,06,00,ff,ff,3c,00,00,01,00,00,00,38,00,00,00,\
00,00,00,00,00,01,00,00,07,00,00,02,00,00,01,00,00,03,00,\
00,00,0a,00,00,16,27,00,03,00,00,17,27,00,05,00,00,12,27,00,\
00,07,00,00,0d,00,00,6e,00,00,08,00,00,78,00,00,00,00,00,\
00,00,00,00,00,00
"DLLPath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,\
32,5c,69,70,72,74,72,6d,67,72,2e,64,6c,6c,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Security]
"Security"=hex:01,00,14,80,a0,00,00,ac,00,00,14,00,00,30,00,00,02,\
00,1c,00,01,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\

```

```
00,00,02,00,70,00,04,00,00,00,00,18,00,fd,01,02,00,01,01,00,00,00,00,\
05,12,00,00,00,a1,39,bd,f0,00,00,1c,00,ff,01,0f,00,01,02,00,00,00,00,05,\
20,00,00,00,20,02,00,00,75,cf,ce,31,00,00,18,00,8d,01,02,00,01,01,00,00,00,\
00,00,05,0b,00,00,00,20,02,00,00,00,00,1c,00,fd,01,02,00,01,02,00,00,00,\
00,05,20,00,00,00,23,02,00,00,75,cf,ce,31,01,01,00,00,00,00,05,12,00,00,\
00,01,01,00,00,00,00,05,12,00,00,00
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteRegistry]
"Description"="Allows remote registry manipulation."
"DisplayName"="Remote Registry Service"
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,73,79,73,74,65,6d,33,\
32,5c,72,65,67,73,76,63,2e,65,78,65,00
"ObjectName"="LocalSystem"
"Start"=dword:00000002
"Type"=dword:00000010
"FailureActions"=hex:00,00,00,00,00,00,00,00,00,00,00,00,00,00,01,00,00,00,e0,ad,08,\
00,01,00,00,00,e8,03,00,00
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteRegistry\Security]
"Security"=hex:01,00,14,80,a8,00,00,00,b4,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,00,01,00,00,\
00,00,02,00,78,00,05,00,00,00,00,14,00,8d,01,02,00,01,01,00,00,00,00,00,\
05,0b,00,00,00,00,00,18,00,9d,01,02,00,01,02,00,00,00,00,05,20,00,00,00,\
23,02,00,00,00,18,00,ff,01,0f,00,01,02,00,00,00,00,05,20,00,00,00,20,\
02,00,00,00,00,18,00,ff,01,0f,00,01,02,00,00,00,00,05,20,00,00,00,25,02,\
00,00,00,00,14,00,fd,01,02,00,01,01,00,00,00,00,05,12,00,00,00,01,01,00,\
00,00,00,00,05,12,00,00,00,01,01,00,00,00,00,05,12,00,00,00
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteRegistry\Enum]
"0"="Root\LEGACY_REMOTE_REGISTRY\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RMSYS]
"Type"=dword:00000110
"Start"=dword:00000002
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):43,3a,5c,42,65,6e,63,68,43,72,61,66,74,5c,72,73,79,73,2e,65,\
78,65,00
"DisplayName"="Remote Command Service"
"ObjectName"="LocalSystem"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RMSYS\Security]
"Security"=hex:01,00,14,80,a0,00,00,00,ac,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,00,01,00,00,\
00,00,02,00,70,00,04,00,00,00,00,18,00,fd,01,02,00,01,01,00,00,00,00,00,\
05,12,00,00,00,74,00,69,00,00,00,1c,00,ff,01,0f,00,01,02,00,00,00,00,00,05,\
20,00,00,00,20,02,00,00,76,00,65,00,00,00,18,00,8d,01,02,00,01,01,00,00,00,\
00,00,05,0b,00,00,00,20,02,00,00,00,00,1c,00,fd,01,02,00,01,02,00,00,00,\
00,05,20,00,00,00,23,02,00,00,76,00,65,00,01,01,00,00,00,00,05,12,00,00,\
00,01,01,00,00,00,00,00,05,12,00,00,00
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RMSYS\Enum]
"0"="Root\LEGACY_RMSYS\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RpcLocator]
"Type"=dword:00000010
"Start"=dword:00000003
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,\
```

```
32,5c,6c,6f,63,61,74,6f,72,2e,65,78,65,00
"DisplayName"="Remote Procedure Call (RPC) Locator"
"DependOnService"=hex(7):4c,61,6e,6d,61,6e,57,6f,72,6b,73,74,61,74,69,6f,6e,00,\
00
"DependOnGroup"=hex(7):00
"ObjectName"="LocalSystem"
"Description"="Manages the RPC name service database."
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RpcLocator\Parameters]
"ExpirationAge"=dword:00000e10
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RpcLocator\Security]
"Security"=hex:01,00,14,80,a0,00,00,00,ac,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,00,01,00,00,\
00,00,02,00,70,00,04,00,00,00,00,18,00,fd,01,02,00,01,01,00,00,00,00,00,\
05,12,00,00,00,20,02,00,00,00,00,1c,00,ff,01,0f,00,01,02,00,00,00,00,05,\
20,00,00,00,20,02,00,00,03,00,00,00,00,18,00,8d,01,02,00,01,01,00,00,00,\
00,00,05,0b,00,00,00,20,02,00,00,00,00,1c,00,fd,01,02,00,01,02,00,00,00,\
00,05,20,00,00,00,23,02,00,00,03,00,00,00,01,01,00,00,00,00,05,12,00,00,\
00,01,01,00,00,00,00,05,12,00,00,00
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RpcSs]
"Description"="Provides the endpoint mapper and other miscellaneous RPC services."
"DisplayName"="Remote Procedure Call (RPC)"
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,73,79,73,74,65,6d,33,\
32,5c,73,76,63,68,6f,73,74,20,2d,6b,20,72,70,63,73,73,00
"ObjectName"="LocalSystem"
"Start"=dword:00000002
"Type"=dword:00000020
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RpcSs\Parameters]
"ServiceDll"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,73,79,73,74,65,6d,\
33,32,5c,72,70,63,73,73,2e,64,6c,6c,00
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RpcSs\Security]
"Security"=hex:01,00,14,80,a8,00,00,00,b4,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,00,01,00,00,\
00,00,02,00,78,00,05,00,00,00,03,14,00,8d,00,02,00,01,01,00,00,00,00,00,\
01,00,00,00,00,00,03,18,00,ff,01,0f,00,01,02,00,00,00,00,05,20,00,00,00,\
20,02,00,00,00,03,18,00,8d,00,02,00,01,02,00,00,00,00,00,05,20,00,00,00,23,\
02,00,00,00,03,14,00,9d,00,00,00,01,01,00,00,00,00,05,04,00,00,00,00,03,\
18,00,9d,00,00,00,01,02,00,00,00,00,00,05,20,00,00,00,21,02,00,00,01,01,00,\
00,00,00,00,05,12,00,00,00,01,01,00,00,00,00,05,12,00,00,00
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RpcSs\Enum]
"0"="Root\LEGACY_RPCSS\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RSVP]
"Type"=dword:00000110
"Start"=dword:00000003
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,\
32,5c,72,73,76,70,2e,65,78,65,20,2d,73,00
"DisplayName"="QoS RSVP"
"DependOnService"=hex(7):54,63,70,49,70,00,41,66,64,00,00
"DependOnGroup"=hex(7):00
"ObjectName"="LocalSystem"
"Description"="Provides network signaling and local traffic control setup
functionality for QoS-aware programs and control applets."
```

```

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RSVP\Parameters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RSVP\Performance]
"Open"="OpenRsvpPerformanceData"
"Close"="CloseRsvpPerformanceData"
"Collect"="CollectRsvpPerformanceData"
"Library"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,\
32,5c,72,73,76,70,70,65,72,66,2e,64,6c,6c,00
"Last Counter"=dword:000007bc
"Last Help"=dword:000007bd
"First Counter"=dword:00000738
"First Help"=dword:00000739
"WbemAdapFileType"=hex:00,60,4e,96,aa,40,bf,01
"WbemAdapFileSize"=dword:00002b10
"WbemAdapStatus"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RSVP\Security]
"Security"=hex:01,00,14,80,7c,00,00,00,88,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,4c,00,03,00,00,00,00,14,00,9d,01,02,00,01,01,00,00,00,00,00,\
05,0b,00,00,00,00,18,00,fd,01,02,00,01,02,00,00,00,00,05,20,00,00,00,\
23,02,00,00,00,00,18,00,ff,01,0f,00,01,02,00,00,00,00,05,20,00,00,00,\
02,00,00,01,01,00,00,00,00,05,12,00,00,00,01,01,00,00,00,00,05,12,00,\
00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\SamsS]
"Description"="Stores security information for local user accounts."
"DisplayName"="Security Accounts Manager"
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,73,79,73,74,65,6d,33,\
32,5c,6c,73,61,73,73,2e,65,78,65,00
"ObjectName"="LocalSystem"
"Start"=dword:00000002
"Type"=dword:00000020

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\SamsS\Security]
"Security"=hex:01,00,14,80,a8,00,00,00,b4,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,00,01,00,00,\
00,00,02,00,78,00,05,00,00,00,03,14,00,8d,00,02,00,01,01,00,00,00,00,00,\
01,00,00,00,00,03,18,00,ff,01,0f,00,01,02,00,00,00,00,05,20,00,00,00,\
20,02,00,00,00,03,18,00,8d,00,02,00,01,02,00,00,00,00,00,05,20,00,00,23,\
02,00,00,00,03,14,00,9d,00,00,00,01,01,00,00,00,00,05,04,00,00,00,03,\
18,00,9d,00,00,00,01,02,00,00,00,00,05,20,00,00,00,21,02,00,00,01,01,00,\
00,00,00,05,12,00,00,00,01,01,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\SamsS\Enum]
"0"="Root\LEGACY_SAMSS\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Sanman]
"Type"=dword:00000001
"Start"=dword:00000000
"ErrorControl"=dword:00000001
"Tag"=dword:00000010
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,44,52,49,56,45,52,53,5c,53,61,6e,\
6d,61,6e,2e,73,79,73,00
"DisplayName"="Compaq ServerNet-II Sanman Service"
"Group"="Base"
"DependOnService"=hex(7):53,50,41,44,32,00,00
"DependOnGroup"=hex(7):00
"TextModeFlags"=dword:00000001

```

```

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Sanman\Parameters]
"DebugLevel"=dword:00000fff
"LocalID"=dword:00000000
"RemoteNodeName"="CIMARRON"
"RemoteNodeType"=dword:00000000
"Switchless"=dword:00000001
"XFabricEnabled"=dword:00000001
"YFabricEnabled"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Sanman\Security]
"Security"=hex:01,00,14,80,a0,00,00,00,ac,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,70,00,04,00,00,00,00,00,18,00,fd,01,02,00,01,01,00,00,00,00,\
05,12,00,00,00,76,00,69,00,00,00,1c,00,ff,01,0f,00,01,02,00,00,00,00,05,\
20,00,00,00,20,02,00,00,63,00,65,00,00,00,18,00,8d,01,02,00,01,01,00,00,\
00,00,05,0b,00,00,00,20,02,00,00,00,00,1c,00,fd,01,02,00,01,02,00,00,00,\
00,05,20,00,00,00,23,02,00,00,63,00,65,00,01,01,00,00,00,00,05,12,00,00,\
00,01,01,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Sanman\Enum]
"0"="Root\LEGACY_SANMAN\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\SCardDrv]
"Type"=dword:00000020
"Start"=dword:00000003
"ErrorControl"=dword:00000000
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,\
32,5c,53,43,61,72,64,53,76,72,2e,65,78,65,00
"Description"="Provides support for legacy smart card readers attached to the
computer."
"DisplayName"="Smart Card Helper"
"DependOnGroup"=hex(7):53,6d,61,72,74,20,43,61,72,64,20,52,65,61,64,65,72,00,\
00
"ObjectName"="LocalSystem"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\SCardDrv\Enum]
"0"="Root\LEGACY_SCARDDRV\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\SCardSvr]
"Type"=dword:00000020
"Start"=dword:00000003
"ErrorControl"=dword:00000000
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,\
32,5c,53,43,61,72,64,53,76,72,2e,65,78,65,00
"Description"="Manages and controls access to a smart card inserted into a smart
card reader attached to the computer."
"DisplayName"="Smart Card"
"DependOnService"=hex(7):50,6c,75,67,50,6c,61,79,00,00
"ObjectName"="LocalSystem"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\SCardSvr\Security]
"Security"=hex:01,00,14,80,80,00,00,00,8c,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,00,01,00,00,\
00,00,02,00,50,00,03,00,00,00,00,14,00,ff,01,0f,00,01,01,00,00,00,00,00,\
03,00,00,00,00,00,18,00,ff,01,0f,00,01,02,00,00,00,00,00,05,20,00,00,\
20,02,00,00,00,14,00,9d,00,02,00,01,01,00,00,00,00,00,01,00,00,00,00,73,\
00,44,49,52,45,43,54,01,01,00,00,00,00,00,05,12,00,00,00,01,01,00,00,00,\
00,05,12,00,00,00

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\SCardSvr\Enum]
"0"="Root\LEGACY_SCARDSVR\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Schedule]
"Description"="Enables a program to run at a designated time."
"Type"=dword:00000120
"Start"=dword:00000002
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,73,79,73,74,65,6d,33,\
32,5c,4d,53,54,61,73,6b,2e,65,78,65,00
"DisplayName"="Task Scheduler"
"DependOnService"=hex(7):52,70,63,53,73,00,00
"DependOnGroup"=hex(7):00
"ObjectName"="LocalSystem"
"NextAtJobId"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Schedule\Security]
"Security"=hex:01,00,14,80,a8,00,00,00,b4,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,78,00,05,00,00,00,00,00,14,00,8d,01,02,00,01,01,00,00,00,00,\
05,0b,00,00,00,00,00,18,00,9d,01,02,00,01,02,00,00,00,00,05,20,00,00,00,\
23,02,00,00,00,00,18,00,ff,01,0f,00,01,02,00,00,00,00,05,20,00,00,00,20,\
02,00,00,00,00,18,00,ff,01,0f,00,01,02,00,00,00,00,05,20,00,00,00,25,02,\
00,00,00,00,14,00,fd,01,02,00,01,01,00,00,00,00,05,12,00,00,00,01,01,00,\
00,00,00,00,05,12,00,00,00,01,01,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Schedule\Enum]
"0"="Root\LEGACY_SCHEDULE\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\SchedulingAgent]
"Start"=dword:00000002

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\seclogon]
"Type"=dword:00000120
"Start"=dword:00000002
"ErrorControl"=dword:00000000
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,73,79,73,74,65,6d,33,\
32,5c,73,65,72,76,69,63,65,73,2e,65,78,65,00
"DisplayName"="RunAs Service"
"ObjectName"="LocalSystem"
"Description"="Enables starting processes under alternate credentials"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\seclogon\Security]
"Security"=hex:01,00,14,80,a8,00,00,00,b4,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,78,00,05,00,00,00,00,14,00,8d,01,02,00,01,01,00,00,00,00,\
05,0b,00,00,00,00,00,18,00,9d,01,02,00,01,02,00,00,00,00,05,20,00,00,00,\
23,02,00,00,00,00,18,00,ff,01,0f,00,01,02,00,00,00,00,05,20,00,00,00,20,\
02,00,00,00,00,18,00,ff,01,0f,00,01,02,00,00,00,00,05,20,00,00,00,25,02,\
00,00,00,00,14,00,fd,01,02,00,01,01,00,00,00,00,05,12,00,00,00,01,01,00,\
00,00,00,00,05,12,00,00,00,01,01,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\seclogon\Enum]
"0"="Root\LEGACY_SECLOGON\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\SENS]
"DependOnService"=hex(7):45,76,65,6e,74,53,79,73,74,65,6d,00,00

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"Description"="Tracks system events such as Windows logon, network, and power
events. Notifies COM+ Event System subscribers of these events."
"DisplayName"="System Event Notification"
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,73,79,73,74,65,6d,33,\
32,5c,73,76,63,68,6f,73,74,2e,65,78,65,20,2d,6b,20,6e,65,74,73,76,63,73,00
"ObjectName"="LocalSystem"
"Group"="Network"
"Start"=dword:00000002
"Type"=dword:00000020

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\SENS\Parameters]
"ServiceDll"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,73,79,73,74,65,6d,\
33,32,5c,73,65,6e,73,2e,64,6c,6c,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\SENS\Security]
"Security"=hex:01,00,14,80,a8,00,00,00,b4,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,78,00,05,00,00,00,00,14,00,8d,01,02,00,01,01,00,00,00,00,\
05,0b,00,00,00,00,00,18,00,9d,01,02,00,01,02,00,00,00,00,05,20,00,00,00,\
23,02,00,00,00,00,18,00,ff,01,0f,00,01,02,00,00,00,00,05,20,00,00,00,20,\
02,00,00,00,00,18,00,ff,01,0f,00,01,02,00,00,00,00,05,20,00,00,00,25,02,\
00,00,00,00,14,00,fd,01,02,00,01,01,00,00,00,00,05,12,00,00,00,01,01,00,\
00,00,00,00,05,12,00,00,00,01,01,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\SENS\Enum]
"0"="Root\LEGACY_SENS\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\serenum]
"Type"=dword:00000001
"Start"=dword:00000003
"ErrorControl"=dword:00000001
"DisplayName"="Serenum Filter Driver"
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,44,52,49,56,45,52,53,5c,73,65,72,\
65,6e,75,6d,2e,73,79,73,00
"Group"="PNP Filter"
"Tag"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\serenum\Enum]
"0"="ACPI\PNP0501\0"
"Count"=dword:00000002
"NextInstance"=dword:00000002
"1"="ACPI\PNP0501\1"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Serial]
"ErrorControl"=dword:00000000
"Group"="Extended base"
"Start"=dword:00000001
"Tag"=dword:00000001
"Type"=dword:00000001
"ForceFifoEnable"=dword:00000001
"RxPFIPO"=dword:00000008
"TxPFIPO"=dword:0000000e
"PermitShare"=dword:00000000
"LogFifo"=dword:00000000
"DisplayName"="Serial port driver"
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,44,52,49,56,45,52,53,5c,73,65,72,\
69,61,6c,2e,73,79,73,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Serial\Parameters]

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Serial\Enum]
"0"="ACPI\PNP0501\0"
"Count"=dword:00000002
"NextInstance"=dword:00000002
"1"="ACPI\PNP0501\1"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Sfloppy]
"DependOnGroup"=hex(7):53,43,53,49,20,6d,69,6e,69,70,6f,72,74,00,00
"ErrorControl"=dword:00000000
"Group"="Primary disk"
"Start"=dword:00000001
"Tag"=dword:00000004
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Sfloppy\Enum]
"Count"=dword:00000000
"NextInstance"=dword:00000000
"INITSTARTFAILED"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\sglfb]
"ErrorControl"=dword:00000001
"Group"="Video"
"Start"=dword:00000001
"Type"=dword:00000001
"BootDriver"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\sglfb\Device0]
"InstalledDisplayDrivers"=hex(7):73,67,6c,66,62,00,00
"VgaCompatible"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\SharedAccess]
"Type"=dword:00000120
"Start"=dword:00000003
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,\
32,5c,73,76,63,68,6f,73,74,2e,65,78,65,20,2d,6b,20,6e,65,74,73,76,63,73,00
"DisplayName"="Internet Connection Sharing"
"DependOnService"=hex(7):52,61,73,4d,61,6e,00,00
"DependOnGroup"=hex(7):00
"ObjectName"="LocalSystem"
"Description"="Provides network address translation, addressing, and name resolution
services for all computers on your home network through a dial-up connection."

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\SharedAccess\Parameters]
"ServiceDll"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,\
33,32,5c,69,70,6e,61,74,68,6c,70,2e,64,6c,6c,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\SharedAccess\Security]
"Security"=hex:01,00,14,80,a0,00,00,00,ac,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,70,00,04,00,00,00,00,00,18,00,fd,01,02,00,01,01,00,00,00,00,\
05,12,00,00,00,20,02,00,00,00,00,00,1c,00,ff,01,0f,00,01,02,00,00,00,05,\
20,00,00,00,20,02,00,00,03,00,00,00,00,00,18,00,8d,01,02,00,01,01,00,00,\
00,00,05,0b,00,00,00,20,02,00,00,00,00,1c,00,fd,01,02,00,01,02,00,00,00,\
00,05,20,00,00,00,23,02,00,00,00,00,00,01,01,00,00,00,00,05,12,00,00,\
00,01,01,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Simbad]
"ErrorControl"=dword:00000001
"Group"="Filter"
"Start"=dword:00000004
"Tag"=dword:00000001
"Type"=dword:00000001

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\SnetNic]
"Type"=dword:00000001
"Start"=dword:00000000
"ErrorControl"=dword:00000001
"Tag"=dword:00000005
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,44,52,49,56,45,52,53,5c,76,69,76,\
61,2e,73,79,73,00
"DisplayName"="Compaq ServerNet-II VIVA Driver"
"Group"="ExtendedBase"
"DependOnService"=hex(7):73,70,61,64,32,00,00
"DependOnGroup"=hex(7):00
"TextModeFlags"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\SnetNic\Parameters]
"BreakOnEntry"=dword:00000000
"Route"=hex(7):53,6e,65,74,4e,69,63,30,00,53,6e,65,74,4e,69,63,31,00,00
"DebugLevel"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\SnetNic\Security]
"Security"=hex:01,00,14,80,a0,00,00,00,ac,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,70,00,04,00,00,00,00,00,18,00,fd,01,02,00,01,01,00,00,00,00,\
05,12,00,00,00,02,00,00,00,00,00,1c,00,ff,01,0f,00,01,02,00,00,00,00,05,\
20,00,00,00,20,02,00,00,03,00,00,00,00,00,18,00,8d,01,02,00,01,01,00,00,\
00,00,05,0b,00,00,00,20,02,00,00,00,00,1c,00,fd,01,02,00,01,02,00,00,00,\
00,05,20,00,00,00,23,02,00,00,03,00,00,00,01,01,00,00,00,00,05,12,00,00,\
00,01,01,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\SnetNic\Enum]
"0"="Root\LEGACY_SNETNIC\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\SnetNic0]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\SnetNic0\Parameters]
"maxCQ"=dword:00000ffc
"maxCQEntries"=dword:00001000
"maxRegisterRegions"=dword:00001000
"maxVi"=dword:00000ffb
"maxSegmentsPerDesc"=dword:00000006
"maxDescriptorsPerQueue"=dword:00000020
"cntEnable"=dword:00000000
"Guid"=hex:00,00,00,00,00,00,80,01,0f,00,00,00,00,00,00,00
"maxIntrCQEntries"=dword:00001000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\SnetNic1]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\SnetNic1\Parameters]
"maxCQ"=dword:00000ffc
"maxCQEntries"=dword:000003ff
"maxRegisterRegions"=dword:00001000
"maxVi"=dword:00000ffb
"maxSegmentsPerDesc"=dword:00000006
"maxDescriptorsPerQueue"=dword:00000020
"cntEnable"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Sndis]
"Type"=dword:00000001
"Start"=dword:00000003
"ErrorControl"=dword:00000001
"Tag"=dword:0000000c

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00,00,00,00,05,12,00,00,00,01,01,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Spooler\Enum]
"0"="Root\LEGACY_SPOOLER\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\SQLSERVERAGENT]
"Type"=dword:00000010
"Start"=dword:00000003
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):43,3a,5c,53,51,4c,38,5c,4d,53,53,51,4c,5c,62,69,6e,6e,5c,73,\
71,6c,61,67,65,6e,74,2e,65,78,65,00
"DisplayName"="SQLSERVERAGENT"
"DependOnService"=hex(7):4d,53,53,51,4c,53,45,52,56,45,52,00,00
"DependOnGroup"=hex(7):00
"ObjectName"="LocalSystem"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\SQLSERVERAGENT\Security]
"Security"=hex:01,00,14,80,a0,00,00,00,ac,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,00,01,00,00,\
00,00,02,00,70,00,04,00,00,00,00,00,00,18,00,fd,01,02,00,01,01,00,00,00,00,\
05,12,00,00,00,70,00,63,00,00,00,1c,00,ff,01,0f,00,01,02,00,00,00,00,00,05,\
20,00,00,00,20,02,00,00,00,00,00,00,00,18,00,8d,01,02,00,01,01,00,00,00,\
00,00,05,0b,00,00,00,20,02,00,00,00,00,1c,00,fd,01,02,00,01,02,00,00,00,\
00,05,20,00,00,00,23,02,00,00,00,00,00,01,01,00,00,00,00,05,12,00,00,\
00,01,01,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Srv]
"Type"=dword:00000002
"Start"=dword:00000003
"ErrorControl"=dword:00000001
"Tag"=dword:00000006
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,44,52,49,56,45,52,53,5c,73,72,76,\
2e,73,79,73,00
"DisplayName"="Srv"
"Group"="Network"
"Description"="Srv"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Srv\Security]
"Security"=hex:01,00,14,80,a0,00,00,00,ac,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,00,01,00,00,\
00,00,02,00,70,00,04,00,00,00,00,00,00,18,00,fd,01,02,00,01,01,00,00,00,00,\
05,12,00,00,00,20,02,00,00,00,00,1c,00,ff,01,0f,00,01,02,00,00,00,00,00,05,\
20,00,00,00,20,02,00,00,00,00,00,00,00,18,00,8d,01,02,00,01,01,00,00,00,\
00,00,05,0b,00,00,00,20,02,00,00,00,00,1c,00,fd,01,02,00,01,02,00,00,00,\
00,05,20,00,00,00,23,02,00,00,00,00,00,00,01,01,00,00,00,00,05,12,00,00,\
00,01,01,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Srv\Enum]
"0"="Root\LEGACY_SRV\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\swenum]
"ErrorControl"=dword:00000001
"Start"=dword:00000003
"Type"=dword:00000001
"DisplayName"="Software Bus Driver"
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,44,52,49,56,45,52,53,5c,73,77,65,\
6e,75,6d,2e,73,79,73,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\swenum\Devices]

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\swenum\Devices\{96e080c7-143c-11d1-b40f-00a0c9223196}]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\swenum\Devices\{96e080c7-143c-11d1-b40f-00a0c9223196}\{3C0D501A-140B-11D1-B40F-00A0C9223196}]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\swenum\Devices\{96e080c7-143c-11d1-b40f-00a0c9223196}\{3C0D501A-140B-11D1-B40F-00A0C9223196}]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\swenum\Devices\{97ebaacc-95bd-11d0-a3ea-00a0c9223196}]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\swenum\Devices\{97ebaacc-95bd-11d0-a3ea-00a0c9223196}\{53172480-4791-11D0-A5D6-28DB04C10000}]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\swenum\Devices\{97ebaacc-95bd-11d0-a3ea-00a0c9223196}\{53172480-4791-11D0-A5D6-28DB04C10000}\{53172480-4791-11d0-a5d6-28db04c10000}]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\swenum\Devices\{c68127b1-9bea-11d0-8fa5-00c04fc324c1}]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\swenum\Devices\{c68127b1-9bea-11d0-8fa5-00c04fc324c1}\{085AFF00-62CE-11CF-A5D6-28DB04C10000}]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\swenum\Devices\{c68127b1-9bea-11d0-8fa5-00c04fc324c1}\{085AFF00-62CE-11CF-A5D6-28DB04C10000}\{085aff00-62ce-11cf-a5d6-28db04c10000}]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\swenum\Devices\{c68127b1-9bea-11d0-8fa5-00c04fc324c1}\{65E8773D-8F56-11D0-A3B9-00A0C9223196}]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\swenum\Devices\{c68127b1-9bea-11d0-8fa5-00c04fc324c1}\{65E8773D-8F56-11D0-A3B9-00A0C9223196}\{65e8773d-8f56-11d0-a3b9-00a0c9223196}]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\swenum\Devices\{c68127b1-9bea-11d0-8fa5-00c04fc324c1}\{65E8773E-8F56-11D0-A3B9-00A0C9223196}]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\swenum\Devices\{c68127b1-9bea-11d0-8fa5-00c04fc324c1}\{65E8773E-8F56-11D0-A3B9-00A0C9223196}\{65e8773e-8f56-11d0-a3b9-00a0c9223196}]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\swenum\Devices\{ddf4358e-bb2c-11d0-a42f-00a0c9223196}]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\swenum\Devices\{ddf4358e-bb2c-11d0-a42f-00a0c9223196}\{97EBAACB-95BD-11D0-A3EA-00A0C9223196}]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\swenum\Devices\{ddf4358e-bb2c-11d0-a42f-00a0c9223196}\{97EBAACB-95BD-11D0-A3EA-00A0C9223196}\{97ebaacb-95bd-11d0-a3ea-00a0c9223196}]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\swenum\Devices\{eeab7790-c514-11d1-b42b-00805fc1270e}]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\swenum\Devices\{eeab7790-c514-11d1-b42b-00805fc1270e}\asynmac]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\swenum\Devices\{eeab7790-c514-11d1-b42b-00805fc1270e}\asynmac\{ad498944-762f-11d0-8dcb-00c04fc3358c}]

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\swenum\Enum]
"0"="Root\SYSTEM\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\symc810]
"ErrorControl"=dword:00000001
"Group"="SCSI miniport"
"Start"=dword:00000004
"Tag"=dword:0000001a
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\symc810\Parameters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\symc810\Parameters\PnpInterface]
"5"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\symc8xx]
"ErrorControl"=dword:00000001
"Group"="SCSI miniport"
"Start"=dword:00000004
"Type"=dword:00000001
"Tag"=dword:00000036

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\symc8xx\Parameters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\symc8xx\Parameters\PnpInterface]
"5"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\sym_hi]
"ErrorControl"=dword:00000001
"Group"="SCSI miniport"
"Start"=dword:00000004
"Type"=dword:00000001
"Tag"=dword:00000037

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\sym_hi\Parameters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\sym_hi\Parameters\PnpInterface]
"5"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\sysdown]
"Type"=dword:00000010
"Start"=dword:00000002
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,\
32,5c,44,52,49,56,45,52,53,5c,73,79,73,64,6f,77,6e,2e,65,78,65,00
"DisplayName"="Compaq System Shutdown Service"
"DependOnService"=hex(7):53,59,53,4d,47,4d,54,00,00
"DependOnGroup"=hex(7):00
"ObjectName"="LocalSystem"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\sysdown\Security]
"Security"=hex:01,00,14,80,a0,00,00,00,ac,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,70,00,04,00,00,00,00,00,18,00,fd,01,02,00,01,01,00,00,00,00,\
05,12,00,00,00,61,67,65,72,00,00,1c,00,ff,01,0f,00,01,02,00,00,00,00,05,\
20,00,00,00,20,02,00,00,00,00,00,00,00,18,00,8d,01,02,00,01,01,00,00,00,\
00,00,05,0b,00,00,00,20,02,00,00,00,00,1c,00,fd,01,02,00,01,02,00,00,00,\

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00,05,20,00,00,00,23,02,00,00,00,00,00,00,01,01,00,00,00,00,05,12,00,00,\
00,01,01,00,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\sysdown\Enum]
"0"="Root\LEGACY_SYSDOWN\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\sysmgmt]
"Type"=dword:00000001
"Start"=dword:00000001
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,44,52,49,56,45,52,53,5c,73,79,73,\
6d,67,6d,74,2e,73,79,73,00
"DisplayName"="Compaq System Management Driver"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\sysmgmt\Data]
"FeatureASR"=dword:00000002
"FeatureFan"=dword:00000001
"FeatureTemp"=dword:00000002
"FeatureECC"=dword:00000002
"FeatureDCDC"=dword:00000002
"FeatureHobbs"=dword:00000002
"FeatureAbend"=dword:00000002
"FeatureLogsCorr"=dword:00000002
"FeatureLogsCrit"=dword:00000002
"FeatureNMI"=dword:00000002
"FeatureCPU"=dword:00000002
"FeatureLogJA"=dword:00000002
"FeatureIRC"=dword:00000002
"SHFData"=hex:24,53,48,46,00,01,a5,09,02,0d,00,34,00,01,24,00,02,01,12,01,15,\
01,50,34,32,20,50,72,6f,64,75,63,74,69,6f,6e,00,01,01,07,01,05,c0,12,1e,d4,\
3c,05,01,02,01,7c,02,6e,09,40,01,43,12,01,05,07,00,83,00,00,c1,41,00,20,00,\
10,00,00,00,01,00,01,20,02,12,3b,00,00,00,03,20,02,10,3b,00,00,00,06,22,01,\
30,00,02,20,01,05,00,05,20,01,05,00,07,20,05,3c,00,40,04,20,04,03,01,f8,07,\
00,08,20,06,00,40,01,3d,12,02,05,07,00,83,00,00,c1,41,00,20,00,10,00,00,00,\
01,00,01,20,02,13,3b,00,00,00,03,20,02,11,3b,00,00,00,06,22,01,32,00,02,20,\
01,05,00,05,20,01,05,00,04,20,04,03,01,f8,07,00,08,20,06,00,43,01,17,10,01,\
02,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,01,26,01,21,02,01,01,20,01,17,\
13,01,04,00,00,00,00,00,c1,45,00,01,00,08,00,00,00,07,00,90,06,25,01,10,20,\
01,17,13,02,04,00,00,00,00,00,c1,45,00,01,00,08,00,00,00,06,00,90,06,25,01,\
11,b0,01,3b,12,01,04,00,00,81,00,00,c1,00,00,00,00,00,00,00,00,00,01,20,\
02,1d,1b,00,00,00,06,22,01,1c,00,05,20,01,01,00,02,20,01,01,00,07,20,05,3c,\
00,40,04,20,04,03,01,f8,00,00,08,20,06,00,30,01,32,15,01,04,03,00,00,00,00,\
c1,00,00,04,00,04,00,06,3c,04,00,2e,03,00,06,22,01,90,00,02,20,01,40,00,05,\
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00,00,00,00,c1,00,00,04,00,04,00,06,3c,04,00,31,04,00,06,22,01,92,00,02,20,\
01,40,00,05,20,01,40,00,07,20,05,3c,00,00,04,20,04,03,01,f8,00,00,30,01,38,\
13,03,04,03,00,00,00,00,c1,00,00,02,00,02,00,06,3c,00,00,3e,01,20,02,15,3b,\
00,00,00,06,22,01,90,00,02,20,01,01,00,05,20,01,01,00,07,20,05,3c,00,40,04,\
20,04,03,01,f8,00,00,30,01,38,13,04,04,02,00,00,00,00,c1,00,00,02,00,02,00,\
06,3c,00,00,41,01,20,02,15,3b,00,00,00,06,22,01,92,00,02,20,01,01,00,05,20,\
01,01,00,07,20,05,3c,00,40,04,20,04,03,01,f8,00,00,30,01,38,13,05,04,05,00,\
00,00,00,c1,00,00,02,00,02,00,06,3c,00,00,37,01,20,02,15,3b,00,00,06,22,\
01,96,00,02,20,01,01,00,05,20,01,01,00,07,20,05,3c,00,40,04,20,04,03,01,f8,\
00,00,30,01,38,13,06,04,05,00,00,00,c1,00,00,02,00,02,00,06,3c,00,00,37,\
01,20,02,15,3b,00,00,06,22,01,98,00,02,20,01,01,00,05,20,01,01,00,07,20,\
05,3c,00,40,04,20,04,03,01,f8,00,00,30,01,38,13,07,04,04,00,00,00,00,c1,00,\
00,02,00,02,00,06,3c,00,00,3c,01,20,02,15,3b,00,00,00,06,22,01,92,00,02,20,\
01,01,00,05,20,01,01,00,07,20,05,3c,00,40,04,20,04,03,01,f8,05,00,30,01,25,\
13,08,03,08,00,7f,01,00,c1,00,00,04,00,04,00,00,3c,00,00,23,01,20,02,17,3b,\
00,00,00,05,20,01,01,00,02,20,01,01,00,30,01,25,13,09,03,03,00,7f,01,00,c1,\
00,00,04,00,04,00,00,3c,00,00,36,01,20,02,18,1b,00,00,00,05,20,01,01,00,02,\

```

20,01,01,00,30,01,25,13,0a,03,02,00,7f,01,00,c1,00,00,04,00,00,00,3c,00,\n00,3c,01,20,02,16,1b,00,00,00,05,20,01,01,00,02,20,01,01,00,30,01,1f,13,0b,\n03,02,00,00,00,00,c1,00,00,20,00,00,3c,00,00,44,01,24,01,08,02,24,01,\n08,05,24,01,08,42,01,34,15,01,03,23,00,7f,00,00,c1,45,00,20,00,08,00,3c,3c,\n00,00,00,01,01,01,20,03,05,08,09,40,00,00,03,20,03,01,08,09,10,00,00,02,20,\n01,10,00,05,20,02,0f,1b,00,00,00,00,42,01,34,15,01,03,23,00,00,00,00,c1,45,00,\n20,00,08,00,3c,3c,00,00,00,01,01,01,20,03,05,08,09,20,00,00,03,20,03,01,08,\n09,08,00,00,02,20,01,10,00,05,20,02,0f,1b,00,00,00,42,01,34,15,02,03,43,00,\n00,00,00,c1,85,00,20,00,08,00,3c,3c,00,00,00,02,01,01,20,03,05,07,09,40,00,\n00,03,20,03,01,07,09,10,00,00,02,20,01,10,00,05,20,02,0f,1b,00,00,00,42,01,\n34,15,02,03,43,00,00,00,c1,85,00,20,00,08,00,3c,3c,00,00,00,02,01,01,20,\n03,05,07,09,20,00,00,03,20,03,01,07,09,08,00,00,02,20,01,10,00,05,20,02,0f,\n1b,00,00,00,42,01,34,15,03,03,63,00,00,00,00,c1,c5,00,20,00,08,00,3c,3c,00,\n00,00,03,01,01,20,03,05,06,09,40,00,00,03,20,03,01,06,09,10,00,00,02,20,01,\n10,00,05,20,02,0f,1b,00,00,00,42,01,34,15,03,03,63,00,00,00,00,c1,c5,00,20,\n00,08,00,3c,3c,00,00,03,01,01,20,03,05,06,09,20,00,00,03,20,03,01,06,09,\n08,00,00,02,20,01,10,00,05,20,02,0f,1b,00,00,00,42,01,34,15,04,03,83,00,00,\n00,00,c1,05,01,20,00,08,00,3c,3c,00,00,00,04,01,01,20,03,05,05,09,40,00,00,\n03,20,03,01,05,09,10,00,00,02,20,01,10,00,05,20,02,0f,1b,00,00,00,42,01,34,\n15,04,03,83,00,00,00,c1,05,01,20,00,08,00,3c,3c,00,00,00,04,01,01,20,03,\n05,05,09,20,00,00,03,20,03,01,05,09,08,00,00,02,20,01,10,00,05,20,02,0f,1b,\n00,00,00,42,01,34,15,05,03,a3,00,00,00,00,c1,45,01,20,00,08,00,3c,3c,00,00,\n00,05,01,01,20,03,05,03,09,40,00,00,03,20,03,01,03,09,10,00,00,02,20,01,10,\n00,05,20,02,0f,1b,00,00,00,42,01,34,15,05,03,a3,00,00,00,00,c1,45,01,20,00,\n08,00,3c,3c,00,00,00,05,01,01,20,03,05,03,09,20,00,00,03,20,03,01,03,09,08,\n00,00,02,20,01,10,00,05,20,02,0f,1b,00,00,00,42,01,34,15,06,03,c3,00,00,\n00,c1,85,01,20,00,08,00,3c,3c,00,00,00,06,01,01,20,03,05,02,09,40,00,00,03,\n20,03,01,02,09,10,00,00,02,20,01,10,00,05,20,02,0f,1b,00,00,00,42,01,34,15,\n06,03,c3,00,00,00,c1,85,01,20,00,08,00,3c,3c,00,00,00,06,01,01,20,03,05,\n02,09,20,00,00,03,20,03,01,02,09,08,00,00,02,20,01,10,00,05,20,02,0f,1b,00,\n00,00,42,01,34,15,07,03,e3,00,00,00,00,c1,c5,01,20,00,08,00,3c,3c,00,00,00,\n07,01,01,20,03,05,01,09,40,00,00,03,20,03,01,01,09,10,00,00,02,20,01,10,00,\n05,20,02,0f,1b,00,00,00,42,01,34,15,07,03,e3,00,00,00,00,c1,c5,01,20,00,08,\n00,3c,3c,00,00,00,07,01,01,20,03,05,01,09,20,00,00,03,20,03,01,01,09,08,00,\n00,02,20,01,10,00,05,20,02,0f,1b,00,00,00,42,01,34,15,08,03,03,01,00,00,00,\nc1,05,02,20,00,08,00,3c,3c,00,00,00,08,01,01,20,03,05,00,09,40,00,03,20,\n03,01,00,09,10,00,00,02,20,01,10,00,05,20,02,0f,1b,00,00,00,42,01,34,15,08,\n03,03,01,00,00,00,c1,05,02,20,00,08,00,3c,3c,00,00,00,08,01,01,20,03,05,00,\n09,20,00,03,20,03,01,00,09,08,00,00,02,20,01,10,00,05,20,02,0f,1b,00,00,\n00,42,01,34,15,09,03,01,00,00,00,c1,45,02,20,00,08,00,3c,3c,00,00,00,09,\n01,01,20,03,05,04,09,40,00,00,03,20,03,01,04,09,10,00,00,02,20,01,10,00,05,\n20,02,0f,1b,00,00,00,42,01,34,15,09,03,01,00,00,00,c1,45,02,20,00,08,00,\n3c,3c,00,00,00,09,01,01,20,03,05,04,09,20,00,00,03,20,03,01,04,09,08,00,00,\n02,20,01,10,00,05,20,02,0f,1b,00,00,00,a0,01,28,16,01,01,04,00,00,00,00,c1,\n00,00,08,00,00,00,e4,3c,00,00,59,3c,10,11,01,20,02,20,00,00,00,00,02,20,01,\n01,00,05,20,01,01,00,90,01,20,01,02,00,00,00,00,80,00,00,40,00,40,00,\n00,00,07,20,05,0a,00,10,02,20,01,40,00,05,20,01,40,00,30,01,38,13,0c,05,23,\n00,00,00,00,c1,20,00,04,00,06,3c,01,00,42,01,20,02,0c,3b,00,00,00,06,\n22,01,9c,00,02,20,01,01,00,05,20,01,01,00,07,20,05,3c,00,00,04,20,04,03,01,\nf8,02,00,30,01,38,13,0d,05,43,00,00,00,00,c1,00,00,04,00,06,3c,01,00,\n42,01,20,02,0c,3b,00,00,00,06,22,01,34,00,02,20,01,01,00,05,20,01,01,00,07,\n20,05,3c,00,00,04,20,04,03,01,f8,02,00,30,01,38,13,0e,05,63,00,00,00,00,c1,\n00,00,04,00,04,06,3c,01,00,42,01,20,02,0c,3b,00,00,06,22,01,98,00,02,\n20,01,01,00,05,20,01,01,00,07,20,05,3c,00,00,04,03,01,f8,02,00,30,01,\n38,13,0f,05,83,00,00,00,c1,00,00,04,00,06,3c,01,00,42,01,20,02,0c,\n3b,00,00,00,06,22,01,30,00,02,20,01,01,00,05,20,01,01,00,07,20,05,3c,00,00,\n04,20,04,03,01,f8,02,00,30,01,38,13,10,05,a3,00,00,00,00,c1,00,00,04,00,04,\n00,06,3c,01,00,42,01,20,02,0c,3b,00,00,00,06,22,01,9c,00,02,20,01,01,00,05,\n20,01,01,00,07,20,05,3c,00,00,04,20,04,03,01,f8,01,00,30,01,38,13,11,05,c3,\n00,00,00,00,c1,00,00,04,00,06,3c,01,00,42,01,20,02,0c,3b,00,00,06,\n22,01,34,00,02,20,01,01,00,05,20,01,01,00,07,20,05,3c,00,00,04,20,04,03,01,\nf8,01,00,30,01,38,13,12,05,e3,00,00,00,c1,00,00,04,00,06,3c,01,00,\n42,01,20,02,0c,3b,00,00,00,06,22,01,98,00,02,20,01,01,00,05,20,01,01,00,07,\n

20,05,3c,00,00,04,20,04,03,01,f8,01,00,30,01,38,13,13,05,03,01,00,00,00,c1,\n00,00,04,00,04,00,06,3c,01,00,42,01,20,02,0c,3b,00,00,00,06,22,01,30,00,02,\n20,01,01,00,05,20,01,01,00,07,20,05,3c,00,00,04,20,04,03,01,f8,01,00,24,45,\n4e,44,53,48,46\n\"SHFSpecVer\"=dword:00000100\n\"SHFVer\"=dword:00000115\n\"SHFFamily\"=\"P42 Production\"\n\n[HKEY_LOCAL_MACHINE\\SYSTEM\\CurrentControlSet\\Services\\sysmgmt\\Parameters]\n\"DriverMode\"=dword:0000e11\n\n[HKEY_LOCAL_MACHINE\\SYSTEM\\CurrentControlSet\\Services\\sysmgmt\\Security]\n\"Security\"=hex:01,00,14,80,a0,00,00,00,ac,00,00,00,14,00,00,00,30,00,00,00,02,\n00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,00,01,00,00,\n00,00,02,00,70,00,04,00,00,00,00,00,18,00,fd,01,02,00,01,01,00,00,00,00,\n05,12,00,00,00,74,00,69,00,00,00,1c,00,ff,01,0f,00,01,02,00,00,00,00,05,\n20,00,00,00,20,02,00,00,76,00,65,00,00,00,18,00,8d,01,02,00,01,01,00,00,00,\n00,00,05,0b,00,00,00,20,02,00,00,00,00,1c,00,fd,01,02,00,01,02,00,00,00,\n00,05,20,00,00,23,02,00,00,76,00,65,00,01,01,00,00,00,00,05,12,00,00,\n00,01,01,00,00,00,00,05,12,00,00,00\n\n[HKEY_LOCAL_MACHINE\\SYSTEM\\CurrentControlSet\\Services\\sysmgmt\\Enum]\n\"0\"=\"Root\\LEGACY_SYSMGMT\\0000\"\n\"Count\"=dword:00000001\n\"NextInstance\"=dword:00000001\n\n[HKEY_LOCAL_MACHINE\\SYSTEM\\CurrentControlSet\\Services\\SysmonLog]\n\"Description\"=\"Configures performance logs and alerts.\"\n\"DisplayName\"=\"Performance Logs and Alerts\"\n\"ErrorControl\"=dword:00000001\n\"ImagePath\"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,73,79,73,74,65,6d,33,\\\n32,5c,73,76,6d,6c,6f,67,73,76,63,2e,65,78,65,00\n\"ObjectName\"=\"LocalSystem\"\n\"Start\"=dword:00000003\n\"Type\"=dword:00000010\n\"DefaultLogFileFolder\"=hex(2):25,53,79,73,74,65,6d,44,72,69,76,65,25,5c,50,65,\\\n72,66,4c,6f,67,73,00\n\n[HKEY_LOCAL_MACHINE\\SYSTEM\\CurrentControlSet\\Services\\TapiSrv]\n\"DependOnService\"=hex(7):50,6c,75,67,50,6c,61,79,00,52,70,63,53,73,00,00\n\"Description\"=\"Provides Telephony API (TAPI) support for programs that control telephony devices and IP based voice connections on the local computer and, through the LAN, on servers that are also running the service.\"\n\"DisplayName\"=\"Telephony\"\n\"ErrorControl\"=dword:00000001\n\"ImagePath\"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,\\\n32,5c,73,76,63,68,6f,73,74,2e,65,78,65,20,2d,6b,20,74,61,70,69,73,72,76,00\n\"ObjectName\"=\"LocalSystem\"\n\"Start\"=dword:00000003\n\"Type\"=dword:00000120\n\n[HKEY_LOCAL_MACHINE\\SYSTEM\\CurrentControlSet\\Services\\TapiSrv\\Parameters]\n\"ServiceDll\"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,\\\n33,32,5c,74,61,70,69,73,72,76,2e,64,6c,6c,00\n\n[HKEY_LOCAL_MACHINE\\SYSTEM\\CurrentControlSet\\Services\\TapiSrv\\Performance]\n\"Close\"=\"CloseTapiPerformanceData\"\n\"Collect\"=\"CollectTapiPerformanceData\"\n\"Library\"=\"tapiperf.dll\"\n\"ObjectList\"=\"1150\"\n\"Open\"=\"OpenTapiPerformanceData\"\n\"WbemAdapFileTime\"=hex:00,60,4e,96,aa,40,bf,01\n\"WbemAdapFileSize\"=dword:00001910

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"WbemAdapStatus"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\TapiSrv\Security]
"Security"=hex:01,00,14,80,ac,00,00,00,b8,00,00,00,14,00,00,00,34,00,00,00,02,\
00,20,00,01,00,00,02,80,18,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,20,02,00,00,02,00,78,00,05,00,00,00,03,14,00,8d,00,02,00,01,01,00,\
00,00,00,00,01,00,00,00,00,03,18,00,ff,01,0f,00,01,02,00,00,00,00,05,\
20,00,00,00,20,02,00,00,00,03,18,00,8d,00,02,00,01,02,00,00,00,00,05,20,\
00,00,00,23,02,00,00,03,14,00,9d,00,00,00,01,01,00,00,00,00,05,04,00,\
00,00,00,03,18,00,9d,00,00,00,01,02,00,00,00,00,05,20,00,00,00,21,02,00,\
00,01,01,00,00,00,00,05,12,00,00,00,01,01,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\TapiSrv\Enum]
"0"="Root\LEGACY_TAPISRV\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Tardis]
"Type"=dword:00000010
"Start"=dword:00000002
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):43,3a,5c,57,49,4e,4e,54,5c,53,79,73,74,65,6d,33,32,5c,74,61,61,\
72,64,69,73,6e,74,2e,45,58,45,00
"DisplayName"="Tardis time service"
"DependOnService"=hex(7):54,63,70,69,70,00,00
"DependOnGroup"=hex(7):00
"ObjectName"="LocalSystem"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Tardis\Parameters]
"Migrated"=dword:00000001
"Often"=dword:00000001
"Frequency"=dword:000005a0
"Max"=dword:00000000
"Min"=dword:00000032
"Set"=dword:00000001
"AllowMax"=dword:00000000
"AdjustPoll"=dword:00000000
"LastContact"="Wed Feb 16 16:51:09 2000"
"LastDelta"="-0.564 seconds"
"TimeSource"="archive"
"Drift"="-4.507 seconds/day"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Tardis\Parameters\Server
Details]
"addr"=""
"protocol"=dword:00000000
"rejectntp"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Tardis\Parameters\Server
Details\archive]
"addr"="130.168.1.229"
"protocol"=dword:00000000
"rejectntp"=dword:00000000
"order"=dword:00000000
"info"="Wed Feb 16 16:51:09 2000"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Tardis\Parameters\Server
Details\magic]
"addr"="130.168.1.206"
"protocol"=dword:00000000
"rejectntp"=dword:00000000
"order"=dword:00000001

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Tardis\Security]
"Security"=hex:01,00,14,80,30,00,00,00,3c,00,00,00,14,00,00,00,00,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,01,01,00,00,00,00,05,12,00,00,00,01,01,00,00,00,00,05,12,00,00,\
00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Tardis\Enum]
"0"="Root\LEGACY_TARDIS\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Tcpip]
"Type"=dword:00000001
"Start"=dword:00000001
"ErrorControl"=dword:00000001
"Tag"=dword:00000004
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,44,52,49,56,45,52,53,5c,74,63,70,\
69,70,2e,73,79,73,00
"DisplayName"="TCP/IP Protocol Driver"
"Group"="PNP_TDI"
"Description"="TCP/IP Protocol Driver"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Tcpip\Linkage]
"Bind"=hex(7):5c,44,65,76,69,63,65,5c,7b,43,41,31,31,30,44,37,45,2d,41,39,45,\
36,2d,34,38,41,41,2d,39,42,30,31,2d,35,41,35,36,37,30,43,44,34,41,37,44,7d,\
00,5c,44,65,76,69,63,65,5c,7b,31,33,42,38,34,45,44,38,2d,30,46,33,34,2d,34,\
42,37,45,2d,39,34,42,30,2d,45,43,34,46,41,36,45,38,35,36,45,42,7d,00,5c,44,\
65,76,69,63,65,5c,7b,35,30,33,41,36,45,43,41,2d,43,34,38,39,2d,34,45,43,32,\
2d,41,39,36,44,2d,42,42,37,34,37,31,30,42,30,44,36,43,7d,00,5c,44,65,76,69,\
63,65,5c,7b,38,36,36,30,33,34,30,46,2d,46,44,33,37,2d,34,30,41,41,2d,42,38,\
38,37,2d,39,44,44,43,36,43,35,45,31,32,44,45,7d,00,5c,44,65,76,69,63,65,5c,\
7b,33,45,45,44,30,37,33,30,2d,44,37,38,32,2d,34,32,32,37,2d,41,41,30,45,2d,\
42,31,38,35,33,31,46,37,44,31,46,42,7d,00,5c,44,65,76,69,63,65,5c,4e,64,69,\
73,57,61,6e,49,70,00,00
"Route"=hex(7):22,7b,43,41,31,31,30,44,37,45,2d,41,39,45,36,2d,34,38,41,41,2d,\
39,42,30,31,2d,35,41,35,36,37,30,43,44,34,41,37,44,7d,22,00,22,7b,31,33,42,\
38,34,45,44,38,2d,30,46,33,34,2d,34,42,37,45,2d,39,34,42,30,2d,45,43,34,46,\
41,36,45,38,35,36,45,42,7d,22,00,22,7b,35,30,33,41,36,45,43,41,2d,43,34,38,\
39,2d,34,45,43,32,2d,41,39,36,44,2d,42,42,37,34,37,31,30,42,30,44,36,43,7d,\
22,00,22,7b,38,36,36,30,33,34,30,46,2d,46,44,33,37,2d,34,30,41,41,2d,42,38,\
38,37,2d,39,44,44,43,36,43,35,45,31,32,44,45,7d,22,00,22,7b,33,45,44,30,\
37,33,30,2d,44,37,38,32,2d,34,32,32,37,2d,41,41,30,45,2d,42,31,38,35,33,31,\
46,37,44,31,46,42,7d,22,00,22,4e,64,69,73,57,61,6e,49,70,22,00,00
"Export"=hex(7):5c,44,65,76,69,63,65,5c,54,63,70,69,70,5f,7b,43,41,31,31,30,44,\
37,45,2d,41,39,45,36,2d,34,38,41,41,2d,39,42,30,31,2d,35,41,35,36,37,30,43,\
44,34,41,37,44,7d,00,5c,44,65,76,69,63,65,5c,54,63,70,69,70,5f,7b,31,33,42,\
38,34,45,44,38,2d,30,46,33,34,2d,34,42,37,45,2d,39,34,42,30,2d,45,43,34,46,\
41,36,45,38,35,36,45,42,7d,00,5c,44,65,76,69,63,65,5c,54,63,70,69,70,5f,7b,\
35,30,33,41,36,45,43,41,2d,43,34,38,39,2d,34,45,43,32,2d,41,39,36,44,2d,42,\
42,37,34,37,31,30,42,30,44,36,43,7d,00,5c,44,65,76,69,63,65,5c,54,63,70,69,\
70,5f,7b,38,36,36,30,33,34,30,46,2d,46,44,33,37,2d,34,30,41,41,2d,42,38,38,\
37,2d,39,44,44,43,36,43,35,45,31,32,44,45,7d,00,5c,44,65,76,69,63,65,5c,54,\
63,70,69,70,5f,7b,33,45,45,44,30,37,33,30,2d,44,37,38,32,2d,34,32,32,37,2d,\
41,41,30,45,2d,42,31,38,35,33,31,46,37,44,31,46,42,7d,00,5c,44,65,76,69,63,\
65,5c,54,63,70,69,70,5f,7b,37,44,45,34,31,34,32,32,2d,42,30,30,43,2d,34,42,\
33,46,2d,42,35,42,32,2d,32,39,39,35,37,36,46,37,35,32,36,45,7d,00,5c,44,65,\
76,69,63,65,5c,54,63,70,69,70,5f,7b,41,32,32,37,44,33,36,33,2d,38,43,32,39,\
2d,34,32,32,35,2d,41,44,36,44,2d,36,45,32,34,38,36,41,30,46,38,46,36,7d,00,\
00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Tcpip\Parameters]
"NV Hostname"="jun"
"DataBasePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,\

```

```

33,32,5c,64,72,69,76,65,72,73,5c,65,74,63,00
"NameServer"=""
"ForwardBroadcasts"=dword:00000000
"IPEnableRouter"=dword:00000000
"Domain"=""
"Hostname"="jun"
"SearchList"=""
"UseDomainNameDevolution"=dword:00000001
"EnableICMPRedirect"=dword:00000001
"DeadGWDetectDefault"=dword:00000001
"DontAddDefaultGatewayDefault"=dword:00000000
"EnableSecurityFilters"=dword:00000000
"AllowUnqualifiedQuery"=dword:00000000
"PrioritizeRecordData"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Tcpip\Parameters\Adapters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Tcpip\Parameters\Adapters\Ndis
WanIp]
"LLInterface"="WANARP"
"IpConfig"=hex(7):54,63,70,69,70,5c,50,61,72,61,6d,65,74,65,72,73,5c,49,6e,74,\
65,72,66,61,63,65,73,5c,7b,37,44,45,34,31,34,32,32,2d,42,30,30,43,2d,34,42,\
33,46,2d,42,35,42,32,2d,32,39,39,35,37,36,46,37,35,32,36,45,7d,00,54,63,70,\
69,70,5c,50,61,72,61,6d,65,74,65,72,73,5c,49,6e,74,65,72,66,61,63,65,73,5c,\
7b,41,32,32,37,44,33,36,33,2d,38,43,32,39,2d,34,32,32,35,2d,41,44,36,44,2d,\
36,45,32,34,38,36,41,30,46,38,46,36,7d,00,00
"NumInterfaces"=dword:00000002
"IpInterfaces"=hex:22,14,e4,7d,0c,b0,3f,4b,b5,b2,29,95,76,f7,52,6e,63,d3,27,a2,\
29,8c,25,42,ad,6d,6e,24,86,a0,f8,f6

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Tcpip\Parameters\Adapters\{13B
84ED8-0F34-4B7E-94B0-EC4FA6E856EB}]
"LLInterface"=""
"IpConfig"=hex(7):54,63,70,69,70,5c,50,61,72,61,6d,65,74,65,72,73,5c,49,6e,74,\
65,72,66,61,63,65,73,5c,7b,31,33,42,38,34,45,44,38,2d,30,46,33,34,2d,34,42,\
37,45,2d,39,34,42,30,2d,45,43,34,46,41,36,45,38,35,36,45,42,7d,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Tcpip\Parameters\Adapters\{3EE
D0730-D782-4227-AA0E-B18531F7D1FB}]
"LLInterface"=""
"IpConfig"=hex(7):54,63,70,69,70,5c,50,61,72,61,6d,65,74,65,72,73,5c,49,6e,74,\
65,72,66,61,63,65,73,5c,7b,33,45,45,44,30,37,33,30,2d,44,34,37,38,32,2d,34,32,\
32,37,2d,41,41,30,45,2d,42,31,38,35,33,31,46,37,44,31,46,42,7d,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Tcpip\Parameters\Adapters\{503
A6ECA-C489-4EC2-A96D-BB74710B0D6C}]
"LLInterface"=""
"IpConfig"=hex(7):54,63,70,69,70,5c,50,61,72,61,6d,65,74,65,72,73,5c,49,6e,74,\
65,72,66,61,63,65,73,5c,7b,35,30,33,41,36,45,43,41,2d,43,34,38,39,2d,34,45,\
43,32,2d,41,39,36,44,2d,42,37,34,37,31,30,42,30,44,36,43,7d,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Tcpip\Parameters\Adapters\{866
0340F-FD37-40AA-B887-9DDC6C5E12DE}]
"LLInterface"=""
"IpConfig"=hex(7):54,63,70,69,70,5c,50,61,72,61,6d,65,74,65,72,73,5c,49,6e,74,\
65,72,66,61,63,65,73,5c,7b,38,36,36,30,33,34,30,46,2d,46,44,33,37,2d,34,30,\
41,41,2d,42,38,38,37,2d,39,44,44,43,36,43,35,45,31,32,44,45,7d,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Tcpip\Parameters\Adapters\{CA1
10D7E-A9E6-48AA-9B01-5A5670CD4A7D}]
"LLInterface"=""
"IpConfig"=hex(7):54,63,70,69,70,5c,50,61,72,61,6d,65,74,65,72,73,5c,49,6e,74,\
65,72,66,61,63,65,73,5c,7b,43,41,31,31,30,44,37,45,2d,41,39,45,36,2d,34,38,\

```

```

41,41,2d,39,42,30,31,2d,35,41,35,36,37,30,43,44,34,41,37,44,7d,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Tcpip\Parameters\DNSRegistered
Adapters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Tcpip\Parameters\Interfaces]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Tcpip\Parameters\Interfaces\{1
3B84ED8-0F34-4B7E-94B0-EC4FA6E856EB}]
"UseZeroBroadcast"=dword:00000000
"EnableDeadGWDetect"=dword:00000001
"EnableDHCP"=dword:00000001
"IPAddress"=hex(7):30,2e,30,2e,30,2e,30,00,00
"SubnetMask"=hex(7):30,2e,30,2e,30,2e,30,00,00
"DefaultGateway"=hex(7):00
"DefaultGatewayMetric"=hex(7):00
"NameServer"=""
"Domain"=""
"DisableDynamicUpdate"=dword:00000000
"EnableAdapterDomainNameRegistration"=dword:00000000
"InterfaceMetric"=dword:00000001
"TCPAllowedPorts"=hex(7):30,00,00
"UDPAllowedPorts"=hex(7):30,00,00
"RawIPAllowedProtocols"=hex(7):30,00,00
"NTEContextList"=hex(7):00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Tcpip\Parameters\Interfaces\{3
EED0730-D782-4227-AA0E-B18531F7D1FB}]
"UseZeroBroadcast"=dword:00000000
"EnableDeadGWDetect"=dword:00000001
"EnableDHCP"=dword:00000000
"IPAddress"=hex(7):31,33,30,2e,31,36,38,2e,32,30,31,2e,31,30,36,00,31,33,30,2e,\
31,38,30,2e,36,2e,31,00,00
"SubnetMask"=hex(7):32,35,35,2e,32,35,35,2e,30,2e,30,00,32,35,35,2e,32,35,35,\
2e,32,35,35,2e,30,00,00
"DefaultGateway"=hex(7):00
"DefaultGatewayMetric"=hex(7):00
"NameServer"=""
"Domain"=""
"DisableDynamicUpdate"=dword:00000000
"EnableAdapterDomainNameRegistration"=dword:00000000
"InterfaceMetric"=dword:00000001
"TCPAllowedPorts"=hex(7):30,00,00
"UDPAllowedPorts"=hex(7):30,00,00
"RawIPAllowedProtocols"=hex(7):30,00,00
"NTEContextList"=hex(7):30,78,30,30,30,30,30,30,33,00,30,78,30,30,30,30,30,\
30,30,34,00,00
"DhcpServer"="255.255.255.255"
"Lease"=dword:00000e10
"LeaseObtainedTime"=dword:386b14eb
"T1"=dword:386b1bf3
"T2"=dword:386b2139
"LeaseTerminatesTime"=dword:386b22fb
"IPAutoconfigurationAddress"="0.0.0.0"
"IPAutoconfigurationMask"="255.255.0.0"
"IPAutoconfigurationSeed"=dword:00000000
"AddressType"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Tcpip\Parameters\Interfaces\{5
03A6ECA-C489-4EC2-A96D-BB74710B0D6C}]
"UseZeroBroadcast"=dword:00000000
"EnableDeadGWDetect"=dword:00000001
"EnableDHCP"=dword:00000000

```



```
"IPAddress"=hex(7):31,30,30,2e,31,30,30,2e,31,30,30,2e,31,30,36,00,00
"SubnetMask"=hex(7):32,35,35,2e,32,35,35,2e,32,35,35,2e,30,00,00
"DefaultGateway"=hex(7):00
"DefaultGatewayMetric"=hex(7):00
"NameServer"=""
"Domain"=""
"DisableDynamicUpdate"=dword:00000000
"EnableAdapterDomainNameRegistration"=dword:00000000
"InterfaceMetric"=dword:00000001
"TCPAllowedPorts"=hex(7):30,00,00
"UDPAllowedPorts"=hex(7):30,00,00
"RawIPAllowedProtocols"=hex(7):30,00,00
"NTEContextList"=hex(7):30,78,30,30,30,30,30,30,35,00,00
"DhcpServer"="255.255.255"
"Lease"=dword:00000e10
"LeaseObtainedTime"=dword:3872d6c1
"T1"=dword:3872ddc9
"T2"=dword:3872e30f
"LeaseTerminatesTime"=dword:3872e4d1
"IPAutoconfigurationAddress"="0.0.0.0"
"IPAutoconfigurationMask"="255.255.0.0"
"IPAutoconfigurationSeed"=dword:00000000
"AddressType"=dword:00000000
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Tcpip\Parameters\Interfaces\{7
DE41422-B00C-4B3F-B5B2-299576F7526E}]
"UseZeroBroadcast"=dword:00000000
"EnableDHCP"=dword:00000000
"IPAddress"=hex(7):30,2e,30,2e,30,2e,30,00,00
"SubnetMask"=hex(7):30,2e,30,2e,30,2e,30,00,00
"DefaultGateway"=hex(7):00
"EnableDeadGWDetect"=dword:00000001
"DontAddDefaultGateway"=dword:00000000
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Tcpip\Parameters\Interfaces\{8
660340F-FD37-40AA-B887-9DDC6C5E12DE}]
"UseZeroBroadcast"=dword:00000000
"EnableDeadGWDetect"=dword:00000001
"EnableDHCP"=dword:00000001
"IPAddress"=hex(7):30,2e,30,2e,30,2e,30,00,00
"SubnetMask"=hex(7):30,2e,30,2e,30,2e,30,00,00
"DefaultGateway"=hex(7):00
"DefaultGatewayMetric"=hex(7):00
"NameServer"=""
"Domain"=""
"DisableDynamicUpdate"=dword:00000000
"EnableAdapterDomainNameRegistration"=dword:00000000
"InterfaceMetric"=dword:00000001
"TCPAllowedPorts"=hex(7):30,00,00
"UDPAllowedPorts"=hex(7):30,00,00
"RawIPAllowedProtocols"=hex(7):30,00,00
"NTEContextList"=hex(7):00
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Tcpip\Parameters\Interfaces\{A
227D363-8C29-4225-AD6D-6E2486A0F8F6}]
"UseZeroBroadcast"=dword:00000000
"EnableDHCP"=dword:00000000
"IPAddress"=hex(7):30,2e,30,2e,30,2e,30,00,00
"SubnetMask"=hex(7):30,2e,30,2e,30,2e,30,00,00
"DefaultGateway"=hex(7):00
"EnableDeadGWDetect"=dword:00000001
"DontAddDefaultGateway"=dword:00000000
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Tcpip\Parameters\Interfaces\{C
A110D7E-A9E6-48AA-9B01-5A5670CD4A7D}]
"UseZeroBroadcast"=dword:00000000
"EnableDeadGWDetect"=dword:00000001
"EnableDHCP"=dword:00000000
"IPAddress"=hex(7):31,33,30,2e,31,37,30,2e,31,2e,36,00,00
"SubnetMask"=hex(7):32,35,35,2e,32,35,35,2e,32,35,35,2e,30,00,00
"DefaultGateway"=hex(7):00
"DefaultGatewayMetric"=hex(7):00
"NameServer"=""
"Domain"=""
"DisableDynamicUpdate"=dword:00000000
"EnableAdapterDomainNameRegistration"=dword:00000000
"InterfaceMetric"=dword:00000001
"TCPAllowedPorts"=hex(7):30,00,00
"UDPAllowedPorts"=hex(7):30,00,00
"RawIPAllowedProtocols"=hex(7):30,00,00
"NTEContextList"=hex(7):30,78,30,30,30,30,30,30,32,00,00
"DhcpServer"="255.255.255"
"Lease"=dword:00000e10
"LeaseObtainedTime"=dword:38889590
"T1"=dword:38889c98
"T2"=dword:3888alde
"LeaseTerminatesTime"=dword:3888a3a0
"IPAutoconfigurationAddress"="0.0.0.0"
"IPAutoconfigurationMask"="255.255.0.0"
"IPAutoconfigurationSeed"=dword:00000000
"AddressType"=dword:00000000
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Tcpip\Parameters\PersistentRou
tes]
"10.0.0.0,255.255.0.0,130.168.1.139,1"=""
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Tcpip\Parameters\Winsock]
"UseDelayedAcceptance"=dword:00000000
"HelperDllName"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,\
6d,33,32,5c,77,73,68,74,63,70,69,70,2e,64,6c,6c,00
"MaxSockAddrLength"=dword:00000010
"MinSockAddrLength"=dword:00000010
"Mapping"=hex:0b,00,00,00,03,00,00,00,02,00,00,01,00,00,00,06,00,00,00,02,\
00,00,00,01,00,00,00,00,00,00,02,00,00,00,00,00,00,00,06,00,00,00,00,\
00,00,00,00,00,06,00,00,00,00,00,00,00,01,00,00,00,06,00,00,00,00,\
00,02,00,00,00,11,00,00,00,02,00,00,00,02,00,00,00,00,00,00,00,02,00,00,\
00,00,00,00,11,00,00,00,00,00,00,00,00,00,00,11,00,00,00,00,00,00,02,\
00,00,00,11,00,00,00,02,00,00,00,03,00,00,00,00,00,00
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Tcpip\Performance]
"Close"="CloseTcpipPerformanceData"
"Collect"="CollectTcpipPerformanceData"
"Library"="Perfctrs.dll"
"Open"="OpenTcpipPerformanceData"
"WbemAdapFileTime"=hex:00,60,4e,96,aa,40,bf,01
"WbemAdapFileSize"=dword:0000a310
"WbemAdapStatus"=dword:00000000
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Tcpip\Security]
"Security"=hex:01,00,14,80,a0,00,00,00,ac,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,70,00,04,00,00,00,00,00,00,00,18,00,fd,01,02,00,01,01,00,00,00,00,\
05,12,00,00,00,02,00,00,00,00,00,1c,00,ff,01,0f,00,01,02,00,00,00,00,05,\
20,00,00,00,20,02,00,00,03,00,00,00,00,18,00,8d,01,02,00,01,01,00,00,00,\
00,00,05,0b,00,00,00,20,02,00,00,00,00,1c,00,fd,01,02,00,01,02,00,00,00,\
00,05,20,00,00,23,02,00,00,03,00,00,00,01,01,00,00,00,00,00,05,12,00,00,\
```

00,01,01,00,00,00,00,00,05,12,00,00,00

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Tcpip\ServiceProvider]
"Class"=dword:00000008
"DnsPriority"=dword:000007d0
"HostsPriority"=dword:000001f4
"LocalPriority"=dword:000001f3
"ProviderPath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,\
33,32,5c,77,73,6f,63,6b,33,32,2e,64,6c,6c,00
"NetbtPriority"=dword:000007d1
"Name"="TCP/IP"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Tcpip\Enum]
"0"="Root\LEGACY_TCPIP\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\TDASYNC]
"ErrorControl"=dword:00000000
"Start"=dword:00000003
"Type"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\TDIPX]
"ErrorControl"=dword:00000000
"Start"=dword:00000003
"Type"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\TDNETB]
"ErrorControl"=dword:00000000
"Start"=dword:00000003
"Type"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\TDPIPE]
"ErrorControl"=dword:00000000
"Start"=dword:00000003
"Type"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\TDPIPE\Enum]
"0"="Root\LEGACY_TDPIPE\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\TDSPX]
"ErrorControl"=dword:00000000
"Start"=dword:00000003
"Type"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\TDTCP]
"ErrorControl"=dword:00000000
"Start"=dword:00000003
"Type"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\TDTCP\Enum]
"0"="Root\LEGACY_TDTCP\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\TermDD]
"Start"=dword:00000002
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):5c,53,79,73,74,65,6d,52,6f,6f,74,5c,53,79,73,74,65,6d,33,32,\
5c,64,72,69,76,65,72,73,5c,74,65,72,6d,64,64,2e,73,79,73,00
"Type"=dword:00000001
```

"DisplayName"="Terminal Device Driver"

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\TermDD\Enum]
"0"="Root\LEGACY_TERMDD\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\TermService]
"Start"=dword:00000002
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,\
32,5c,74,65,72,6d,73,72,76,2e,65,78,65,00
"ObjectName"="LocalSystem"
"Type"=dword:00000010
"Description"="Provides a multisession environment that allows client devices to
access a virtual Windows 2000 Professional desktop session and Windows-based
programs running on the server."
"DisplayName"="Terminal Services"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\TermService\Parameters]
"UseLicenseServer"=dword:00000000
"fInternetConnector"=dword:00000000
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\TermService\Performance]
"Close"="CloseTSObject"
"Collect Timeout"=dword:000003e8
"Collect"="CollectTSObjectData"
"Open Timeout"=dword:000003e8
"Open"="OpenTSObject"
"Library"="perfets.dll"
"Last Counter"=dword:000008d8
"Last Help"=dword:000008d9
"First Counter"=dword:00000858
"First Help"=dword:00000859
"Object List"="2136 2258"
"WbemAdapFileTime"=hex:00,60,4e,96,aa,40,bf,01
"WbemAdapFileSize"=dword:00003110
"WbemAdapStatus"=dword:00000000
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\TermService\Enum]
"0"="Root\LEGACY_TERMSERVICE\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\tga]
"BootDriver"=dword:00000001
"ErrorControl"=dword:00000000
"Group"="Video"
"Start"=dword:00000001
"Type"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\tga\Device0]
"InstalledDisplayDrivers"=hex(7):74,67,61,00,00
"VgaCompatible"=dword:00000000
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\TlntSvr]
"DependOnService"=hex(7):52,70,63,53,73,00,54,63,70,49,70,00,00
"Description"="Allows a remote user to log on to the system and run console programs
using the command line."
"DisplayName"="Telnet"
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,73,79,73,74,65,6d,33,\
32,5c,74,6c,6e,74,73,76,72,2e,65,78,65,00
```

```

"ObjectName"="LocalSystem"
"Start"=dword:00000003
"Type"=dword:00000010

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\TrkSvr]
"Description"="Stores information so that files moved between volumes can be tracked
for each volume in the domain."
"DisplayName"="Distributed Link Tracking Server"
"DependOnService"=hex(7):52,70,63,53,73,00,00
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,73,79,73,74,65,6d,33,\
32,5c,73,65,72,76,69,63,65,73,2e,65,78,65,00
"ObjectName"="LocalSystem"
"Start"=dword:00000003
"Type"=dword:00000020

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\TrkSvr\Parameters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\TrkWks]
"Description"="Sends notifications of files moving between NTFS volumes in a network
domain."
"DisplayName"="Distributed Link Tracking Client"
"DependOnService"=hex(7):52,70,63,53,73,00,00
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,73,79,73,74,65,6d,33,\
32,5c,73,65,72,76,69,63,65,73,2e,65,78,65,00
"ObjectName"="LocalSystem"
"Start"=dword:00000002
"Type"=dword:00000020

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\TrkWks\Parameters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\TrkWks\Security]
"Security"=hex:01,00,14,80,a8,00,00,00,b4,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,00,01,00,00,\
00,00,02,00,78,00,05,00,00,00,00,00,14,00,8d,01,02,00,01,01,00,00,00,00,00,\
05,0b,00,00,00,00,00,18,00,9d,01,02,00,01,02,00,00,00,00,00,05,20,00,00,00,\
23,02,00,00,00,00,18,00,ff,01,0f,00,01,02,00,00,00,00,05,20,00,00,00,20,\
02,00,00,00,00,18,00,ff,01,0f,00,01,02,00,00,00,00,05,20,00,00,25,02,\
00,00,00,00,14,00,fd,01,02,00,01,01,00,00,00,00,05,12,00,00,00,01,01,00,\
00,00,00,00,05,12,00,00,00,01,01,00,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\TrkWks\Enum]
"0"="Root\LEGACY_TRKWKS\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Udfs]
"ErrorControl"=dword:00000001
"Group"="File system"
"Start"=dword:00000004
"Type"=dword:00000002

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\ultra66]
"ErrorControl"=dword:00000001
"Group"="SCSI miniport"
"Start"=dword:00000004
"Tag"=dword:0000003b
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\ultra66\Parameters]

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\ultra66\Parameters\PnpInterfac
e]
"5"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Update]
"ErrorControl"=dword:00000001
"Start"=dword:00000003
"Type"=dword:00000001
"DisplayName"="Microcode Update Driver"
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,44,52,49,56,45,52,53,5c,75,70,64,\
61,74,65,2e,73,79,73,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Update\Devices]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Update\Enum]
"0"="Root\SYSTEM\0001"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\UPS]
"Description"="Manages an uninterruptible power supply (UPS) connected to the
computer."
"DisplayName"="Uninterruptible Power Supply"
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,\
32,5c,75,70,73,2e,65,78,65,00
"ObjectName"="LocalSystem"
"Start"=dword:00000003
"Type"=dword:00000010

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\UtilMan]
"Description"="Starts and configures accessibility tools from one window "
"DisplayName"="Utility Manager"
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,\
32,5c,55,74,69,6c,4d,61,6e,2e,65,78,65,00
"Start"=dword:00000003
"ObjectName"="LocalSystem"
"Type"=dword:00000110

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\UtilMan\Security]
"Security"=hex:01,00,14,80,bc,00,00,00,c8,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,00,01,00,00,\
00,00,02,00,8c,00,05,00,00,00,00,00,18,00,8d,01,02,00,01,01,00,00,00,00,00,\
05,0b,00,00,00,00,00,00,00,00,00,00,1c,00,fd,01,02,00,01,02,00,00,00,00,05,\
20,00,00,00,23,02,00,00,9d,37,5c,92,00,00,1c,00,ff,01,0f,00,01,02,00,00,00,\
00,00,05,20,00,00,00,20,02,00,00,9d,37,5c,92,00,00,1c,00,ff,01,0f,00,01,02,\
00,00,00,00,05,20,00,00,00,25,02,00,00,9d,37,5c,92,00,00,18,00,fd,01,02,\
00,01,01,00,00,00,00,05,12,00,00,00,25,02,00,00,01,01,00,00,00,00,00,05,\
12,00,00,00,01,01,00,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\VgaSave]
"ErrorControl"=dword:00000000
"Group"="Video Save"
"ImagePath"=hex(2):5c,53,79,73,74,65,6d,52,6f,6f,74,5c,53,79,73,74,65,6d,33,32,\
5c,64,72,69,76,65,72,73,5c,76,67,61,2e,73,79,73,00
"Start"=dword:00000001
"Tag"=dword:00000001
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\VgaSave\Device0]
"InstalledDisplayDrivers"=hex(7):76,67,61,00,00
"VgaCompatible"=dword:00000001

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"HardwareInformation.Crc32"=hex:77,2f,b2,d8

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\VgaSave\Enum]
"0"="Root\LEGACY_VGASAVE\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W32Time]
"Description"="Sets the computer clock."
"DisplayName"="Windows Time"
"ErrorControl"=dword:00000001
"Group"=""
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,\
32,5c,73,65,72,76,69,63,65,73,2e,65,78,65,00
"ObjectName"="LocalSystem"
"Start"=dword:00000003
"Type"=dword:00000020

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W32Time\Parameters]
"LocalNTP"=dword:00000000
"Period"="SpecialSkew"
"type"="Nt5DS"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W32Time\Security]
"Security"=hex:01,00,14,80,a8,00,00,00,b4,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,78,00,05,00,00,00,03,14,00,8d,00,02,00,01,01,00,00,00,00,\
01,00,00,00,00,03,18,00,ff,01,0f,00,01,02,00,00,00,00,05,20,00,00,00,\
20,02,00,00,00,03,18,00,8d,00,02,00,01,02,00,00,00,00,05,20,00,00,23,\
02,00,00,00,03,14,00,9d,00,00,00,01,01,00,00,00,00,05,04,00,00,00,03,\
18,00,9d,00,00,00,01,02,00,00,00,05,20,00,00,00,21,02,00,00,01,01,00,\
00,00,00,00,05,12,00,00,00,01,01,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W3SVC]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W3SVC\Parameters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W3SVC\Parameters\ADCLaunch]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W3SVC\Parameters\ADCLaunch\AdvancedDataFactory]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W3SVC\Parameters\ADCLaunch\RDS
Server.DataFactory]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Wanarp]
"Type"=dword:00000001
"Start"=dword:00000003
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,44,52,49,56,45,52,53,5c,77,61,6e,\
61,72,70,2e,73,79,73,00
"DisplayName"="Remote Access IP ARP Driver"
"Description"="Remote Access IP ARP Driver"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Wanarp\Security]
"Security"=hex:01,00,14,80,a0,00,00,00,ac,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,70,00,04,00,00,00,00,00,18,00,fd,01,02,00,01,01,00,00,00,00,\
05,12,00,00,00,61,00,6c,00,00,00,1c,00,ff,01,0f,00,01,02,00,00,00,00,05,\
20,00,00,00,20,02,00,00,6c,00,65,00,00,00,18,00,8d,01,02,00,01,01,00,00,\
00,00,05,0b,00,00,00,20,02,00,00,00,00,1c,00,fd,01,02,00,01,02,00,00,00,\
00,05,20,00,00,00,23,02,00,00,6c,00,65,00,01,01,00,00,00,00,05,12,00,00,\
00,01,01,00,00,00,00,00,05,12,00,00,00

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Wanarp\Enum]
"0"="Root\LEGACY_WANARP\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\WDICA]
"ErrorControl"=dword:00000000
"Start"=dword:00000003
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\WinMgmt]
"Type"=dword:00000010
"Start"=dword:00000002
"ErrorControl"=dword:00000000
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,65,6d,33,\
32,5c,57,42,45,4d,5c,57,69,6e,4d,67,6d,74,2e,65,78,65,00
"DisplayName"="Windows Management Instrumentation"
"DependOnService"=hex(7):52,50,43,53,53,00,00
"DependOnGroup"=hex(7):00
"ObjectName"="LocalSystem"
"Description"="Provides system management information."
"FailureActions"=hex:80,51,01,00,00,00,00,00,00,00,00,00,00,02,00,00,00,a8,3b,11,\
00,01,00,00,00,60,ea,00,00,01,00,00,00,60,ea,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\WinMgmt\Security]
"Security"=hex:01,00,14,80,a0,00,00,00,ac,00,00,00,14,00,00,00,30,00,00,00,02,\
00,1c,00,01,00,00,00,02,80,14,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,70,00,04,00,00,00,00,00,18,00,fd,01,02,00,01,01,00,00,00,00,\
05,12,00,00,00,20,02,00,00,00,00,1c,00,ff,01,0f,00,01,02,00,00,00,00,05,\
20,00,00,00,20,02,00,00,79,00,00,00,00,00,18,00,8d,01,02,00,01,01,00,00,\
00,00,05,0b,00,00,00,20,02,00,00,00,00,1c,00,fd,01,02,00,01,02,00,00,00,\
00,05,20,00,00,00,23,02,00,00,79,00,00,00,01,01,00,00,00,00,05,12,00,00,\
00,01,01,00,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\WinMgmt\Enum]
"0"="Root\LEGACY_WINMGMT\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Winsock]
"ErrorControl"=dword:00000001
"Start"=dword:00000003
"Type"=dword:00000004

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Winsock\Parameters]
"Transports"=hex(7):54,63,70,69,70,00,4e,65,74,42,49,4f,53,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Winsock\Setup Migration]
"Setup Version"=dword:00001009
"Provider List"=hex(7):54,63,70,69,70,00,4e,65,74,42,49,4f,53,00,00
"Known Static Providers"=hex(7):54,63,70,69,70,00,4e,77,6c,6e,6b,49,70,78,00,\
4e,77,6c,6e,6b,53,70,78,00,41,70,70,6c,65,54,61,6c,6b,00,49,73,6f,54,70,00,\
00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Winsock\Setup
Migration\Providers]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Winsock\Setup
Migration\Providers\NetBIOS]
"WinSock 1.1 Provider Data"=hex:0e,10,00,00,11,00,00,00,14,00,00,00,14,00,00,\
00,05,00,00,00,fd,ff,ff,ff,00,fa,00,00,be,07,00,00,09,12,00,00,11,00,00,00,\
14,00,00,00,14,00,00,00,02,00,00,00,fd,ff,ff,ff,00,fa,00,00,48,07,00,00,0e,\

```

10,00,00,11,00,00,00,14,00,00,00,14,00,00,00,05,00,00,00,fe,ff,ff,ff,00,fa,\
00,00,42,06,00,00,09,12,00,00,11,00,00,00,14,00,00,00,14,00,00,02,00,00,\
00,fe,ff,ff,ff,00,fa,00,00,5c,06,00,00,0e,10,00,00,11,00,00,14,00,00,00,\
14,00,00,00,05,00,00,00,f8,ff,ff,ff,00,fa,00,00,e8,05,00,00,09,12,00,00,11,\
00,00,00,14,00,00,00,14,00,00,00,02,00,00,00,f8,ff,ff,ff,00,fa,00,00,70,05,\
00,00,0e,10,00,00,11,00,00,00,14,00,00,00,14,00,00,00,05,00,00,00,00,00,\
80,00,fa,00,00,fa,04,00,00,09,12,00,00,11,00,00,00,14,00,00,00,14,00,00,00,\
02,00,00,00,00,00,00,80,00,fa,00,00,84,04,00,00,0e,10,00,00,11,00,00,00,14,\
00,00,00,14,00,00,00,05,00,00,00,ff,ff,ff,ff,00,fa,00,00,0e,04,00,00,09,12,\
00,00,11,00,00,00,14,00,00,00,14,00,00,00,02,00,00,00,ff,ff,ff,ff,00,fa,00,\
00,98,03,00,00,0e,10,00,00,11,00,00,00,14,00,00,00,14,00,00,00,05,00,00,00,\
fc,ff,ff,ff,00,fa,00,00,22,03,00,00,09,12,00,00,11,00,00,00,14,00,00,00,14,\
00,00,00,02,00,00,00,fc,ff,ff,ff,00,fa,00,00,ac,02,00,00,0e,10,00,00,11,00,\
00,00,14,00,00,00,14,00,00,00,05,00,00,00,fb,ff,ff,ff,00,fa,00,00,36,02,00,\
00,09,12,00,00,11,00,00,00,14,00,00,00,14,00,00,00,02,00,00,00,fb,ff,ff,ff,\
00,fa,00,00,c0,01,00,00,5c,00,44,00,65,00,76,00,69,00,63,00,65,00,5c,00,4e,\
00,65,00,74,00,42,00,54,00,5f,00,54,00,63,00,70,00,69,00,70,00,5f,00,7b,00,\
41,00,32,00,32,00,37,00,44,00,33,00,36,00,33,00,2d,00,38,00,43,00,32,00,39,\
00,2d,00,34,00,32,00,32,00,35,00,2d,00,41,00,44,00,36,00,44,00,2d,00,36,00,\
45,00,32,00,34,00,38,00,36,00,41,00,30,00,46,00,38,00,46,00,36,00,7d,00,00,\
00,5c,00,44,00,65,00,76,00,69,00,63,00,65,00,5c,00,4e,00,65,00,74,00,42,00,\
54,00,5f,00,54,00,63,00,70,00,69,00,70,00,5f,00,7b,00,41,00,32,00,32,00,37,\
00,44,00,33,00,36,00,33,00,2d,00,38,00,43,00,32,00,39,00,2d,00,34,00,32,00,\
32,00,35,00,2d,00,41,00,44,00,36,00,44,00,2d,00,36,00,45,00,32,00,34,00,38,\
00,36,00,41,00,30,00,46,00,38,00,46,00,36,00,7d,00,00,00,5c,00,44,00,65,00,\
76,00,69,00,63,00,65,00,5c,00,4e,00,65,00,74,00,42,00,54,00,5f,00,54,00,63,\
00,70,00,69,00,70,00,5f,00,7b,00,37,00,44,00,45,00,34,00,31,00,34,00,32,00,\
32,00,2d,00,42,00,30,00,30,00,43,00,2d,00,34,00,42,00,33,00,46,00,2d,00,42,\
00,35,00,42,00,32,00,2d,00,32,00,39,00,35,00,37,00,36,00,46,00,37,00,00,\
35,00,32,00,36,00,45,00,7d,00,00,00,5c,00,44,00,65,00,76,00,69,00,63,00,65,\
00,5c,00,4e,00,65,00,74,00,42,00,54,00,5f,00,54,00,63,00,70,00,69,00,70,00,\
5f,00,7b,00,37,00,44,00,45,00,34,00,31,00,34,00,32,00,32,00,2d,00,42,00,30,\
00,30,00,43,00,2d,00,34,00,42,00,33,00,46,00,2d,00,42,00,35,00,42,00,32,00,\
2d,00,32,00,39,00,39,00,35,00,37,00,36,00,46,00,37,00,35,00,32,00,36,00,45,\
00,7d,00,00,00,5c,00,44,00,65,00,76,00,69,00,63,00,65,00,5c,00,4e,00,65,00,\
74,00,42,00,54,00,5f,00,54,00,63,00,70,00,69,00,70,00,5f,00,7b,00,33,00,45,\
00,45,00,44,00,30,00,37,00,33,00,30,00,2d,00,44,00,37,00,38,00,32,00,2d,00,\
34,00,32,00,32,00,37,00,2d,00,41,00,41,00,30,00,45,00,2d,00,42,00,31,00,38,\
00,35,00,33,00,31,00,46,00,37,00,44,00,31,00,46,00,42,00,7d,00,00,00,5c,00,\
44,00,65,00,76,00,69,00,63,00,65,00,5c,00,4e,00,65,00,74,00,42,00,54,00,5f,\
00,54,00,63,00,70,00,69,00,70,00,5f,00,7b,00,33,00,45,00,45,00,44,00,30,00,\
37,00,33,00,30,00,2d,00,44,00,37,00,38,00,32,00,2d,00,34,00,32,00,32,00,37,\
00,2d,00,41,00,41,00,30,00,45,00,2d,00,42,00,31,00,38,00,35,00,33,00,31,00,\
46,00,37,00,44,00,31,00,46,00,42,00,7d,00,00,00,5c,00,44,00,65,00,76,00,69,\
00,63,00,65,00,5c,00,4e,00,65,00,74,00,42,00,54,00,5f,00,54,00,63,00,70,00,\
69,00,70,00,5f,00,7b,00,38,00,36,00,36,00,30,00,33,00,34,00,30,00,46,00,2d,\
00,46,00,44,00,33,00,37,00,2d,00,34,00,30,00,41,00,41,00,2d,00,42,00,38,00,\
38,00,37,00,2d,00,39,00,44,00,44,00,43,00,36,00,43,00,35,00,45,00,31,00,32,\
00,44,00,45,00,7d,00,00,00,5c,00,44,00,65,00,76,00,69,00,63,00,65,00,5c,00,\
4e,00,65,00,74,00,42,00,54,00,5f,00,54,00,63,00,70,00,69,00,70,00,5f,00,7b,\
00,38,00,36,00,36,00,30,00,33,00,34,00,30,00,46,00,2d,00,46,00,44,00,33,00,\
37,00,2d,00,34,00,30,00,41,00,41,00,2d,00,42,00,38,00,38,00,37,00,2d,00,39,\
00,44,00,44,00,43,00,36,00,43,00,35,00,45,00,31,00,32,00,44,00,45,00,7d,00,\
00,00,5c,00,44,00,65,00,76,00,69,00,63,00,65,00,5c,00,4e,00,65,00,74,00,42,\
00,54,00,5f,00,54,00,63,00,70,00,69,00,70,00,5f,00,7b,00,35,00,30,00,33,00,\
41,00,36,00,45,00,43,00,41,00,2d,00,43,00,34,00,38,00,39,00,2d,00,34,00,45,\
00,43,00,32,00,2d,00,41,00,39,00,36,00,44,00,2d,00,42,00,42,00,42,00,37,00,34,00,\
37,00,31,00,30,00,42,00,30,00,44,00,36,00,43,00,7d,00,00,00,5c,00,44,00,65,\
00,76,00,69,00,63,00,65,00,5c,00,4e,00,65,00,74,00,42,00,54,00,5f,00,54,00,\
63,00,70,00,69,00,70,00,5f,00,7b,00,35,00,30,00,33,00,41,00,36,00,45,00,43,\
00,41,00,2d,00,43,00,34,00,38,00,39,00,2d,00,34,00,45,00,43,00,32,00,2d,00,\
41,00,39,00,36,00,44,00,2d,00,42,00,42,00,37,00,34,00,37,00,31,00,30,00,42,\
00,30,00,44,00,36,00,43,00,7d,00,00,00,5c,00,44,00,65,00,76,00,69,00,63,00,\

65,00,5c,00,4e,00,65,00,74,00,42,00,54,00,5f,00,54,00,63,00,70,00,69,00,70,\
00,5f,00,7b,00,31,00,33,00,42,00,38,00,34,00,45,00,44,00,38,00,2d,00,30,00,\
46,00,33,00,34,00,2d,00,34,00,42,00,37,00,45,00,2d,00,39,00,34,00,42,00,30,\
00,2d,00,45,00,43,00,34,00,46,00,41,00,36,00,45,00,38,00,35,00,36,00,45,00,\
42,00,7d,00,00,00,5c,00,44,00,65,00,76,00,69,00,63,00,65,00,5c,00,4e,00,65,\
00,74,00,42,00,54,00,5f,00,54,00,63,00,70,00,69,00,70,00,5f,00,7b,00,31,00,\
33,00,42,00,38,00,34,00,45,00,44,00,38,00,2d,00,30,00,46,00,33,00,34,00,2d,\
00,34,00,42,00,37,00,45,00,2d,00,39,00,34,00,42,00,30,00,2d,00,45,00,43,00,\
34,00,46,00,41,00,36,00,45,00,38,00,35,00,36,00,45,00,42,00,7d,00,00,00,5c,\
00,44,00,65,00,76,00,69,00,63,00,65,00,5c,00,4e,00,65,00,74,00,42,00,54,00,\
5f,00,54,00,63,00,70,00,69,00,70,00,5f,00,7b,00,43,00,41,00,31,00,31,00,30,\
00,44,00,37,00,45,00,2d,00,41,00,39,00,45,00,36,00,2d,00,34,00,38,00,41,00,\
41,00,31,00,31,00,30,00,44,00,37,00,45,00,2d,00,41,00,39,00,45,00,36,00,2d,\
00,41,00,39,00,45,00,2d,00,34,00,38,00,41,00,31,00,31,00,30,00,44,00,37,00,\
41,00,37,00,44,00,7d,00,00,00

"WinSock 2.0 Provider ID"=hex:30,18,5f,8d,73,c2,cf,11,95,c8,00,80,5f,48,a1,92

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Winsock\Setup
Migration\Providers\Tcpip]
"WinSock 2.0 Provider ID"=hex:a0,1a,0f,e7,8b,ab,cf,11,8c,a3,00,80,5f,48,a1,92

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Winsock\Setup Migration\Well
Known_Guids]
"IsoTp"=hex:b0,cb,e4,89,c1,b9,cf,11,95,c8,00,80,5f,48,a1,92
"McsXns"=hex:bl,cb,e4,89,c1,b9,cf,11,95,c8,00,80,5f,48,a1,92
"AppleTalk"=hex:a0,17,3b,2c,df,c6,cf,11,95,c8,00,80,5f,48,a1,92

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Winsock2]
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Winsock2\Parameters]
"WinSock_Registry_Version"="2.0"
"Current_NameSpace_Catalog"="NameSpace_Catalog5"
"Current_Protocol_Catalog"="Protocol_Catalog9"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Winsock2\Parameters\NameSpace_
Catalog5]
"Num_Catalog_Entries"=dword:00000002
"Serial_Access_Num"=dword:00000003

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Winsock2\Parameters\NameSpace_
Catalog5\Catalog_Entries]
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Winsock2\Parameters\NameSpace_
Catalog5\Catalog_Entries\000000000001]
"LibraryPath"="%SystemRoot%\System32\rnr20.dll"
"DisplayString"="Tcpip"
"ProviderId"=hex:40,9d,05,22,9e,7e,cf,11,ae,5a,00,aa,00,a7,11,2b
"SupportedNameSpace"=dword:0000000c
"Enabled"=dword:00000001
"Version"=dword:00000000
"StoresServiceClassInfo"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Winsock2\Parameters\NameSpace_
Catalog5\Catalog_Entries\000000000002]
"LibraryPath"="%SystemRoot%\System32\winrnr.dll"
"DisplayString"="NTDS"
"ProviderId"=hex:ee,37,26,3b,80,e5,cf,11,a5,55,00,c0,4f,d8,d4,ac
"SupportedNameSpace"=dword:00000020
"Enabled"=dword:00000001


```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\{503A6ECA-C489-4EC2-A96D-BB74710B0D6C}]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\{503A6ECA-C489-4EC2-A96D-BB74710B0D6C}\Parameters]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\{503A6ECA-C489-4EC2-A96D-BB74710B0D6C}\Parameters\Tcpip]
"EnableDHCP"=dword:00000000
"IPAddress"=hex(7):31,30,30,2e,31,30,30,2e,31,30,30,2e,31,30,36,00,00
"SubnetMask"=hex(7):32,35,35,2e,32,35,35,2e,32,35,35,2e,30,00,00
"DefaultGateway"=hex(7):00
"DhcpIPAddress"="0.0.0.0"
"DhcpSubnetMask"="255.0.0.0"
"DhcpServer"="255.255.255.255"
"Lease"=dword:00000e10
"LeaseObtainedTime"=dword:3872d6c1
"T1"=dword:3872ddc9
"T2"=dword:3872e30f
"LeaseTerminatesTime"=dword:3872e4d1
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\{8660340F-FD37-40AA-B887-9DDC6C5E12DE}]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\{8660340F-FD37-40AA-B887-9DDC6C5E12DE}\Parameters]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\{8660340F-FD37-40AA-B887-9DDC6C5E12DE}\Parameters\Tcpip]
"EnableDHCP"=dword:00000001
"IPAddress"=hex(7):30,2e,30,2e,30,2e,30,00,00
"SubnetMask"=hex(7):30,2e,30,2e,30,2e,30,00,00
"DefaultGateway"=hex(7):00
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\{CA110D7E-A9E6-48AA-9B01-5A5670CD4A7D}]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\{CA110D7E-A9E6-48AA-9B01-5A5670CD4A7D}\Parameters]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\{CA110D7E-A9E6-48AA-9B01-5A5670CD4A7D}\Parameters\Tcpip]
"EnableDHCP"=dword:00000000
"IPAddress"=hex(7):31,33,30,2e,31,37,30,2e,31,2e,36,00,00
"SubnetMask"=hex(7):32,35,35,2e,32,35,35,2e,32,35,35,2e,30,00,00
"DefaultGateway"=hex(7):00
"DhcpIPAddress"="0.0.0.0"
"DhcpSubnetMask"="255.0.0.0"
"DhcpServer"="255.255.255.255"
"Lease"=dword:00000e10
"LeaseObtainedTime"=dword:38889590
"T1"=dword:38889c98
"T2"=dword:3888a1de
"LeaseTerminatesTime"=dword:3888a3a0
```

TPCC Application Registry Parameters

Windows Registry Editor Version 5.00

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\TPCC]
```

```
"Path"="c:\\inetpub\\wwwroot\\"
"NumberOfDeliveryThreads"=dword:00000008
"MaxConnections"=dword:00002710
"MaxPendingDeliveries"=dword:000003e8
"DB_Protocol"="ODBC"
"TxnMonitor"="COM"
"DbServer"="JAN"
"DbName"="tpcc"
"DbUser"="sa"
"DbPassword"=""
"COM_SinglePool"="YES"
```

Client System Configuration

```
Date . . . . . 02/13/2000
Time . . . . . 15:07:52

Product . . . . . ProLiant 1600

Machine ID
  From System Board . . . . . CPQ0689

Processor . . . . . Pentium III(R) at 600 MHz
  Slot . . . . . 2
  Secondary Cache . . . . . 512K
  CPU ID . . . . . 0673

Processor . . . . . Pentium III(R) at 600 MHz
  Slot . . . . . 1
  Secondary Cache . . . . . 512K
  CPU ID . . . . . 0673

Processor(s) Mapped Out . . . . . None

Numeric Coprocessor . . . . . Integrated 387-Compatible

Expansion Bus . . . . . ISA, PCI

System Identification Number . . . . . D917CNK10304

CPU Mode . . . . . Real Mode

System ROM
  Revision . . . . . 12/07/1999
  Family . . . . . P8
  Flashable . . . . . Yes
  Supports F10 partition . . . . . Yes

Video Controller ROM
  Revision . . . . . 1.31 (Cirrus)

Option ROMs
  Address Range . . . . . C0000 - C7FFF
  Data Dump . . . . . (CL-GD5446 PCI VGA BIOS Version 1.31
  Copyright...)

  Address Range . . . . . E8000 - EDFFF
  Data Dump . . . . . ( CPQSCSI d)
```

```

Bootblock ROM . . . . . 04/07/1998

Standby Recovery Server
Status . . . . . Disabled
COM Port . . . . . COM1
Server Configuration . . . . . Recovery
Timeout Value . . . . . 1 minutes

Memory Boards Identified:
System Board
DIMM Slot 1 (SDRAM) . . . . . 128 Megabytes
DIMM Slot 2 (SDRAM) . . . . . 128 Megabytes
DIMM Slot 3 (SDRAM) . . . . . 128 Megabytes
DIMM Slot 4 (SDRAM) . . . . . 128 Megabytes
Total Compaq Memory . . . . . 512 Megabytes

Keyboard . . . . . Enhanced

LPT Ports . . . . . LPT1 (Address 3BC)

COM Ports . . . . . COM1 (Address 3F8)
COM2 (Address 2F8)

Netelligent 10/100 TX Embedded UTP Controller
Device Type . . . . . Other Network Controller
PCI Bus Number . . . . . 1
Device Number . . . . . 7
Function Number . . . . . 00h
Slot Number . . . . . 0
Vendor ID . . . . . 0E11h
Device ID . . . . . AE43h
Revision ID . . . . . 10h
Programming Interface . . . . . 00h
Expansion ROM Base Address . . . . . FFFF0000h
IRQ Line . . . . . 5
IRQ Pin . . . . . INTA#
IO Address Base . . . . . 2800h
IO Address Length . . . . . 10h
Memory Address Base . . . . . C6FFDDF0h
Memory Address Length . . . . . 10h

Netelligent 10/100TX PCI UTP Controller
Device Type . . . . . Other Network Controller
PCI Bus Number . . . . . 1
Device Number . . . . . 10
Function Number . . . . . 00h
Slot Number . . . . . 0
Vendor ID . . . . . 0E11h
Device ID . . . . . AE32h
Revision ID . . . . . 10h
Programming Interface . . . . . 00h
Expansion ROM Base Address . . . . . FFFF0000h
IRQ Line . . . . . 11
IRQ Pin . . . . . INTA#
IO Address Base . . . . . 2810h
IO Address Length . . . . . 10h
Memory Address Base . . . . . C6FFDDE0h
Memory Address Length . . . . . 10h

Diskette Drive A . . . . . 1.44 Megabyte (3.5 inch)

```

```

Graphics Mode . . . . . 03 (80-Column Text)

Primary Monitor attached to . . . . . Cirrus CL-GD5446 Graphics Controller
with Video Graphics Color Monitor

Total Video Memory . . . . . 1024 Kbytes

Base Memory
System Total . . . . . 640 Kbytes
Amount Free . . . . . 597 Kbytes (612016 Bytes)

Extended Memory
System Total . . . . . 523264 Kbytes

Expanded Memory
LIM Driver Support . . . . . LIM driver not loaded

Operating System . . . . . MS-DOS version 7.00 (from diskette)

Status of file: C:\IO.SYS
Date and Time . . . . . 02/09/2000 17:05:56
Size . . . . . 0 Bytes

Status of file: C:\MSDOS.SYS
Date and Time . . . . . 02/09/2000 17:05:56
Size . . . . . 0 Bytes

-----
** Dump of C:\CONFIG.SYS
-----
** End of file

Status of file: C:\COMMAND.COM
*** File does not exist

-----
** Dump of C:\AUTOEXEC.BAT
-----
** End of file

Environment variables
PATH=
PROMPT=$P$G
COMSPEC=A:\COMMAND.COM
CMDLINE=inspect /u
End of environment

Revisions Table

Previous Revisions
I/O Board Revision . . . . . 04
Assembly Version . . . . . 1
Functional Revision Level . . . . . D

Current Revisions
I/O Board Revision . . . . . 04
Assembly Version . . . . . 1
Functional Revision Level . . . . . D

Memory Allocation (including INSPECT)
PSP SIZE NAME TRAPPED INTERRUPTS
-----

```

```

08D0 007200 COMMAND.COM F7h FDh 2Fh 2Eh 24h 23h 22h
0A9B 216448 INSPECT.EXE F8h F1h EFh E7h 3Fh 00h

System Configuration Memory
00 - 0F : 07 00 08 00 15 00 07 13 02 00 26 82 50 80 00 00
10 - 1F : 40 00 00 00 03 80 02 00 3C 00 00 00 00 00 00 02
20 - 2F : 00 00 00 00 7F 20 20 40 00 92 00 00 00 10 02 A4
30 - 3F : 00 3C 20 80 00 00 XX XX XX XX XX XX XX XX

BIOS Data Area
40:0000 : F8 03 F8 02 00 00 00 00 BC 03 00 00 00 00 06 02
40:0010 : 27 44 00 80 02 00 00 00 00 00 1E 00 1E 00 00 00
40:0020 : 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
40:0030 : 00 00 00 00 00 00 00 00 00 00 00 00 00 01 01 01
40:0040 : 23 00 00 00 00 2F 00 0F 02 03 50 00 00 10 00 00
40:0050 : 00 14 00 00 00 00 00 00 00 00 00 00 00 00 00 00
40:0060 : 0E 0D 00 D4 03 29 30 C2 11 45 77 00 02 22 0F 00
40:0070 : 00 00 00 12 00 01 00 00 14 14 14 14 01 01 01 01
40:0080 : 1E 00 3E 00 18 10 00 60 F9 11 0E 01 00 00 00 05
40:0090 : 17 00 00 00 2F 00 10 00 00 00 00 00 00 00 00 00
40:00A0 : 00 00 00 00 00 00 00 00 42 54 00 C0 00 00 00 00
40:00B0 : 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
40:00C0 : 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
40:00D0 : 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
40:00E0 : 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
40:00F0 : 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00

Interrupt Vector Table (including INSPECT)
00 - 03 : 0AAB:0555 0070:0465 0807:0016 0070:0465
04 - 07 : 0070:0465 F000:93CC F000:9BD0 F000:9BD0
08 - 0B : 0807:001F 0807:0028 F000:9BD0 F000:9BD0
0C - 0F : F000:9BD0 F000:9BD0 0807:009A 0070:0465
10 - 13 : C000:3342 F000:F84D F000:F841 0070:03EE
14 - 17 : F000:F71E 0247:0240 0070:042D F000:9BD0
18 - 1B : F000:2334 08C8:002F F000:FE6E 0070:045F
1C - 1F : F000:FF53 C000:1E2B 0000:0522 C000:6032
20 - 23 : 00C9:0FA8 00C9:1FE2 08D0:0314 08D0:016D
24 - 27 : 08D0:0178 00C9:0FBC 00C9:0FC6 00C9:0FD0
28 - 2B : 00C9:106F 0070:0466 00C9:106F 00C9:106F
2C - 2F : 00C9:106F 00C9:106F 08D0:0162 08D1:01CC
30 - 33 : C90F:E4EA F000:9B00 00C9:106F 00C9:106F
34 - 37 : 00C9:106F 00C9:106F 00C9:106F 00C9:106F
38 - 3B : 00C9:106F 00C9:106F 00C9:106F 00C9:106F
3C - 3F : 00C9:106F 00C9:106F 00C9:106F 1B58:04F3
40 - 43 : F000:EC59 0000:0000 F000:F065 C000:5C32
44 - 47 : F000:9BD0 F000:9BD0 0000:0000 F000:9BD0
48 - 4B : F000:9BD0 F000:9BD0 F000:9BD0 F000:9BD0
4C - 4F : F000:9BD0 F000:9BD0 F000:9BD0 0070:04FC
50 - 53 : F000:9BD0 F000:9BD0 F000:9BD0 F000:9BD0
54 - 57 : F000:9BD0 F000:9BD0 F000:9BD0 F000:9BD0
58 - 5B : F000:9BD0 F000:9BD0 F000:9BD0 F000:9BD0
5C - 5F : F000:9BD0 F000:9BD0 F000:9BD0 F000:9BD0
60 - 63 : 0000:0000 0000:0000 0000:0000 0000:0000
64 - 67 : 0000:0000 0000:0000 0000:0000 0000:0000
68 - 6B : F000:9BD0 F000:9BD0 F000:9BD0 F000:9BD0
6C - 6F : F000:9BD0 C000:3342 F000:9BD0 F000:9BD0
70 - 73 : 0807:0035 E800:28DD 0807:00E2 F000:9BD0
74 - 77 : 0807:00E2 F000:9C28 0807:00FA F000:9BD0
78 - 7B : 0000:0000 0000:0000 0000:0000 0000:0000
7C - 7F : 0000:0000 0000:0000 0000:0000 0000:0000
80 - 83 : 0000:0000 0000:0000 0000:0000 0000:0000
84 - 87 : 0000:0000 0000:0000 0000:0000 0000:0000

```

```

88 - 8B : 0000:0000 0000:0000 0000:0000 0000:0000
8C - 8F : 0000:0000 0000:0000 0000:0000 0000:0000
90 - 93 : 0000:0000 0000:0000 0000:0000 0000:0000
94 - 97 : 0000:0000 0000:0000 0000:0000 0000:0000
98 - 9B : 0000:0000 0000:0000 0000:0000 0000:0000
9C - 9F : 0000:0000 0000:0000 0000:0000 0000:0000
A0 - A3 : 0000:0000 0000:0000 0000:0000 0000:0000
A4 - A7 : 0000:0000 0000:0000 0000:0000 0000:0000
A8 - AB : 0000:0000 0000:0000 0000:0000 0000:0000
AC - AF : 0000:0000 0000:0000 0000:0000 0000:0000
B0 - B3 : 0000:0000 0000:0000 0000:0000 0000:0000
B4 - B7 : 0000:0000 0000:0000 0000:0000 0000:0000
B8 - BB : 0000:0000 0000:0000 0000:0000 0000:0000
BC - BF : 0000:0000 0000:0000 0000:0000 0000:0000
C0 - C3 : 0000:0000 0000:0000 0000:0000 0000:0000
C4 - C7 : 0000:0000 0000:0000 0000:0000 0000:0000
C8 - CB : 0000:0000 0000:0000 0000:0000 0000:0000
CC - CF : 0000:0000 0000:0000 0000:0000 0000:0000
D0 - D3 : 0000:0000 0000:0000 0000:0000 0000:0000
D4 - D7 : 0000:0000 0000:0000 0000:0000 0000:0000
D8 - DB : 0000:0000 0000:0000 0000:0000 0000:0000
DC - DF : 0000:0000 0000:0000 0000:0000 0000:0000
E0 - E3 : 0000:0000 0000:0000 0000:0000 0000:0000
E4 - E7 : 0000:0000 0000:0000 0000:0000 0F10:OCFD
E8 - EB : 0083:0009 0066:1FB9 0066:1FB7 0046:3C00
EC - EF : 0000:1DD3 0020:0203 0000:031F 0202:C000
F0 - F3 : C000:0008 0BE9:0E06 03CE:03DA 0008:5050
F4 - F7 : 00E8:655F 0203:0000 0000:03C4 0A2E:03C4
F8 - FB : 3394:0000 FF0E:000F 0000:0000 00F4:5FDB
FC - FF : 0246:0A00 0A00:0000 E0FB:0049 0003:0A1F

```

PCI Devices Information

```

Signature . . . . . PCI
Config Mechanism #1 . . . . . Supported
Config Mechanism #2 . . . . . Not Supported
Spec Cycle for Config #1 . . . . . Supported
Spec Cycle for Config #2 . . . . . Not Supported
BIOS Interface Version . . . . . 2.10
Last PCI Bus Number . . . . . 1
Number of PCI Devices . . . . . 5

PCI Bus Number . . . . . 0
Device Number . . . . . 11
Function Number . . . . . 00h
Slot Number . . . . . 0
Vendor ID . . . . . 1013h
Device ID . . . . . 00B8h
Revision ID . . . . . 45h
Device Type . . . . . VGA Compatible Controller
Programming Interface . . . . . 00h
Expansion ROM Base Address . . . . . FFFF0000h
IRQ Line . . . . . 255
IRQ Pin . . . . . Not Used
Memory Address Base . . . . . C4000000h
Memory Address Length . . . . . 2000000h
Memory Address Base . . . . . C6E0000h
Memory Address Length . . . . . 1000h

PCI Bus Number . . . . . 1
Device Number . . . . . 7
Function Number . . . . . 00h
Slot Number . . . . . 0
Vendor ID . . . . . 0E11h

```

```

Device ID . . . . . AE43h
Revision ID . . . . . 10h
Device Type . . . . . Other Network Controller
Programming Interface . . . . . 00h
Expansion ROM Base Address . . . . . FFFF0000h
IRQ Line . . . . . 5
IRQ Pin . . . . . INTA#
IO Address Base . . . . . 2800h
IO Address Length . . . . . 10h
Memory Address Base . . . . . C6FFDDF0h
Memory Address Length . . . . . 10h

PCI Bus Number . . . . . 1
Device Number . . . . . 9
Function Number . . . . . 00h
Slot Number . . . . . 0
Vendor ID . . . . . 0E11h
Device ID . . . . . 000Fh
Revision ID . . . . . 14h
Device Type . . . . . SCSI Bus Controller
Programming Interface . . . . . 00h
Expansion ROM Base Address . . . . . 0h
IRQ Line . . . . . 9
IRQ Pin . . . . . INTA#
IO Address Base . . . . . 2000h
IO Address Length . . . . . 100h
Memory Address Base . . . . . C6FFDF00h
Memory Address Length . . . . . 100h
Memory Address Base . . . . . C6FFF000h
Memory Address Length . . . . . 1000h

PCI Bus Number . . . . . 1
Device Number . . . . . 9
Function Number . . . . . 01h
Slot Number . . . . . 0
Vendor ID . . . . . 0E11h
Device ID . . . . . 000Fh
Revision ID . . . . . 14h
Device Type . . . . . SCSI Bus Controller
Programming Interface . . . . . 00h
Expansion ROM Base Address . . . . . 0h
IRQ Line . . . . . 10
IRQ Pin . . . . . INTB#
IO Address Base . . . . . 2400h
IO Address Length . . . . . 100h
Memory Address Base . . . . . C6FFDE00h
Memory Address Length . . . . . 100h
Memory Address Base . . . . . C6FFE000h
Memory Address Length . . . . . 1000h

PCI Bus Number . . . . . 1
Device Number . . . . . 10
Function Number . . . . . 00h
Slot Number . . . . . 0
Vendor ID . . . . . 0E11h
Device ID . . . . . AE32h
Revision ID . . . . . 10h
Device Type . . . . . Other Network Controller
Programming Interface . . . . . 00h
Expansion ROM Base Address . . . . . FFFF0000h
IRQ Line . . . . . 11
IRQ Pin . . . . . INTA#
IO Address Base . . . . . 2810h

```

```

IO Address Length . . . . . 10h
Memory Address Base . . . . . C6FFDDE0h
Memory Address Length . . . . . 10h

```

ProLiant 1600 is a trademark of Compaq Computer Corporation.

```

Date . . . . . 02/13/2000
Time . . . . . 15:20:12

```

```

Product . . . . . ProLiant 1850R

```

```

Machine ID
From System Board . . . . . CPQ0679

```

```

Processor . . . . . Pentium III(R) at 550 MHz
Slot . . . . . 2
Secondary Cache . . . . . 512K
CPU ID . . . . . 0673

```

```

Processor . . . . . Pentium III(R) at 550 MHz
Slot . . . . . 1
Secondary Cache . . . . . 512K
CPU ID . . . . . 0673

```

```

Processor(s) Mapped Out . . . . . None

```

```

Numeric Coprocessor . . . . . Integrated 387-Compatible

```

```

Expansion Bus . . . . . ISA, PCI

```

```

System Identification Number . . . . . D827BZQ30095

```

```

CPU Mode . . . . . Real Mode

```

```

System ROM
Revision . . . . . 07/14/1999
Family . . . . . P7
Flashable . . . . . Yes
Supports F10 partition . . . . . Yes

```

```

Video Controller ROM
Revision . . . . . 3.95

```

```

Option ROMs
Address Range . . . . . C0000 - C7FFF
Data Dump . . . . . (1998/08/26 10:10)

```

```

Address Range . . . . . E8000 - EDFFF
Data Dump . . . . . ( CPQSCSI d)

```

```

Bootblock ROM . . . . . 05/18/1998

```

```

Standby Recovery Server
Status . . . . . Disabled
COM Port . . . . . COM1
Server Configuration . . . . . Recovery
Timeout Value . . . . . 1 minutes

```


Memory Boards Identified:

System Board
DIMM Slot 1 (SDRAM) 256 Megabytes
DIMM Slot 2 (SDRAM) 256 Megabytes
DIMM Slot 3 0 Megabytes
DIMM Slot 4 0 Megabytes
Total Compaq Memory 512 Megabytes

Keyboard Enhanced

LPT Ports LPT1 (Address 3BC)

COM Ports COM1 (Address 3F8)
COM2 (Address 2F8)

Netelligent 10/100 TX Embedded UTP Controller

Device Type Other Network Controller
PCI Bus Number 0
Device Number 7
Function Number 00h
Slot Number 0
Vendor ID 0E11h
Device ID AE43h
Revision ID 10h
Programming Interface 00h
Expansion ROM Base Address FFFF0000h
IRQ Line 15
IRQ Pin INTA#
IO Address Base 2C20h
IO Address Length 10h
Memory Address Base C6CFCCF0h
Memory Address Length 10h

Compaq NC3120 Fast Ethernet NIC

Device Type Ethernet Controller
PCI Bus Number 0
Device Number 16
Function Number 00h
Slot Number 3
Vendor ID 0E11h
Device ID 1229h
Subsystem Vendor ID 0E11h
Subsystem ID B01Eh
Revision ID 05h
Programming Interface 00h
Expansion ROM Base Address FFF00000h
IRQ Line 5
IRQ Pin INTA#
Memory Address Base C4FFF000h
Memory Address Length 1000h
IO Address Base 2C00h
IO Address Length 20h
Memory Address Base C6D00000h
Memory Address Length 100000h

Compaq NC3122 Fast Ethernet NIC

Device Type Ethernet Controller
PCI Bus Number 1
Device Number 4
Function Number 00h
Slot Number 2
Vendor ID 0E11h

Device ID 1229h
Subsystem Vendor ID 0E11h
Subsystem ID B01Fh
Revision ID 05h
Programming Interface 00h
Expansion ROM Base Address FFF00000h
IRQ Line 5
IRQ Pin INTA#
Memory Address Base C6BFF000h
Memory Address Length 1000h
IO Address Base 3000h
IO Address Length 20h
Memory Address Base C6F00000h
Memory Address Length 100000h

Compaq NC3122 Fast Ethernet NIC

Device Type Ethernet Controller
PCI Bus Number 1
Device Number 5
Function Number 00h
Slot Number 2
Vendor ID 0E11h
Device ID 1229h
Subsystem Vendor ID 0E11h
Subsystem ID B01Fh
Revision ID 05h
Programming Interface 00h
Expansion ROM Base Address FFF00000h
IRQ Line 5
IRQ Pin INTA#
Memory Address Base C6BFE000h
Memory Address Length 1000h
IO Address Base 3020h
IO Address Length 20h
Memory Address Base C6E00000h
Memory Address Length 100000h

Diskette Drive A 1.44 Megabyte (3.5 inch)

Graphics Mode 03 (80-Column Text)

Primary Monitor attached to ATI RAGE IIC PCI Graphics Controller
with Video Graphics Color Monitor

Base Memory
System Total 640 Kbytes
Amount Free 597 Kbytes (612016 Bytes)

Extended Memory
System Total 523264 Kbytes

Expanded Memory
LIM Driver Support LIM driver not loaded

Operating System MS-DOS version 7.00 (from diskette)

Status of file: C:\IO.SYS
Date and Time 02/09/2000 17:05:56
Size 0 Bytes

```
Status of file: C:\MSDOS.SYS
Date and Time . . . . . 02/09/2000 17:05:56
Size . . . . . 0 Bytes
```

```
-----
** Dump of C:\CONFIG.SYS
-----
```

```
** End of file
```

```
Status of file: C:\COMMAND.COM
*** File does not exist
```

```
-----
** Dump of C:\AUTOEXEC.BAT
-----
```

```
** End of file
```

```
Environment variables
PATH=
PROMPT=$P$G
COMSPEC=A:\COMMAND.COM
CMDLINE=inspect /u
End of environment
```

```
Revisions Table
```

```
Previous Revisions
```

```
Current Revisions
```

```
I/O Board Revision . . . . . 08
Assembly Version . . . . . 1
Functional Revision Level . H
```

```
Memory Allocation (including INSPECT)
```

PSP	SIZE	NAME	TRAPPED INTERRUPTS				
----	-----	-----	-----	-----	-----	-----	-----
08D0	007200	COMMAND.COM	2Fh	2Eh	24h	23h	22h
0A9B	216448	INSPECT.EXE	3Fh	00h			

```
System Configuration Memory
```

00 - 0F :	28 00 20 00	15 00 00 13	02 00 26 82	50 80 00 00
10 - 1F :	40 00 00 00	03 80 02 00	3C 00 00 00	00 00 00 00
20 - 2F :	00 00 00 00	7F 20 20 40	00 92 00 00	00 10 02 A2
30 - 3F :	00 3C 20 80	00 00 XX XX	XX XX XX XX	XX XX XX XX

```
BIOS Data Area
```

40:0000 :	F8 03 F8 02	00 00 00 00	BC 03 00 00	00 00 06 02
40:0010 :	27 44 00 80	02 00 00 00	00 00 1E 00	1E 00 00 00
40:0020 :	00 00 00 00	00 00 00 00	00 00 00 00	00 00 00 00
40:0030 :	00 00 00 00	00 00 00 00	00 00 00 00	00 00 01 01
40:0040 :	23 00 00 00	00 2F 00 0F	02 03 50 00	00 10 00 00
40:0050 :	00 14 00 00	00 00 00 00	00 00 00 00	00 00 00 00
40:0060 :	0E 0D 00 D4	03 29 30 C2	11 45 77 00	A1 56 0F 00
40:0070 :	00 00 00 12	00 01 00 00	14 14 14 14	01 01 01 01
40:0080 :	1E 00 3E 00	18 10 00 60	F9 11 0E 01	00 00 00 05
40:0090 :	17 00 00 00	2F 00 10 00	00 00 00 00	00 00 00 00
40:00A0 :	00 00 00 00	00 00 00 00	7C 13 00 C0	00 00 00 00
40:00B0 :	00 00 00 00	00 00 00 00	00 00 00 00	00 00 00 00
40:00C0 :	00 00 00 00	00 00 00 00	00 00 00 00	00 00 00 00
40:00D0 :	00 00 00 00	00 00 00 00	00 00 00 00	00 00 00 00
40:00E0 :	00 00 00 00	00 00 00 00	00 00 00 00	00 00 00 00
40:00F0 :	00 00 00 00	00 00 00 00	00 00 00 00	00 00 00 00

```
Interrupt Vector Table (including INSPECT)
```

00 - 03 :	0AAB:0555	0070:0465	0807:0016	0070:0465
04 - 07 :	0070:0465	F000:FF54	F000:93CC	F000:9BD0
08 - 0B :	0807:001F	0807:0028	F000:9BD0	F000:9BD0
0C - 0F :	F000:9BD0	F000:9BD0	0807:009A	0070:0465
10 - 13 :	C000:12FE	F000:F84D	F000:F841	0070:03EE
14 - 17 :	F000:6ED1	0247:0240	0070:042D	F000:EPD2
18 - 1B :	F000:2334	08C8:002F	F000:FE6E	0070:045F
1C - 1F :	F000:FF53	F000:0000	0000:0522	C000:2039
20 - 23 :	00C9:0FA8	00C9:0FB2	08D0:0314	08D0:016D
24 - 27 :	08D0:0178	00C9:0FBC	00C9:0FC6	00C9:0FDD
28 - 2B :	00C9:106F	0070:0466	00C9:106F	00C9:106F
2C - 2F :	00C9:106F	00C9:106F	08D0:0162	08D1:01CC
30 - 33 :	C90F:E4EA	F000:9B00	00C9:106F	00C9:106F
34 - 37 :	00C9:106F	00C9:106F	00C9:106F	00C9:106F
38 - 3B :	00C9:106F	00C9:106F	00C9:106F	00C9:106F
3C - 3F :	00C9:106F	00C9:106F	00C9:106F	1B58:04F3
40 - 43 :	F000:EC59	0000:0000	F000:F065	C000:244C
44 - 47 :	F000:9BD0	F000:9BD0	0000:0000	F000:9BD0
48 - 4B :	F000:9BD0	F000:9BD0	F000:9BD0	F000:9BD0
4C - 4F :	F000:9BD0	F000:9BD0	F000:9BD0	0070:04FC
50 - 53 :	F000:9BD0	F000:9BD0	F000:9BD0	F000:9BD0
54 - 57 :	F000:9BD0	F000:9BD0	F000:9BD0	F000:9BD0
58 - 5B :	F000:9BD0	F000:9BD0	F000:9BD0	F000:9BD0
5C - 5F :	F000:9BD0	F000:9BD0	F000:9BD0	F000:9BD0
60 - 63 :	0000:0000	0000:0000	0000:0000	0000:0000
64 - 67 :	0000:0000	0000:0000	0000:0000	0000:0000
68 - 6B :	F000:9BD0	F000:9BD0	F000:9BD0	F000:9BD0
6C - 6F :	F000:9BD0	C000:12FE	F000:9BD0	F000:9BD0
70 - 73 :	0807:0035	F000:9C1F	0807:00B2	0807:00CA
74 - 77 :	0807:00E2	F000:9C28	0807:00FA	F000:9BD0
78 - 7B :	0000:0000	0000:0000	0000:0000	0000:0000
7C - 7F :	0000:0000	0000:0000	0000:0000	0000:0000
80 - 83 :	0000:0000	0000:0000	0000:0000	0000:0000
84 - 87 :	0000:0000	0000:0000	0000:0000	0000:0000
88 - 8B :	0000:0000	0000:0000	0000:0000	0000:0000
8C - 8F :	0000:0000	0000:0000	0000:0000	0000:0000
90 - 93 :	0000:0000	0000:0000	0000:0000	0000:0000
94 - 97 :	0000:0000	0000:0000	0000:0000	0000:0000
98 - 9B :	0000:0000	0000:0000	0000:0000	0000:0000
9C - 9F :	0000:0000	0000:0000	0000:0000	0000:0000
A0 - A3 :	0000:0000	0000:0000	0000:0000	0000:0000
A4 - A7 :	0000:0000	0000:0000	0000:0000	0000:0000
A8 - AB :	0000:0000	0000:0000	0000:0000	0000:0000
AC - AF :	0000:0000	0000:0000	0000:0000	0000:0000
B0 - B3 :	0000:0000	0000:0000	0000:0000	0000:0000
B4 - B7 :	0000:0000	0000:0000	0000:0000	0000:0000
B8 - BB :	0000:0000	0000:0000	0000:0000	0000:0000
BC - BF :	0000:0000	0000:0000	0000:0000	0000:0000
C0 - C3 :	0000:0000	0000:0000	0000:0000	0000:0000
C4 - C7 :	0000:0000	0000:0000	0000:0000	0000:0000
C8 - CB :	0000:0000	0000:0000	0000:0000	0000:0000
CC - CF :	0000:0000	0000:0000	0000:0000	0000:0000
DD - D3 :	0000:0000	0000:0000	0000:0000	0000:0000
D4 - D7 :	0000:0000	0000:0000	0000:0000	0000:0000
D8 - DB :	0000:0000	0000:0000	0000:0000	0000:0000
DC - DF :	0000:0000	0000:0000	0000:0000	0000:0000
E0 - E3 :	0000:0000	0000:0000	0000:0000	0000:0000
E4 - E7 :	0000:0000	0000:0000	0000:0000	0000:0000
E8 - EB :	0000:0000	0000:0000	0000:0000	0000:0000
EC - EF :	0000:0000	0000:0000	0000:0000	0000:0000

```

F0 - F3 : 0000:0000 0000:0000 0000:0000 0000:0000
F4 - F7 : 0000:0000 0000:0000 0000:0000 0000:0000
F8 - FB : 0000:0000 0000:0000 0000:0000 0000:0000
FC - FF : 0000:0000 0000:0000 0000:0000 0000:0000

```

PCI Devices Information

```

Signature . . . . . PCI
Config Mechanism #1 . . . . . Supported
Config Mechanism #2 . . . . . Not Supported
Spec Cycle for Config #1 . . . . . Supported
Spec Cycle for Config #2 . . . . . Not Supported
BIOS Interface Version . . . . . 2.10
Last PCI Bus Number . . . . . 1
Number of PCI Devices . . . . . 7

PCI Bus Number . . . . . 0
Device Number . . . . . 6
Function Number . . . . . 00h
Slot Number . . . . . 0
Vendor ID . . . . . 0E11h
Device ID . . . . . 000Fh
Revision ID . . . . . 14h
Device Type . . . . . SCSI Bus Controller
Programming Interface . . . . . 00h
Expansion ROM Base Address . . . . . 0h
IRQ Line . . . . . 10
IRQ Pin . . . . . INTA#
IO Address Base . . . . . 2000h
IO Address Length . . . . . 100h
Memory Address Base . . . . . C6CFCF00h
Memory Address Length . . . . . 100h
Memory Address Base . . . . . C6CFF000h
Memory Address Length . . . . . 1000h

PCI Bus Number . . . . . 0
Device Number . . . . . 6
Function Number . . . . . 01h
Slot Number . . . . . 0
Vendor ID . . . . . 0E11h
Device ID . . . . . 000Fh
Revision ID . . . . . 14h
Device Type . . . . . SCSI Bus Controller
Programming Interface . . . . . 00h
Expansion ROM Base Address . . . . . 0h
IRQ Line . . . . . 11
IRQ Pin . . . . . INTB#
IO Address Base . . . . . 2400h
IO Address Length . . . . . 100h
Memory Address Base . . . . . C6CFCE00h
Memory Address Length . . . . . 100h
Memory Address Base . . . . . C6CFE000h
Memory Address Length . . . . . 1000h

PCI Bus Number . . . . . 0
Device Number . . . . . 7
Function Number . . . . . 00h
Slot Number . . . . . 0
Vendor ID . . . . . 0E11h
Device ID . . . . . AE43h
Revision ID . . . . . 10h
Device Type . . . . . Other Network Controller
Programming Interface . . . . . 00h
Expansion ROM Base Address . . . . . FFFF0000h

```

```

IRQ Line . . . . . 15
IRQ Pin . . . . . INTA#
IO Address Base . . . . . 2C20h
IO Address Length . . . . . 10h
Memory Address Base . . . . . C6CFCCF0h
Memory Address Length . . . . . 10h

PCI Bus Number . . . . . 0
Device Number . . . . . 8
Function Number . . . . . 00h
Slot Number . . . . . 0
Vendor ID . . . . . 1002h
Device ID . . . . . 4756h
Revision ID . . . . . 3Ah
Device Type . . . . . VGA Compatible Controller
Programming Interface . . . . . 00h
Expansion ROM Base Address . . . . . FFFE0000h
IRQ Line . . . . . 255
IRQ Pin . . . . . Not Used
Memory Address Base . . . . . C5000000h
Memory Address Length . . . . . 1000000h
IO Address Base . . . . . 2800h
IO Address Length . . . . . 100h
Memory Address Base . . . . . C6CFD000h
Memory Address Length . . . . . 1000h

PCI Bus Number . . . . . 0
Device Number . . . . . 16
Function Number . . . . . 00h
Slot Number . . . . . 3
Vendor ID . . . . . 0E11h
Device ID . . . . . 1229h
Revision ID . . . . . 05h
Device Type . . . . . Ethernet Controller
Programming Interface . . . . . 00h
Expansion ROM Base Address . . . . . FFF00000h
IRQ Line . . . . . 5
IRQ Pin . . . . . INTA#
Memory Address Base . . . . . C4FFF000h
Memory Address Length . . . . . 1000h
IO Address Base . . . . . 2C00h
IO Address Length . . . . . 20h
Memory Address Base . . . . . C6D00000h
Memory Address Length . . . . . 1000000h

PCI Bus Number . . . . . 1
Device Number . . . . . 4
Function Number . . . . . 00h
Slot Number . . . . . 2
Vendor ID . . . . . 0E11h
Device ID . . . . . 1229h
Revision ID . . . . . 05h
Device Type . . . . . Ethernet Controller
Programming Interface . . . . . 00h
Expansion ROM Base Address . . . . . FFF00000h
IRQ Line . . . . . 5
IRQ Pin . . . . . INTA#
Memory Address Base . . . . . C6BFF000h
Memory Address Length . . . . . 1000h
IO Address Base . . . . . 3000h
IO Address Length . . . . . 20h
Memory Address Base . . . . . C6F00000h
Memory Address Length . . . . . 100000h

```

```

PCI Bus Number . . . . . 1
Device Number . . . . . 5
Function Number . . . . . 00h
Slot Number . . . . . 2
Vendor ID . . . . . 0E11h
Device ID . . . . . 1229h
Revision ID . . . . . 05h
Device Type . . . . . Ethernet Controller
Programming Interface . . . . . 00h
Expansion ROM Base Address . . . . . FFF00000h
IRQ Line . . . . . 5
IRQ Pin . . . . . INTA#
Memory Address Base . . . . . C6BFE000h
Memory Address Length . . . . . 1000h
IO Address Base . . . . . 3020h
IO Address Length . . . . . 20h
Memory Address Base . . . . . C6E00000h
Memory Address Length . . . . . 100000h

```

ProLiant 1850R is a trademark of Compaq Computer Corporation.

```

Date . . . . . 02/13/2000
Time . . . . . 12:47:31

```

Product ProLiant DL380

```

Machine ID
From System Board . . . . . CPQ0692

```

```

Processor . . . . . Pentium III(R) at 733 MHz
Slot . . . . . 2
Secondary Cache . . . . . 256K
CPU ID . . . . . 0681

```

```

Processor . . . . . Pentium III(R) at 733 MHz
Slot . . . . . 1
Secondary Cache . . . . . 256K
CPU ID . . . . . 0681

```

Processor(s) Mapped Out None

Numeric Coprocessor Integrated 387-Compatible

Expansion Bus ISA, PCI

System Identification Number D005DKN1K105

CPU Mode Real Mode

```

System ROM
Revision . . . . . 12/05/1999
Family . . . . . P17
Flashable . . . . . Yes
Supports F10 partition . . . . . Yes

```

```

Video Controller ROM
Revision . . . . . 3.96

```

```

Option ROMs
Address Range . . . . . C0000 - C7FFF
Data Dump . . . . . (1999/03/24 23:56)

Address Range . . . . . C8000 - CBFFF
Data Dump . . . . . (04/22/98 ROC ROC-LCR Option ROM/BIOS
(C) Copyri...)

```

```

Address Range . . . . . E8000 - EDFFF
Data Dump . . . . . ( CPQSCSI d)

```

Bootblock ROM 12/05/1999

```

Standby Recovery Server
Status . . . . . Disabled
COM Port . . . . . COM1
Server Configuration . . . . . Recovery
Timeout Value . . . . . 1 minutes

```

Memory Boards Identified:

```

System Board
DIMM Slot 1 (SDRAM) . . . . . 256 Megabytes
DIMM Slot 2 (SDRAM) . . . . . 256 Megabytes
DIMM Slot 3 . . . . . 0 Megabytes
DIMM Slot 4 . . . . . 0 Megabytes
Total Compaq Memory . . . . . 512 Megabytes

```

Keyboard Enhanced

LPT Ports LPT1 (Address 3BC)

```

COM Ports . . . . . COM1 (Address 3F8)
COM2 (Address 2F8)

```

```

Compaq NC3163 Fast Ethernet NIC
Device Type . . . . . Ethernet Controller
PCI Bus Number . . . . . 0
Device Number . . . . . 2
Function Number . . . . . 00h
Slot Number . . . . . 0
Vendor ID . . . . . 0E11h
Device ID . . . . . 1229h
Subsystem Vendor ID . . . . . 0E11h
Subsystem ID . . . . . B134h
Revision ID . . . . . 08h
Programming Interface . . . . . 00h
Expansion ROM Base Address . . . . . FFF00000h
IRQ Line . . . . . 11
IRQ Pin . . . . . INTA#
Memory Address Base . . . . . C3FFF000h
Memory Address Length . . . . . 1000h
IO Address Base . . . . . 2400h
IO Address Length . . . . . 40h
Memory Address Base . . . . . C3E00000h
Memory Address Length . . . . . 100000h

```

```

Netelligent 10/100TX PCI UTP Controller
Device Type . . . . . Other Network Controller
PCI Bus Number . . . . . 3
Device Number . . . . . 5

```

```

Function Number . . . . . 00h
Slot Number . . . . . 3
Vendor ID . . . . . 0E11h
Device ID . . . . . AE32h
Revision ID . . . . . 10h
Programming Interface . . . . . 00h
Expansion ROM Base Address . . . . . FFFF0000h
IRQ Line . . . . . 5
IRQ Pin . . . . . INTA#
IO Address Base . . . . . 3000h
IO Address Length . . . . . 10h
Memory Address Base . . . . . C6DFFF0h
Memory Address Length . . . . . 10h

```

```

Compaq NC3122 Fast Ethernet NIC
Device Type . . . . . Ethernet Controller
PCI Bus Number . . . . . 4
Device Number . . . . . 4
Function Number . . . . . 00h
Slot Number . . . . . 2
Vendor ID . . . . . 0E11h
Device ID . . . . . 1229h
Subsystem Vendor ID . . . . . 0E11h
Subsystem ID . . . . . B01Fh
Revision ID . . . . . 05h
Programming Interface . . . . . 00h
Expansion ROM Base Address . . . . . FFF00000h
IRQ Line . . . . . 15
IRQ Pin . . . . . INTA#
Memory Address Base . . . . . C6CF000h
Memory Address Length . . . . . 1000h
IO Address Base . . . . . 4000h
IO Address Length . . . . . 20h
Memory Address Base . . . . . C6F00000h
Memory Address Length . . . . . 100000h

```

```

Compaq NC3122 Fast Ethernet NIC
Device Type . . . . . Ethernet Controller
PCI Bus Number . . . . . 4
Device Number . . . . . 5
Function Number . . . . . 00h
Slot Number . . . . . 2
Vendor ID . . . . . 0E11h
Device ID . . . . . 1229h
Subsystem Vendor ID . . . . . 0E11h
Subsystem ID . . . . . B01Fh
Revision ID . . . . . 05h
Programming Interface . . . . . 00h
Expansion ROM Base Address . . . . . FFF00000h
IRQ Line . . . . . 5
IRQ Pin . . . . . INTA#
Memory Address Base . . . . . C6CFE000h
Memory Address Length . . . . . 1000h
IO Address Base . . . . . 4020h
IO Address Length . . . . . 20h
Memory Address Base . . . . . C6E00000h
Memory Address Length . . . . . 100000h

```

Diskette Drive A 1.44 Megabyte (3.5 inch)

```

Drive Controller 1, Compaq Integrated Smart Array Controller
IDA Firmware Revision . . . . . 1.34
Array Accelerator Memory . . . . . 8188 Kbytes
Reserved for reads . . . . . 8188 Kbytes
Accelerator Status . . . . . Enabled
Battery count . . . . . 0
Batteries charged . . . . . 0
Batteries failed . . . . . 0
Internal ProLiant . . . . . Bus 2, Rev. JB21

Logical Drive 1 . . . . . 9091 Megabyte
Fault Tolerance . . . . . Mirroring
OS Format . . . . . Multi-Sector Distribution
Drive geometry (Cyl, Hds, Sec) . . . . . 2176, 255, 32
Array Accelerator . . . . . Enabled
Logical drive in interim recovery mode.
Physical drive 8 has failed.

```

```

Hard Drive 1
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . . Undetermined
Model Number . . . . . Undetermined
Initialized for Monitoring . No

```

```

Hard Drive 2
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . . LJ456813000019100P9C
Firmware Revision 1 . . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

```

Graphics Mode 03 (80-Column Text)

Primary Monitor attached to ATI RAGE IIC PCI Graphics Controller
with Video Graphics Color Monitor

```

Base Memory
System Total . . . . . 638 Kbytes
Amount Free . . . . . 596 Kbytes (611136 Bytes)

```

```

Extended Memory
System Total . . . . . 523264 Kbytes

```

```

Expanded Memory
LIM Driver Support . . . . . LIM driver not loaded

```

Operating System MS-DOS version 7.00 (from diskette)

```

Environment variables
PATH=
PROMPT=$P$G
COMSPEC=A:\COMMAND.COM
CMDLINE=inspect /u
End of environment

```

Revisions Table

Previous Revisions

Current Revisions

Memory Allocation (including INSPECT)

PSP	SIZE	NAME	TRAPPED INTERRUPTS							
----	----	-----	-----	-----	-----	-----	-----	-----	-----	
0887	007200	COMMAND.COM	FDh	2Fh	2Eh	24h	23h	22h		
0A52	216048	INSPECT.EXE	F1h	F9h	F4h	F3h	F2h	EEh	E6h	E5h
			D4h	3Fh	00h					

System Configuration Memory

00 - 0F :	50 00 49 00	12 00 00 13	02 00 26 82	50 80 00 00
10 - 1F :	40 00 00 00	03 80 02 00	3C 00 00 00	00 00 00 02
20 - 2F :	00 00 00 00	7F 20 20 40	00 92 00 00	00 18 02 AC
30 - 3F :	00 3C 20 80	00 00 XX XX	XX XX XX XX	XX XX XX XX

BIOS Data Area

40:0000 :	F8 03 F8 02	00 00 00 00	BC 03 00 00	00 00 80 9F
40:0010 :	27 44 00 7E	02 00 00 00	00 00 1E 00	1E 00 00 00
40:0020 :	00 00 00 00	00 00 00 00	00 00 00 00	00 00 00 00
40:0030 :	00 00 00 00	00 00 00 00	00 00 00 00	00 00 01 01
40:0040 :	25 00 04 00	00 26 01 0A	02 03 50 00	00 10 00 00
40:0050 :	00 15 00 00	00 00 00 00	00 00 00 00	00 00 00 00
40:0060 :	0E 0D 00 D4	03 29 30 C2	11 05 77 00	D2 CA 0C 00
40:0070 :	00 00 00 12	00 01 00 00	14 14 14 14	01 01 01 01
40:0080 :	1E 00 3E 00	18 10 00 60	F9 11 0E 01	00 00 00 05
40:0090 :	17 00 00 00	26 00 10 00	00 00 00 00	00 00 00 00
40:00A0 :	00 00 00 00	00 00 00 00	7C 14 00 C0	00 00 00 00
40:00B0 :	00 00 00 00	00 00 00 00	00 00 00 00	00 00 00 00
40:00C0 :	00 00 00 00	00 00 00 00	00 00 00 00	00 00 00 00
40:00D0 :	00 00 00 00	00 00 00 00	00 00 00 00	00 00 00 00
40:00E0 :	00 00 00 00	00 00 00 00	00 00 00 00	00 00 00 00
40:00F0 :	00 00 00 00	00 00 00 00	00 00 00 00	00 00 00 00

Interrupt Vector Table (including INSPECT)

00 - 03 :	0A62:0555	0070:0465	07BE:0016	0070:0465
04 - 07 :	0070:0465	F000:FF54	F000:93CC	F000:9BD0
08 - 0B :	07BE:001F	F000:0028	F000:9BD0	F000:9BD0
0C - 0F :	F000:9BD0	F000:9BD0	07BE:009A	0070:0465
10 - 13 :	C000:13FE	F000:F84D	F000:F841	0070:03EE
14 - 17 :	F000:6EA9	0204:0240	0070:042D	F000:EFD2
18 - 1B :	F000:2073	087F:002F	F000:FE6E	0070:045F
1C - 1F :	F000:FF53	F000:0000	0000:0522	C000:2143
20 - 23 :	00C9:0FAB	00C9:0FB2	0887:0314	0887:016D
24 - 27 :	0887:0178	00C9:0FBC	00C9:0FC6	00C9:0FD0
28 - 2B :	00C9:106F	0070:0466	00C9:106F	00C9:106F
2C - 2F :	00C9:106F	00C9:106F	0887:0162	0888:01CC
30 - 33 :	C90F:E4EA	F000:9B00	00C9:106F	00C9:106F
34 - 37 :	00C9:106F	00C9:106F	00C9:106F	00C9:106F
38 - 3B :	00C9:106F	00C9:106F	00C9:106F	00C9:106F
3C - 3F :	00C9:106F	00C9:106F	00C9:106F	1B0F:04F3
40 - 43 :	F000:EC59	C81F:01C6	F000:F065	C000:2556
44 - 47 :	F000:9BD0	F000:9BD0	0000:0000	F000:9BD0
48 - 4B :	F000:9BD0	F000:9BD0	F000:9BD0	F000:9BD0
4C - 4F :	F000:9BD0	F000:9BD0	F000:9BD0	0070:04FC
50 - 53 :	F000:9BD0	F000:9BD0	F000:9BD0	F000:9BD0
54 - 57 :	F000:9BD0	F000:9BD0	F000:9BD0	F000:9BD0
58 - 5B :	F000:9BD0	F000:9BD0	F000:9BD0	F000:9BD0
5C - 5F :	F000:9BD0	F000:9BD0	F000:9BD0	F000:9BD0
60 - 63 :	0000:0000	0000:0000	0000:0000	0000:0000
64 - 67 :	0000:0000	0000:0000	0000:0000	0000:0000
68 - 6B :	F000:9BD0	F000:9BD0	F000:9BD0	F000:9BD0
6C - 6F :	F000:9BD0	C000:13FE	F000:9BD0	F000:9BD0

70 - 73 :	07BE:0035	F000:9C1F	07BE:00B2	F000:9BD0
74 - 77 :	07BE:00E2	F000:9C28	07BE:00FA	F000:9BD0
78 - 7B :	0000:0000	0000:0000	0000:0000	0000:0000
7C - 7F :	0000:0000	0000:0000	0000:0000	0000:0000
80 - 83 :	0000:0000	0000:0000	0000:0000	0000:0000
84 - 87 :	0000:0000	0000:0000	0000:0000	0000:0000
88 - 8B :	0000:0000	0000:0000	0000:0000	0000:0000
8C - 8F :	0000:0000	0000:0000	0000:0000	0000:0000
90 - 93 :	0000:0000	0000:0000	0000:0000	0000:0000
94 - 97 :	0000:0000	0000:0000	0000:0000	0000:0000
98 - 9B :	0000:0000	0000:0000	0000:0000	0000:0000
9C - 9F :	0000:0000	0000:0000	0000:0000	0000:0000
A0 - A3 :	0000:0000	0000:0000	0000:0000	0000:0000
A4 - A7 :	0000:0000	0000:0000	0000:0000	0000:0000
A8 - AB :	0000:0000	0000:0000	0000:0000	0000:0000
AC - AF :	0000:0000	0000:0000	0000:0000	0000:0000
B0 - B3 :	0000:0000	0000:0000	0000:0000	0000:0000
B4 - B7 :	0000:0000	0000:0000	0000:0000	0000:0000
B8 - BB :	0000:0000	0000:0000	0000:0000	0000:0000
BC - BF :	0000:0000	0000:0000	0000:0000	0000:0000
C0 - C3 :	0000:0000	0000:0000	0000:0000	0000:0000
C4 - C7 :	0000:0000	0000:0000	0000:0000	0000:0000
C8 - CB :	0000:0000	0000:0000	0000:0000	0000:0000
CC - CF :	0000:0000	0000:0000	0000:0000	0000:0000
D0 - D3 :	0000:0000	0000:0000	0087:0000	0087:0000
D4 - D7 :	2013:0000	0026:0000	0000:0000	0000:0002
D8 - DB :	0013:0000	0000:0000	0000:200B	0000:0BD6
DC - DF :	0013:0000	0000:0000	0000:200B	0000:0100
E0 - E3 :	0000:0BF0	0000:200A	0000:0000	0000:031E
E4 - E7 :	0000:0012	2000:00D0	0001:A5E1	0000:0051
E8 - EB :	0000:00E8	0000:0000	0083:0020	0002:1E9F
EC - EF :	0006:1E9D	0046:2400	2400:1F76	0046:0087
F0 - F3 :	0010:13C1	9015:1DA4	1DA4:13C1	1400:8E72
F4 - F7 :	1CDA:0246	0101:7387	0000:0000	0000:613D
F8 - FB :	613D:0020	15B7:6443	000E:0003	0000:09E3
FC - FF :	0286:09C0	09C0:0000	F984:0049	0003:09E3

PCI Devices Information

Signature	PCI
Config Mechanism #1	Supported
Config Mechanism #2	Not Supported
Spec Cycle for Config #1	Supported
Spec Cycle for Config #2	Not Supported
BIOS Interface Version	2.10
Last PCI Bus Number	4
Number of PCI Devices	6
PCI Bus Number	0
Device Number	1
Function Number	00h
Slot Number	0
Vendor ID	0E11h
Device ID	0010h
Revision ID	02h
Device Type	RAID Controller
Programming Interface	00h
Expansion ROM Base Address	FFF80000h
IRQ Line	10
IRQ Pin	INTA#
IO Address Base	2000h
IO Address Length	100h
Memory Address Base	C5000000h
Memory Address Length	1000000h

```

Memory Address Base . . . . . C400000h
Memory Address Length . . . . . 100000h

PCI Bus Number . . . . . 0
Device Number . . . . . 2
Function Number . . . . . 00h
Slot Number . . . . . 0
Vendor ID . . . . . 0E11h
Device ID . . . . . 1229h
Revision ID . . . . . 08h
Device Type . . . . . Ethernet Controller
Programming Interface . . . . . 00h
Expansion ROM Base Address . . . . . FFF0000h
IRQ Line . . . . . 11
IRQ Pin . . . . . INTA#
Memory Address Base . . . . . C3FFF00h
Memory Address Length . . . . . 1000h
IO Address Base . . . . . 2400h
IO Address Length . . . . . 40h
Memory Address Base . . . . . C3E0000h
Memory Address Length . . . . . 100000h

PCI Bus Number . . . . . 0
Device Number . . . . . 3
Function Number . . . . . 00h
Slot Number . . . . . 0
Vendor ID . . . . . 1002h
Device ID . . . . . 4756h
Revision ID . . . . . 7Ah
Device Type . . . . . VGA Compatible Controller
Programming Interface . . . . . 00h
Expansion ROM Base Address . . . . . FFFE000h
IRQ Line . . . . . 255
IRQ Pin . . . . . Not Used
Memory Address Base . . . . . C200000h
Memory Address Length . . . . . 100000h
IO Address Base . . . . . 2800h
IO Address Length . . . . . 100h
Memory Address Base . . . . . C3DFF00h
Memory Address Length . . . . . 1000h

PCI Bus Number . . . . . 3
Device Number . . . . . 5
Function Number . . . . . 00h
Slot Number . . . . . 3
Vendor ID . . . . . 0E11h
Device ID . . . . . AE32h
Revision ID . . . . . 10h
Device Type . . . . . Other Network Controller
Programming Interface . . . . . 00h
Expansion ROM Base Address . . . . . FFFF000h
IRQ Line . . . . . 5
IRQ Pin . . . . . INTA#
IO Address Base . . . . . 3000h
IO Address Length . . . . . 10h
Memory Address Base . . . . . C6DFFF0h
Memory Address Length . . . . . 10h

PCI Bus Number . . . . . 4
Device Number . . . . . 4
Function Number . . . . . 00h
Slot Number . . . . . 2
Vendor ID . . . . . 0E11h

```

```

Device ID . . . . . 1229h
Revision ID . . . . . 05h
Device Type . . . . . Ethernet Controller
Programming Interface . . . . . 00h
Expansion ROM Base Address . . . . . FFF0000h
IRQ Line . . . . . 15
IRQ Pin . . . . . INTA#
Memory Address Base . . . . . C6CFF00h
Memory Address Length . . . . . 1000h
IO Address Base . . . . . 4000h
IO Address Length . . . . . 20h
Memory Address Base . . . . . C6F0000h
Memory Address Length . . . . . 100000h

PCI Bus Number . . . . . 4
Device Number . . . . . 5
Function Number . . . . . 00h
Slot Number . . . . . 2
Vendor ID . . . . . 0E11h
Device ID . . . . . 1229h
Revision ID . . . . . 05h
Device Type . . . . . Ethernet Controller
Programming Interface . . . . . 00h
Expansion ROM Base Address . . . . . FFF0000h
IRQ Line . . . . . 5
IRQ Pin . . . . . INTA#
Memory Address Base . . . . . C6CFE00h
Memory Address Length . . . . . 1000h
IO Address Base . . . . . 4020h
IO Address Length . . . . . 20h
Memory Address Base . . . . . C6E0000h
Memory Address Length . . . . . 100000h

```

Proliant DL380 is a trademark of Compaq Computer Corporation.

SUT System Configuration

```

Date . . . . . 02/13/2000
Time . . . . . 14:10:42

Product . . . . . PROLIANT 8500

Machine ID
  From System Board . . . . . CPQ1608

Processor . . . . . Pentium III(R) Xeon at 550 MHz
  Slot . . . . . 8
  Secondary Cache . . . . . 2048K
  CPU ID . . . . . 0673

Processor . . . . . Pentium III(R) Xeon at 550 MHz
  Slot . . . . . 7
  Secondary Cache . . . . . 2048K
  CPU ID . . . . . 0673

Processor . . . . . Pentium III(R) Xeon at 550 MHz
  Slot . . . . . 6
  Secondary Cache . . . . . 2048K

```

```

CPU ID . . . . . 0673

Processor . . . . . Pentium III(R) Xeon at 550 MHz
Slot . . . . . 5
Secondary Cache . . . . . 2048K
CPU ID . . . . . 0673

Processor . . . . . Pentium III(R) Xeon at 550 MHz
Slot . . . . . 4
Secondary Cache . . . . . 2048K
CPU ID . . . . . 0673

Processor . . . . . Pentium III(R) Xeon at 550 MHz
Slot . . . . . 3
Secondary Cache . . . . . 2048K
CPU ID . . . . . 0673

Processor . . . . . Pentium III(R) Xeon at 550 MHz
Slot . . . . . 2
Secondary Cache . . . . . 2048K
CPU ID . . . . . 0673

Processor . . . . . Pentium III(R) Xeon at 550 MHz
Slot . . . . . 1
Secondary Cache . . . . . 2048K
CPU ID . . . . . 0673

Processor(s) Mapped Out . . . . . None

Numeric Coprocessor . . . . . Integrated 387-Compatible

Expansion Bus . . . . . ISA, PCI

System Identification Number . . . . . D932BX71A010

CPU Mode . . . . . Real Mode

System ROM
Revision . . . . . 10/11/1999
Family . . . . . P42
Flashable . . . . . Yes
Supports F10 partition . . . . . Yes

Video Controller ROM
Revision . . . . . 3.96

Option ROMs
Address Range . . . . . C0000 - C7FFF
Data Dump . . . . . (1998/10/08 15:41)

Address Range . . . . . C8000 - CBFFF
Data Dump . . . . . (04/22/98 SurefireSmart Array Option ROM/BIOS
(C) Co...)

Address Range . . . . . CC000 - CFFFF
Data Dump . . . . . (04/22/98 ROC ROC-LCR Option ROM/BIOS
(C) Copyri...)

Address Range . . . . . E8000 - EDFFF
Data Dump . . . . . ( CPQSCSI d)

Bootblock ROM . . . . . 04/19/1999

```

```

Standby Recovery Server
Status . . . . . Disabled
COM Port . . . . . COM1
Server Configuration . . . . . Recovery
Timeout Value . . . . . 1 minutes

```

Memory Boards Identified:

```

Expansion Board
Bank 1 (SDRAM) . . . . . 1024 Megabytes
Bank 2 (SDRAM) . . . . . 1024 Megabytes
Bank 3 (SDRAM) . . . . . 1024 Megabytes
Bank 4 (SDRAM) . . . . . 1024 Megabytes
Bank 5 . . . . . 0 Megabytes
Bank 6 . . . . . 0 Megabytes
Bank 7 . . . . . 0 Megabytes
Bank 8 . . . . . 0 Megabytes
Total Compaq Memory . . . . . 4096 Megabytes

```

```
Keyboard . . . . . Enhanced
```

```
LPT Ports . . . . . LPT1 (Address 378)
```

```
COM Ports . . . . . COM1 (Address 3F8)
COM2 (Address 2F8)
```

Compaq NC3131 Fast Ethernet NIC

```

Device Type . . . . . Ethernet Controller
PCI Bus Number . . . . . 6
Device Number . . . . . 4
Function Number . . . . . 00h
Slot Number . . . . . 1
Vendor ID . . . . . 0E11h
Device ID . . . . . 1229h
Subsystem Vendor ID . . . . . 0E11h
Subsystem ID . . . . . B0DDh
Revision ID . . . . . 05h
Programming Interface . . . . . 00h
Expansion ROM Base Address . . . . . 0h
IRQ Line . . . . . 15
IRQ Pin . . . . . INTA#
Memory Address Base . . . . . F3CF0000h
Memory Address Length . . . . . 1000h
IO Address Base . . . . . 5000h
IO Address Length . . . . . 20h
Memory Address Base . . . . . F3F00000h
Memory Address Length . . . . . 100000h

```

Compaq NC3131 Fast Ethernet NIC

```

Device Type . . . . . Ethernet Controller
PCI Bus Number . . . . . 6
Device Number . . . . . 5
Function Number . . . . . 00h
Slot Number . . . . . 1
Vendor ID . . . . . 0E11h
Device ID . . . . . 1229h
Subsystem Vendor ID . . . . . 0E11h
Subsystem ID . . . . . B0DDh
Revision ID . . . . . 05h
Programming Interface . . . . . 00h
Expansion ROM Base Address . . . . . 0h
IRQ Line . . . . . 15

```


IRQ Pin INTA#
Memory Address Base F3CE000h
Memory Address Length 1000h
IO Address Base 5020h
IO Address Length 20h
Memory Address Base F3E0000h
Memory Address Length 100000h

Other Network Controller

PCI Bus Number 13
Device Number 1
Function Number 00h
Slot Number 10
Vendor ID 10E4h
Device ID 0005h
Subsystem Vendor ID 10E4h
Subsystem ID 0000h
Revision ID 00h
Programming Interface 00h
Expansion ROM Base Address 0h
IRQ Line 15
IRQ Pin INTA#
Memory Address Base F7DF0000h
Memory Address Length 1000h
Memory Address Base F7DE0000h
Memory Address Length 10000h
Memory Address Base F4000000h
Memory Address Length 2000000h

Compaq NC3131 Fast Ethernet NIC

Device Type Ethernet Controller
PCI Bus Number 14
Device Number 4
Function Number 00h
Slot Number 11
Vendor ID 0E11h
Device ID 1229h
Subsystem Vendor ID 0E11h
Subsystem ID B0DDh
Revision ID 05h
Programming Interface 00h
Expansion ROM Base Address 0h
IRQ Line 15
IRQ Pin INTA#
Memory Address Base F7CF0000h
Memory Address Length 1000h
IO Address Base 6000h
IO Address Length 20h
Memory Address Base F7F00000h
Memory Address Length 100000h

Compaq NC3131 Fast Ethernet NIC

Device Type Ethernet Controller
PCI Bus Number 14
Device Number 5
Function Number 00h
Slot Number 11
Vendor ID 0E11h
Device ID 1229h
Subsystem Vendor ID 0E11h

Subsystem ID B0DDh
Revision ID 05h
Programming Interface 00h
Expansion ROM Base Address 0h
IRQ Line 15
IRQ Pin INTA#
Memory Address Base F7CE0000h
Memory Address Length 1000h
IO Address Base 6020h
IO Address Length 20h
Memory Address Base F7E00000h
Memory Address Length 100000h

Diskette Drive A 1.44 Megabyte (3.5 inch)

Drive Controller 1, Compaq Integrated Smart Array Controller

IDA Firmware Revision 1.34
Array Accelerator Memory 8188 Kbytes
Reserved for reads 8188 Kbytes
Accelerator Status Enabled
Battery count 0
Batteries charged 0
Batteries failed 0
Internal ProLiant Bus 2, Rev. JB21

Logical Drive 1 9091 Megabyte
Fault Tolerance Mirroring
OS Format Multi-Sector Distribution
Drive geometry (Cyl, Hds, Sec) 2176, 255, 32
Array Accelerator Enabled

Hard Drive 1
SCSI Bus 2
SCSI ID 0
Serial Number NJ04135100001845J3GR
Firmware Revision 1 3207
Model Number COMPAQ HD0093172C
Initialized for Monitoring Yes

Hard Drive 2
SCSI Bus 2
SCSI ID 1
Serial Number LS730309000010192BKE
Firmware Revision 1 3B07
Model Number COMPAQ BD009122BA
Initialized for Monitoring Yes
Reference time 53580
Sectors read *3452580079
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 58614745
Hard write errors 0
Write errors retry 0
Seek count 180048
Seek errors 0
Spin cycles 3
Spin up time 0
Seek time track 47%
Seek time third 69%
Seek time full 71%

```

Reallocated sectors . . . 419
Recovers read failed . . . 0
Bus faults . . . . . 0

Drive Controller 2, Compaq Smart Array 4200 Controller
IDA Firmware Revision . . . . 1.10
Array Accelerator Memory . . . 57344 Kbytes
  Reserved for reads . . . . 28672 Kbytes
  Reserved for writes . . . . 28672 Kbytes
Accelerator Status . . . . . Enabled
Battery count . . . . . 3
Batteries charged . . . . . 3
Batteries failed . . . . . 0
ProLiant . . . . . Bus 1, Rev. JB46
ProLiant . . . . . Bus 2, Rev. JB46
ProLiant . . . . . Bus 3, Rev. JB46

Logical Drive 1 . . . . . 32031 Megabyte
Fault Tolerance . . . . . None
OS Format . . . . . Multi-Sector Distribution
Drive geometry (Cyl, Hds, Sec) 7667, 255, 32
Array Accelerator . . . . . Disabled

Hard Drive 1
SCSI Bus . . . . . 1
SCSI ID . . . . . 0
Serial Number . . . . . B3093197
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 82750
  Sectors read . . . . . *1143839752
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 180172118
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 288473
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 68%
  Seek time full . . . . . 71%
  Reallocated sectors . . . . 36
  Recovers read failed . . . 0
  Bus faults . . . . . 0

Hard Drive 2
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . . B3093195
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 82750
  Sectors read . . . . . *1143272560
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 181028325
  Hard write errors . . . . . 0

```

```

Write errors retry . . . . . 0
Seek count . . . . . 284768
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 72%
Reallocated sectors . . . . 27
Recovers read failed . . . 0
Bus faults . . . . . 0

Hard Drive 3
SCSI Bus . . . . . 1
SCSI ID . . . . . 2
Serial Number . . . . . B3093201
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 82750
  Sectors read . . . . . *1142589170
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 179540490
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 282480
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 68%
  Seek time full . . . . . 71%
  Reallocated sectors . . . . 32
  Recovers read failed . . . 0
  Bus faults . . . . . 0

Hard Drive 4
SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . . LS73449600001020H247
Firmware Revision 1 . . . . . 3B07
Model Number . . . . . COMPAQ BD009122BA
Initialized for Monitoring . Yes
  Reference time . . . . . 15447
  Sectors read . . . . . 883313078
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 81950432
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 60896
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 47%
  Seek time third . . . . . 69%
  Seek time full . . . . . 71%
  Reallocated sectors . . . . 5450
  Recovers read failed . . . 0
  Bus faults . . . . . 0

```

Hard Drive 5
SCSI Bus 1
SCSI ID 4
Serial Number LS81652000010211C1F
Firmware Revision 1 3B07
Model Number COMPAQ BD009122BA
Initialized for Monitoring . No

Hard Drive 6
SCSI Bus 1
SCSI ID 5
Serial Number B3093005
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82750
Sectors read *1143043156
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 179835770
Hard write errors 0
Write errors retry 0
Seek count 284768
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 71%
Seek time full 73%
Reallocated sectors 83
Recovers read failed 0
Bus faults 0

Hard Drive 7
SCSI Bus 1
SCSI ID 1
Serial Number B3093065
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82751
Sectors read *1143509438
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 179922067
Hard write errors 0
Write errors retry 0
Seek count 284768
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 68%
Seek time full 70%
Reallocated sectors 32
Recovers read failed 0
Bus faults 0

Hard Drive 8
SCSI Bus 1

SCSI ID 2
Serial Number B3092107
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82751
Sectors read *1142838175
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 179670595
Hard write errors 0
Write errors retry 0
Seek count 289502
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 73%
Seek time full 74%
Reallocated sectors 134
Recovers read failed 0
Bus faults 0

Hard Drive 9
SCSI Bus 1
SCSI ID 3
Serial Number B3079991
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82751
Sectors read *1145497817
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 179145180
Hard write errors 0
Write errors retry 0
Seek count 294448
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 71%
Seek time full 72%
Reallocated sectors 24
Recovers read failed 0
Bus faults 0

Hard Drive 10
SCSI Bus 1
SCSI ID 4
Serial Number B3093217
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82751
Sectors read *1142861920
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 179776471

Hard write errors 0
Write errors retry 0
Seek count 287936
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 72%
Seek time full 72%
Reallocated sectors 24
Recovers read failed 0
Bus faults 0

Hard Drive 11
SCSI Bus 1
SCSI ID 5
Serial Number B3093442
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82751
Sectors read *1142948241
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 179958708
Hard write errors 0
Write errors retry 0
Seek count 286528
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 72%
Seek time full 73%
Reallocated sectors 301
Recovers read failed 0
Bus faults 0

Hard Drive 12
SCSI Bus 1
SCSI ID 6
Serial Number B3092763
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82751
Sectors read *1142703409
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 179591494
Hard write errors 0
Write errors retry 0
Seek count 285824
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 71%
Seek time full 72%
Reallocated sectors 49
Recovers read failed 0

Bus faults 0
Hard Drive 13
SCSI Bus 1
SCSI ID 0
Serial Number B3094871
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82751
Sectors read *1142887121
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 179498581
Hard write errors 0
Write errors retry 0
Seek count 284416
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 72%
Seek time full 72%
Reallocated sectors 12
Recovers read failed 0
Bus faults 0

Hard Drive 14
SCSI Bus 1
SCSI ID 1
Serial Number B3091319
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82751
Sectors read *1143771873
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 180129214
Hard write errors 0
Write errors retry 0
Seek count 282832
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 68%
Seek time full 71%
Reallocated sectors 15
Recovers read failed 0
Bus faults 0

Hard Drive 15
SCSI Bus 2
SCSI ID 0
Serial Number B3100054
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82751
Sectors read *1143594794

Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 179651093
 Hard write errors 0
 Write errors retry 0
 Seek count 282832
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 71%
 Seek time full 72%
 Reallocated sectors 39
 Recovers read failed 0
 Bus faults 0

Hard Drive 16
 SCSI Bus 2
 SCSI ID 1
 Serial Number B3093287
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 82751
 Sectors read *1141340220
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 178884399
 Hard write errors 0
 Write errors retry 0
 Seek count 281776
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 69%
 Seek time full 71%
 Reallocated sectors 3
 Recovers read failed 0
 Bus faults 0

Hard Drive 17
 SCSI Bus 2
 SCSI ID 2
 Serial Number B3093718
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 82751
 Sectors read *1143006976
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 180045402
 Hard write errors 0
 Write errors retry 0
 Seek count 278432
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%

Seek time third 69%
 Seek time full 71%
 Reallocated sectors 33
 Recovers read failed 0
 Bus faults 0

Hard Drive 18
 SCSI Bus 2
 SCSI ID 3
 Serial Number B3099330
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 82751
 Sectors read *1142104313
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 179271431
 Hard write errors 0
 Write errors retry 0
 Seek count 279136
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 69%
 Seek time full 71%
 Reallocated sectors 48
 Recovers read failed 0
 Bus faults 0

Hard Drive 19
 SCSI Bus 2
 SCSI ID 4
 Serial Number B3100062
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 82751
 Sectors read *1140770151
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 179802124
 Hard write errors 0
 Write errors retry 0
 Seek count 281072
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 72%
 Seek time full 72%
 Reallocated sectors 117
 Recovers read failed 0
 Bus faults 0

Hard Drive 20
 SCSI Bus 2
 SCSI ID 5
 Serial Number B3093307
 Firmware Revision 1 B016

Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 82751
 Sectors read *1143031171
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 179830797
 Hard write errors 0
 Write errors retry 0
 Seek count 280896
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 69%
 Seek time full 71%
 Reallocated sectors 39
 Recovers read failed 0
 Bus faults 0

Hard Drive 21
 SCSI Bus 2
 SCSI ID 1
 Serial Number B3100061
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 82751
 Sectors read *1142056864
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 179118256
 Hard write errors 0
 Write errors retry 0
 Seek count 281952
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 40%
 Seek time third 69%
 Seek time full 71%
 Reallocated sectors 74
 Recovers read failed 0
 Bus faults 0

Hard Drive 22
 SCSI Bus 2
 SCSI ID 2
 Serial Number B3099876
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 82751
 Sectors read *1143497310
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 181867148
 Hard write errors 0
 Write errors retry 0
 Seek count 282832

Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 68%
 Seek time full 71%
 Reallocated sectors 6
 Recovers read failed 0
 Bus faults 0

Hard Drive 23
 SCSI Bus 2
 SCSI ID 3
 Serial Number B3091040
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 82751
 Sectors read *1142709713
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 183082676
 Hard write errors 0
 Write errors retry 0
 Seek count 283360
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 72%
 Seek time full 73%
 Reallocated sectors 29
 Recovers read failed 0
 Bus faults 0

Hard Drive 24
 SCSI Bus 2
 SCSI ID 4
 Serial Number B3090060
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 82751
 Sectors read *1143388747
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 182099442
 Hard write errors 0
 Write errors retry 0
 Seek count 282304
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 72%
 Seek time full 73%
 Reallocated sectors 120
 Recovers read failed 0
 Bus faults 0

Hard Drive 25

```

SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . . B3092849
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 82751
  Sectors read . . . . . *1158430210
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 181847588
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 280192
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 73%
  Seek time full . . . . . 73%
  Reallocated sectors . . . . . 19
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 26
SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . . B3093178
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 82751
  Sectors read . . . . . *1143826831
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 181877585
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 280544
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 69%
  Seek time full . . . . . 71%
  Reallocated sectors . . . . . 18
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 27
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . . B3093149
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 82751
  Sectors read . . . . . *1143582687
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0

```

```

Sectors written . . . . . 182268422
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 282480
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 71%
Seek time full . . . . . 73%
Reallocated sectors . . . . . 29
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 28
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . . B3093868
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 82751
  Sectors read . . . . . *1142304318
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 181426733
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 281248
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 71%
  Seek time full . . . . . 72%
  Reallocated sectors . . . . . 41
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 29
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . . B3092765
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 82751
  Sectors read . . . . . *1143563826
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 181750941
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 281072
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 69%
  Seek time full . . . . . 71%
  Reallocated sectors . . . . . 18

```

```

Recovers read failed . . . 0
Bus faults . . . . . 0

Hard Drive 30
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . . B3092483
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82751
Sectors read . . . . . *1142691812
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 185693799
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 276496
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 71%
Seek time full . . . . . 72%
Reallocated sectors . . . . . 48
Recovers read failed . . . 0
Bus faults . . . . . 0

Hard Drive 31
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . . B3092635
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82751
Sectors read . . . . . *1144845548
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 182229209
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 279664
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 71%
Seek time full . . . . . 73%
Reallocated sectors . . . . 379
Recovers read failed . . . 0
Bus faults . . . . . 0

Hard Drive 32
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . . B3093105
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82751

```

```

Sectors read . . . . . *1143141535
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 182068059
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 277376
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . . 49
Recovers read failed . . . 0
Bus faults . . . . . 0

Hard Drive 33
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . . B3095614
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82751
Sectors read . . . . . *1142230058
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 181274638
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 282128
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 72%
Seek time full . . . . . 72%
Reallocated sectors . . . . 113
Recovers read failed . . . 0
Bus faults . . . . . 0

Hard Drive 34
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . . B3092828
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82751
Sectors read . . . . . *1142959876
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 181633781
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 282128
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0

```


Seek time track 36%
Seek time third 69%
Seek time full 72%
Reallocated sectors 84
Recovers read failed 0
Bus faults 0

Hard Drive 35
SCSI Bus 2
SCSI ID 1
Serial Number B3092111
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82751
Sectors read *1142322293
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 181470874
Hard write errors 0
Write errors retry 0
Seek count 281248
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 71%
Seek time full 72%
Reallocated sectors 35
Recovers read failed 0
Bus faults 0

Hard Drive 36
SCSI Bus 2
SCSI ID 2
Serial Number B3093326
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82751
Sectors read *1142686841
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 181492839
Hard write errors 0
Write errors retry 0
Seek count 281248
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 72%
Seek time full 72%
Reallocated sectors 35
Recovers read failed 0
Bus faults 0

Hard Drive 37
SCSI Bus 2
SCSI ID 3
Serial Number B3094251

Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82751
Sectors read *1141958192
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 180857967
Hard write errors 0
Write errors retry 0
Seek count 281424
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 69%
Seek time full 71%
Reallocated sectors 15
Recovers read failed 0
Bus faults 0

Hard Drive 38
SCSI Bus 2
SCSI ID 4
Serial Number B3092532
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82751
Sectors read *1143550933
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 182010860
Hard write errors 0
Write errors retry 0
Seek count 281776
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 72%
Seek time full 73%
Reallocated sectors 138
Recovers read failed 0
Bus faults 0

Hard Drive 39
SCSI Bus 2
SCSI ID 5
Serial Number B3099967
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82751
Sectors read *1143625993
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 181903730
Hard write errors 0
Write errors retry 0

Seek count 280016
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 40%
Seek time third 71%
Seek time full 72%
Reallocated sectors 22
Recovers read failed 0
Bus faults 0

Hard Drive 40
SCSI Bus 2
SCSI ID 6
Serial Number B3093037
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82751
Sectors read *1144349625
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 179978076
Hard write errors 0
Write errors retry 0
Seek count 279488
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 68%
Seek time full 70%
Reallocated sectors 33
Recovers read failed 0
Bus faults 0

Hard Drive 41
SCSI Bus 2
SCSI ID 0
Serial Number B3093209
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82751
Sectors read *1143315709
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 181616218
Hard write errors 0
Write errors retry 0
Seek count 281072
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 69%
Seek time full 71%
Reallocated sectors 104
Recovers read failed 0
Bus faults 0

Hard Drive 42
SCSI Bus 2
SCSI ID 1
Serial Number B3080003
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82751
Sectors read *1142848711
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 181515121
Hard write errors 0
Write errors retry 0
Seek count 280896
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 32%
Seek time third 69%
Seek time full 71%
Reallocated sectors 36
Recovers read failed 0
Bus faults 0

Logical Drive 2 26211 Megabyte
Fault Tolerance None
OS Format Multi-Sector Distribution
Drive geometry (Cyl, Hds, Sec) 6274, 255, 32
Array Accelerator Disabled

Hard Drive 1
SCSI Bus 1
SCSI ID 0
Serial Number B3093197
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82751
Sectors read *1143839752
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 180172118
Hard write errors 0
Write errors retry 0
Seek count 288649
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 68%
Seek time full 71%
Reallocated sectors 36
Recovers read failed 0
Bus faults 0

Hard Drive 2
SCSI Bus 1
SCSI ID 1
Serial Number B3093195
Firmware Revision 1 B016

Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 82751
 Sectors read *1143272560
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 181028325
 Hard write errors 0
 Write errors retry 0
 Seek count 284944
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 69%
 Seek time full 72%
 Reallocated sectors 27
 Recovers read failed 0
 Bus faults 0

Hard Drive 3
 SCSI Bus 1
 SCSI ID 2
 Serial Number B3093201
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 82751
 Sectors read *1142589170
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 179540490
 Hard write errors 0
 Write errors retry 0
 Seek count 282656
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 68%
 Seek time full 71%
 Reallocated sectors 32
 Recovers read failed 0
 Bus faults 0

Hard Drive 4
 SCSI Bus 1
 SCSI ID 3
 Serial Number LS73449600001020H247
 Firmware Revision 1 3B07
 Model Number COMPAQ BD009122BA
 Initialized for Monitoring . Yes
 Reference time 15448
 Sectors read 883313078
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 81950432
 Hard write errors 0
 Write errors retry 0
 Seek count 61072

Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 47%
 Seek time third 69%
 Seek time full 71%
 Reallocated sectors 5450
 Recovers read failed 0
 Bus faults 0

Hard Drive 5
 SCSI Bus 1
 SCSI ID 4
 Serial Number LS816520000010211C1F
 Firmware Revision 1 3B07
 Model Number COMPAQ BD009122BA
 Initialized for Monitoring . No

Hard Drive 6
 SCSI Bus 1
 SCSI ID 5
 Serial Number B3093005
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 82751
 Sectors read *1143043156
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 179835770
 Hard write errors 0
 Write errors retry 0
 Seek count 284944
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 71%
 Seek time full 73%
 Reallocated sectors 83
 Recovers read failed 0
 Bus faults 0

Hard Drive 7
 SCSI Bus 1
 SCSI ID 1
 Serial Number B3093065
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 82751
 Sectors read *1143509438
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 179922067
 Hard write errors 0
 Write errors retry 0
 Seek count 284944
 Seek errors 0
 Spin cycles 0
 Spin up time 0

Seek time track 36%
Seek time third 68%
Seek time full 70%
Reallocated sectors 32
Recovers read failed 0
Bus faults 0

Hard Drive 8
SCSI Bus 1
SCSI ID 2
Serial Number B3092107
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82751
Sectors read *1142838175
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 179670595
Hard write errors 0
Write errors retry 0
Seek count 289678
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 73%
Seek time full 74%
Reallocated sectors 134
Recovers read failed 0
Bus faults 0

Hard Drive 9
SCSI Bus 1
SCSI ID 3
Serial Number B3079991
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82751
Sectors read *1145497817
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 179145180
Hard write errors 0
Write errors retry 0
Seek count 294624
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 71%
Seek time full 72%
Reallocated sectors 24
Recovers read failed 0
Bus faults 0

Hard Drive 10
SCSI Bus 1
SCSI ID 4
Serial Number B3093217

Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82751
Sectors read *1142861920
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 179776471
Hard write errors 0
Write errors retry 0
Seek count 288112
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 72%
Seek time full 72%
Reallocated sectors 24
Recovers read failed 0
Bus faults 0

Hard Drive 11
SCSI Bus 1
SCSI ID 5
Serial Number B3093442
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82751
Sectors read *1142948241
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 179958708
Hard write errors 0
Write errors retry 0
Seek count 286704
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 72%
Seek time full 73%
Reallocated sectors 301
Recovers read failed 0
Bus faults 0

Hard Drive 12
SCSI Bus 1
SCSI ID 6
Serial Number B3092763
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82751
Sectors read *1142703409
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 179591494
Hard write errors 0
Write errors retry 0

Seek count 286000
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 71%
Seek time full 72%
Reallocated sectors 49
Recovers read failed 0
Bus faults 0

Hard Drive 13
SCSI Bus 1
SCSI ID 0
Serial Number B3094871
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82751
Sectors read *1142887121
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 179498581
Hard write errors 0
Write errors retry 0
Seek count 284592
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 72%
Seek time full 72%
Reallocated sectors 12
Recovers read failed 0
Bus faults 0

Hard Drive 14
SCSI Bus 1
SCSI ID 1
Serial Number B3091319
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82751
Sectors read *1143771873
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 180129214
Hard write errors 0
Write errors retry 0
Seek count 283008
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 68%
Seek time full 71%
Reallocated sectors 15
Recovers read failed 0
Bus faults 0

Hard Drive 15
SCSI Bus 2
SCSI ID 0
Serial Number B3100054
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82751
Sectors read *1143594794
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 179651093
Hard write errors 0
Write errors retry 0
Seek count 283008
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 71%
Seek time full 72%
Reallocated sectors 39
Recovers read failed 0
Bus faults 0

Hard Drive 16
SCSI Bus 2
SCSI ID 1
Serial Number B3093287
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82751
Sectors read *1141340220
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 178884399
Hard write errors 0
Write errors retry 0
Seek count 281952
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 69%
Seek time full 71%
Reallocated sectors 3
Recovers read failed 0
Bus faults 0

Hard Drive 17
SCSI Bus 2
SCSI ID 2
Serial Number B3093718
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82751
Sectors read *1143006976
Hard read errors 0
Read errors retry 0

ECC read errors 0
Sectors written 180045402
Hard write errors 0
Write errors retry 0
Seek count 278608
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 69%
Seek time full 71%
Reallocated sectors 33
Recovers read failed 0
Bus faults 0

Hard Drive 18
SCSI Bus 2
SCSI ID 3
Serial Number B3099330
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82751
Sectors read *1142104313
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 179271431
Hard write errors 0
Write errors retry 0
Seek count 279312
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 69%
Seek time full 71%
Reallocated sectors 48
Recovers read failed 0
Bus faults 0

Hard Drive 19
SCSI Bus 2
SCSI ID 4
Serial Number B3100062
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82751
Sectors read *1140770151
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 179802124
Hard write errors 0
Write errors retry 0
Seek count 281248
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 72%
Seek time full 72%

Reallocated sectors 117
Recovers read failed 0
Bus faults 0
Hard Drive 20
SCSI Bus 2
SCSI ID 5
Serial Number B3093307
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82751
Sectors read *1143031171
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 179830797
Hard write errors 0
Write errors retry 0
Seek count 281072
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 69%
Seek time full 71%
Reallocated sectors 39
Recovers read failed 0
Bus faults 0

Hard Drive 21
SCSI Bus 2
SCSI ID 1
Serial Number B3100061
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82751
Sectors read *1142056864
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 179118256
Hard write errors 0
Write errors retry 0
Seek count 282128
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 40%
Seek time third 69%
Seek time full 71%
Reallocated sectors 74
Recovers read failed 0
Bus faults 0

Hard Drive 22
SCSI Bus 2
SCSI ID 2
Serial Number B3099876
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes

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Reference time . . . . . 82751
Sectors read . . . . . *1143497310
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 181867148
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 283008
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 68%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 6
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 23
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . . B3091040
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82751
Sectors read . . . . . *1142709713
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 183082676
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 283536
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 72%
Seek time full . . . . . 73%
Reallocated sectors . . . . . 29
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 24
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . . B3090060
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82751
Sectors read . . . . . *1143388747
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 182099442
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 282480
Seek errors . . . . . 0
Spin cycles . . . . . 0

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Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 72%
Seek time full . . . . . 73%
Reallocated sectors . . . . . 120
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 25
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . . B3092849
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82751
Sectors read . . . . . *1158430210
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 181847588
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 280368
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 73%
Seek time full . . . . . 73%
Reallocated sectors . . . . . 19
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 26
SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . . B3093178
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82751
Sectors read . . . . . *1143826831
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 181877585
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 280720
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 18
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 27
SCSI Bus . . . . . 2
SCSI ID . . . . . 0

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Serial Number . . . . . B3093149
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 82751
  Sectors read . . . . . *1143582687
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 182268422
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 282656
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 71%
  Seek time full . . . . . 73%
  Reallocated sectors . . . . . 29
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

Hard Drive 28
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . . B3093868
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 82751
  Sectors read . . . . . *1142304318
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 181426733
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 281424
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 71%
  Seek time full . . . . . 72%
  Reallocated sectors . . . . . 41
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

Hard Drive 29
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . . B3092765
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 82752
  Sectors read . . . . . *1143563826
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 181750941
  Hard write errors . . . . . 0

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Write errors retry . . . . . 0
Seek count . . . . . 281248
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 18
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 30
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . . B3092483
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 82752
  Sectors read . . . . . *1142691812
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 185693799
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 276672
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 71%
  Seek time full . . . . . 72%
  Reallocated sectors . . . . . 48
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

Hard Drive 31
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . . B3092635
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 82752
  Sectors read . . . . . *1144845548
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 182229209
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 279840
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 71%
  Seek time full . . . . . 73%
  Reallocated sectors . . . . . 379
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

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Hard Drive 32
 SCSI Bus 2
 SCSI ID 3
 Serial Number B3093105
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 82752
 Sectors read *1143141535
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 182068059
 Hard write errors 0
 Write errors retry 0
 Seek count 277552
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 69%
 Seek time full 71%
 Reallocated sectors 49
 Recovers read failed 0
 Bus faults 0

Hard Drive 33
 SCSI Bus 2
 SCSI ID 4
 Serial Number B3095614
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 82752
 Sectors read *1142230058
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 181274638
 Hard write errors 0
 Write errors retry 0
 Seek count 282304
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 72%
 Seek time full 72%
 Reallocated sectors 113
 Recovers read failed 0
 Bus faults 0

Hard Drive 34
 SCSI Bus 2
 SCSI ID 5
 Serial Number B3092828
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 82752
 Sectors read *1142959876
 Hard read errors 0

Read errors retry 0
 ECC read errors 0
 Sectors written 181633781
 Hard write errors 0
 Write errors retry 0
 Seek count 282304
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 69%
 Seek time full 72%
 Reallocated sectors 84
 Recovers read failed 0
 Bus faults 0

Hard Drive 35
 SCSI Bus 2
 SCSI ID 1
 Serial Number B3092111
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 82752
 Sectors read *1142322293
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 181470874
 Hard write errors 0
 Write errors retry 0
 Seek count 281424
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 71%
 Seek time full 72%
 Reallocated sectors 35
 Recovers read failed 0
 Bus faults 0

Hard Drive 36
 SCSI Bus 2
 SCSI ID 2
 Serial Number B3093326
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 82752
 Sectors read *1142686841
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 181492839
 Hard write errors 0
 Write errors retry 0
 Seek count 281424
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 72%

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Seek time full . . . . . 72%
Reallocated sectors . . . 35
Recovers read failed . . . 0
Bus faults . . . . . 0

Hard Drive 37
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . . B3094251
Firmware Revision 1 . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82752
Sectors read . . . . . *1141958192
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 180857967
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 281600
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . 15
Recovers read failed . . . 0
Bus faults . . . . . 0

Hard Drive 38
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . . B3092532
Firmware Revision 1 . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82752
Sectors read . . . . . *1143550933
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 182010860
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 281952
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 72%
Seek time full . . . . . 73%
Reallocated sectors . . . 138
Recovers read failed . . . 0
Bus faults . . . . . 0

Hard Drive 39
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . . B3099967
Firmware Revision 1 . . . . B016
Model Number . . . . . COMPAQ BD009122C6

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Initialized for Monitoring . Yes
Reference time . . . . . 82752
Sectors read . . . . . *1143625993
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 181903730
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 280192
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 40%
Seek time third . . . . . 71%
Seek time full . . . . . 72%
Reallocated sectors . . . 22
Recovers read failed . . . 0
Bus faults . . . . . 0

Hard Drive 40
SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . . B3093037
Firmware Revision 1 . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82752
Sectors read . . . . . *1144349625
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 179978076
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 279664
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 68%
Seek time full . . . . . 70%
Reallocated sectors . . . 33
Recovers read failed . . . 0
Bus faults . . . . . 0

Hard Drive 41
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . . B3093209
Firmware Revision 1 . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82752
Sectors read . . . . . *1143315709
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 181616218
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 281248
Seek errors . . . . . 0

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```

Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 104
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 42
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . . B3080003
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82752
Sectors read . . . . . *1142848711
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 181515121
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 281072
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 32%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 36
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Logical Drive 3 . . . . . 161960 Megabyte
Fault Tolerance . . . . . Mirroring
OS Format . . . . . Multi-Sector Distribution
Drive geometry (Cyl, Hds, Sec) -26770, 255, 32
Array Accelerator . . . . . Enabled

Hard Drive 1
SCSI Bus . . . . . 1
SCSI ID . . . . . 0
Serial Number . . . . . B3093197
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82752
Sectors read . . . . . *1143839752
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 180172118
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 288825
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 68%
Seek time full . . . . . 71%

```

```

Reallocated sectors . . . . . 36
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 2
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . . B3093195
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82752
Sectors read . . . . . *1143272560
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 181028325
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 285120
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 72%
Reallocated sectors . . . . . 27
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 3
SCSI Bus . . . . . 1
SCSI ID . . . . . 2
Serial Number . . . . . B3093201
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82752
Sectors read . . . . . *1142589170
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 179540490
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 282832
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 68%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 32
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 4
SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . . LS73449600001020H247
Firmware Revision 1 . . . . . 3B07
Model Number . . . . . COMPAQ BD009122BA
Initialized for Monitoring . Yes

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Reference time . . . . . 15449
Sectors read . . . . . 883313078
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 81950432
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 61248
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 47%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 5450
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 5
SCSI Bus . . . . . 1
SCSI ID . . . . . 4
Serial Number . . . . . LS816520000010211C1F
Firmware Revision 1 . . . . . 3B07
Model Number . . . . . COMPAQ BD009122BA
Initialized for Monitoring . No

Hard Drive 6
SCSI Bus . . . . . 1
SCSI ID . . . . . 5
Serial Number . . . . . B3093005
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82752
Sectors read . . . . . *1143043156
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 179835770
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 285120
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 71%
Seek time full . . . . . 73%
Reallocated sectors . . . . . 83
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 7
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . . B3093065
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82752
Sectors read . . . . . *1143509438
Hard read errors . . . . . 0

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Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 179922067
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 285120
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 68%
Seek time full . . . . . 70%
Reallocated sectors . . . . . 32
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 8
SCSI Bus . . . . . 1
SCSI ID . . . . . 2
Serial Number . . . . . B3092107
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82752
Sectors read . . . . . *1142838175
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 179670595
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 289854
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 73%
Seek time full . . . . . 74%
Reallocated sectors . . . . . 134
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 9
SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . . B3079991
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82752
Sectors read . . . . . *1145497817
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 179145180
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 294800
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 71%

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Seek time full . . . . . 72%
Reallocated sectors . . . . . 24
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 10
SCSI Bus . . . . . 1
SCSI ID . . . . . 4
Serial Number . . . . . B3093217
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82752
Sectors read . . . . . *1142861920
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 179776471
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 288288
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 72%
Seek time full . . . . . 72%
Reallocated sectors . . . . . 24
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 11
SCSI Bus . . . . . 1
SCSI ID . . . . . 5
Serial Number . . . . . B3093442
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82752
Sectors read . . . . . *1142948241
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 179958708
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 286880
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 72%
Seek time full . . . . . 73%
Reallocated sectors . . . . . 301
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 12
SCSI Bus . . . . . 1
SCSI ID . . . . . 6
Serial Number . . . . . B3092763
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6

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Initialized for Monitoring . Yes
Reference time . . . . . 82752
Sectors read . . . . . *1142703409
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 179591494
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 286176
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 71%
Seek time full . . . . . 72%
Reallocated sectors . . . . . 49
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 13
SCSI Bus . . . . . 1
SCSI ID . . . . . 0
Serial Number . . . . . B3094871
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82752
Sectors read . . . . . *1142887121
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 179498581
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 284768
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 72%
Seek time full . . . . . 72%
Reallocated sectors . . . . . 12
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 14
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . . B3091319
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82752
Sectors read . . . . . *1143771873
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 180129214
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 283184
Seek errors . . . . . 0

```

Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 68%
Seek time full 71%
Reallocated sectors 15
Recovers read failed 0
Bus faults 0

Hard Drive 15
SCSI Bus 2
SCSI ID 0
Serial Number B3100054
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82752
Sectors read *1143594794
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 179651093
Hard write errors 0
Write errors retry 0
Seek count 283184
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 71%
Seek time full 72%
Reallocated sectors 39
Recovers read failed 0
Bus faults 0

Hard Drive 16
SCSI Bus 2
SCSI ID 1
Serial Number B3093287
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82752
Sectors read *1141340220
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 178884399
Hard write errors 0
Write errors retry 0
Seek count 282128
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 69%
Seek time full 71%
Reallocated sectors 3
Recovers read failed 0
Bus faults 0

Hard Drive 17
SCSI Bus 2

SCSI ID 2
Serial Number B3093718
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82752
Sectors read *1143006976
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 180045402
Hard write errors 0
Write errors retry 0
Seek count 278784
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 69%
Seek time full 71%
Reallocated sectors 33
Recovers read failed 0
Bus faults 0

Hard Drive 18
SCSI Bus 2
SCSI ID 3
Serial Number B3099330
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82752
Sectors read *1142104313
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 179271431
Hard write errors 0
Write errors retry 0
Seek count 279488
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 69%
Seek time full 71%
Reallocated sectors 48
Recovers read failed 0
Bus faults 0

Hard Drive 19
SCSI Bus 2
SCSI ID 4
Serial Number B3100062
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82752
Sectors read *1140770151
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 179802124

Hard write errors 0
Write errors retry 0
Seek count 281424
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 72%
Seek time full 72%
Reallocated sectors 117
Recovers read failed 0
Bus faults 0

Hard Drive 20
SCSI Bus 2
SCSI ID 5
Serial Number B3093307
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82752
Sectors read *1143031171
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 179830797
Hard write errors 0
Write errors retry 0
Seek count 281248
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 69%
Seek time full 71%
Reallocated sectors 39
Recovers read failed 0
Bus faults 0

Hard Drive 21
SCSI Bus 2
SCSI ID 1
Serial Number B3100061
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82752
Sectors read *1142056864
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 179118256
Hard write errors 0
Write errors retry 0
Seek count 282304
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 40%
Seek time third 69%
Seek time full 71%
Reallocated sectors 74
Recovers read failed 0

Bus faults 0
Hard Drive 22
SCSI Bus 2
SCSI ID 2
Serial Number B3099876
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82752
Sectors read *1143497310
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 181867148
Hard write errors 0
Write errors retry 0
Seek count 283184
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 68%
Seek time full 71%
Reallocated sectors 6
Recovers read failed 0
Bus faults 0

Hard Drive 23
SCSI Bus 2
SCSI ID 3
Serial Number B3091040
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82752
Sectors read *1142709713
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 183082676
Hard write errors 0
Write errors retry 0
Seek count 283712
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 72%
Seek time full 73%
Reallocated sectors 29
Recovers read failed 0
Bus faults 0

Hard Drive 24
SCSI Bus 2
SCSI ID 4
Serial Number B3090060
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82752
Sectors read *1143388747

```

Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 182099442
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 282656
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 72%
Seek time full . . . . . 73%
Reallocated sectors . . . . . 120
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 25
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . . B3092849
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82752
Sectors read . . . . . *1158430210
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 181847588
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 280544
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 73%
Seek time full . . . . . 73%
Reallocated sectors . . . . . 19
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 26
SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . . B3093178
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82752
Sectors read . . . . . *1143826831
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 181877585
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 280896
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%

```

```

Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 18
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 27
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . . B3093149
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82752
Sectors read . . . . . *1143582687
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 182268422
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 282832
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 71%
Seek time full . . . . . 73%
Reallocated sectors . . . . . 29
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 28
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . . B3093868
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82752
Sectors read . . . . . *1142304318
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 181426733
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 281600
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 71%
Seek time full . . . . . 72%
Reallocated sectors . . . . . 41
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 29
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . . B3092765
Firmware Revision 1 . . . . . B016

```


Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 82752
 Sectors read *1143563826
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 181750941
 Hard write errors 0
 Write errors retry 0
 Seek count 281424
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 69%
 Seek time full 71%
 Reallocated sectors 18
 Recovers read failed 0
 Bus faults 0

Hard Drive 30
 SCSI Bus 2
 SCSI ID 1
 Serial Number B3092483
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 82752
 Sectors read *1142691812
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 185693799
 Hard write errors 0
 Write errors retry 0
 Seek count 276848
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 71%
 Seek time full 72%
 Reallocated sectors 48
 Recovers read failed 0
 Bus faults 0

Hard Drive 31
 SCSI Bus 2
 SCSI ID 2
 Serial Number B3092635
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 82752
 Sectors read *1144845548
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 182229209
 Hard write errors 0
 Write errors retry 0
 Seek count 280016

Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 71%
 Seek time full 73%
 Reallocated sectors 379
 Recovers read failed 0
 Bus faults 0

Hard Drive 32
 SCSI Bus 2
 SCSI ID 3
 Serial Number B3093105
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 82752
 Sectors read *1143141535
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 182068059
 Hard write errors 0
 Write errors retry 0
 Seek count 277728
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 69%
 Seek time full 71%
 Reallocated sectors 49
 Recovers read failed 0
 Bus faults 0

Hard Drive 33
 SCSI Bus 2
 SCSI ID 4
 Serial Number B3095614
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 82752
 Sectors read *1142230058
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 181274638
 Hard write errors 0
 Write errors retry 0
 Seek count 282480
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 72%
 Seek time full 72%
 Reallocated sectors 113
 Recovers read failed 0
 Bus faults 0

Hard Drive 34

```

SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . . B3092828
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 82752
  Sectors read . . . . . *1142959876
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 181633781
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 282480
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 69%
  Seek time full . . . . . 72%
  Reallocated sectors . . . . . 84
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 35
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . . B3092111
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 82752
  Sectors read . . . . . *1142322293
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 181470874
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 281600
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 71%
  Seek time full . . . . . 72%
  Reallocated sectors . . . . . 35
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 36
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . . B3093326
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 82752
  Sectors read . . . . . *1142686841
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0

```

```

Sectors written . . . . . 181492839
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 281600
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 72%
Seek time full . . . . . 72%
Reallocated sectors . . . . . 35
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 37
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . . B3094251
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 82752
  Sectors read . . . . . *1141958192
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 180857967
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 281776
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 69%
  Seek time full . . . . . 71%
  Reallocated sectors . . . . . 15
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 38
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . . B3092532
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 82752
  Sectors read . . . . . *1143550933
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 182010860
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 282128
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 72%
  Seek time full . . . . . 73%
  Reallocated sectors . . . . . 138

```

```

Recovers read failed . . . 0
Bus faults . . . . . 0

Hard Drive 39
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . . B3099967
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82752
Sectors read . . . . . *1143625993
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 181903730
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 280368
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 40%
Seek time third . . . . . 71%
Seek time full . . . . . 72%
Reallocated sectors . . . . . 22
Recovers read failed . . . 0
Bus faults . . . . . 0

Hard Drive 40
SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . . B3093037
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82752
Sectors read . . . . . *1144349625
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 179978076
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 279840
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 68%
Seek time full . . . . . 70%
Reallocated sectors . . . . . 33
Recovers read failed . . . 0
Bus faults . . . . . 0

Hard Drive 41
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . . B3093209
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82752

```

```

Sectors read . . . . . *1143315709
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 181616218
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 281424
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . . 104
Recovers read failed . . . 0
Bus faults . . . . . 0

Hard Drive 42
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . . B3080003
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82752
Sectors read . . . . . *1142848711
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 181515121
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 281248
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 32%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . . 36
Recovers read failed . . . 0
Bus faults . . . . . 0

Drive Controller 3, Compaq Smart Array 4200 Controller
IDA Firmware Revision . . . . 1.10
Array Accelerator Memory . . . 57344 Kbytes
Reserved for reads . . . . . 28672 Kbytes
Reserved for writes . . . . . 28672 Kbytes
Accelerator Status . . . . . Enabled
Battery count . . . . . 3
Batteries charged . . . . . 3
Batteries failed . . . . . 0
ProLiant . . . . . Bus 1, Rev. JB46
ProLiant . . . . . Bus 2, Rev. JB46
ProLiant . . . . . Bus 3, Rev. JB46

Logical Drive 1 . . . . . 32031 Megabyte
Fault Tolerance . . . . . None
OS Format . . . . . Multi-Sector Distribution
Drive geometry (Cyl, Hds, Sec) 7667, 255, 32
Array Accelerator . . . . . Disabled

```

```

Hard Drive 1
SCSI Bus . . . . . 1
SCSI ID . . . . . 0
Serial Number . . . . . B3091789
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 82721
  Sectors read . . . . . *1143330287
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 178631067
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 286176
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 72%
  Seek time full . . . . . 73%
  Reallocated sectors . . . . . 24
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 2
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . . B3092488
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 82721
  Sectors read . . . . . *1137969227
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 177999361
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 283184
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 69%
  Seek time full . . . . . 71%
  Reallocated sectors . . . . . 77
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 3
SCSI Bus . . . . . 1
SCSI ID . . . . . 2
Serial Number . . . . . B3099686
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 82721
  Sectors read . . . . . *1137711168
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0

```

```

ECC read errors . . . . . 0
Sectors written . . . . . 178208895
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 283543
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 72%
Seek time full . . . . . 73%
Reallocated sectors . . . . . 23
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 4
SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . . B3095482
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 82721
  Sectors read . . . . . *1137043224
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 177979767
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 282367
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 68%
  Seek time full . . . . . 70%
  Reallocated sectors . . . . . 38
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 5
SCSI Bus . . . . . 1
SCSI ID . . . . . 4
Serial Number . . . . . B3094128
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 82721
  Sectors read . . . . . *1137852096
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 178501448
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 284619
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 68%
  Seek time full . . . . . 71%

```

```

Reallocated sectors . . . 40
Recovers read failed . . . 0
Bus faults . . . . . 0

Hard Drive 6
SCSI Bus . . . . . 1
SCSI ID . . . . . 5
Serial Number . . . . . B3093389
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 82721
  Sectors read . . . . . *1137450138
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 178172180
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 281807
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 68%
  Seek time full . . . . . 70%
  Reallocated sectors . . . . . 56
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

Hard Drive 7
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . . B3094940
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 82721
  Sectors read . . . . . *1137280087
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 178171535
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 282855
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 69%
  Seek time full . . . . . 71%
  Reallocated sectors . . . . . 15
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

Hard Drive 8
SCSI Bus . . . . . 1
SCSI ID . . . . . 2
Serial Number . . . . . B3099711
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes

```

```

Reference time . . . . . 82721
Sectors read . . . . . *1136398660
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 178019266
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 287777
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 62
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 9
SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . . B3092106
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 82721
  Sectors read . . . . . *1151138027
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 177918875
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 287071
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 71%
  Seek time full . . . . . 71%
  Reallocated sectors . . . . . 43
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

Hard Drive 10
SCSI Bus . . . . . 1
SCSI ID . . . . . 4
Serial Number . . . . . B3091856
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 82721
  Sectors read . . . . . *1152554504
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 178631659
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 292349
  Seek errors . . . . . 0
  Spin cycles . . . . . 0

```

Spin up time 0
Seek time track 36%
Seek time third 68%
Seek time full 71%
Reallocated sectors 24
Recovers read failed 0
Bus faults 0

Hard Drive 11
SCSI Bus 1
SCSI ID 5
Serial Number B3095014
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82722
Sectors read *1152287166
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 177741604
Hard write errors 0
Write errors retry 0
Seek count 292721
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 73%
Seek time full 73%
Reallocated sectors 18
Recovers read failed 0
Bus faults 0

Hard Drive 12
SCSI Bus 1
SCSI ID 6
Serial Number B3094743
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82722
Sectors read *1153562475
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 178550863
Hard write errors 0
Write errors retry 0
Seek count 287623
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 69%
Seek time full 72%
Reallocated sectors 24
Recovers read failed 0
Bus faults 0

Hard Drive 13
SCSI Bus 1
SCSI ID 0

Serial Number B3092911
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 81255
Sectors read *1150809598
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 178762472
Hard write errors 0
Write errors retry 0
Seek count 279677
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 0%
Seek time third 0%
Seek time full 0%
Reallocated sectors 42
Recovers read failed 0
Bus faults 0

Hard Drive 14
SCSI Bus 1
SCSI ID 1
Serial Number B3092926
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82722
Sectors read *1152522440
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 178428819
Hard write errors 0
Write errors retry 0
Seek count 288323
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 68%
Seek time full 70%
Reallocated sectors 28
Recovers read failed 0
Bus faults 0

Hard Drive 15
SCSI Bus 2
SCSI ID 0
Serial Number B3095080
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82722
Sectors read *1136940341
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 178174716
Hard write errors 0

Write errors retry 0
 Seek count 284254
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 71%
 Seek time full 72%
 Reallocated sectors 135
 Recovers read failed 0
 Bus faults 0

Hard Drive 16
 SCSI Bus 2
 SCSI ID 1
 Serial Number B3100004
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 82722
 Sectors read *1135477948
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 178266664
 Hard write errors 0
 Write errors retry 0
 Seek count 279146
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 69%
 Seek time full 71%
 Reallocated sectors 21
 Recovers read failed 0
 Bus faults 0

Hard Drive 17
 SCSI Bus 2
 SCSI ID 2
 Serial Number B3094761
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 82722
 Sectors read *1136341381
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 177782034
 Hard write errors 0
 Write errors retry 0
 Seek count 279526
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 69%
 Seek time full 71%
 Reallocated sectors 13
 Recovers read failed 0
 Bus faults 0

Hard Drive 18
 SCSI Bus 2
 SCSI ID 3
 Serial Number B3093040
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 82722
 Sectors read *1137900793
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 178272599
 Hard write errors 0
 Write errors retry 0
 Seek count 277920
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 69%
 Seek time full 71%
 Reallocated sectors 60
 Recovers read failed 0
 Bus faults 0

Hard Drive 19
 SCSI Bus 2
 SCSI ID 4
 Serial Number B3100032
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 82722
 Sectors read *1136852749
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 178083539
 Hard write errors 0
 Write errors retry 0
 Seek count 278800
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 72%
 Seek time full 73%
 Reallocated sectors 27
 Recovers read failed 0
 Bus faults 0

Hard Drive 20
 SCSI Bus 2
 SCSI ID 5
 Serial Number B3095572
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 82722
 Sectors read *1137886221
 Hard read errors 0

Read errors retry 0
ECC read errors 0
Sectors written 178449067
Hard write errors 0
Write errors retry 0
Seek count 281609
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 72%
Seek time full 73%
Reallocated sectors 60
Recovers read failed 0
Bus faults 0

Hard Drive 21
SCSI Bus 2
SCSI ID 1
Serial Number B3092467
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82722
Sectors read *1137527983
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 178101344
Hard write errors 0
Write errors retry 0
Seek count 282859
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 68%
Seek time full 71%
Reallocated sectors 132
Recovers read failed 0
Bus faults 0

Hard Drive 22
SCSI Bus 2
SCSI ID 2
Serial Number B3092920
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82722
Sectors read *1141809214
Hard read errors 193
Read errors retry 5
ECC read errors 0
Sectors written 180304848
Hard write errors 0
Write errors retry 0
Seek count 283379
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 69%

Seek time full 71%
Reallocated sectors 33
Recovers read failed 0
Bus faults 0

Hard Drive 23
SCSI Bus 2
SCSI ID 3
Serial Number B3093027
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82722
Sectors read *1137376307
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 180563175
Hard write errors 0
Write errors retry 0
Seek count 281626
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 69%
Seek time full 71%
Reallocated sectors 30
Recovers read failed 0
Bus faults 0

Hard Drive 24
SCSI Bus 2
SCSI ID 4
Serial Number B3095640
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82722
Sectors read *1137515148
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 180376150
Hard write errors 0
Write errors retry 0
Seek count 281806
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 69%
Seek time full 71%
Reallocated sectors 50
Recovers read failed 0
Bus faults 0

Hard Drive 25
SCSI Bus 2
SCSI ID 5
Serial Number B3099237
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6


```

Initialized for Monitoring . Yes
Reference time . . . . . 82722
Sectors read . . . . . *1136951992
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 180297923
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 279345
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 51
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 26
SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . . B3093200
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82722
Sectors read . . . . . *1138104703
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 180588756
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 283551
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 68%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 123
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 27
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . . B3092811
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82722
Sectors read . . . . . *1137670687
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 180355150
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 283727
Seek errors . . . . . 0

```

```

Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 71%
Seek time full . . . . . 72%
Reallocated sectors . . . . . 781
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 28
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . . B3093093
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82722
Sectors read . . . . . *1138078688
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 180517666
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 281453
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 34
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 29
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . . B3093066
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82719
Sectors read . . . . . *1137561875
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 180088939
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 281079
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 72%
Seek time full . . . . . 73%
Reallocated sectors . . . . . 21
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 30
SCSI Bus . . . . . 2

```

```

SCSI ID . . . . . 1
Serial Number . . . . . B3092831
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 82719
  Sectors read . . . . . *1153886796
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 180648144
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 276701
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 68%
  Seek time full . . . . . 71%
  Reallocated sectors . . . . . 51
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 31
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . . B3099858
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 82719
  Sectors read . . . . . *1153572455
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 180878682
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 275626
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 69%
  Seek time full . . . . . 71%
  Reallocated sectors . . . . . 36
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 32
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . . B3092471
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 82719
  Sectors read . . . . . *1151895542
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 180330680

```

```

Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 278981
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 72%
Seek time full . . . . . 73%
Reallocated sectors . . . . . 42
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 33
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . . B3092750
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 82719
  Sectors read . . . . . *1151783741
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 180186265
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 278822
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 72%
  Seek time full . . . . . 73%
  Reallocated sectors . . . . . 79
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 34
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . . B3093437
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 82719
  Sectors read . . . . . *1151966897
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 177910402
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 277912
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 69%
  Seek time full . . . . . 71%
  Reallocated sectors . . . . . 24
  Recovers read failed . . . . . 0

```

```

Bus faults . . . . . 0

Hard Drive 35
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . . B3093254
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82712
Sectors read . . . . . *1151908175
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 179917824
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 278441
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 72%
Reallocated sectors . . . . . 54
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 36
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . . B3091851
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82711
Sectors read . . . . . *1135663412
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 179280691
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 278983
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 57
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 37
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . . B3092343
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82711
Sectors read . . . . . *1137514645

```

```

Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 177925740
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 277394
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 21
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 38
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . . B3092989
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82711
Sectors read . . . . . *1137664683
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 180265488
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 280023
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 71%
Seek time full . . . . . 72%
Reallocated sectors . . . . . 129
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 39
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . . B3093087
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82711
Sectors read . . . . . *1137957294
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 180481941
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 278085
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%

```

```

Seek time third . . . . . 71%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 78
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 40
SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . . B3093236
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82711
Sectors read . . . . . *1137692843
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 180141831
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 276874
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 40%
Seek time third . . . . . 73%
Seek time full . . . . . 73%
Reallocated sectors . . . . . 12
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 41
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . . B3094747
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82711
Sectors read . . . . . *1137127526
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 180037759
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 276511
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 35
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 42
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . . B3094776
Firmware Revision 1 . . . . . B016

```

```

Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82711
Sectors read . . . . . *1137236763
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 180237645
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 277911
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 71%
Seek time full . . . . . 72%
Reallocated sectors . . . . . 45
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Logical Drive 2 . . . . . 26211 Megabyte
Fault Tolerance . . . . . None
OS Format . . . . . Multi-Sector Distribution
Drive geometry (Cyl, Hds, Sec) 6274, 255, 32
Array Accelerator . . . . . Disabled

Hard Drive 1
SCSI Bus . . . . . 1
SCSI ID . . . . . 0
Serial Number . . . . . B3091789
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82722
Sectors read . . . . . *1143330287
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 178631067
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 286352
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 72%
Seek time full . . . . . 73%
Reallocated sectors . . . . . 24
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 2
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . . B3092488
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82722
Sectors read . . . . . *1137969227
Hard read errors . . . . . 0

```

Read errors retry 0
ECC read errors 0
Sectors written 177999361
Hard write errors 0
Write errors retry 0
Seek count 283360
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 69%
Seek time full 71%
Reallocated sectors 77
Recovers read failed 0
Bus faults 0

Hard Drive 3
SCSI Bus 1
SCSI ID 2
Serial Number B3099686
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82722
Sectors read *1137711168
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 178208895
Hard write errors 0
Write errors retry 0
Seek count 283719
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 72%
Seek time full 73%
Reallocated sectors 23
Recovers read failed 0
Bus faults 0

Hard Drive 4
SCSI Bus 1
SCSI ID 3
Serial Number B3095482
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82722
Sectors read *1137043224
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 177979767
Hard write errors 0
Write errors retry 0
Seek count 282543
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 68%

Seek time full 70%
Reallocated sectors 38
Recovers read failed 0
Bus faults 0

Hard Drive 5
SCSI Bus 1
SCSI ID 4
Serial Number B3094128
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82722
Sectors read *1137852096
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 178501448
Hard write errors 0
Write errors retry 0
Seek count 284795
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 68%
Seek time full 71%
Reallocated sectors 40
Recovers read failed 0
Bus faults 0

Hard Drive 6
SCSI Bus 1
SCSI ID 5
Serial Number B3093389
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82722
Sectors read *1137450138
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 178172180
Hard write errors 0
Write errors retry 0
Seek count 281983
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 68%
Seek time full 70%
Reallocated sectors 56
Recovers read failed 0
Bus faults 0

Hard Drive 7
SCSI Bus 1
SCSI ID 1
Serial Number B3094940
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6

```

Initialized for Monitoring . Yes
Reference time . . . . . 82722
Sectors read . . . . . *1137280087
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 178171535
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 283031
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 15
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 8
SCSI Bus . . . . . 1
SCSI ID . . . . . 2
Serial Number . . . . . B3099711
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82722
Sectors read . . . . . *1136398660
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 178019266
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 287953
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 62
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 9
SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . . B3092106
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82722
Sectors read . . . . . *1151138027
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 177918875
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 287247
Seek errors . . . . . 0

```

```

Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 71%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 43
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 10
SCSI Bus . . . . . 1
SCSI ID . . . . . 4
Serial Number . . . . . B3091856
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82722
Sectors read . . . . . *1152554504
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 178631659
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 292525
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 68%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 24
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 11
SCSI Bus . . . . . 1
SCSI ID . . . . . 5
Serial Number . . . . . B3095014
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82722
Sectors read . . . . . *1152287166
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 177741604
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 292897
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 73%
Seek time full . . . . . 73%
Reallocated sectors . . . . . 18
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 12
SCSI Bus . . . . . 1

```

```

SCSI ID . . . . . 6
Serial Number . . . . . B3094743
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 82722
  Sectors read . . . . . *1153562475
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 178550863
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 287799
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 69%
  Seek time full . . . . . 72%
  Reallocated sectors . . . . . 24
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 13
SCSI Bus . . . . . 1
SCSI ID . . . . . 0
Serial Number . . . . . B3092911
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 81255
  Sectors read . . . . . *1150809598
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 178762472
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 279853
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 0%
  Seek time third . . . . . 0%
  Seek time full . . . . . 0%
  Reallocated sectors . . . . . 42
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 14
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . . B3092926
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 82722
  Sectors read . . . . . *1152522440
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 178428819

```

```

Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 288499
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 68%
Seek time full . . . . . 70%
Reallocated sectors . . . . . 28
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 15
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . . B3095080
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 82722
  Sectors read . . . . . *1136940341
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 178174716
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 284430
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 71%
  Seek time full . . . . . 72%
  Reallocated sectors . . . . . 135
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 16
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . . B3100004
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 82722
  Sectors read . . . . . *1135477948
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 178266664
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 279322
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 69%
  Seek time full . . . . . 71%
  Reallocated sectors . . . . . 21
  Recovers read failed . . . . . 0

```

```

Bus faults . . . . . 0

Hard Drive 17
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . . B3094761
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82722
Sectors read . . . . . *1136341381
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 177782034
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 279702
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 13
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 18
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . . B3093040
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82722
Sectors read . . . . . *1137900793
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 178272599
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 278096
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 60
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 19
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . . B3100032
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82722
Sectors read . . . . . *1136852749

```

```

Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 178083539
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 278976
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 72%
Seek time full . . . . . 73%
Reallocated sectors . . . . . 27
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 20
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . . B3095572
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82722
Sectors read . . . . . *1137886221
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 178449067
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 281785
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 72%
Seek time full . . . . . 73%
Reallocated sectors . . . . . 60
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 21
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . . B3092467
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82722
Sectors read . . . . . *1137527983
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 178101344
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 283035
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%

```



```

Seek time third . . . . . 68%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 132
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 22
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . . B3092920
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82722
Sectors read . . . . . *1141809214
Hard read errors . . . . . 193
Read errors retry . . . . . 5
ECC read errors . . . . . 0
Sectors written . . . . . 180304848
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 283555
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 33
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 23
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . . B3093027
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82722
Sectors read . . . . . *1137376307
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 180563175
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 281802
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 30
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 24
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . . B3095640
Firmware Revision 1 . . . . . B016

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```

Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82722
Sectors read . . . . . *1137515148
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 180376150
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 281982
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 50
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 25
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . . B3099237
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82722
Sectors read . . . . . *1136951992
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 180297923
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 279521
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 51
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 26
SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . . B3093200
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82722
Sectors read . . . . . *1138104703
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 180588756
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 283727

```

```

Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 68%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 123
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 27
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . . B3092811
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82722
Sectors read . . . . . *1137670687
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 180355150
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 283903
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 71%
Seek time full . . . . . 72%
Reallocated sectors . . . . . 781
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 28
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . . B3093093
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82722
Sectors read . . . . . *1138078688
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 180517666
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 281629
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 34
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 29

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```

SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . . B3093066
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82719
Sectors read . . . . . *1137561875
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 180088939
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 281255
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 72%
Seek time full . . . . . 73%
Reallocated sectors . . . . . 21
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 30
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . . B3092831
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82719
Sectors read . . . . . *1153886796
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 180648144
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 276877
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 68%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 51
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 31
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . . B3099858
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82719
Sectors read . . . . . *1153572455
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0

```

Sectors written 180878682
Hard write errors 0
Write errors retry 0
Seek count 275802
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 69%
Seek time full 71%
Reallocated sectors 36
Recovers read failed 0
Bus faults 0

Hard Drive 32
SCSI Bus 2
SCSI ID 3
Serial Number B3092471
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82719
Sectors read *1151895542
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 180330680
Hard write errors 0
Write errors retry 0
Seek count 279157
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 72%
Seek time full 73%
Reallocated sectors 42
Recovers read failed 0
Bus faults 0

Hard Drive 33
SCSI Bus 2
SCSI ID 4
Serial Number B3092750
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82719
Sectors read *1151783741
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 180186265
Hard write errors 0
Write errors retry 0
Seek count 278998
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 72%
Seek time full 73%
Reallocated sectors 79

Recovers read failed 0
Bus faults 0

Hard Drive 34
SCSI Bus 2
SCSI ID 5
Serial Number B3093437
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82720
Sectors read *1151966897
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 177910402
Hard write errors 0
Write errors retry 0
Seek count 278088
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 69%
Seek time full 71%
Reallocated sectors 24
Recovers read failed 0
Bus faults 0

Hard Drive 35
SCSI Bus 2
SCSI ID 1
Serial Number B3093254
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82713
Sectors read *1151908175
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 179917824
Hard write errors 0
Write errors retry 0
Seek count 278617
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 69%
Seek time full 72%
Reallocated sectors 54
Recovers read failed 0
Bus faults 0

Hard Drive 36
SCSI Bus 2
SCSI ID 2
Serial Number B3091851
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82712

```

Sectors read . . . . . *1135663412
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 179280691
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 279159
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 57
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 37
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . . B3092343
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82712
Sectors read . . . . . *1137514645
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 177925740
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 277570
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 21
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 38
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . . B3092989
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82712
Sectors read . . . . . *1137664683
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 180265488
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 280199
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0

```

```

Seek time track . . . . . 36%
Seek time third . . . . . 71%
Seek time full . . . . . 72%
Reallocated sectors . . . . . 129
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 39
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . . B3093087
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82712
Sectors read . . . . . *1137957294
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 180481941
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 278261
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 71%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 78
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 40
SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . . B3093236
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82712
Sectors read . . . . . *1137692843
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 180141831
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 277050
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 40%
Seek time third . . . . . 73%
Seek time full . . . . . 73%
Reallocated sectors . . . . . 12
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 41
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . . B3094747

```

```

Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 82712
  Sectors read . . . . . *1137127526
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 180037759
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 276687
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 69%
  Seek time full . . . . . 71%
  Reallocated sectors . . . . . 35
  Recovers read failed . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 42
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . . B3094776
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 82712
  Sectors read . . . . . *1137236763
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 180237645
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 278087
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 71%
  Seek time full . . . . . 72%
  Reallocated sectors . . . . . 45
  Recovers read failed . . . . 0
  Bus faults . . . . . 0

```

```

Logical Drive 3 . . . . . 161960 Megabyte
Fault Tolerance . . . . . Mirroring
OS Format . . . . . Multi-Sector Distribution
Drive geometry (Cyl, Hds, Sec) -26770, 255, 32
Array Accelerator . . . . . Enabled

```

```

Hard Drive 1
SCSI Bus . . . . . 1
SCSI ID . . . . . 0
Serial Number . . . . . B3091789
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 82723
  Sectors read . . . . . *1143330287

```

```

Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 178631067
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 286528
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 72%
Seek time full . . . . . 73%
Reallocated sectors . . . . . 24
Recovers read failed . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 2
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . . B3092488
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 82723
  Sectors read . . . . . *1137969227
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 177999361
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 283536
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 69%
  Seek time full . . . . . 71%
  Reallocated sectors . . . . . 77
  Recovers read failed . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 3
SCSI Bus . . . . . 1
SCSI ID . . . . . 2
Serial Number . . . . . B3099686
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 82723
  Sectors read . . . . . *1137711168
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 178208895
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 283895
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%

```

```

Seek time third . . . . . 72%
Seek time full . . . . . 73%
Reallocated sectors . . . . . 23
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 4
SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . . B3095482
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82723
Sectors read . . . . . *1137043224
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 177979767
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 282719
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 68%
Seek time full . . . . . 70%
Reallocated sectors . . . . . 38
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 5
SCSI Bus . . . . . 1
SCSI ID . . . . . 4
Serial Number . . . . . B3094128
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82723
Sectors read . . . . . *1137852096
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 178501448
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 284971
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 68%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 40
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 6
SCSI Bus . . . . . 1
SCSI ID . . . . . 5
Serial Number . . . . . B3093389
Firmware Revision 1 . . . . . B016

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```

Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82723
Sectors read . . . . . *1137450138
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 178172180
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 282159
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 68%
Seek time full . . . . . 70%
Reallocated sectors . . . . . 56
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 7
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . . B3094940
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82723
Sectors read . . . . . *1137280087
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 178171535
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 283207
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 15
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 8
SCSI Bus . . . . . 1
SCSI ID . . . . . 2
Serial Number . . . . . B3099711
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82723
Sectors read . . . . . *1136398660
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 178019266
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 288129

```

```

Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 62
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 9
SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . . B3092106
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82723
Sectors read . . . . . *1151138027
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 177918875
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 287423
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 71%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 43
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 10
SCSI Bus . . . . . 1
SCSI ID . . . . . 4
Serial Number . . . . . B3091856
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82723
Sectors read . . . . . *1152554504
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 178631659
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 292701
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 68%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 24
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 11

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SCSI Bus . . . . . 1
SCSI ID . . . . . 5
Serial Number . . . . . B3095014
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82723
Sectors read . . . . . *1152287166
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 177741604
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 293073
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 73%
Seek time full . . . . . 73%
Reallocated sectors . . . . . 18
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 12
SCSI Bus . . . . . 1
SCSI ID . . . . . 6
Serial Number . . . . . B3094743
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82723
Sectors read . . . . . *1153562475
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 178550863
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 287975
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 72%
Reallocated sectors . . . . . 24
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 13
SCSI Bus . . . . . 1
SCSI ID . . . . . 0
Serial Number . . . . . B3092911
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81256
Sectors read . . . . . *1150809598
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0

```

Sectors written 178762472
Hard write errors 0
Write errors retry 0
Seek count 280029
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 0%
Seek time third 0%
Seek time full 0%
Reallocated sectors 42
Recovers read failed 0
Bus faults 0

Hard Drive 14
SCSI Bus 1
SCSI ID 1
Serial Number B3092926
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82723
Sectors read *1152522440
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 178428819
Hard write errors 0
Write errors retry 0
Seek count 288675
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 68%
Seek time full 70%
Reallocated sectors 28
Recovers read failed 0
Bus faults 0

Hard Drive 15
SCSI Bus 2
SCSI ID 0
Serial Number B3095080
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82723
Sectors read *1136940341
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 178174716
Hard write errors 0
Write errors retry 0
Seek count 284606
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 71%
Seek time full 72%
Reallocated sectors 135

Recovers read failed 0
Bus faults 0

Hard Drive 16
SCSI Bus 2
SCSI ID 1
Serial Number B3100004
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82723
Sectors read *1135477948
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 178266664
Hard write errors 0
Write errors retry 0
Seek count 279498
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 69%
Seek time full 71%
Reallocated sectors 21
Recovers read failed 0
Bus faults 0

Hard Drive 17
SCSI Bus 2
SCSI ID 2
Serial Number B3094761
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82723
Sectors read *1136341381
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 177782034
Hard write errors 0
Write errors retry 0
Seek count 279878
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 69%
Seek time full 71%
Reallocated sectors 13
Recovers read failed 0
Bus faults 0

Hard Drive 18
SCSI Bus 2
SCSI ID 3
Serial Number B3093040
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82723


```

Sectors read . . . . . *1137900793
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 178272599
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 278272
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 60
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 19
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . . B3100032
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82723
Sectors read . . . . . *1136852749
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 178083539
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 279152
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 72%
Seek time full . . . . . 73%
Reallocated sectors . . . . . 27
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 20
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . . B3095572
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82723
Sectors read . . . . . *1137886221
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 178449067
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 281961
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0

```

```

Seek time track . . . . . 36%
Seek time third . . . . . 72%
Seek time full . . . . . 73%
Reallocated sectors . . . . . 60
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 21
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . . B3092467
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82723
Sectors read . . . . . *1137527983
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 178101344
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 283211
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 68%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 132
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 22
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . . B3092920
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82723
Sectors read . . . . . *1141809214
Hard read errors . . . . . 193
Read errors retry . . . . . 5
ECC read errors . . . . . 0
Sectors written . . . . . 180304848
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 283731
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 33
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 23
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . . B3093027

```

```

Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 82723
  Sectors read . . . . . *1137376307
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 180563175
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 281978
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 69%
  Seek time full . . . . . 71%
  Reallocated sectors . . . . . 30
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 24
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . . B3095640
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 82723
  Sectors read . . . . . *1137515148
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 180376150
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 282158
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 69%
  Seek time full . . . . . 71%
  Reallocated sectors . . . . . 50
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 25
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . . B3099237
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 82723
  Sectors read . . . . . *1136951992
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 180297923
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0

```

```

Seek count . . . . . 279697
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 51
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 26
SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . . B3093200
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 82723
  Sectors read . . . . . *1138104703
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 180588756
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 283903
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 68%
  Seek time full . . . . . 71%
  Reallocated sectors . . . . . 123
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 27
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . . B3092811
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 82723
  Sectors read . . . . . *1137670687
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 180355150
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 284079
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 71%
  Seek time full . . . . . 72%
  Reallocated sectors . . . . . 781
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 28
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . . B3093093
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 82723
  Sectors read . . . . . *1138078688
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 180517666
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 281805
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 69%
  Seek time full . . . . . 71%
  Reallocated sectors . . . . . 34
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 29
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . . B3093066
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 82720
  Sectors read . . . . . *1137561875
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 180088939
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 281431
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 72%
  Seek time full . . . . . 73%
  Reallocated sectors . . . . . 21
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 30
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . . B3092831
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 82720
  Sectors read . . . . . *1153886796
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0

```

```

ECC read errors . . . . . 0
Sectors written . . . . . 180648144
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 277053
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 68%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 51
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 31
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . . B3099858
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 82720
  Sectors read . . . . . *1153572455
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 180878682
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 275978
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 69%
  Seek time full . . . . . 71%
  Reallocated sectors . . . . . 36
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 32
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . . B3092471
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 82720
  Sectors read . . . . . *1151895542
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 180330680
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 279333
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 72%
  Seek time full . . . . . 73%

```

```

Reallocated sectors . . . 42
Recovers read failed . . . 0
Bus faults . . . . . 0

Hard Drive 33
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . . B3092750
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82720
Sectors read . . . . . *1151783741
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 180186265
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 279174
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 72%
Seek time full . . . . . 73%
Reallocated sectors . . . . . 79
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 34
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . . B3093437
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82720
Sectors read . . . . . *1151966897
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 177910402
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 278264
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 24
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 35
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . . B3093254
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes

```

```

Reference time . . . . . 82713
Sectors read . . . . . *1151908175
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 179917824
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 278793
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 72%
Reallocated sectors . . . . . 54
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 36
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . . B3091851
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82712
Sectors read . . . . . *1135663412
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 179280691
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 279335
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 57
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 37
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . . B3092343
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 82712
Sectors read . . . . . *1137514645
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 177925740
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 277746
Seek errors . . . . . 0
Spin cycles . . . . . 0

```

Spin up time 0
Seek time track 36%
Seek time third 69%
Seek time full 71%
Reallocated sectors 21
Recovers read failed 0
Bus faults 0

Hard Drive 38
SCSI Bus 2
SCSI ID 4
Serial Number B3092989
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82712
Sectors read *1137664683
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 180265488
Hard write errors 0
Write errors retry 0
Seek count 280375
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 71%
Seek time full 72%
Reallocated sectors 129
Recovers read failed 0
Bus faults 0

Hard Drive 39
SCSI Bus 2
SCSI ID 5
Serial Number B3093087
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82712
Sectors read *1137957294
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 180481941
Hard write errors 0
Write errors retry 0
Seek count 278437
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 71%
Seek time full 71%
Reallocated sectors 78
Recovers read failed 0
Bus faults 0

Hard Drive 40
SCSI Bus 2
SCSI ID 6

Serial Number B3093236
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82712
Sectors read *1137692843
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 180141831
Hard write errors 0
Write errors retry 0
Seek count 277226
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 40%
Seek time third 73%
Seek time full 73%
Reallocated sectors 12
Recovers read failed 0
Bus faults 0

Hard Drive 41
SCSI Bus 2
SCSI ID 0
Serial Number B3094747
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82712
Sectors read *1137127526
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 180037759
Hard write errors 0
Write errors retry 0
Seek count 276863
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 69%
Seek time full 71%
Reallocated sectors 35
Recovers read failed 0
Bus faults 0

Hard Drive 42
SCSI Bus 2
SCSI ID 1
Serial Number B3094776
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 82712
Sectors read *1137236763
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 180237645
Hard write errors 0

```

Write errors retry . . . . . 0
Seek count . . . . . 278263
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 71%
Seek time full . . . . . 72%
Reallocated sectors . . . . . 45
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Drive Controller 4, Compaq Smart Array 4200 Controller
IDA Firmware Revision . . . . . 1.10
Array Accelerator Memory . . . . . 57344 Kbytes
Accelerator Status . . . . . Not Configured
Battery count . . . . . 3
Batteries charged . . . . . 3
Batteries failed . . . . . 0
ProLiant . . . . . Bus 1, Rev. JB46
ProLiant . . . . . Bus 2, Rev. JB46
ProLiant . . . . . Bus 3, Rev. JB46

Logical Drive 1 . . . . . 32031 Megabyte
Fault Tolerance . . . . . None
OS Format . . . . . Multi-Sector Distribution
Drive geometry (Cyl, Hds, Sec) 7667, 255, 32
Array Accelerator . . . . . Disabled

Hard Drive 1
SCSI Bus . . . . . 1
SCSI ID . . . . . 0
Serial Number . . . . . B3095012
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 80350
Sectors read . . . . . 2094122235
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 140975820
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 284240
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 0%
Seek time third . . . . . 0%
Seek time full . . . . . 0%
Reallocated sectors . . . . . 35
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 2
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . . B3094803
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 80350

```

```

Sectors read . . . . . 2094360587
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 140433858
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 281776
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 0%
Seek time third . . . . . 0%
Seek time full . . . . . 0%
Reallocated sectors . . . . . 60
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 3
SCSI Bus . . . . . 1
SCSI ID . . . . . 2
Serial Number . . . . . B3095069
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 80350
Sectors read . . . . . 2094399936
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 140892548
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 282304
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 0%
Seek time third . . . . . 0%
Seek time full . . . . . 0%
Reallocated sectors . . . . . 133
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 4
SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . . B3092481
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 80350
Sectors read . . . . . 2094949480
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 140723376
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 278080
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0

```

Seek time track 0%
Seek time third 0%
Seek time full 0%
Reallocated sectors 29
Recovers read failed 0
Bus faults 0

Hard Drive 5
SCSI Bus 1
SCSI ID 4
Serial Number B3094805
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 80350
Sectors read 2093794202
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 140280386
Hard write errors 0
Write errors retry 0
Seek count 280720
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 0%
Seek time third 0%
Seek time full 0%
Reallocated sectors 144
Recovers read failed 0
Bus faults 0

Hard Drive 6
SCSI Bus 1
SCSI ID 5
Serial Number B3099996
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 80350
Sectors read 2095352221
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 140965439
Hard write errors 0
Write errors retry 0
Seek count 281952
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 0%
Seek time third 0%
Seek time full 0%
Reallocated sectors 30
Recovers read failed 0
Bus faults 0

Hard Drive 7
SCSI Bus 1
SCSI ID 1
Serial Number B3092619

Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 80350
Sectors read 2093938822
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 140653866
Hard write errors 0
Write errors retry 0
Seek count 282832
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 0%
Seek time third 0%
Seek time full 0%
Reallocated sectors 15
Recovers read failed 0
Bus faults 0

Hard Drive 8
SCSI Bus 1
SCSI ID 2
Serial Number B3095062
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 80350
Sectors read 2095315127
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 141402539
Hard write errors 0
Write errors retry 0
Seek count 285472
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 0%
Seek time third 0%
Seek time full 0%
Reallocated sectors 37
Recovers read failed 0
Bus faults 0

Hard Drive 9
SCSI Bus 1
SCSI ID 3
Serial Number B3094393
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 80350
Sectors read 2092761676
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 140313708
Hard write errors 0
Write errors retry 0

Seek count 286000
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 0%
Seek time third 0%
Seek time full 0%
Reallocated sectors 143
Recovers read failed 0
Bus faults 0

Hard Drive 10
SCSI Bus 1
SCSI ID 4
Serial Number B3095042
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 80350
Sectors read 2094587503
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 140627103
Hard write errors 0
Write errors retry 0
Seek count 288640
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 0%
Seek time third 0%
Seek time full 0%
Reallocated sectors 24
Recovers read failed 0
Bus faults 0

Hard Drive 11
SCSI Bus 1
SCSI ID 5
Serial Number B3092407
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 80350
Sectors read 2094569998
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 140731347
Hard write errors 0
Write errors retry 0
Seek count 294976
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 0%
Seek time third 0%
Seek time full 0%
Reallocated sectors 40
Recovers read failed 0
Bus faults 0

Hard Drive 12
SCSI Bus 1
SCSI ID 6
Serial Number B3094971
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 80350
Sectors read 2093495195
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 140547457
Hard write errors 0
Write errors retry 0
Seek count 286176
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 0%
Seek time third 0%
Seek time full 0%
Reallocated sectors 43
Recovers read failed 0
Bus faults 0

Hard Drive 13
SCSI Bus 1
SCSI ID 0
Serial Number B3095568
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 80350
Sectors read 2096173104
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 141436251
Hard write errors 0
Write errors retry 0
Seek count 284944
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 0%
Seek time third 0%
Seek time full 0%
Reallocated sectors 12
Recovers read failed 0
Bus faults 0

Hard Drive 14
SCSI Bus 1
SCSI ID 1
Serial Number B3092511
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 80350
Sectors read 2096267384
Hard read errors 0
Read errors retry 0

ECC read errors 0
 Sectors written 141512063
 Hard write errors 0
 Write errors retry 0
 Seek count 287584
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 0%
 Seek time third 0%
 Seek time full 0%
 Reallocated sectors 67
 Recovers read failed 0
 Bus faults 0

Hard Drive 15
 SCSI Bus 2
 SCSI ID 0
 Serial Number B3099592
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 81808
 Sectors read 2094771286
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 140737516
 Hard write errors 0
 Write errors retry 0
 Seek count 285648
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 73%
 Seek time full 73%
 Reallocated sectors 67
 Recovers read failed 0
 Bus faults 0

Hard Drive 16
 SCSI Bus 2
 SCSI ID 1
 Serial Number B3092866
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 81808
 Sectors read 2093214411
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 140026469
 Hard write errors 0
 Write errors retry 0
 Seek count 286704
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 68%
 Seek time full 71%

Reallocated sectors 42
 Recovers read failed 0
 Bus faults 0

Hard Drive 17
 SCSI Bus 2
 SCSI ID 2
 Serial Number B3099797
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 81810
 Sectors read 2094257754
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 140516849
 Hard write errors 0
 Write errors retry 0
 Seek count 284768
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 68%
 Seek time full 71%
 Reallocated sectors 54
 Recovers read failed 0
 Bus faults 0

Hard Drive 18
 SCSI Bus 2
 SCSI ID 3
 Serial Number B3093213
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 81810
 Sectors read 2094755699
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 140587983
 Hard write errors 0
 Write errors retry 0
 Seek count 282480
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 71%
 Seek time full 72%
 Reallocated sectors 12
 Recovers read failed 0
 Bus faults 0

Hard Drive 19
 SCSI Bus 2
 SCSI ID 4
 Serial Number B3092388
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes

```

Reference time . . . . . 81810
Sectors read . . . . . 2093963703
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 140818069
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 283184
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 71%
Seek time full . . . . . 72%
Reallocated sectors . . . . . 40
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 20
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . . B3099796
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 81810
  Sectors read . . . . . 2095143072
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 141158452
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 285472
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 68%
  Seek time full . . . . . 71%
  Reallocated sectors . . . . . 68
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 21
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . . B3093312
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 81810
  Sectors read . . . . . 2093692654
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 140254902
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 287936
  Seek errors . . . . . 0
  Spin cycles . . . . . 0

```

```

Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 72%
Seek time full . . . . . 73%
Reallocated sectors . . . . . 54
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 22
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . . B3091985
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 81810
  Sectors read . . . . . 2095146425
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 141207949
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 286528
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 71%
  Seek time full . . . . . 71%
  Reallocated sectors . . . . . 63
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 23
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . . B3093373
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 81810
  Sectors read . . . . . 2093906466
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 141840586
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 284768
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 68%
  Seek time full . . . . . 71%
  Reallocated sectors . . . . . 30
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 24
SCSI Bus . . . . . 2
SCSI ID . . . . . 4

```

```

Serial Number . . . . . B3092733
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 81810
  Sectors read . . . . . 2094241276
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 141907484
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 286880
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 72%
  Seek time full . . . . . 73%
  Reallocated sectors . . . . . 24
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 25
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . . B3093221
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 81811
  Sectors read . . . . . 2093470550
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 141583180
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 287232
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 68%
  Seek time full . . . . . 71%
  Reallocated sectors . . . . . 30
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 26
SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . . B3099314
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 81811
  Sectors read . . . . . 2094380750
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 142092113
  Hard write errors . . . . . 0

```

```

Write errors retry . . . . . 0
Seek count . . . . . 286880
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 72%
Seek time full . . . . . 73%
Reallocated sectors . . . . . 19
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 27
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . . B3090417
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 81811
  Sectors read . . . . . 2094453322
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 141989299
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 285472
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 69%
  Seek time full . . . . . 71%
  Reallocated sectors . . . . . 64
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 28
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . . B3099783
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 81811
  Sectors read . . . . . 2093173820
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 141185880
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 285472
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 67%
  Seek time full . . . . . 70%
  Reallocated sectors . . . . . 15
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 29
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . . B3093020
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81811
Sectors read . . . . . 2094285859
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 141749517
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 283712
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 71%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 221
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 30
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . . B3093232
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81811
Sectors read . . . . . 2094371043
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 141938582
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 284240
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 71%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 38
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 31
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . . B3092496
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81811
Sectors read . . . . . 2095073565
Hard read errors . . . . . 0

```

```

Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 142392675
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 286528
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 33
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 32
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . . B3093462
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81811
Sectors read . . . . . 2094114188
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 142313269
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 286000
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 68%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 141
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 33
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . . B3099965
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81811
Sectors read . . . . . 2093336753
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 140646138
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 284944
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%

```

```

Seek time full . . . . . 71%
Reallocated sectors . . . 30
Recovers read failed . . . 0
Bus faults . . . . . 0

Hard Drive 34
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . . B3093154
Firmware Revision 1 . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81811
Sectors read . . . . . 2092729536
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 141474849
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 286528
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . 23
Recovers read failed . . . 0
Bus faults . . . . . 0

Hard Drive 35
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . . B3093085
Firmware Revision 1 . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81812
Sectors read . . . . . 2093586469
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 141322926
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 286880
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . 58
Recovers read failed . . . 0
Bus faults . . . . . 0

Hard Drive 36
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . . B3093403
Firmware Revision 1 . . . . B016
Model Number . . . . . COMPAQ BD009122C6

```

```

Initialized for Monitoring . Yes
Reference time . . . . . 81812
Sectors read . . . . . 2093134943
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 141636130
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 286000
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 71%
Seek time full . . . . . 71%
Reallocated sectors . . . 89
Recovers read failed . . . 0
Bus faults . . . . . 0

Hard Drive 37
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . . B3093865
Firmware Revision 1 . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81812
Sectors read . . . . . 2093999695
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 141745385
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 287760
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 72%
Seek time full . . . . . 72%
Reallocated sectors . . . 47
Recovers read failed . . . 0
Bus faults . . . . . 0

Hard Drive 38
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . . B3099313
Firmware Revision 1 . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81812
Sectors read . . . . . 2094870609
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 142166527
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 287760
Seek errors . . . . . 0

```

Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 72%
Seek time full 73%
Reallocated sectors 54
Recovers read failed 0
Bus faults 0

Hard Drive 39
SCSI Bus 2
SCSI ID 5
Serial Number B3100064
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 81812
Sectors read 2093920746
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 141907717
Hard write errors 0
Write errors retry 0
Seek count 286528
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 71%
Seek time full 72%
Reallocated sectors 56
Recovers read failed 0
Bus faults 0

Hard Drive 40
SCSI Bus 2
SCSI ID 6
Serial Number B3093230
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 81812
Sectors read 2093540543
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 141605756
Hard write errors 0
Write errors retry 0
Seek count 288112
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 69%
Seek time full 72%
Reallocated sectors 52
Recovers read failed 0
Bus faults 0

Hard Drive 41
SCSI Bus 2

SCSI ID 0
Serial Number B3093262
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 81812
Sectors read 2093775311
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 141294616
Hard write errors 0
Write errors retry 0
Seek count 286704
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 68%
Seek time full 70%
Reallocated sectors 33
Recovers read failed 0
Bus faults 0

Hard Drive 42
SCSI Bus 2
SCSI ID 1
Serial Number B3093045
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 81812
Sectors read 2092858447
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 141110076
Hard write errors 0
Write errors retry 0
Seek count 285120
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 71%
Seek time full 71%
Reallocated sectors 39
Recovers read failed 0
Bus faults 0

Logical Drive 2 26211 Megabyte
Fault Tolerance None
OS Format Multi-Sector Distribution
Drive geometry (Cyl, Hds, Sec) 6274, 255, 32
Array Accelerator Disabled

Hard Drive 1
SCSI Bus 1
SCSI ID 0
Serial Number B3095012
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes

```

Reference time . . . . . 80351
Sectors read . . . . . 2094122235
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 140975820
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 284416
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 0%
Seek time third . . . . . 0%
Seek time full . . . . . 0%
Reallocated sectors . . . . . 35
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 2
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . . B3094803
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 80351
  Sectors read . . . . . 2094360587
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 140433858
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 281952
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 0%
  Seek time third . . . . . 0%
  Seek time full . . . . . 0%
  Reallocated sectors . . . . . 60
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 3
SCSI Bus . . . . . 1
SCSI ID . . . . . 2
Serial Number . . . . . B3095069
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 80351
  Sectors read . . . . . 2094399936
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 140892548
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 282480
  Seek errors . . . . . 0
  Spin cycles . . . . . 0

```

```

Spin up time . . . . . 0
Seek time track . . . . . 0%
Seek time third . . . . . 0%
Seek time full . . . . . 0%
Reallocated sectors . . . . . 133
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 4
SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . . B3092481
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 80351
  Sectors read . . . . . 2094949480
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 140723376
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 278256
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 0%
  Seek time third . . . . . 0%
  Seek time full . . . . . 0%
  Reallocated sectors . . . . . 29
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 5
SCSI Bus . . . . . 1
SCSI ID . . . . . 4
Serial Number . . . . . B3094805
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 80351
  Sectors read . . . . . 2093794202
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 140280386
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 280896
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 0%
  Seek time third . . . . . 0%
  Seek time full . . . . . 0%
  Reallocated sectors . . . . . 144
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 6
SCSI Bus . . . . . 1
SCSI ID . . . . . 5

```

```

Serial Number . . . . . B3099996
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 80351
  Sectors read . . . . . 2095352221
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 140965439
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 282128
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 0%
  Seek time third . . . . . 0%
  Seek time full . . . . . 0%
  Reallocated sectors . . . . . 30
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 7
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . . B3092619
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 80351
  Sectors read . . . . . 2093938822
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 140653866
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 283008
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 0%
  Seek time third . . . . . 0%
  Seek time full . . . . . 0%
  Reallocated sectors . . . . . 15
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 8
SCSI Bus . . . . . 1
SCSI ID . . . . . 2
Serial Number . . . . . B3095062
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 80351
  Sectors read . . . . . 2095315127
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 141402539
  Hard write errors . . . . . 0

```

```

Write errors retry . . . . . 0
Seek count . . . . . 285648
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 0%
Seek time third . . . . . 0%
Seek time full . . . . . 0%
Reallocated sectors . . . . . 37
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 9
SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . . B3094393
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 80351
  Sectors read . . . . . 2092761676
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 140313708
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 286176
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 0%
  Seek time third . . . . . 0%
  Seek time full . . . . . 0%
  Reallocated sectors . . . . . 143
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 10
SCSI Bus . . . . . 1
SCSI ID . . . . . 4
Serial Number . . . . . B3095042
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 80351
  Sectors read . . . . . 2094587503
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 140627103
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 288816
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 0%
  Seek time third . . . . . 0%
  Seek time full . . . . . 0%
  Reallocated sectors . . . . . 24
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

```



```

Hard Drive 11
SCSI Bus . . . . . 1
SCSI ID . . . . . 5
Serial Number . . . . . B3092407
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 80351
Sectors read . . . . . 2094569998
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 140731347
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 295152
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 0%
Seek time third . . . . . 0%
Seek time full . . . . . 0%
Reallocated sectors . . . . . 40
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 12
SCSI Bus . . . . . 1
SCSI ID . . . . . 6
Serial Number . . . . . B3094971
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 80351
Sectors read . . . . . 2093495195
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 140547457
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 286352
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 0%
Seek time third . . . . . 0%
Seek time full . . . . . 0%
Reallocated sectors . . . . . 43
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 13
SCSI Bus . . . . . 1
SCSI ID . . . . . 0
Serial Number . . . . . B3095568
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 80351
Sectors read . . . . . 2096173104
Hard read errors . . . . . 0

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```

Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 141436251
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 285120
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 0%
Seek time third . . . . . 0%
Seek time full . . . . . 0%
Reallocated sectors . . . . . 12
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 14
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . . B3092511
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 80351
Sectors read . . . . . 2096267384
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 141512063
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 287760
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 0%
Seek time third . . . . . 0%
Seek time full . . . . . 0%
Reallocated sectors . . . . . 67
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 15
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . . B3099592
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81809
Sectors read . . . . . 2094771286
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 140737516
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 285824
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 73%

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```

Seek time full . . . . . 73%
Reallocated sectors . . . 67
Recovers read failed . . . 0
Bus faults . . . . . 0

Hard Drive 16
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . . B3092866
Firmware Revision 1 . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81809
Sectors read . . . . . 2093214411
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 140026469
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 286880
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 68%
Seek time full . . . . . 71%
Reallocated sectors . . . 42
Recovers read failed . . . 0
Bus faults . . . . . 0

Hard Drive 17
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . . B3099797
Firmware Revision 1 . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81810
Sectors read . . . . . 2094257754
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 140516849
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 284944
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 68%
Seek time full . . . . . 71%
Reallocated sectors . . . 54
Recovers read failed . . . 0
Bus faults . . . . . 0

Hard Drive 18
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . . B3093213
Firmware Revision 1 . . . . B016
Model Number . . . . . COMPAQ BD009122C6

```

```

Initialized for Monitoring . Yes
Reference time . . . . . 81810
Sectors read . . . . . 2094755699
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 140587983
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 282656
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 71%
Seek time full . . . . . 72%
Reallocated sectors . . . 12
Recovers read failed . . . 0
Bus faults . . . . . 0

Hard Drive 19
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . . B3092388
Firmware Revision 1 . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81810
Sectors read . . . . . 2093963703
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 140818069
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 283360
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 71%
Seek time full . . . . . 72%
Reallocated sectors . . . 40
Recovers read failed . . . 0
Bus faults . . . . . 0

Hard Drive 20
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . . B3099796
Firmware Revision 1 . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81810
Sectors read . . . . . 2095143072
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 141158452
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 285648
Seek errors . . . . . 0

```

Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 68%
Seek time full 71%
Reallocated sectors 68
Recovers read failed 0
Bus faults 0

Hard Drive 21
SCSI Bus 2
SCSI ID 1
Serial Number B3093312
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 81810
Sectors read 2093692654
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 140254902
Hard write errors 0
Write errors retry 0
Seek count 288112
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 72%
Seek time full 73%
Reallocated sectors 54
Recovers read failed 0
Bus faults 0

Hard Drive 22
SCSI Bus 2
SCSI ID 2
Serial Number B3091985
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 81810
Sectors read 2095146425
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 141207949
Hard write errors 0
Write errors retry 0
Seek count 286704
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 71%
Seek time full 71%
Reallocated sectors 63
Recovers read failed 0
Bus faults 0

Hard Drive 23
SCSI Bus 2

SCSI ID 3
Serial Number B3093373
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 81810
Sectors read 2093906466
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 141840586
Hard write errors 0
Write errors retry 0
Seek count 284944
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 68%
Seek time full 71%
Reallocated sectors 30
Recovers read failed 0
Bus faults 0

Hard Drive 24
SCSI Bus 2
SCSI ID 4
Serial Number B3092733
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 81810
Sectors read 2094241276
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 141907484
Hard write errors 0
Write errors retry 0
Seek count 287056
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 72%
Seek time full 73%
Reallocated sectors 24
Recovers read failed 0
Bus faults 0

Hard Drive 25
SCSI Bus 2
SCSI ID 5
Serial Number B3093221
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 81811
Sectors read 2093470550
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 141583180

Hard write errors 0
 Write errors retry 0
 Seek count 287408
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 68%
 Seek time full 71%
 Reallocated sectors 30
 Recovers read failed 0
 Bus faults 0

Hard Drive 26
 SCSI Bus 2
 SCSI ID 6
 Serial Number B3099314
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 81811
 Sectors read 2094380750
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 142092113
 Hard write errors 0
 Write errors retry 0
 Seek count 287056
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 72%
 Seek time full 73%
 Reallocated sectors 19
 Recovers read failed 0
 Bus faults 0

Hard Drive 27
 SCSI Bus 2
 SCSI ID 0
 Serial Number B3090417
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 81811
 Sectors read 2094453322
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 141989299
 Hard write errors 0
 Write errors retry 0
 Seek count 285648
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 69%
 Seek time full 71%
 Reallocated sectors 64
 Recovers read failed 0

Bus faults 0
 Hard Drive 28
 SCSI Bus 2
 SCSI ID 1
 Serial Number B3099783
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 81811
 Sectors read 2093173820
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 141185880
 Hard write errors 0
 Write errors retry 0
 Seek count 285648
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 67%
 Seek time full 70%
 Reallocated sectors 15
 Recovers read failed 0
 Bus faults 0

Hard Drive 29
 SCSI Bus 2
 SCSI ID 0
 Serial Number B3093020
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 81811
 Sectors read 2094285859
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 141749517
 Hard write errors 0
 Write errors retry 0
 Seek count 283888
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 71%
 Seek time full 71%
 Reallocated sectors 221
 Recovers read failed 0
 Bus faults 0

Hard Drive 30
 SCSI Bus 2
 SCSI ID 1
 Serial Number B3093232
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 81811
 Sectors read 2094371043

```

Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 141938582
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 284416
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 71%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 38
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 31
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . . B3092496
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81811
Sectors read . . . . . 2095073565
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 142392675
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 286704
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 33
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 32
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . . B3093462
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81811
Sectors read . . . . . 2094114188
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 142313269
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 286176
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%

```

```

Seek time third . . . . . 68%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 141
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 33
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . . B3099965
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81811
Sectors read . . . . . 2093336753
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 140646138
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 285120
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 30
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 34
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . . B3093154
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81811
Sectors read . . . . . 2092729536
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 141474849
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 286704
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 23
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 35
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . . B3093085
Firmware Revision 1 . . . . . B016

```

Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 81812
 Sectors read 2093586469
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 141322926
 Hard write errors 0
 Write errors retry 0
 Seek count 287056
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 69%
 Seek time full 71%
 Reallocated sectors 58
 Recovers read failed 0
 Bus faults 0

Hard Drive 36
 SCSI Bus 2
 SCSI ID 2
 Serial Number B3093403
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 81812
 Sectors read 2093134943
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 141636130
 Hard write errors 0
 Write errors retry 0
 Seek count 286176
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 71%
 Seek time full 71%
 Reallocated sectors 89
 Recovers read failed 0
 Bus faults 0

Hard Drive 37
 SCSI Bus 2
 SCSI ID 3
 Serial Number B3093865
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 81812
 Sectors read 2093999695
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 141745385
 Hard write errors 0
 Write errors retry 0
 Seek count 287936

Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 72%
 Seek time full 72%
 Reallocated sectors 47
 Recovers read failed 0
 Bus faults 0

Hard Drive 38
 SCSI Bus 2
 SCSI ID 4
 Serial Number B3099313
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 81812
 Sectors read 2094870609
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 142166527
 Hard write errors 0
 Write errors retry 0
 Seek count 287936
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 72%
 Seek time full 73%
 Reallocated sectors 54
 Recovers read failed 0
 Bus faults 0

Hard Drive 39
 SCSI Bus 2
 SCSI ID 5
 Serial Number B3100064
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 81812
 Sectors read 2093920746
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 141907717
 Hard write errors 0
 Write errors retry 0
 Seek count 286704
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 71%
 Seek time full 72%
 Reallocated sectors 56
 Recovers read failed 0
 Bus faults 0

Hard Drive 40

```

SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . . B3093230
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 81813
  Sectors read . . . . . 2093540543
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 141605756
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 288288
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 69%
  Seek time full . . . . . 72%
  Reallocated sectors . . . . . 52
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 41
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . . B3093262
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 81813
  Sectors read . . . . . 2093775311
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 141294616
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 286880
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 68%
  Seek time full . . . . . 70%
  Reallocated sectors . . . . . 33
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 42
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . . B3093045
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 81813
  Sectors read . . . . . 2092858447
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0

```

```

Sectors written . . . . . 141110076
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 285296
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 71%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 39
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Logical Drive 3 . . . . . 161960 Megabyte
Fault Tolerance . . . . . Mirroring
OS Format . . . . . Multi-Sector Distribution
Drive geometry (Cyl, Hds, Sec) -26770, 255, 32
Array Accelerator . . . . . Disabled

```

```

Hard Drive 1
SCSI Bus . . . . . 1
SCSI ID . . . . . 0
Serial Number . . . . . B3095012
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 80352
  Sectors read . . . . . 2094122235
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 140975820
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 284592
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 0%
  Seek time third . . . . . 0%
  Seek time full . . . . . 0%
  Reallocated sectors . . . . . 35
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 2
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . . B3094803
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 80352
  Sectors read . . . . . 2094360587
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 140433858
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 282128
  Seek errors . . . . . 0

```

Spin cycles 0
Spin up time 0
Seek time track 0%
Seek time third 0%
Seek time full 0%
Reallocated sectors 60
Recovers read failed 0
Bus faults 0

Hard Drive 3
SCSI Bus 1
SCSI ID 2
Serial Number B3095069
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 80352
Sectors read 2094399936
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 140892548
Hard write errors 0
Write errors retry 0
Seek count 282656
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 0%
Seek time third 0%
Seek time full 0%
Reallocated sectors 133
Recovers read failed 0
Bus faults 0

Hard Drive 4
SCSI Bus 1
SCSI ID 3
Serial Number B3092481
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 80352
Sectors read 2094949480
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 140723376
Hard write errors 0
Write errors retry 0
Seek count 278432
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 0%
Seek time third 0%
Seek time full 0%
Reallocated sectors 29
Recovers read failed 0
Bus faults 0

Hard Drive 5
SCSI Bus 1

SCSI ID 4
Serial Number B3094805
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 80352
Sectors read 2093794202
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 140280386
Hard write errors 0
Write errors retry 0
Seek count 281072
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 0%
Seek time third 0%
Seek time full 0%
Reallocated sectors 144
Recovers read failed 0
Bus faults 0

Hard Drive 6
SCSI Bus 1
SCSI ID 5
Serial Number B3099996
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 80352
Sectors read 2095352221
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 140965439
Hard write errors 0
Write errors retry 0
Seek count 282304
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 0%
Seek time third 0%
Seek time full 0%
Reallocated sectors 30
Recovers read failed 0
Bus faults 0

Hard Drive 7
SCSI Bus 1
SCSI ID 1
Serial Number B3092619
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 80352
Sectors read 2093938822
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 140653866


```

Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 283184
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 0%
Seek time third . . . . . 0%
Seek time full . . . . . 0%
Reallocated sectors . . . . . 15
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 8
SCSI Bus . . . . . 1
SCSI ID . . . . . 2
Serial Number . . . . . B3095062
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 80352
Sectors read . . . . . 2095315127
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 141402539
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 285824
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 0%
Seek time third . . . . . 0%
Seek time full . . . . . 0%
Reallocated sectors . . . . . 37
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 9
SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . . B3094393
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 80352
Sectors read . . . . . 2092761676
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 140313708
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 286352
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 0%
Seek time third . . . . . 0%
Seek time full . . . . . 0%
Reallocated sectors . . . . . 143
Recovers read failed . . . . . 0

```

```

Bus faults . . . . . 0

Hard Drive 10
SCSI Bus . . . . . 1
SCSI ID . . . . . 4
Serial Number . . . . . B3095042
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 80352
Sectors read . . . . . 2094587503
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 140627103
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 288992
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 0%
Seek time third . . . . . 0%
Seek time full . . . . . 0%
Reallocated sectors . . . . . 24
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 11
SCSI Bus . . . . . 1
SCSI ID . . . . . 5
Serial Number . . . . . B3092407
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 80352
Sectors read . . . . . 2094569998
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 140731347
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 295328
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 0%
Seek time third . . . . . 0%
Seek time full . . . . . 0%
Reallocated sectors . . . . . 40
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 12
SCSI Bus . . . . . 1
SCSI ID . . . . . 6
Serial Number . . . . . B3094971
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 80352
Sectors read . . . . . 2093495195

```

Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 140547457
 Hard write errors 0
 Write errors retry 0
 Seek count 286528
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 0%
 Seek time third 0%
 Seek time full 0%
 Reallocated sectors 43
 Recovers read failed 0
 Bus faults 0

Hard Drive 13
 SCSI Bus 1
 SCSI ID 0
 Serial Number B3095568
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 80352
 Sectors read 2096173104
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 141436251
 Hard write errors 0
 Write errors retry 0
 Seek count 285296
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 0%
 Seek time third 0%
 Seek time full 0%
 Reallocated sectors 12
 Recovers read failed 0
 Bus faults 0

Hard Drive 14
 SCSI Bus 1
 SCSI ID 1
 Serial Number B3092511
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 80352
 Sectors read 2096267384
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 141512063
 Hard write errors 0
 Write errors retry 0
 Seek count 287936
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 0%

Seek time third 0%
 Seek time full 0%
 Reallocated sectors 67
 Recovers read failed 0
 Bus faults 0

Hard Drive 15
 SCSI Bus 2
 SCSI ID 0
 Serial Number B3099592
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 81810
 Sectors read 2094771286
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 140737516
 Hard write errors 0
 Write errors retry 0
 Seek count 286000
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 73%
 Seek time full 73%
 Reallocated sectors 67
 Recovers read failed 0
 Bus faults 0

Hard Drive 16
 SCSI Bus 2
 SCSI ID 1
 Serial Number B3092866
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 81810
 Sectors read 2093214411
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 140026469
 Hard write errors 0
 Write errors retry 0
 Seek count 287056
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 68%
 Seek time full 71%
 Reallocated sectors 42
 Recovers read failed 0
 Bus faults 0

Hard Drive 17
 SCSI Bus 2
 SCSI ID 2
 Serial Number B3099797
 Firmware Revision 1 B016

Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 81811
 Sectors read 2094257754
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 140516849
 Hard write errors 0
 Write errors retry 0
 Seek count 285120
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 68%
 Seek time full 71%
 Reallocated sectors 54
 Recovers read failed 0
 Bus faults 0

Hard Drive 18
 SCSI Bus 2
 SCSI ID 3
 Serial Number B3093213
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 81811
 Sectors read 2094755699
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 140587983
 Hard write errors 0
 Write errors retry 0
 Seek count 282832
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 71%
 Seek time full 72%
 Reallocated sectors 12
 Recovers read failed 0
 Bus faults 0

Hard Drive 19
 SCSI Bus 2
 SCSI ID 4
 Serial Number B3092388
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 81811
 Sectors read 2093963703
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 140818069
 Hard write errors 0
 Write errors retry 0
 Seek count 283536

Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 71%
 Seek time full 72%
 Reallocated sectors 40
 Recovers read failed 0
 Bus faults 0

Hard Drive 20
 SCSI Bus 2
 SCSI ID 5
 Serial Number B3099796
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 81811
 Sectors read 2095143072
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 141158452
 Hard write errors 0
 Write errors retry 0
 Seek count 285824
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 68%
 Seek time full 71%
 Reallocated sectors 68
 Recovers read failed 0
 Bus faults 0

Hard Drive 21
 SCSI Bus 2
 SCSI ID 1
 Serial Number B3093312
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 81811
 Sectors read 2093692654
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 140254902
 Hard write errors 0
 Write errors retry 0
 Seek count 288288
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 72%
 Seek time full 73%
 Reallocated sectors 54
 Recovers read failed 0
 Bus faults 0

Hard Drive 22

```

SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . . B3091985
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 81811
  Sectors read . . . . . 2095146425
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 141207949
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 286880
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 71%
  Seek time full . . . . . 71%
  Reallocated sectors . . . . . 63
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 23
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . . B3093373
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 81811
  Sectors read . . . . . 2093906466
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 141840586
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 285120
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 68%
  Seek time full . . . . . 71%
  Reallocated sectors . . . . . 30
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 24
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . . B3092733
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 81811
  Sectors read . . . . . 2094241276
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0

```

```

Sectors written . . . . . 141907484
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 287232
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 72%
Seek time full . . . . . 73%
Reallocated sectors . . . . . 24
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 25
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . . B3093221
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 81812
  Sectors read . . . . . 2093470550
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 141583180
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 287584
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 68%
  Seek time full . . . . . 71%
  Reallocated sectors . . . . . 30
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 26
SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . . B3099314
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 81812
  Sectors read . . . . . 2094380750
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 142092113
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 287232
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 72%
  Seek time full . . . . . 73%
  Reallocated sectors . . . . . 19

```

```

Recovers read failed . . . 0
Bus faults . . . . . 0

Hard Drive 27
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . . B3090417
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81812
Sectors read . . . . . 2094453322
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 141989299
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 285824
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 64
Recovers read failed . . . 0
Bus faults . . . . . 0

Hard Drive 28
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . . B3099783
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81812
Sectors read . . . . . 2093173820
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 141185880
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 285824
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 67%
Seek time full . . . . . 70%
Reallocated sectors . . . . 15
Recovers read failed . . . 0
Bus faults . . . . . 0

Hard Drive 29
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . . B3093020
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81812

```

```

Sectors read . . . . . 2094285859
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 141749517
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 284064
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 71%
Seek time full . . . . . 71%
Reallocated sectors . . . . 221
Recovers read failed . . . 0
Bus faults . . . . . 0

Hard Drive 30
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . . B3093232
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81812
Sectors read . . . . . 2094371043
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 141938582
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 284592
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 71%
Seek time full . . . . . 71%
Reallocated sectors . . . . 38
Recovers read failed . . . 0
Bus faults . . . . . 0

Hard Drive 31
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . . B3092496
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81812
Sectors read . . . . . 2095073565
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 142392675
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 286880
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0

```

Seek time track 36%
Seek time third 69%
Seek time full 71%
Reallocated sectors 33
Recovers read failed 0
Bus faults 0

Hard Drive 32

SCSI Bus 2
SCSI ID 3
Serial Number B3093462
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 81812
Sectors read 2094114188
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 142313269
Hard write errors 0
Write errors retry 0
Seek count 286352
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 68%
Seek time full 71%
Reallocated sectors 141
Recovers read failed 0
Bus faults 0

Hard Drive 33

SCSI Bus 2
SCSI ID 4
Serial Number B3099965
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 81812
Sectors read 2093336753
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 140646138
Hard write errors 0
Write errors retry 0
Seek count 285296
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 69%
Seek time full 71%
Reallocated sectors 30
Recovers read failed 0
Bus faults 0

Hard Drive 34

SCSI Bus 2
SCSI ID 5
Serial Number B3093154

Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 81812
Sectors read 2092729536
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 141474849
Hard write errors 0
Write errors retry 0
Seek count 286880
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 69%
Seek time full 71%
Reallocated sectors 23
Recovers read failed 0
Bus faults 0

Hard Drive 35

SCSI Bus 2
SCSI ID 1
Serial Number B3093085
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 81813
Sectors read 2093586469
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 141322926
Hard write errors 0
Write errors retry 0
Seek count 287232
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 69%
Seek time full 71%
Reallocated sectors 58
Recovers read failed 0
Bus faults 0

Hard Drive 36

SCSI Bus 2
SCSI ID 2
Serial Number B3093403
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 81813
Sectors read 2093134943
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 141636130
Hard write errors 0
Write errors retry 0

Seek count 286352
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 71%
Seek time full 71%
Reallocated sectors 89
Recovers read failed 0
Bus faults 0

Hard Drive 37
SCSI Bus 2
SCSI ID 3
Serial Number B3093865
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 81813
Sectors read 2093999695
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 141745385
Hard write errors 0
Write errors retry 0
Seek count 288112
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 72%
Seek time full 72%
Reallocated sectors 47
Recovers read failed 0
Bus faults 0

Hard Drive 38
SCSI Bus 2
SCSI ID 4
Serial Number B3099313
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 81813
Sectors read 2094870609
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 142166527
Hard write errors 0
Write errors retry 0
Seek count 288112
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 72%
Seek time full 73%
Reallocated sectors 54
Recovers read failed 0
Bus faults 0

Hard Drive 39
SCSI Bus 2
SCSI ID 5
Serial Number B3100064
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 81813
Sectors read 2093920746
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 141907717
Hard write errors 0
Write errors retry 0
Seek count 286880
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 71%
Seek time full 72%
Reallocated sectors 56
Recovers read failed 0
Bus faults 0

Hard Drive 40
SCSI Bus 2
SCSI ID 6
Serial Number B3093230
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 81813
Sectors read 2093540543
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 141605756
Hard write errors 0
Write errors retry 0
Seek count 288464
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 69%
Seek time full 72%
Reallocated sectors 52
Recovers read failed 0
Bus faults 0

Hard Drive 41
SCSI Bus 2
SCSI ID 0
Serial Number B3093262
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 81813
Sectors read 2093775311
Hard read errors 0
Read errors retry 0

ECC read errors 0
Sectors written 141294616
Hard write errors 0
Write errors retry 0
Seek count 287056
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 68%
Seek time full 70%
Reallocated sectors 33
Recovers read failed 0
Bus faults 0

Hard Drive 42

SCSI Bus 2
SCSI ID 1
Serial Number B3093045
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 81813
Sectors read 2092858447
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 141110076
Hard write errors 0
Write errors retry 0
Seek count 285472
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 71%
Seek time full 71%
Reallocated sectors 39
Recovers read failed 0
Bus faults 0

Drive Controller 5, Compaq Smart Array 4200 Controller

IDA Firmware Revision 1.10
Array Accelerator Memory 57344 Kbytes
Accelerator Status Not Configured
Battery count 3
Batteries charged 3
Batteries failed 0
ProLiant Bus 1, Rev. JB46
ProLiant Bus 2, Rev. JB46
ProLiant Bus 3, Rev. JB46

Logical Drive 1 32031 Megabyte
Fault Tolerance None
OS Format Multi-Sector Distribution
Drive geometry (Cyl, Hds, Sec) 7667, 255, 32
Array Accelerator Disabled

Hard Drive 1

SCSI Bus 1
SCSI ID 0
Serial Number B3099745
Firmware Revision 1 B016

Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 81813
Sectors read 2057998557
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 140937826
Hard write errors 0
Write errors retry 0
Seek count 289872
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 72%
Seek time full 73%
Reallocated sectors 52
Recovers read failed 0
Bus faults 0

Hard Drive 2

SCSI Bus 1
SCSI ID 1
Serial Number B3099803
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 81813
Sectors read 2058176692
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 140994529
Hard write errors 0
Write errors retry 0
Seek count 286704
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 69%
Seek time full 71%
Reallocated sectors 30
Recovers read failed 0
Bus faults 0

Hard Drive 3

SCSI Bus 1
SCSI ID 2
Serial Number B3092597
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 81813
Sectors read 2058348647
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 141326509
Hard write errors 0
Write errors retry 0
Seek count 285824


```

Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 68%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 21
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 4
SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . . B3092847
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81813
Sectors read . . . . . 2059402714
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 141722495
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 286528
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 267
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 5
SCSI Bus . . . . . 1
SCSI ID . . . . . 4
Serial Number . . . . . B3091086
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81813
Sectors read . . . . . 2058979644
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 140570431
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 287232
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 71%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 133
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 6

```

```

SCSI Bus . . . . . 1
SCSI ID . . . . . 5
Serial Number . . . . . B3092526
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81813
Sectors read . . . . . 2057833920
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 140898499
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 284592
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 68%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 38
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 7
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . . B3092599
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81813
Sectors read . . . . . 2057520291
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 141224775
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 284416
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 77
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 8
SCSI Bus . . . . . 1
SCSI ID . . . . . 2
Serial Number . . . . . B3093122
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81813
Sectors read . . . . . 2057429240
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0

```

Sectors written 141077739
Hard write errors 0
Write errors retry 0
Seek count 284416
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 69%
Seek time full 71%
Reallocated sectors 185
Recovers read failed 0
Bus faults 0

Hard Drive 9
SCSI Bus 1
SCSI ID 3
Serial Number B3094294
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 81813
Sectors read 2057039285
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 140853078
Hard write errors 0
Write errors retry 0
Seek count 291984
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 72%
Seek time full 73%
Reallocated sectors 152
Recovers read failed 0
Bus faults 0

Hard Drive 10
SCSI Bus 1
SCSI ID 4
Serial Number B3092477
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 81813
Sectors read 2059764968
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 141253253
Hard write errors 0
Write errors retry 0
Seek count 294096
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 71%
Seek time full 73%
Reallocated sectors 28

Recovers read failed 0
Bus faults 0

Hard Drive 11
SCSI Bus 1
SCSI ID 5
Serial Number B3093051
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 81813
Sectors read 2057914615
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 141106963
Hard write errors 0
Write errors retry 0
Seek count 292864
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 69%
Seek time full 71%
Reallocated sectors 106
Recovers read failed 0
Bus faults 0

Hard Drive 12
SCSI Bus 1
SCSI ID 6
Serial Number B3092500
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 81813
Sectors read 2057774167
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 140974363
Hard write errors 0
Write errors retry 0
Seek count 296208
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 69%
Seek time full 71%
Reallocated sectors 232
Recovers read failed 0
Bus faults 0

Hard Drive 13
SCSI Bus 1
SCSI ID 0
Serial Number B3092470
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 81813

```

Sectors read . . . . . 2058460171
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 141415426
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 297264
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 68%
Seek time full . . . . . 70%
Reallocated sectors . . . . . 79
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 14
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . . B3093212
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81813
Sectors read . . . . . 2059360092
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 141763708
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 288816
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 71%
Seek time full . . . . . 73%
Reallocated sectors . . . . . 40
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 15
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . . B3092869
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81813
Sectors read . . . . . 2057935220
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 141018629
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 285648
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0

```

```

Seek time track . . . . . 36%
Seek time third . . . . . 71%
Seek time full . . . . . 72%
Reallocated sectors . . . . . 92
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 16
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . . B3093327
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81813
Sectors read . . . . . 2058971300
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 141428948
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 289872
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 33
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 17
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . . B3079992
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81813
Sectors read . . . . . 2082233394
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 141170512
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 284944
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 68%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 62
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 18
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . . B3094065

```

```

Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 81813
  Sectors read . . . . . 2058733121
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 141193478
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 283888
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 71%
  Seek time full . . . . . 72%
  Reallocated sectors . . . . . 12
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 19
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . . B3092486
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 81813
  Sectors read . . . . . 2058491662
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 141551837
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 282832
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 68%
  Seek time full . . . . . 71%
  Reallocated sectors . . . . . 15
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 20
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . . B3099611
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 81814
  Sectors read . . . . . 2058605120
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 141444221
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0

```

```

Seek count . . . . . 285648
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 68%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 42
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 21
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . . B3092897
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 81814
  Sectors read . . . . . 2058160060
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 140875059
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 286528
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 71%
  Seek time full . . . . . 72%
  Reallocated sectors . . . . . 21
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 22
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . . B3092530
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 81814
  Sectors read . . . . . 2057792762
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 142070378
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 289344
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 69%
  Seek time full . . . . . 71%
  Reallocated sectors . . . . . 50
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 23
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . . B3092503
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 81814
  Sectors read . . . . . 2059034654
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 142536356
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 287936
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 68%
  Seek time full . . . . . 71%
  Reallocated sectors . . . . . 42
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 24
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . . B3092623
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 81814
  Sectors read . . . . . 2058580594
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 142299692
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 285648
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 71%
  Seek time full . . . . . 72%
  Reallocated sectors . . . . . 30
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 25
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . . B3092501
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 81814
  Sectors read . . . . . 2057473072
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0

```

```

ECC read errors . . . . . 0
Sectors written . . . . . 141738568
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 284240
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 40%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 21
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 26
SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . . B3093229
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 81814
  Sectors read . . . . . 2057247937
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 143107777
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 285824
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 71%
  Seek time full . . . . . 71%
  Reallocated sectors . . . . . 102
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 27
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . . B3099910
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 81814
  Sectors read . . . . . 2058004814
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 141711128
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 287760
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 71%
  Seek time full . . . . . 72%

```

```

Reallocated sectors . . . 184
Recovers read failed . . . 0
Bus faults . . . . . 0

Hard Drive 28
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . . B3092499
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 81814
  Sectors read . . . . . 2058581623
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 141101346
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 288464
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 71%
  Seek time full . . . . . 72%
  Reallocated sectors . . . . . 21
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

Hard Drive 29
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . . B3093089
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 81814
  Sectors read . . . . . 2058511657
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 141901789
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 285296
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 72%
  Seek time full . . . . . 73%
  Reallocated sectors . . . . . 60
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

Hard Drive 30
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . . B3092489
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes

```

```

Reference time . . . . . 81814
Sectors read . . . . . 2057730629
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 141672688
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 286176
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 71%
Seek time full . . . . . 72%
Reallocated sectors . . . . . 18
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 31
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . . B3079985
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 81814
  Sectors read . . . . . 2057961724
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 143767478
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 285648
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 72%
  Seek time full . . . . . 72%
  Reallocated sectors . . . . . 28
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

Hard Drive 32
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . . B3092615
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 81814
  Sectors read . . . . . 2056690362
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 141476255
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 284064
  Seek errors . . . . . 0
  Spin cycles . . . . . 0

```

```

Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 68%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 69
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 33
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . . B3099706
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81814
Sectors read . . . . . 2057281684
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 141687641
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 282656
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 67%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 54
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 34
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . . B3092906
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81814
Sectors read . . . . . 2057144816
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 141386400
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 284944
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 81
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 35
SCSI Bus . . . . . 2
SCSI ID . . . . . 1

```

```

Serial Number . . . . . B3092323
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81815
Sectors read . . . . . 2057825980
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 141770442
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 282304
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 71%
Seek time full . . . . . 72%
Reallocated sectors . . . . . 58
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 36
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . . B3093080
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81815
Sectors read . . . . . 2057400153
Hard read errors . . . . . 0
Read errors retry . . . . . 2
ECC read errors . . . . . 0
Sectors written . . . . . 141704055
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 286352
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 72%
Reallocated sectors . . . . . 27
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 37
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . . B3094059
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81815
Sectors read . . . . . 2058298683
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 142067968
Hard write errors . . . . . 0

```

Write errors retry 0
 Seek count 287056
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 71%
 Seek time full 72%
 Reallocated sectors 27
 Recovers read failed 0
 Bus faults 0

Hard Drive 38
 SCSI Bus 2
 SCSI ID 4
 Serial Number LJG0535200001931JHH2
 Firmware Revision 1 3B00
 Model Number COMPAQ BD00911934
 Initialized for Monitoring . Yes

Hard Drive 39
 SCSI Bus 2
 SCSI ID 5
 Serial Number B3091117
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 81815
 Sectors read 2058358903
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 142060278
 Hard write errors 0
 Write errors retry 0
 Seek count 283712
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 69%
 Seek time full 71%
 Reallocated sectors 18
 Recovers read failed 0
 Bus faults 0

Hard Drive 40
 SCSI Bus 2
 SCSI ID 6
 Serial Number B3092814
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 81815
 Sectors read 2057810714
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 141799963
 Hard write errors 0
 Write errors retry 0
 Seek count 282832
 Seek errors 0

Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 68%
 Seek time full 71%
 Reallocated sectors 515
 Recovers read failed 0
 Bus faults 0

Hard Drive 41
 SCSI Bus 2
 SCSI ID 0
 Serial Number B3092940
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 81815
 Sectors read 2058841152
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 142229592
 Hard write errors 0
 Write errors retry 0
 Seek count 286000
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 72%
 Seek time full 73%
 Reallocated sectors 39
 Recovers read failed 0
 Bus faults 0

Hard Drive 42
 SCSI Bus 2
 SCSI ID 1
 Serial Number B3099234
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 81815
 Sectors read 2058129998
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 141971737
 Hard write errors 0
 Write errors retry 0
 Seek count 285120
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 71%
 Seek time full 72%
 Reallocated sectors 29
 Recovers read failed 0
 Bus faults 0

Logical Drive 2 26211 Megabyte
 Fault Tolerance None

OS Format Multi-Sector Distribution
Drive geometry (Cyl, Hds, Sec) 6274, 255, 32
Array Accelerator Disabled

Hard Drive 1
SCSI Bus 1
SCSI ID 0
Serial Number B3099745
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 81814
Sectors read 2057998557
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 140937826
Hard write errors 0
Write errors retry 0
Seek count 290048
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 72%
Seek time full 73%
Reallocated sectors 52
Recovers read failed 0
Bus faults 0

Hard Drive 2
SCSI Bus 1
SCSI ID 1
Serial Number B3099803
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 81814
Sectors read 2058176692
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 140994529
Hard write errors 0
Write errors retry 0
Seek count 286880
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 69%
Seek time full 71%
Reallocated sectors 30
Recovers read failed 0
Bus faults 0

Hard Drive 3
SCSI Bus 1
SCSI ID 2
Serial Number B3092597
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes

Reference time 81814
Sectors read 2058348647
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 141326509
Hard write errors 0
Write errors retry 0
Seek count 286000
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 68%
Seek time full 71%
Reallocated sectors 21
Recovers read failed 0
Bus faults 0

Hard Drive 4
SCSI Bus 1
SCSI ID 3
Serial Number B3092847
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 81814
Sectors read 2059402714
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 141722495
Hard write errors 0
Write errors retry 0
Seek count 286704
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 69%
Seek time full 71%
Reallocated sectors 267
Recovers read failed 0
Bus faults 0

Hard Drive 5
SCSI Bus 1
SCSI ID 4
Serial Number B3091086
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 81814
Sectors read 2058979644
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 140570431
Hard write errors 0
Write errors retry 0
Seek count 287408
Seek errors 0
Spin cycles 0

```

Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 71%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 133
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 6
SCSI Bus . . . . . 1
SCSI ID . . . . . 5
Serial Number . . . . . B3092526
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81814
Sectors read . . . . . 2057833920
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 140898499
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 284768
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 68%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 38
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 7
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . . B3092599
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81814
Sectors read . . . . . 2057520291
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 141224775
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 284592
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 77
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 8
SCSI Bus . . . . . 1
SCSI ID . . . . . 2

```

```

Serial Number . . . . . B3093122
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81814
Sectors read . . . . . 2057429240
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 141077739
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 284592
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 185
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 9
SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . . B3094294
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81814
Sectors read . . . . . 2057039285
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 140853078
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 292160
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 72%
Seek time full . . . . . 73%
Reallocated sectors . . . . . 152
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 10
SCSI Bus . . . . . 1
SCSI ID . . . . . 4
Serial Number . . . . . B3092477
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81814
Sectors read . . . . . 2059764968
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 141253253
Hard write errors . . . . . 0

```

Write errors retry 0
Seek count 294272
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 71%
Seek time full 73%
Reallocated sectors 28
Recovers read failed 0
Bus faults 0

Hard Drive 11
SCSI Bus 1
SCSI ID 5
Serial Number B3093051
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 81814
Sectors read 2057914615
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 141106963
Hard write errors 0
Write errors retry 0
Seek count 293040
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 69%
Seek time full 71%
Reallocated sectors 106
Recovers read failed 0
Bus faults 0

Hard Drive 12
SCSI Bus 1
SCSI ID 6
Serial Number B3092500
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 81814
Sectors read 2057774167
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 140974363
Hard write errors 0
Write errors retry 0
Seek count 296384
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 69%
Seek time full 71%
Reallocated sectors 232
Recovers read failed 0
Bus faults 0

Hard Drive 13
SCSI Bus 1
SCSI ID 0
Serial Number B3092470
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 81814
Sectors read 2058460171
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 141415426
Hard write errors 0
Write errors retry 0
Seek count 297440
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 68%
Seek time full 70%
Reallocated sectors 79
Recovers read failed 0
Bus faults 0

Hard Drive 14
SCSI Bus 1
SCSI ID 1
Serial Number B3093212
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 81814
Sectors read 2059360092
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 141763708
Hard write errors 0
Write errors retry 0
Seek count 288992
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 71%
Seek time full 73%
Reallocated sectors 40
Recovers read failed 0
Bus faults 0

Hard Drive 15
SCSI Bus 2
SCSI ID 0
Serial Number B3092869
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 81814
Sectors read 2057935220
Hard read errors 0

Read errors retry 0
 ECC read errors 0
 Sectors written 141018629
 Hard write errors 0
 Write errors retry 0
 Seek count 285824
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 71%
 Seek time full 72%
 Reallocated sectors 92
 Recovers read failed 0
 Bus faults 0

Hard Drive 16
 SCSI Bus 2
 SCSI ID 1
 Serial Number B3093327
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 81814
 Sectors read 2058971300
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 141428948
 Hard write errors 0
 Write errors retry 0
 Seek count 290048
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 69%
 Seek time full 71%
 Reallocated sectors 33
 Recovers read failed 0
 Bus faults 0

Hard Drive 17
 SCSI Bus 2
 SCSI ID 2
 Serial Number B3079992
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 81814
 Sectors read 2082233394
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 141170512
 Hard write errors 0
 Write errors retry 0
 Seek count 285120
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 68%

Seek time full 71%
 Reallocated sectors 62
 Recovers read failed 0
 Bus faults 0

Hard Drive 18
 SCSI Bus 2
 SCSI ID 3
 Serial Number B3094065
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 81814
 Sectors read 2058733121
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 141193478
 Hard write errors 0
 Write errors retry 0
 Seek count 284064
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 71%
 Seek time full 72%
 Reallocated sectors 12
 Recovers read failed 0
 Bus faults 0

Hard Drive 19
 SCSI Bus 2
 SCSI ID 4
 Serial Number B3092486
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 81814
 Sectors read 2058491662
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 141551837
 Hard write errors 0
 Write errors retry 0
 Seek count 283008
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 68%
 Seek time full 71%
 Reallocated sectors 15
 Recovers read failed 0
 Bus faults 0

Hard Drive 20
 SCSI Bus 2
 SCSI ID 5
 Serial Number B3099611
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6

```

Initialized for Monitoring . Yes
Reference time . . . . . 81814
Sectors read . . . . . 2058605120
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 141444221
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 285824
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 68%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 42
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 21
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . . B3092897
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81814
Sectors read . . . . . 2058160060
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 140875059
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 286704
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 71%
Seek time full . . . . . 72%
Reallocated sectors . . . . . 21
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 22
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . . B3092530
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81814
Sectors read . . . . . 2057792762
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 142070378
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 289520
Seek errors . . . . . 0

```

```

Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 50
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 23
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . . B3092503
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81814
Sectors read . . . . . 2059034654
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 142536356
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 288112
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 68%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 42
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 24
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . . B3092623
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81814
Sectors read . . . . . 2058580594
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 142299692
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 285824
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 71%
Seek time full . . . . . 72%
Reallocated sectors . . . . . 30
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 25
SCSI Bus . . . . . 2

```

```

SCSI ID . . . . . 5
Serial Number . . . . . B3092501
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 81814
  Sectors read . . . . . 2057473072
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 141738568
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 284416
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 40%
  Seek time third . . . . . 69%
  Seek time full . . . . . 71%
  Reallocated sectors . . . . . 21
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 26
SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . . B3093229
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 81814
  Sectors read . . . . . 2057247937
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 143107777
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 286000
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 71%
  Seek time full . . . . . 71%
  Reallocated sectors . . . . . 102
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 27
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . . B3099910
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 81814
  Sectors read . . . . . 2058004814
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 141711128

```

```

Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 287936
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 71%
Seek time full . . . . . 72%
Reallocated sectors . . . . . 184
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 28
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . . B3092499
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 81814
  Sectors read . . . . . 2058581623
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 141101346
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 288640
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 71%
  Seek time full . . . . . 72%
  Reallocated sectors . . . . . 21
  Recovers read failed . . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 29
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . . B3093089
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 81814
  Sectors read . . . . . 2058511657
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 141901789
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 285472
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 72%
  Seek time full . . . . . 73%
  Reallocated sectors . . . . . 60
  Recovers read failed . . . . . 0

```

```

Bus faults . . . . . 0

Hard Drive 30
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . . B3092489
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81814
Sectors read . . . . . 2057730629
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 141672688
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 286352
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 71%
Seek time full . . . . . 72%
Reallocated sectors . . . . . 18
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 31
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . . B3079985
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81814
Sectors read . . . . . 2057961724
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 143767478
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 285824
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 72%
Seek time full . . . . . 72%
Reallocated sectors . . . . . 28
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 32
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . . B3092615
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81814
Sectors read . . . . . 2056690362

```

```

Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 141476255
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 284240
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 68%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 69
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 33
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . . B3099706
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81814
Sectors read . . . . . 2057281684
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 141687641
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 282832
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 67%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 54
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 34
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . . B3092906
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81814
Sectors read . . . . . 2057144816
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 141386400
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 285120
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%

```

Seek time third 69%
Seek time full 71%
Reallocated sectors 81
Recovers read failed 0
Bus faults 0

Hard Drive 35
SCSI Bus 2
SCSI ID 1
Serial Number B3092323
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 81815
Sectors read 2057825980
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 141770442
Hard write errors 0
Write errors retry 0
Seek count 282480
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 71%
Seek time full 72%
Reallocated sectors 58
Recovers read failed 0
Bus faults 0

Hard Drive 36
SCSI Bus 2
SCSI ID 2
Serial Number B3093080
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 81815
Sectors read 2057400153
Hard read errors 0
Read errors retry 2
ECC read errors 0
Sectors written 141704055
Hard write errors 0
Write errors retry 0
Seek count 286528
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 69%
Seek time full 72%
Reallocated sectors 27
Recovers read failed 0
Bus faults 0

Hard Drive 37
SCSI Bus 2
SCSI ID 3
Serial Number B3094059
Firmware Revision 1 B016

Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 81815
Sectors read 2058298683
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 142067968
Hard write errors 0
Write errors retry 0
Seek count 287232
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 71%
Seek time full 72%
Reallocated sectors 27
Recovers read failed 0
Bus faults 0

Hard Drive 38
SCSI Bus 2
SCSI ID 4
Serial Number LJG0535200001931JHH2
Firmware Revision 1 3B00
Model Number COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 39
SCSI Bus 2
SCSI ID 5
Serial Number B3091117
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 81815
Sectors read 2058358903
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 142060278
Hard write errors 0
Write errors retry 0
Seek count 283888
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 69%
Seek time full 71%
Reallocated sectors 18
Recovers read failed 0
Bus faults 0

Hard Drive 40
SCSI Bus 2
SCSI ID 6
Serial Number B3092814
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 81815

Sectors read 2057810714
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 141799963
 Hard write errors 0
 Write errors retry 0
 Seek count 283008
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 68%
 Seek time full 71%
 Reallocated sectors 515
 Recovers read failed 0
 Bus faults 0

Hard Drive 41
 SCSI Bus 2
 SCSI ID 0
 Serial Number B3092940
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 81815
 Sectors read 2058841152
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 142229592
 Hard write errors 0
 Write errors retry 0
 Seek count 286176
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 72%
 Seek time full 73%
 Reallocated sectors 39
 Recovers read failed 0
 Bus faults 0

Hard Drive 42
 SCSI Bus 2
 SCSI ID 1
 Serial Number B3099234
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 81815
 Sectors read 2058129998
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 141971737
 Hard write errors 0
 Write errors retry 0
 Seek count 285296
 Seek errors 0
 Spin cycles 0
 Spin up time 0

Seek time track 36%
 Seek time third 71%
 Seek time full 72%
 Reallocated sectors 29
 Recovers read failed 0
 Bus faults 0

Logical Drive 3 161960 Megabyte
 Fault Tolerance Mirroring
 OS Format Multi-Sector Distribution
 Drive geometry (Cyl, Hds, Sec) -26770, 255, 32
 Array Accelerator Disabled

Hard Drive 1
 SCSI Bus 1
 SCSI ID 0
 Serial Number B3099745
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 81814
 Sectors read 2057998557
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 140937826
 Hard write errors 0
 Write errors retry 0
 Seek count 290224
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 72%
 Seek time full 73%
 Reallocated sectors 52
 Recovers read failed 0
 Bus faults 0

Hard Drive 2
 SCSI Bus 1
 SCSI ID 1
 Serial Number B3099803
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 81815
 Sectors read 2058176692
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 140994529
 Hard write errors 0
 Write errors retry 0
 Seek count 287056
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 69%
 Seek time full 71%
 Reallocated sectors 30
 Recovers read failed 0

```

Bus faults . . . . . 0

Hard Drive 3
SCSI Bus . . . . . 1
SCSI ID . . . . . 2
Serial Number . . . . . B3092597
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81815
Sectors read . . . . . 2058348647
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 141326509
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 286176
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 68%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 21
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 4
SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . . B3092847
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81815
Sectors read . . . . . 2059402714
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 141722495
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 286880
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 267
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 5
SCSI Bus . . . . . 1
SCSI ID . . . . . 4
Serial Number . . . . . B3091086
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81815
Sectors read . . . . . 2058979644

```

```

Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 140570431
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 287584
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 71%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 133
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 6
SCSI Bus . . . . . 1
SCSI ID . . . . . 5
Serial Number . . . . . B3092526
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81815
Sectors read . . . . . 2057833920
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 140898499
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 284944
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 68%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 38
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 7
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . . B3092599
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81815
Sectors read . . . . . 2057520291
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 141224775
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 284768
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%

```

```

Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 77
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 8
SCSI Bus . . . . . 1
SCSI ID . . . . . 2
Serial Number . . . . . B3093122
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81815
Sectors read . . . . . 2057429240
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 141077739
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 284768
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 185
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 9
SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . . B3094294
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81815
Sectors read . . . . . 2057039285
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 140853078
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 292336
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 72%
Seek time full . . . . . 73%
Reallocated sectors . . . . . 152
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 10
SCSI Bus . . . . . 1
SCSI ID . . . . . 4
Serial Number . . . . . B3092477
Firmware Revision 1 . . . . . B016

```

```

Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81815
Sectors read . . . . . 2059764968
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 141253253
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 294448
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 71%
Seek time full . . . . . 73%
Reallocated sectors . . . . . 28
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 11
SCSI Bus . . . . . 1
SCSI ID . . . . . 5
Serial Number . . . . . B3093051
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81815
Sectors read . . . . . 2057914615
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 141106963
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 293216
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 106
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 12
SCSI Bus . . . . . 1
SCSI ID . . . . . 6
Serial Number . . . . . B3092500
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81815
Sectors read . . . . . 2057774167
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 140974363
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 296560

```

```

Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 232
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 13
SCSI Bus . . . . . 1
SCSI ID . . . . . 0
Serial Number . . . . . B3092470
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81815
Sectors read . . . . . 2058460171
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 141415426
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 297616
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 68%
Seek time full . . . . . 70%
Reallocated sectors . . . . . 79
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 14
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . . B3093212
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81815
Sectors read . . . . . 2059360092
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 141763708
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 289168
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 71%
Seek time full . . . . . 73%
Reallocated sectors . . . . . 40
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 15

```

```

SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . . B3092869
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81815
Sectors read . . . . . 2057935220
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 141018629
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 286000
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 71%
Seek time full . . . . . 72%
Reallocated sectors . . . . . 92
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 16
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . . B3093327
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81815
Sectors read . . . . . 2058971300
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 141428948
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 290224
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 33
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 17
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . . B3079992
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81815
Sectors read . . . . . 2082233394
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0

```

Sectors written 141170512
Hard write errors 0
Write errors retry 0
Seek count 285296
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 68%
Seek time full 71%
Reallocated sectors 62
Recovers read failed 0
Bus faults 0

Hard Drive 18
SCSI Bus 2
SCSI ID 3
Serial Number B3094065
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 81815
Sectors read 2058733121
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 141193478
Hard write errors 0
Write errors retry 0
Seek count 284240
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 71%
Seek time full 72%
Reallocated sectors 12
Recovers read failed 0
Bus faults 0

Hard Drive 19
SCSI Bus 2
SCSI ID 4
Serial Number B3092486
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 81815
Sectors read 2058491662
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 141551837
Hard write errors 0
Write errors retry 0
Seek count 283184
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 68%
Seek time full 71%
Reallocated sectors 15

Recovers read failed 0
Bus faults 0

Hard Drive 20
SCSI Bus 2
SCSI ID 5
Serial Number B3099611
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 81815
Sectors read 2058605120
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 141444221
Hard write errors 0
Write errors retry 0
Seek count 286000
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 68%
Seek time full 71%
Reallocated sectors 42
Recovers read failed 0
Bus faults 0

Hard Drive 21
SCSI Bus 2
SCSI ID 1
Serial Number B3092897
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 81815
Sectors read 2058160060
Hard read errors 0
Read errors retry 0
ECC read errors 0
Sectors written 140875059
Hard write errors 0
Write errors retry 0
Seek count 286880
Seek errors 0
Spin cycles 0
Spin up time 0
Seek time track 36%
Seek time third 71%
Seek time full 72%
Reallocated sectors 21
Recovers read failed 0
Bus faults 0

Hard Drive 22
SCSI Bus 2
SCSI ID 2
Serial Number B3092530
Firmware Revision 1 B016
Model Number COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time 81815

Sectors read 2057792762
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 142070378
 Hard write errors 0
 Write errors retry 0
 Seek count 289696
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 69%
 Seek time full 71%
 Reallocated sectors 50
 Recovers read failed 0
 Bus faults 0

Hard Drive 23
 SCSI Bus 2
 SCSI ID 3
 Serial Number B3092503
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 81815
 Sectors read 2059034654
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 142536356
 Hard write errors 0
 Write errors retry 0
 Seek count 288288
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 68%
 Seek time full 71%
 Reallocated sectors 42
 Recovers read failed 0
 Bus faults 0

Hard Drive 24
 SCSI Bus 2
 SCSI ID 4
 Serial Number B3092623
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 81815
 Sectors read 2058580594
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 142299692
 Hard write errors 0
 Write errors retry 0
 Seek count 286000
 Seek errors 0
 Spin cycles 0
 Spin up time 0

Seek time track 36%
 Seek time third 71%
 Seek time full 72%
 Reallocated sectors 30
 Recovers read failed 0
 Bus faults 0

Hard Drive 25
 SCSI Bus 2
 SCSI ID 5
 Serial Number B3092501
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 81815
 Sectors read 2057473072
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 141738568
 Hard write errors 0
 Write errors retry 0
 Seek count 284592
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 40%
 Seek time third 69%
 Seek time full 71%
 Reallocated sectors 21
 Recovers read failed 0
 Bus faults 0

Hard Drive 26
 SCSI Bus 2
 SCSI ID 6
 Serial Number B3093229
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 81815
 Sectors read 2057247937
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 143107777
 Hard write errors 0
 Write errors retry 0
 Seek count 286176
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 71%
 Seek time full 71%
 Reallocated sectors 102
 Recovers read failed 0
 Bus faults 0

Hard Drive 27
 SCSI Bus 2
 SCSI ID 0
 Serial Number B3099910

```

Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 81815
  Sectors read . . . . . 2058004814
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 141711128
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 288112
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 71%
  Seek time full . . . . . 72%
  Reallocated sectors . . . . . 184
  Recovers read failed . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 28
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . . B3092499
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 81815
  Sectors read . . . . . 2058581623
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 141101346
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 288816
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 71%
  Seek time full . . . . . 72%
  Reallocated sectors . . . . . 21
  Recovers read failed . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 29
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . . B3093089
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 81815
  Sectors read . . . . . 2058511657
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 141901789
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0

```

```

Seek count . . . . . 285648
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 72%
Seek time full . . . . . 73%
Reallocated sectors . . . . . 60
Recovers read failed . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 30
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . . B3092489
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 81815
  Sectors read . . . . . 2057730629
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 141672688
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 286528
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 71%
  Seek time full . . . . . 72%
  Reallocated sectors . . . . . 18
  Recovers read failed . . . . 0
  Bus faults . . . . . 0

```

```

Hard Drive 31
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . . B3079985
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
  Reference time . . . . . 81815
  Sectors read . . . . . 2057961724
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0
  ECC read errors . . . . . 0
  Sectors written . . . . . 143767478
  Hard write errors . . . . . 0
  Write errors retry . . . . . 0
  Seek count . . . . . 286000
  Seek errors . . . . . 0
  Spin cycles . . . . . 0
  Spin up time . . . . . 0
  Seek time track . . . . . 36%
  Seek time third . . . . . 72%
  Seek time full . . . . . 72%
  Reallocated sectors . . . . . 28
  Recovers read failed . . . . 0
  Bus faults . . . . . 0

```

Hard Drive 32
 SCSI Bus 2
 SCSI ID 3
 Serial Number B3092615
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 81815
 Sectors read 2056690362
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 141476255
 Hard write errors 0
 Write errors retry 0
 Seek count 284416
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 68%
 Seek time full 71%
 Reallocated sectors 69
 Recovers read failed 0
 Bus faults 0

Hard Drive 33
 SCSI Bus 2
 SCSI ID 4
 Serial Number B3099706
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 81815
 Sectors read 2057281684
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 141687641
 Hard write errors 0
 Write errors retry 0
 Seek count 283008
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 67%
 Seek time full 71%
 Reallocated sectors 54
 Recovers read failed 0
 Bus faults 0

Hard Drive 34
 SCSI Bus 2
 SCSI ID 5
 Serial Number B3092906
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 81815
 Sectors read 2057144816
 Hard read errors 0
 Read errors retry 0

ECC read errors 0
 Sectors written 141386400
 Hard write errors 0
 Write errors retry 0
 Seek count 285296
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 69%
 Seek time full 71%
 Reallocated sectors 81
 Recovers read failed 0
 Bus faults 0

Hard Drive 35
 SCSI Bus 2
 SCSI ID 1
 Serial Number B3092323
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 81816
 Sectors read 2057825980
 Hard read errors 0
 Read errors retry 0
 ECC read errors 0
 Sectors written 141770442
 Hard write errors 0
 Write errors retry 0
 Seek count 282656
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 71%
 Seek time full 72%
 Reallocated sectors 58
 Recovers read failed 0
 Bus faults 0

Hard Drive 36
 SCSI Bus 2
 SCSI ID 2
 Serial Number B3093080
 Firmware Revision 1 B016
 Model Number COMPAQ BD009122C6
 Initialized for Monitoring . Yes
 Reference time 81816
 Sectors read 2057400153
 Hard read errors 0
 Read errors retry 2
 ECC read errors 0
 Sectors written 141704055
 Hard write errors 0
 Write errors retry 0
 Seek count 286704
 Seek errors 0
 Spin cycles 0
 Spin up time 0
 Seek time track 36%
 Seek time third 69%
 Seek time full 72%


```

Reallocated sectors . . . 27
Recovers read failed . . . 0
Bus faults . . . . . 0

Hard Drive 37
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . . B3094059
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81816
Sectors read . . . . . 2058298683
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 142067968
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 287408
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 71%
Seek time full . . . . . 72%
Reallocated sectors . . . 27
Recovers read failed . . . 0
Bus faults . . . . . 0

Hard Drive 38
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . . LJG0535200001931JHH2
Firmware Revision 1 . . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 39
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . . B3091117
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81816
Sectors read . . . . . 2058358903
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 142060278
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 284064
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . 18
Recovers read failed . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 40
SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . . B3092814
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81816
Sectors read . . . . . 2057810714
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 141799963
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 283184
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 68%
Seek time full . . . . . 71%
Reallocated sectors . . . 515
Recovers read failed . . . 0
Bus faults . . . . . 0

Hard Drive 41
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . . B3092940
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81816
Sectors read . . . . . 2058841152
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 142229592
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 286352
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 72%
Seek time full . . . . . 73%
Reallocated sectors . . . 39
Recovers read failed . . . 0
Bus faults . . . . . 0

Hard Drive 42
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . . B3099234
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD009122C6
Initialized for Monitoring . Yes
Reference time . . . . . 81816
Sectors read . . . . . 2058129998
Hard read errors . . . . . 0

```

```

Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 141971737
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 285472
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 71%
Seek time full . . . . . 72%
Reallocated sectors . . . . . 29
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Drive Controller 6, Compaq Smart Array 4200 Controller
IDA Firmware Revision . . . . . 1.10
Array Accelerator Memory . . . . . 57344 Kbytes
Reserved for reads . . . . . 28672 Kbytes
Reserved for writes . . . . . 28672 Kbytes
Accelerator Status . . . . . Enabled
Battery count . . . . . 3
Batteries charged . . . . . 3
Batteries failed . . . . . 0
ProLiant . . . . . Bus 1, Rev. JB46
ProLiant . . . . . Bus 2, Rev. JB46

Logical Drive 1 . . . . . 72833 Megabyte
Fault Tolerance . . . . . Mirroring
OS Format . . . . . Multi-Sector Distribution
Drive geometry (Cyl, Hds, Sec) 17433, 255, 32
Array Accelerator . . . . . Disabled

Hard Drive 1
SCSI Bus . . . . . 1
SCSI ID . . . . . 0
Serial Number . . . . . B2134010
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD018122C9
Initialized for Monitoring . Yes
Reference time . . . . . 39951
Sectors read . . . . . *3545670683
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 447358940
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 157992
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 0%
Seek time third . . . . . 0%
Seek time full . . . . . 0%
Reallocated sectors . . . . . 111
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 2
SCSI Bus . . . . . 1
SCSI ID . . . . . 1

```

```

Serial Number . . . . . B2134869
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD018122C9
Initialized for Monitoring . Yes
Reference time . . . . . 39951
Sectors read . . . . . *3545364246
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 447345176
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 159104
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 0%
Seek time third . . . . . 0%
Seek time full . . . . . 0%
Reallocated sectors . . . . . 111
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 3
SCSI Bus . . . . . 1
SCSI ID . . . . . 2
Serial Number . . . . . B2134196
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD018122C9
Initialized for Monitoring . Yes
Reference time . . . . . 39951
Sectors read . . . . . *3545507600
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 447344460
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 157168
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 0%
Seek time third . . . . . 0%
Seek time full . . . . . 0%
Reallocated sectors . . . . . 135
Recovers read failed . . . . . 0
Bus faults . . . . . 0

Hard Drive 4
SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . . B2127228
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD018122C9
Initialized for Monitoring . Yes
Reference time . . . . . 39951
Sectors read . . . . . *3545502626
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 447346334
Hard write errors . . . . . 0

```

```

Write errors retry . . . . . 0
Seek count . . . . . 157168
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 0%
Seek time third . . . . . 0%
Seek time full . . . . . 0%
Reallocated sectors . . . . . 35
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 5
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . . B2134128
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD018122C9
Initialized for Monitoring . Yes
Reference time . . . . . 39945
Sectors read . . . . . *3539418512
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 450366991
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 157696
Seek errors . . . . . 0
Spin cycles . . . . . 4
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 73%
Seek time full . . . . . 73%
Reallocated sectors . . . . . 138
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 6
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . . B2134758
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD018122C9
Initialized for Monitoring . Yes
Reference time . . . . . 39945
Sectors read . . . . . *3539229935
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 450352853
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 156112
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 80
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 7
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . . B2127139
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD018122C9
Initialized for Monitoring . Yes
Reference time . . . . . 39945
Sectors read . . . . . *3539341448
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 450352065
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 160160
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 32%
Seek time third . . . . . 73%
Seek time full . . . . . 73%
Reallocated sectors . . . . . 54
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 8
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . . B2133603
Firmware Revision 1 . . . . . B016
Model Number . . . . . COMPAQ BD018122C9
Initialized for Monitoring . Yes
Reference time . . . . . 39945
Sectors read . . . . . *3539422117
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 450353844
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 158400
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 36%
Seek time third . . . . . 68%
Seek time full . . . . . 70%
Reallocated sectors . . . . . 128
Recovers read failed . . . . . 0
Bus faults . . . . . 0

```

```

Logical Drive 2 . . . . . 9095 Megabyte
Fault Tolerance . . . . . Mirroring
OS Format . . . . . Multi-Sector Distribution
Drive geometry (Cyl, Hds, Sec) 2177, 255, 32
Array Accelerator . . . . . Enabled

```

```

Hard Drive 1
SCSI Bus . . . . . 1
SCSI ID . . . . . 2
Serial Number . . . . . LS71044100007019HK0F

```

```

Firmware Revision 1 . . . . . 3B07
Model Number . . . . . COMPAQ BD009122BA
Initialized for Monitoring . Yes
Reference time . . . . . 54293
Sectors read . . . . . 3895845768
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 379200992
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 194832
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 47%
Seek time third . . . . . 70%
Seek time full . . . . . 72%
Reallocated sectors . . . . . 396
Recovers read failed . . . . 0
Bus faults . . . . . 0

```

```

Hard Drive 2
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . . LS719070000010191Q38
Firmware Revision 1 . . . . . 3B07
Model Number . . . . . COMPAQ BD009122BA
Initialized for Monitoring . Yes
Reference time . . . . . 54293
Sectors read . . . . . 3894782162
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 382809215
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 195712
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 47%
Seek time third . . . . . 69%
Seek time full . . . . . 71%
Reallocated sectors . . . . . 521
Recovers read failed . . . . 0
Bus faults . . . . . 0

```

Graphics Mode 03 (80-Column Text)

Primary Monitor attached to . . ATI RAGE IIC PCI Graphics Controller
with Video Graphics Color Monitor

```

Base Memory
System Total . . . . . 637 Kbytes
Amount Free . . . . . 595 Kbytes (610112 Bytes)

```

```

Extended Memory
System Total . . . . . 4193280 Kbytes

```

```

Expanded Memory
LIM Driver Support . . . . . LIM driver not loaded

```

Operating System MS-DOS version 7.00 (from diskette)

```

Environment variables
PATH=
PROMPT=$P$G
COMSPEC=A:\COMMAND.COM
CMDLINE=inspect /u
End of environment

```

Revisions Table

```

Previous Revisions
I/O Board Revision . . . . . 01
Assembly Version . . . . . 1
Functional Revision Level . A
Memory Board 1 Revision . . . 01
Assembly Version . . . . . 1
Functional Revision Level . A

```

```

Current Revisions
I/O Board Revision . . . . . 01
Assembly Version . . . . . 1
Functional Revision Level . A
Memory Board 1 Revision . . . 01
Assembly Version . . . . . 1
Functional Revision Level . A

```

Memory Allocation (including INSPECT)

PSP	SIZE	NAME	TRAPPED INTERRUPTS								
-----			-----								
0887	007200	COMMAND.COM	2Fh	2Eh	24h	23h	22h				
0A52	216048	INSPECT.EXE	FFh	F9h	F4h	F3h	F2h	F1h	F0h	EFh	
			EEh	EBh	3Fh	00h					

System Configuration Memory

00 - 0F :	54 00 10 00	14 00 00 13	02 00 26 82	50 80 00 00
10 - 1F :	40 00 00 00	03 80 02 00	3C 00 00 00	00 00 00 02
20 - 2F :	00 00 00 00	7F 20 00 40	00 92 00 00	00 18 02 8C
30 - 3F :	00 3C 20 80	00 00 XX XX	XX XX XX XX	XX XX XX XX

BIOS Data Area

40:0000 :	F8 03 F8 02	00 00 00 00	78 03 00 00	00 00 40 9F
40:0010 :	27 44 00 7D	02 00 00 00	00 00 1E 00	1E 00 00 00
40:0020 :	00 00 00 00	00 00 00 00	00 00 00 00	00 00 00 00
40:0030 :	00 00 00 00	00 00 00 00	00 00 00 00	00 00 01 01
40:0040 :	25 00 00 00	00 2F 00 0F	02 03 50 00	00 10 00 00
40:0050 :	00 14 00 00	00 00 00 00	00 00 00 00	00 00 00 00
40:0060 :	0E 0D 00 D4	03 29 30 C2	11 C5 76 00	16 2E 0E 00
40:0070 :	00 00 00 12	00 01 00 00	14 14 14 14	01 01 01 01
40:0080 :	1E 00 3E 00	18 10 00 60	F9 11 0B 01	00 00 00 05
40:0090 :	17 00 00 00	2F 00 10 00	00 00 00 00	00 00 00 00
40:00A0 :	00 00 00 00	00 00 00 00	5C 13 00 C0	00 00 00 00
40:00B0 :	00 00 00 00	00 00 00 00	00 00 00 00	00 00 00 00
40:00C0 :	00 00 00 00	00 00 00 00	00 00 00 00	00 00 00 00
40:00D0 :	00 00 00 00	00 00 00 00	00 00 00 00	00 00 00 00
40:00E0 :	00 00 00 00	00 00 00 00	00 00 00 00	00 00 00 00
40:00F0 :	00 00 00 00	00 00 00 00	00 00 00 00	00 00 00 00

Interrupt Vector Table (including INSPECT)

00 - 03 :	0A62:0555	0070:0465	07BE:0016	0070:0465
04 - 07 :	0070:0465	F000:FF54	F000:8FDD	F000:9BD0

08 - 0B :	07BE:001F	07BE:0028	F000:9BD0	F000:9BD0
0C - 0F :	F000:9BD0	07BE:0082	07BE:009A	0070:0465
10 - 13 :	C000:12DE	F000:F84D	F000:F841	0070:03EE
14 - 17 :	F000:DCD3	0204:0240	0070:042D	F000:EF83
18 - 1B :	F000:E339	087F:002F	F000:FE6E	0070:045F
1C - 1F :	F000:FF53	F000:0000	0000:0522	C000:2019
20 - 23 :	00C9:0FA8	00C9:0FB2	0887:0314	0887:016D
24 - 27 :	0887:0178	00C9:0FBC	00C9:0FC6	00C9:0FDD
28 - 2B :	00C9:106F	0070:0466	00C9:106F	00C9:106F
2C - 2F :	00C9:106F	00C9:106F	0887:0162	0888:01CC
30 - 33 :	C90F:E4EA	F000:9B00	00C9:106F	00C9:106F
34 - 37 :	00C9:106F	00C9:106F	00C9:106F	00C9:106F
38 - 3B :	00C9:106F	00C9:106F	00C9:106F	00C9:106F
3C - 3F :	00C9:106F	00C9:106F	00C9:106F	1B0F:04F3
40 - 43 :	F000:EC59	CC1F:01C6	F000:F065	C000:242C
44 - 47 :	F000:9BD0	F000:9BD0	0000:0000	F000:9BD0
48 - 4B :	F000:9BD0	F000:9BD0	F000:9BD0	F000:9BD0
4C - 4F :	F000:9BD0	F000:9BD0	F000:9BD0	0070:04FC
50 - 53 :	F000:9BD0	F000:9BD0	F000:9BD0	F000:9BD0
54 - 57 :	F000:9BD0	F000:9BD0	F000:9BD0	F000:9BD0
58 - 5B :	F000:9BD0	F000:9BD0	F000:9BD0	F000:9BD0
5C - 5F :	F000:9BD0	F000:9BD0	F000:9BD0	F000:9BD0
60 - 63 :	0000:0000	0000:0000	0000:0000	0000:0000
64 - 67 :	0000:0000	0000:0000	0000:0000	0000:0000
68 - 6B :	F000:9BD0	F000:9BD0	F000:9BD0	F000:9BD0
6C - 6F :	F000:9BD0	C000:12DE	F000:9BD0	F000:9BD0
70 - 73 :	07BE:0035	F000:9C1F	F000:9BD0	F000:9BD0
74 - 77 :	07BE:00E2	F000:9C21	07BE:00FA	F000:9BD0
78 - 7B :	0000:0000	0000:0000	0000:0000	0000:0000
7C - 7F :	0000:0000	0000:0000	0000:0000	0000:0000
80 - 83 :	0000:0000	0000:0000	0000:0000	0000:0000
84 - 87 :	0000:0000	0000:0000	0000:0000	0000:0000
88 - 8B :	0000:0000	0000:0000	0000:0000	0000:0000
8C - 8F :	0000:0000	0000:0000	0000:0000	0000:0000
90 - 93 :	0000:0000	0000:0000	0000:0000	0000:0000
94 - 97 :	0000:0000	0000:0000	0000:0000	0000:0000
98 - 9B :	0000:0000	0000:0000	0000:0000	0000:0000
9C - 9F :	0000:0000	0000:0000	0000:0000	0000:0000
A0 - A3 :	0000:0000	0000:0000	0000:0000	0000:0000
A4 - A7 :	0000:0000	0000:0000	0000:0000	0000:0000
A8 - AB :	0000:0000	0000:0000	0000:0000	0000:0000
AC - AF :	0000:0000	0000:0000	0000:0000	0000:0000
B0 - B3 :	0000:0000	0000:0000	0000:0000	0000:0000
B4 - B7 :	0000:0000	0000:0000	0000:0000	0000:0000
B8 - BB :	0000:0000	0000:0000	0000:0000	0000:0000
BC - BF :	0000:0000	0000:0000	0000:0000	0000:0000
C0 - C3 :	0000:0000	0000:0000	0000:0000	0000:0000
C4 - C7 :	0000:0000	0000:0000	0000:0000	0000:0000
C8 - CB :	0000:0000	0000:0000	0000:0000	0000:0000
CC - CF :	0000:0000	0000:0000	0000:0000	0000:0000
D0 - D3 :	0000:0000	0000:0000	0000:0000	0000:0000
D4 - D7 :	0000:0000	0000:0000	0000:0000	0000:0000
D8 - DB :	0000:0000	0000:0000	0000:0000	0000:0000
DC - DF :	0000:0000	0000:0000	0000:0000	0000:0000
E0 - E3 :	0000:0000	0000:0000	0000:0000	0000:0000
E4 - E7 :	0000:0000	0000:0000	0000:0000	00D8:00D8
E8 - EB :	000D:0CFC	00C8:00C8	0078:0CFD	0CFC:0078
EC - EF :	0000:1F07	B600:0006	1F85:0046	0087:B600
F0 - F3 :	147F:0046	1CAF:0013	147F:5D37	1400:1CAF
F4 - F7 :	1B00:0246	0101:7248	0000:0000	0000:5FFE
F8 - FB :	5FFE:0020	1497:6304	0034:0003	0000:0830
FC - FF :	4322:00FC	0000:00F6	EFE2:0000	0246:F000

```

PCI Devices Information
Signature . . . . . PCI
Config Mechanism #1 . . . . . Supported
Config Mechanism #2 . . . . . Not Supported
Spec Cycle for Config #1 . . . . . Supported
Spec Cycle for Config #2 . . . . . Not Supported
BIOS Interface Version . . . . . 2.10
Last PCI Bus Number . . . . . 16
Number of PCI Devices . . . . . 12

PCI Bus Number . . . . . 0
Device Number . . . . . 1
Function Number . . . . . 00h
Slot Number . . . . . 7
Vendor ID . . . . . 0E11h
Device ID . . . . . 0046h
Revision ID . . . . . 01h
Device Type . . . . . RAID Controller
Programming Interface . . . . . 00h
Expansion ROM Base Address . . . . . FFFC0000h
IRQ Line . . . . . 5
IRQ Pin . . . . . INTA#
Memory Address Base . . . . . F3BF0000h
Memory Address Length . . . . . 1000h
IO Address Base . . . . . 2000h
IO Address Length . . . . . 100h

PCI Bus Number . . . . . 0
Device Number . . . . . 2
Function Number . . . . . 00h
Slot Number . . . . . 8
Vendor ID . . . . . 0E11h
Device ID . . . . . 0046h
Revision ID . . . . . 01h
Device Type . . . . . RAID Controller
Programming Interface . . . . . 00h
Expansion ROM Base Address . . . . . FFFC0000h
IRQ Line . . . . . 5
IRQ Pin . . . . . INTA#
Memory Address Base . . . . . F3BE0000h
Memory Address Length . . . . . 1000h
IO Address Base . . . . . 2400h
IO Address Length . . . . . 100h

PCI Bus Number . . . . . 0
Device Number . . . . . 3
Function Number . . . . . 00h
Slot Number . . . . . 9
Vendor ID . . . . . 0E11h
Device ID . . . . . 0046h
Revision ID . . . . . 01h
Device Type . . . . . RAID Controller
Programming Interface . . . . . 00h
Expansion ROM Base Address . . . . . FFFC0000h
IRQ Line . . . . . 5
IRQ Pin . . . . . INTA#
Memory Address Base . . . . . F3BD0000h
Memory Address Length . . . . . 1000h
IO Address Base . . . . . 2800h
IO Address Length . . . . . 100h

PCI Bus Number . . . . . 0
Device Number . . . . . 13

```

Function Number 00h
Slot Number 0
Vendor ID 1002h
Device ID 4756h
Revision ID 7Ah
Device Type VGA Compatible Controller
Programming Interface 00h
Expansion ROM Base Address FFFE0000h
IRQ Line 255
IRQ Pin Not Used
Memory Address Base F0000000h
Memory Address Length 1000000h
IO Address Base 2C00h
IO Address Length 100h
Memory Address Base F3BA0000h
Memory Address Length 1000h

PCI Bus Number 0
Device Number 14
Function Number 00h
Slot Number 0
Vendor ID 0E11h
Device ID 0010h
Revision ID 01h
Device Type RAID Controller
Programming Interface 00h
Expansion ROM Base Address FFF80000h
IRQ Line 5
IRQ Pin INTA#
IO Address Base 3000h
IO Address Length 100h
Memory Address Base F2000000h
Memory Address Length 1000000h
Memory Address Base F1000000h
Memory Address Length 1000000h

PCI Bus Number 5
Device Number 3
Function Number 00h
Slot Number 3
Vendor ID 0E11h
Device ID 0046h
Revision ID 01h
Device Type RAID Controller
Programming Interface 00h
Expansion ROM Base Address FFFC0000h
IRQ Line 10
IRQ Pin INTA#
Memory Address Base F3DF0000h
Memory Address Length 1000h
IO Address Base 4000h
IO Address Length 100h

PCI Bus Number 5
Device Number 4
Function Number 00h
Slot Number 4
Vendor ID 0E11h
Device ID 0046h
Revision ID 01h
Device Type RAID Controller
Programming Interface 00h
Expansion ROM Base Address FFFC0000h

IRQ Line 11
IRQ Pin INTA#
Memory Address Base F3DE0000h
Memory Address Length 1000h
IO Address Base 4400h
IO Address Length 100h

PCI Bus Number 6
Device Number 4
Function Number 00h
Slot Number 1
Vendor ID 0E11h
Device ID 1229h
Revision ID 05h
Device Type Ethernet Controller
Programming Interface 00h
Expansion ROM Base Address 0h
IRQ Line 15
IRQ Pin INTA#
Memory Address Base F3CF0000h
Memory Address Length 1000h
IO Address Base 5000h
IO Address Length 20h
Memory Address Base F3F00000h
Memory Address Length 100000h

PCI Bus Number 6
Device Number 5
Function Number 00h
Slot Number 1
Vendor ID 0E11h
Device ID 1229h
Revision ID 05h
Device Type Ethernet Controller
Programming Interface 00h
Expansion ROM Base Address 0h
IRQ Line 15
IRQ Pin INTA#
Memory Address Base F3CE0000h
Memory Address Length 1000h
IO Address Base 5020h
IO Address Length 20h
Memory Address Base F3E00000h
Memory Address Length 100000h

PCI Bus Number 13
Device Number 1
Function Number 00h
Slot Number 10
Vendor ID 10E4h
Device ID 0005h
Revision ID 00h
Device Type Other Network Controller
Programming Interface 00h
Expansion ROM Base Address 0h
IRQ Line 15
IRQ Pin INTA#
Memory Address Base F7DF0000h
Memory Address Length 1000h
Memory Address Base F7DE0000h
Memory Address Length 10000h
Memory Address Base F4000000h
Memory Address Length 2000000h

```

PCI Bus Number . . . . . 14
Device Number . . . . . 4
Function Number . . . . . 00h
Slot Number . . . . . 11
Vendor ID . . . . . 0E11h
Device ID . . . . . 1229h
Revision ID . . . . . 05h
Device Type . . . . . Ethernet Controller
Programming Interface . . . . 00h
Expansion ROM Base Address . . 0h
IRQ Line . . . . . 15
IRQ Pin . . . . . INTA#
Memory Address Base . . . . . F7CF0000h
Memory Address Length . . . . 1000h
IO Address Base . . . . . 6000h
IO Address Length . . . . . 20h
Memory Address Base . . . . . F7F00000h
Memory Address Length . . . . 100000h

```

```

PCI Bus Number . . . . . 14
Device Number . . . . . 5
Function Number . . . . . 00h
Slot Number . . . . . 11
Vendor ID . . . . . 0E11h
Device ID . . . . . 1229h
Revision ID . . . . . 05h
Device Type . . . . . Ethernet Controller
Programming Interface . . . . 00h
Expansion ROM Base Address . . 0h
IRQ Line . . . . . 15
IRQ Pin . . . . . INTA#
Memory Address Base . . . . . F7CE0000h
Memory Address Length . . . . 1000h
IO Address Base . . . . . 6020h
IO Address Length . . . . . 20h
Memory Address Base . . . . . F7E00000h
Memory Address Length . . . . 100000h

```

PROLIANT 8500 is a trademark of Compaq Computer Corporation.

Microsoft SQL Server 8.0 Startup Parameters

```

C:\MSSQL7\BINN\SQLSERVR
-cE:\MSSQL7\LOG\ERRORLOG -x -c -t3502 -g256

```

Where:

- -c Start SQL Server independently of the Windows NT Service Control Manager

- -x Disables the keeping of CPU time and cache-hit ratio statistics
- -t3502 Prints a message to the SQL Server log at the start and end of each checkpoint
- -g256 Specify the amount of virtual address space in MB, SQL Server will leave available for memory allocations, excluding the buffer pool and threads stack, such as dynamically- loaded DLLs, extended procedure calls, etc.. If this option is not specified, SQL Server will use a value that is suitable for a wide range of runtime environments. Use of this option may be appropriate in 2GB (3GB Enterprise Edition) configurations in which the memory usage requirements of SQL Server are atypical and the virtual address space of the SQL Server process is totally in use. Incorrect use of this option can lead to conditions under which SQL Server may not start or may encounter runtime errors.

Microsoft Windows 2000 Configuration Parameters

No services were disabled in the Windows 2000 Control Panel/Services on the Server and Client systems.

Boot.ini Parameters

4GB Tuning was enabled for Windows 2000 Advanced Server by setting the "/3GB" switch in the boot.ini file as documented in the "Windows NT Server, Enterprise Edition Administrator's Guide and Release Notes".

SQL Server Stack Size

The default stack size for Microsoft SQL Server was changed using the EDITBIN utility. The EDITBIN utility ships with Microsoft Visual C++ V4.0. The command used to change the stack size is:

```
editbin /Stack:131072 sqlservr.exe
```

This command is fully documented as an article in the Microsoft Knowledge Base on the Microsoft Web Site at www.microsoft.com/support.

Compaq Device Drivers for Windows NT

The following Microsoft Windows NT device drivers were replaced with Compaq-specific device drivers:

- The Microsoft SMART-4200 Array Controller default device driver (CPQARRY2.SYS) was replaced with the Compaq SMART-4200 Array Controller ECI Driver version 1.09 for Microsoft Windows 2000 (CPQSMRT2.SYS).

Microsoft COM Component Configuration Parameters

The component services tool in Windows 2000 was used to change the settings for the four TPCC components. The components are single queues. All these components were set to enable object pooling, object construction, just in time activation, and component supports events and statistics. The min and max pool size for the components on each client are set in the registry at 70 with 8 delivery queues. The construction string was “ Server = myserver;UID=sa;pwd=;DATABASE=tpcc;”

Appendix D: 180-Day Space

TPC-C 180 Day Space Requirements							
Warehouses	14400	Rows	Data KB	Index KB	Extra 5% KB	Tpmc	
Table						8hr Space	Total Space KB
Warehouse	14400	2,400	480	144	3024		
District	144000	24,384	480	1,243	26107		
Customer	432000000	471,272,736	31,400,256	25,133,650	527806642		
History	432000000	38,686,656	126,624		8,261,167		38813280
NewOrder	129600000	3,463,776	9,024	173,640	3646440		33415680
Orders	432000000	21,159,264	12,256,416		3,249,674		288962720
OrderLine	4321955583	288,241,680	721,040	5,755	48,725,748		120859
Item	100000	114,336	768				727297402
Stock	1440000000	691,200,000	1,464,192	34,633,210			
Total		1,514,165,232	45,979,280	59,947,642	60,236,590	1,620,092,154	

MB						
Dynamic Space	339,929	Sum of Data for Order, Orderline and History				
Static Space	1,242,192	Sum of Data+Index+5%+Dynamic Space				
Free Space	na	Total Allocated Space - (Dynamic + Static Space)				
Daily Growth	57,489	(Dynamic Space/(W*62.5))*pmc				
Daily Spread		(Free Space -1.5*Daily Growth) Zero Assumed				
180 Day Space MB	11,590,180					
180 Day Space GB	11,318.54	GB	339.84			
Log Size	85,999	MB				
KB Per New Order	5,347	KB				
8 hr log MB	372,574	MB				
8 hr log GB	363.8419	GB				
Space Usage	GB Needed	Disks Measured	GB Priced	Disk Size	Formatted Size	
180 Day Space DB	11,318.54	0	0.00	18GB	17,300	
		1376	11658.38	9GB	8,473	
			0.00	4GB	3,999	
Total DB		1376	11658.38	9GB		
8-hr log + mirror	727.6838	96	1660.80	18GB	17,300	
OS, Swap	36	48	406.688	9GB	8,473	
Total Storage	12,082.22	GB	13,725.86	GB		

tpmC		152,207.95								
	Data Before KB	Index Before KB	Data After KB	Index After KB	Data Grow KB	Index Grow KB	Total Grow KB	KB/New-Order	8-Hr Growth KB	8-Hr Growth MB
History					-	-	2,381,712	0.1131	8,261,167.47	8,067.55
Order					-	-	936,888	0.0445	3,249,674.46	3,173.51
Order-Line					-	-	14,047,736	0.6669	48,725,748.39	47,583.74
										58,824.80
	sum(*) Before		sum(*) After		Num New-					
d_next_o_id	694,200,191		715,263,490		21,063,299					
						from batch report				
	Before MB		After MB		Grow MB		KB/New-Order	8-Hr Growth MB	8-Hr Growth GB	
Log					107413.90		5.2220	372,574.11	363.84	
							5,347.2933			
	59999.992									
	Database tpcc log used (%)									0

Appendix E:

Third Party Letters

FEB 16 2000 13:09 FR MICROSOFT RECP #1 425 936 7329 TO 912815148375
One Microsoft Way
Redmond, WA 98052-6399
Fax 425 936 7329
<http://www.microsoft.com/>

P. 02/04

Microsoft

February 16, 2000

Mr. Mike Engbrock
Compaq Computer Corporation
P. O. Box 692000
Houston, TX 77269-2000

Dear Mr. Engbrock:

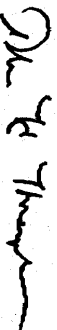
Here is the information you requested regarding U.S. pricing of several Microsoft products to be used in conjunction with TPC-C benchmark testing.

Microsoft SQL Server 2000 Version 8, Enterprise Edition (one server w/ unlimited CALs)	\$28,999
Windows 2000 Advanced Server(One server w/ 25 CALs)	\$3,999
Windows 2000 Server (one server w/ 25 CALs)	\$909
Visual C++ Professional 5.0 (single copy)	\$549
5-year maintenance for above software @ \$2095/yr	\$10,475

This quote is valid for the next 90 days. Some products may not be currently orderable but will be available through Microsoft's normal distribution by July 31, 2000.

If I can be of any further assistance, please contact me at 425-936-5301 or tomkr@microsoft.com.

Yours truly,



Thomas Kreyche
Product Manager
SQL Server Marketing

Microsoft Corporation is an equal opportunity employer.

ALLSTAR SYSTEMS

Item Description	Stock Number	Price Each	QTY	Total	Service	Total Price
ProLiant 650c-550-8 ProLiant Enterprise Server - Parts Exchange - 1 Year	323400-001	79,400.00	8	\$627,200.00		\$627,200.00
Onsite 5x6 4 Hr Service Upgrade from Compaq Standard Service		\$597	16		\$9,552	\$9,552.00
NC3122 PCI Dual 10/100 Controller	317450-B21	263.20	16	\$4,211.20	\$143,603.29	\$143,603.29
Compaq SMART Array Controller 4200	295656-B21	2,217.60	40	\$86,704.00		\$86,704.00
StorageWorks Enclosure Model 4214R	103981-001	2,576.00	112	\$288,512.00		\$288,512.00
ProLiant Storage System - Parts Exchange - 1 Year			224		\$57,120.00	\$57,120.00
Compaq V500 Color Monitor	325900-001	202.72	32	\$6,487.04		\$6,487.04
48GB DAT Drive	295353-B21	703.36	1	\$703.36		\$703.36
Compaq Rack Model 7142	165753-001	1,690.00	10	\$16,900.00		\$16,900.00
Compaq Rack Coupling Kit	166664-001	152.32	9	\$1,370.88		\$1,370.88
Compaq Rack Sidewall Kit	165652-001	208.32	1	\$208.32		\$208.32
ServerNet II PCI Adapter	422869-001	890.40	8	\$7,123.20		\$7,123.20
ServerNet II 12 Port Switch	452219-001	4,904.00	1	\$4,904.00		\$4,984.00
9.1 GB Hot-Plug Wide U2 10K 1"	328939-B22	502.89	1376	\$691,962.88		\$691,962.88
16.2 GB Hot-Plug Wide U2 10K 1"	126418-B22	939.68	64	\$60,139.52		\$60,139.52
ProLiant 1600 6/800 - 128MB, 100TX Nic	153552-001	2,688.00	17	\$45,696.00		\$45,696.00
ProLiant 1850R 6/550 128MB, 100TX Nic	123740-001	4,032.00	6	\$24,192.00		\$24,192.00
ProLiant DL380 733/133 128MB, TX NIC	157829-001	4,816.00	1	\$4,816.00		\$4,816.00
ProLiant Workgroup Server - Parts Exchange - 1 Year	FM-L0PRT-12	259.00	48		\$12,432.00	\$12,432.00
Onsite 5x6 4 Hr Service Upgrade from Compaq Standard Service			17		\$12,156.36	\$12,156.36
Pentium III 600 MHz Processor Option	153555-B21	1,006.88	69	\$17,116.96		\$17,116.96
128-Megabyte SD DIMM Kit	313619-B21	400.60	3	\$1,206.40		\$1,206.40
128 MB 133 DIMM	128277-B21	408.80	3	\$1,226.40		\$1,226.40
Pentium III 550 512KB Processor	153555-B21	670.88	6	\$4,025.28		\$4,025.28
Pentium III 733/133 Processor	158756-B21	1,342.88	1	\$1,342.88		\$1,342.88
NC3122 PCI Dual 10/100 Controller	317450-B21	263.20	32	\$8,422.40		\$8,422.40
9.1GB Wide U2 10K	328939-B22	502.88	24	\$12,069.12		\$12,069.12
B-port 10BaseT hub		29.00	19927	\$574,993.00		\$574,993.00
Large Purchase and Cash discount				(\$227,969.10)	(\$21,137.91)	(\$248,507.01)
Totals:				\$2,293,134.54	\$213,727.74	\$2,506,862.28

Prices include a large volume and cash prepay discount. Prices may vary when items are purchased separately.

Service prices based upon a service contract for all items listed.

On-site 5 days/ 8 hour day / 4 hour response upgrade to Compaq standard 2nd day Service

The above quotation is valid for at least 60 days.

Compaq Parts Exchange contract in years 4 & 5 in lieu of parts warranty.

Houston Office: 6401 Southwest Freeway, Houston, Texas 77074, (713) 754-2000 • Dallas Office: 14200 Preston Road, Dallas, Texas 75244 (214) 774-7700
Austin Office: 4000 West Braker Lane, Suite 300, Austin, Texas 78758, (512) 231-8900