

*Compaq Computer Corporation*

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TPC Benchmark™ C  
Full Disclosure Report  
for  
ProLiant 8500  
using  
Microsoft SQL Server 7.0 Enterprise Edition  
and  
Windows NT 4.0 Enterprise Edition

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First Edition  
July 1999

**COMPAQ**

First Edition – July 1999

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# Preface

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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 3.4, released August 25, 1998.

## 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*

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## **Overview**

This report documents the methodology and results of the TPC Benchmark C test conducted on the Compaq ProLiant 8500. The operating system used for the benchmark was Windows NT 4.0 Enterprise Edition with Service Pack 4. The DBMS used was Microsoft SQL Server 7.0 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:

40000,60 tpmC  
\$18.86 per tpmC

The availability date is December 31, 1999.

Hardware availability date is August 15, 1999.

## **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 Tom Sawyer of Performance Metrics, Inc. to verify compliance with the relevant TPC specifications.

Compaq Computer Corporation		Proliant 8500		TPC-C Rev. 3.4	
C/S with 5 Proliant 1600		Report Date: Jul 12, 1999			

Total System Cost	TPC-C Throughput	Price/Performance	Availability Date
<b>\$754,744</b>	<b>40000.60</b>	<b>\$18.86</b>	<b>Dec 31, 1999*</b>

Processors	Database Manager	Operating System	Other Software	Number of Users
8 Pentium III Xeon 550 MHz	Microsoft SQL Server 7.0 SP2 Enterprise Edition	Windows NT 4.0 Enterprise Edition (SP4)	Microsoft Visual C++ MKS Toolkit for NT Microsoft COM+	<b>32400</b>

**32400 PCs**

**9X Compaq SMART 4200 Array Controllers**  
**34 X StorageWorks Enclosure Model 4714R**

252 X 9.1 GB 10K Pluggable Drives (external) +  
224 X 4.3 GB 10K Pluggable Drives(external) +  
1 X 4.3 GB 7200 rpm(internal)

System Components		Quantity	Description	Quantity	Description
			Server		Each Client
Processor		8	550MHz PentiumIII Xeon w/ 2MB Cache	2	500MhzPentium II w/ 512K cache
Memory		16	256MB	4	128MB
Disk Controllers		9	SMART 4200 Array Controller	1	Integrated Ultra SCSI Controller
Disk Drives		252 225	9.1GB SCSI Drive 4.3GB SCSI Drive	1	4.3GB SCSI Drive
Total Storage			5.0928 Terabytes		4.3GB
Tape Drives		1	4/16 TurboDAT		

\* Hardware availability date is August 15, 1999

Compaq Computer Corporation		ProLiant 8500-550/2M Client/Server		TPC-C Rev. 3.4		Report Date: 12-Jul-99	
Description	Part Number	Third Party Brand Pricing	Unit Price	Qty	Extended Price	5 Yr. Maint. Price	
<b>Server Hardware</b>							
ProLiant 8500-550/2M	303300-001	1	66,080	1	66,080		
- 4 Pentium III Xeon/500MHz 2MB Cache							
- 2 GB SD RAM Memory							
- CD-ROM 2X							
- 10/100 Ethernet Controller							
ProLiant Pentium III Xeon 550 - 2MB Cache Processor Kit	328814-B21	1	6,720	4	26,880		
512MB SD RAM Memory Kit (2 x 256MB)	298807-B21	1	1,982	4	7,930		
Compaq SMART Array Controller 4200	295636-B21	1	2,218	9	19,958		
StorageWorks Enclosure Model 4214R	103981-001	1	2,576	34	87,564		
4.3 GB Wide Ultra SCSI3	242584-001	1	447	1	447		
Compaq VGA V55 Color Monitor	308006-001	1	240	1	240		
4/8GB DAT Drive	295353-B21	1	703	1	703		
Compaq Rack Model 7142	165753-001	1	1,680	3	5,040		
Compaq Rack Coupling Kit	165664-001	1	152	2	305		
Compaq Rack SideWall Kit	165652-001	1	208	1	208		
4.3 GB Hot-Plug SCSI3 Drive - 10K	336356-B21	1	503	224	112,645		
8.1 GB Hot-Plug SCSI3 Drive - 10K	336357-B21	1	839	252	211,398		
ProLiant Enterprise Server - Parts Exchange - 1 Year	FM-HPEPRT-12	1	597	2	1,194		
ProLiant Storage System - Parts Exchange - 1 Year	FM-STPRT-12	1	255	68	17,340		
Onsite 5x8 4 Hr Service Upgrade from Compaq Standard Service	Alistar	1					43,153
<b>Server Software</b>				<b>Subtotal</b>	<b>539,418</b>		<b>61,687</b>
Microsoft SQL Server 7.0 Enterprise	Microsoft	2	28,999	1	28,999		10,475
MKS Toolkit for NT	MKS	1	499	1	499		5 Yr. WTY
Microsoft Visual C++ 6.0	Microsoft	2	549	1	549		Incl Above
Microsoft Windows NT Enterprise v. 4.0	Microsoft	2	3,999	1	3,999		Incl Above
<b>Client Hardware</b>				<b>Subtotal</b>	<b>34,046</b>		<b>10,475</b>
ProLiant 1600 6/500 - 128MB NIC	386746-001	1	2,685	5	13,423		
ProLiant 1600 6/500 Processor Option Kit	401268-B21	1	1,399	5	6,994		
128-Megabyte SD DIMM Kit	319615-B21	1	327	15	4,906		
Compaq VGA V55 Color Monitor	308006-001	1	240	5	1,198		
4.3GB Wide Ultra2 SCSI Hard Drive	349513-B21	1	469	5	2,346		
ProLiant Workgroup Server - Parts Exchange - 1 Year	FM-LOPRT-12	1	259	10	2,590		2,590
Onsite 5x8 4 Hr Service Upgrade from Compaq Standard Service	Alistar	1					2,309
<b>Client Software</b>				<b>Subtotal</b>	<b>28,868</b>		<b>4,899</b>
Microsoft Windows 2000 Server	Microsoft	2	809	5	4,045		Incl. Above
<b>User Connectivity</b>				<b>Subtotal</b>	<b>4,045</b>		<b>0</b>
Compaq Dual Speed Switch SW322	355310-B21	Compaq	2,944	4	11,778		See Note 1
8-port 10BaseT Hub	Generic	1	29.00	4461	129,369		See Note 1
<b>Large Purchase and Cash discount</b>				<b>Subtotal</b>	<b>141,147</b>		<b>0</b>
				<b>Total</b>	<b>\$683,675</b>		<b>(\$5,993)</b>
					<b>\$71,069</b>		
							<b>\$754,744</b>
							<b>40000.60</b>
							<b>\$ / IpMC: \$18.86</b>

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 sections 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](mailto:pricing@tpc.org). Thank you.

Pricing: 1=Alistar Systems 2=Microsoft  
 Note 1 = 5 Year warranty with 10% Spares -  
 Note 11= benchmark results and test methodology were audited by Tom Sawyer of Performance Metrics, Inc.

Five-Year Cost of Ownership: \$754,744

IpMC Rollring: 40000.60

\$ / IpMC: \$18.86



## Numerical Quantities Summary

**MQTH, Computed Maximum Qualified Throughput**

**40000.60 tpmC**

% throughput difference, reported & reproducibility runs

0.90%

<b>Response Times (in seconds)</b>	<b>Average</b>	<b>90%</b>	<b>Maximum</b>
New-Order	0.80	1.29	7.51
Payment	0.40	0.72	9.27
Order-Status	0.22	0.28	4.72
Delivery (interactive portion)	0.11	0.13	0.52
Delivery (deferred portion)	0.56	0.75	1.78
Stock-Level	2.18	2.87	8.87
Menu	0.11	0.13	0.80

### Transaction Mix, in percent of total transaction

New-Order	44.77%
Payment	43.03%
Order-Status	4.05%
Delivery	4.07%
Stock-Level	4.09%

### Emulation Delay (in seconds)

	<b>Resp. Time</b>	<b>Menu</b>
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)

	<b>Min.</b>	<b>Average</b>	<b>Max.</b>
New-Order	18.00/0.00	18.00/12.04	18.03/120.50
Payment	3.00/0.00	3.01/12.03	3.04/120.51
Order-Status	2.00/0.00	2.01/10.03	2.03/100.49
Delivery (interactive)	2.00/0.00	2.01/5.08	2.03/50.50
Stock-Level	2.00/0.00	2.01/5.05	2.03/50.49

### Test Duration

Ramp-up time	29 minutes
Measurement interval	20 minutes
Transactions (all types) completed during measurement interval	1779226
Ramp down time	20 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.*

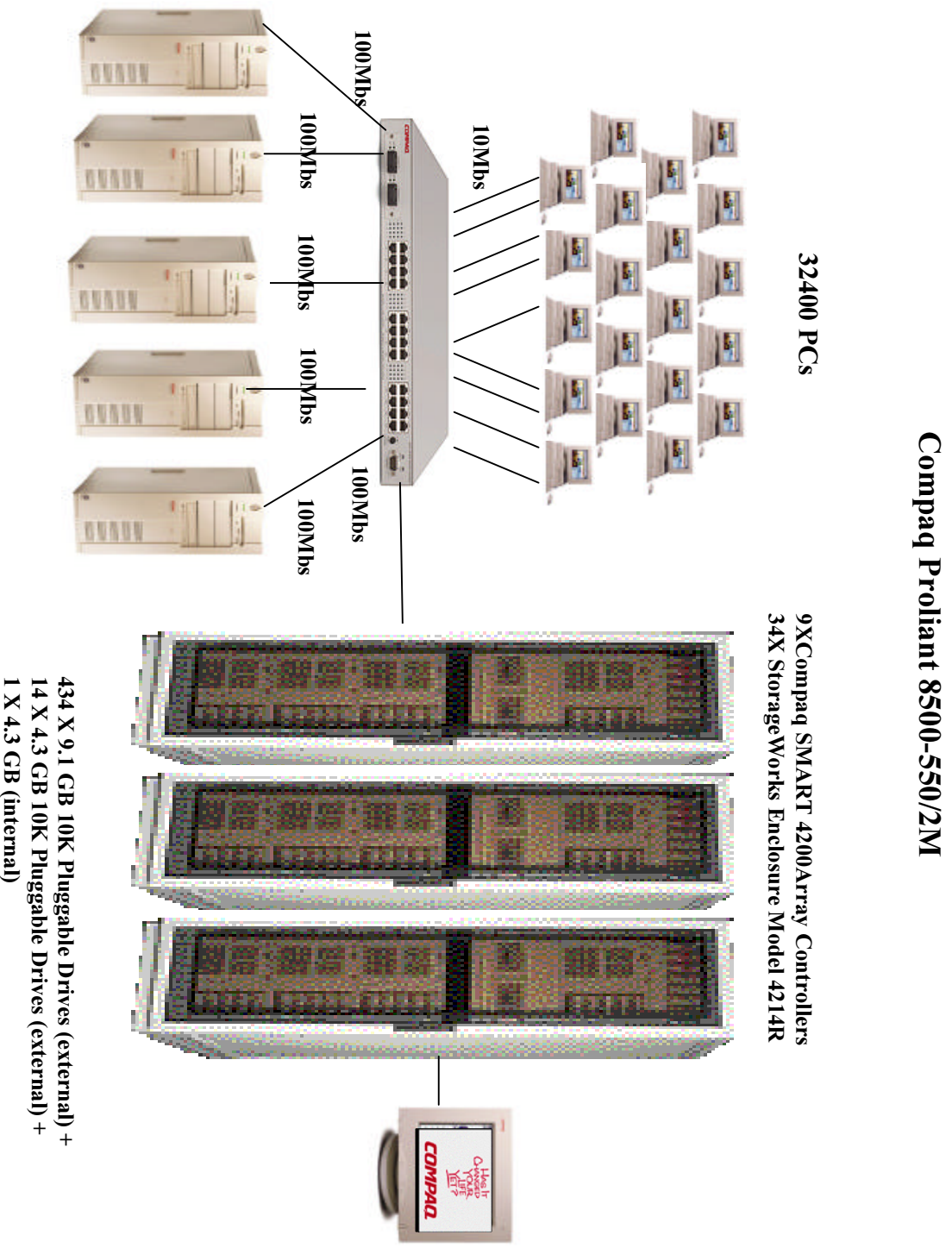
Appendix C contains the tunable parameters to for the database, the operating system, and the transaction monitor.

## Configuration Items

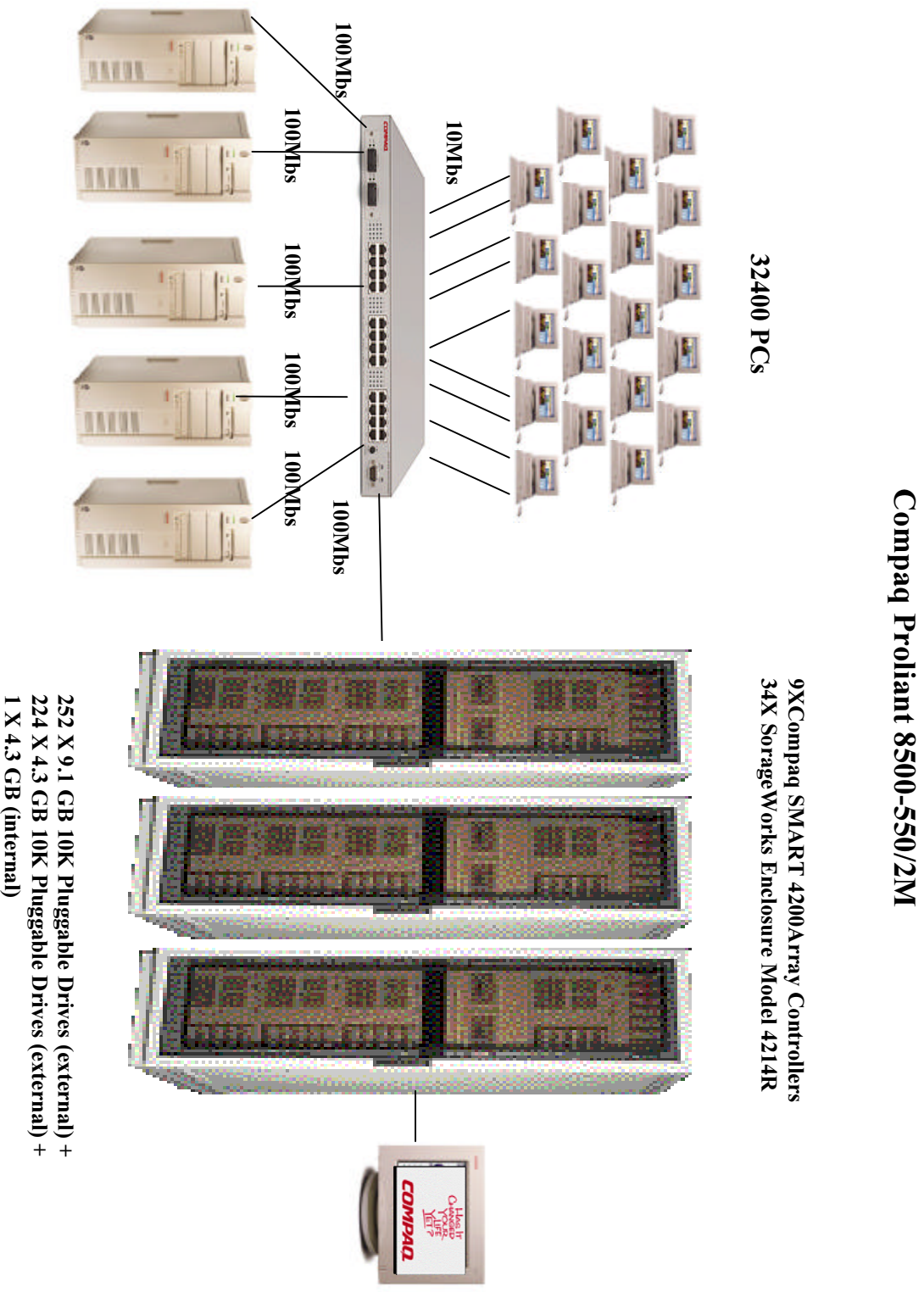
*Diagrams of both measured and priced configurations must be provided, accompanied by a description of the differences.*

The configuration diagrams for both the tested and priced systems are included on the following pages.

**Figure 1. Benchmarked Configuration**



**Figure 2. Priced Configuration**



# 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: 434 drives at 9.1 GB, 14 drives at 4.3 GB each and 1 drive at 4.3GB for the OS.

## Benchmarked Configuration:

### Embedded Controller 1

EISA UTILITIES PARTITION

Total Capacity = 39 MB

Compaq System Configuration Utilities

LOGICAL DRIVE C:

Total Capacity = 4055 MB

Microsoft Windows NT v. 4.0

### SMART-4200 Controller, Slot 2, Array A

LOGICAL DRIVE G:

Total Capacity = 26000 MB

RAID 0

Big\_fg

LOGICAL DRIVE O:

Total Capacity = 12000 MB

RAID 0

Misc\_fg

LOGICAL DRIVE U:

Total Capacity = 399993 MB

RAID 0

TpccBackup1

### SMART-4200 Controller, Slot 3, Array A

LOGICAL DRIVE H:

Total Capacity = 26000 MB

RAID 0

Big\_fg

LOGICAL DRIVE P:

Total Capacity = 12000 MB

RAID 0

Misc\_fg

LOGICAL DRIVE W:

Total Capacity = 399993 MB

RAID 0

TpccBackup2

### SMART-4200 Controller, Slot 4, Array B

LOGICAL DRIVE I:

Total Capacity = 26000 MB

RAID 0

Big\_fg

LOGICAL DRIVE Q:

Total Capacity = 12000 MB

RAID 0

Misc\_fg

### SMART-4200 Controller, Slot 5, Array A

LOGICAL DRIVE J:

Total Capacity = 26000 MB

RAID 0

Big\_fg

LOGICAL DRIVE R:

Total Capacity = 12000 MB

RAID 0

Misc\_fg

### SMART-4200 Controller, Slot 6, Array B

<u>LOGICAL DRIVE K:</u>	<u>Total Capacity = 26000 MB</u>	<u>RAID 0</u>
Big_fg		
<u>LOGICAL DRIVE S:</u>	<u>Total Capacity = 12000 MB</u>	<u>RAID 0</u>
Misc_fg		

**SMART-4200 Controller, Slot 7, Array A**

<u>LOGICAL DRIVE L:</u>	<u>Total Capacity = 26000 MB</u>	<u>RAID 0</u>
Big_fg		
<u>LOGICAL DRIVE T:</u>	<u>Total Capacity = 12000 MB</u>	<u>RAID 0</u>
Misc_fg		

**SMART-4200 Controller, Slot 8, Array B**

<u>LOGICAL DRIVE M:</u>	<u>Total Capacity = 26000 MB</u>	<u>RAID 0</u>
Big_fg		
<u>LOGICAL DRIVE Y:</u>	<u>Total Capacity = 12000 MB</u>	<u>RAID 0</u>
Misc_fg		

**SMART-4200 Controller, Slot 10, Array B**

<u>LOGICAL DRIVE N:</u>	<u>Total Capacity = 26000 MB</u>	<u>RAID 0</u>
Big_fg		
<u>LOGICAL DRIVE Z:</u>	<u>Total Capacity = 12000 MB</u>	<u>RAID 0</u>
Misc_fg		

**SMART Controller, Slot 11, Array A**

<u>LOGICAL DRIVE F:</u>	<u>Total Capacity = 95000 MB</u>	<u>RAID 1</u>
Tpccllog		

### Priced Configuration vs. Measured Configuration:

The measured configuration has the backup devices stored on 9.1GB drives, whereas the priced configuration has tape drives for backup. The measured configuration had 434 9.1GB 10K drives and 14 4.3GB 10K drives, whereas the priced configuration had 252 9.1GB 10K drives and 224 4.3GB 10K drives.

### 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 1.4.11 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.*

No partitioning was used in this benchmark.

### 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.*

No replications, duplications or additional attributes were used in this benchmark.

# Clause 2 Related Items

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## Random Number Generation

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

The driver used the Benchmark RTE from Microsoft to generate random numbers for the input data. The random number generator received a unique seed for each user.

The Benchmark RTE computes random integers using an implementation of a linear congruent sequence as described in "The Art of Computer Programming, Volume 2/ Semi-numerical Algorithms" by Donald E. Knuth, copyright 1981 by Addison-Wesley Publishing Company.

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	99.00%
	Remote warehouse order lines	1.00%
	Rolled back transactions	1.00%
Payment	Average items per order	10.00
	Home warehouse payments	84.99%
	Remote warehouse payments	15.01%

Statistic	Value
Accessed by last name	60.00%
Order Status	60.02%
Transaction Mix	44.77% 43.03% 4.07% 4.09% 4.05%
	New Order Payment Order status Delivery Stock level

## Queuing Mechanism

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

Microsoft COM+ on each client machine served as the queuing mechanism to the database. Each delivery request was submitted to Microsoft COM+ asynchronously with control being returned to the client process immediately and the deferred delivery part completing asynchronously.

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 on a similar Proliant system. 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 was executed on a fully scaled database of 3240 warehouses under a full load of 32400 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 giving the beginning count.
- The RTE was started with 32400 users.
- The test was allowed to run for a minimum of 10 minutes.
- A checkpoint was performed.
- 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.
- The RTE was shutdown.

- 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

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## 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 Server**

Table	Cardinality as built
Warehouse	3250
District	32,500
Customer	97,500,000
History	97,500,000
Orders	97,500,000
New Order	29,250,000
Order Line	975,000,000
Stock	325,000,000
Item	100,000
Deleted Warehouses	10

## Database Layout

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

The benchmarked configuration used 9 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. The data tables were stored on 16 logical volumes of 56 drives each (i.e. 2 logical volumes on each controller array of 56 drives). Each data volume was configured with RAID 0 and the Array Accelerator was disabled for all the volumes. One logical volume of 28 9GB drives was configured as a RAID 1 and stored the transaction log. The transaction log volumes had the Array Accelerator disabled. The operating system was stored on a 4.3GB drive on the embedded SCSI 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 7.0 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 database was not replicated.

### **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 checktable(syslogs)*.
- Transactions were run against the database with a full load of users.
- The free space was again queried using *DBCC checktable(syslogs)*.
- The space used was calculated as the difference between the first and second query.
- The number of NEW-ORDERS was verified from an RTE report 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            40000.60 tpmC  
Price per tpmC            \$18.86 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 <sup>th</sup> %	Maximum
New-Order	0.80	1.294	7.51
Payment	0.40	0.72	9.27
Order-Status	0.22	0.28	4.72
Interactive Delivery	0.11	0.13	0.52
Deferred Delivery	0.56	0.75	1.78
Stock-Level	2.18	2.87	8.87
Menu	0.11	0.13	0.80

## 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	18.01	18.03
Payment	3.00	3.01	3.04
Order-Status	2.00	2.01	2.03
Interactive Delivery	2.00	2.01	2.03
Stock-Level	2.00	2.01	2.03

**Table 5.4: Think Times**

Type	Minimum	Average	Maximum
New-Order	0.00	12.04	120.50
Payment	0.00	12.03	120.51
Order-Status	0.00	10.03	100.49
Interactive Delivery	0.00	5.08	50.50
Stock-Level	0.00	5.05	50.49

**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.*



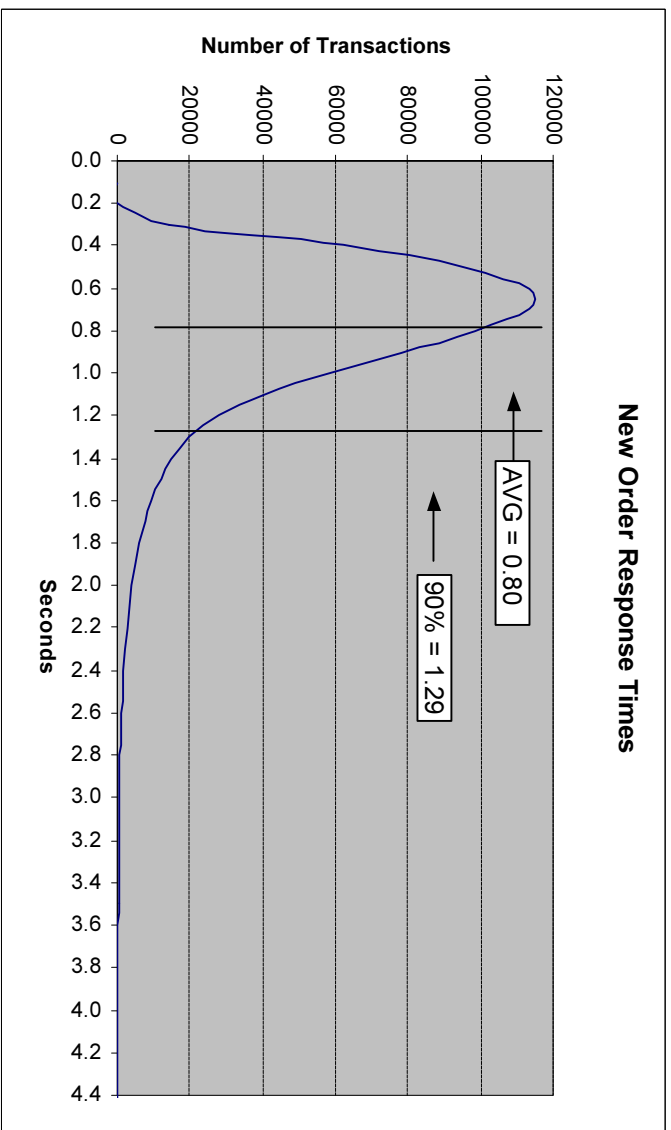


Figure 3. New Order Response Time Distribution

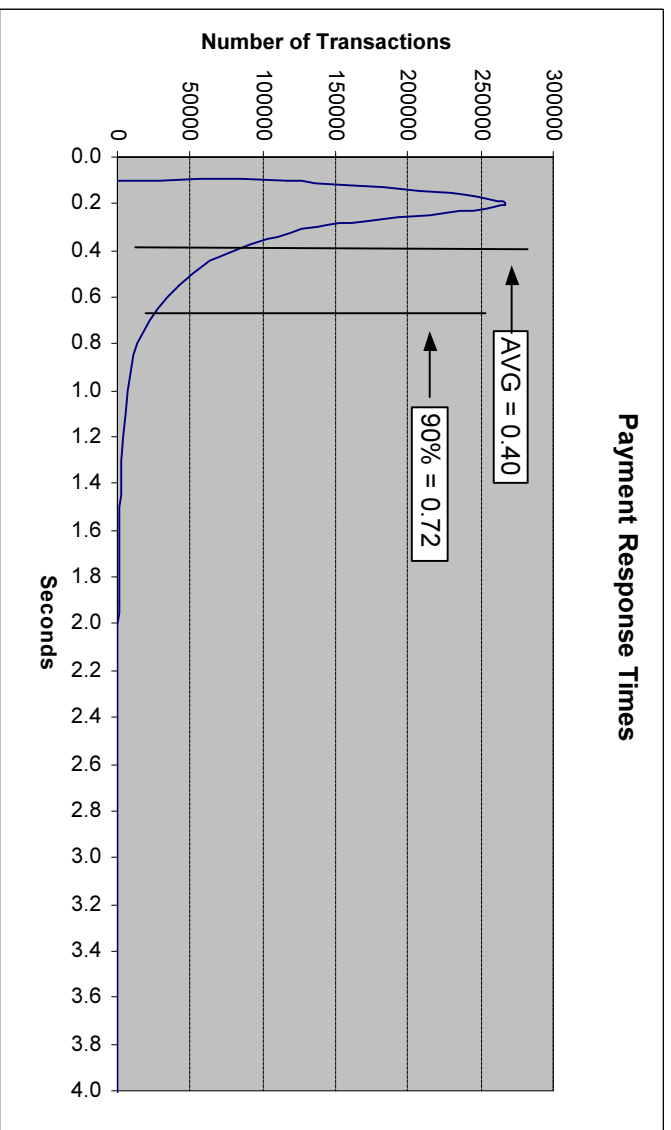


Figure 4. Payment Response Time Distribution

Figure 5. Order Status Response Time Distribution

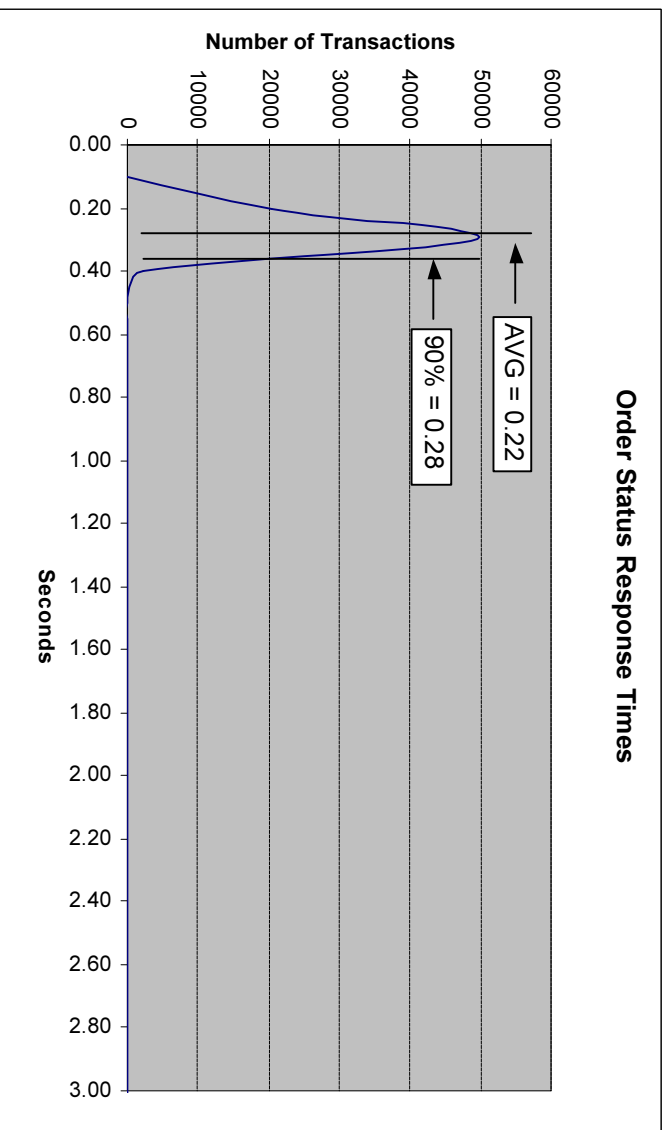


Figure 6. Delivery Response Time Distribution

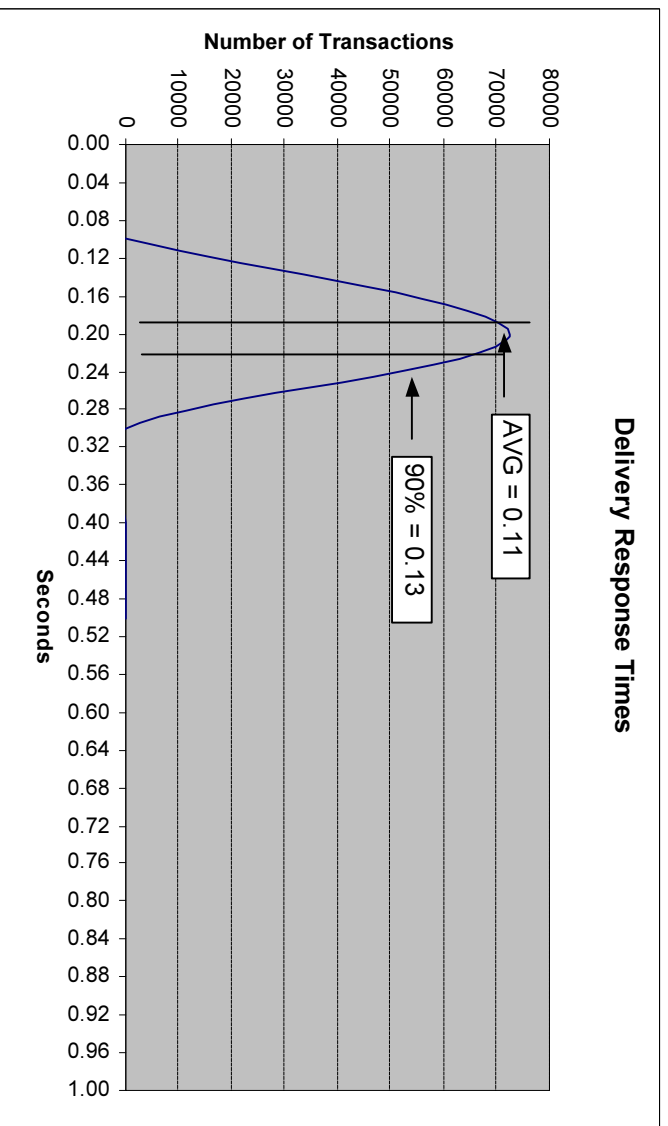


Figure 7. Stock Level Response Time Distribution

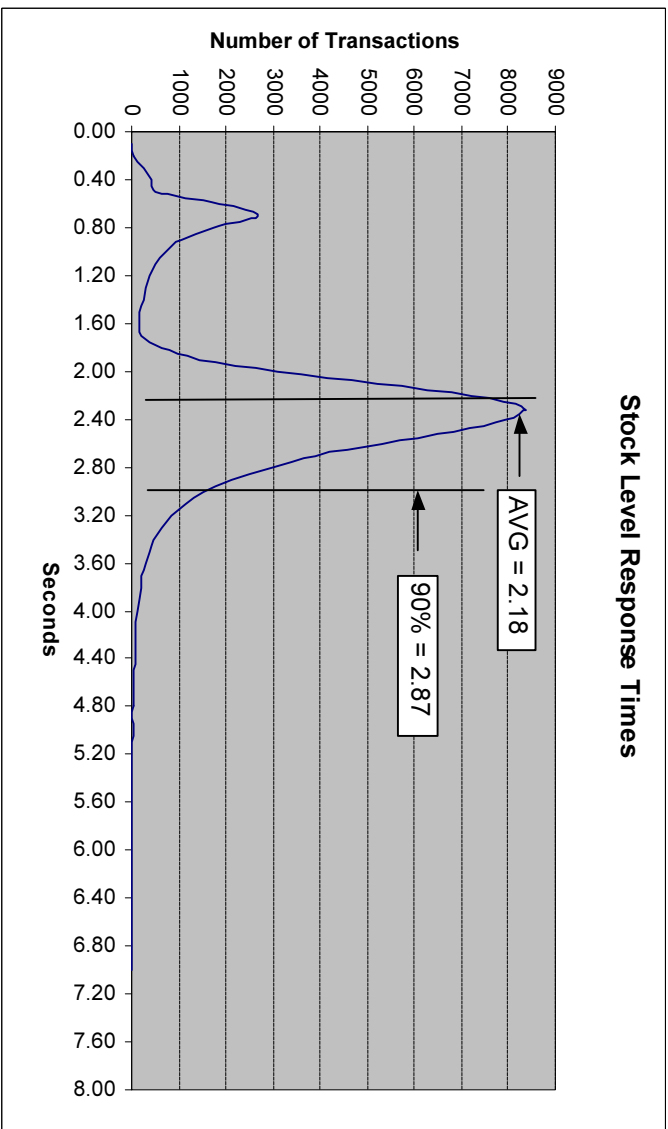


Figure 8. Response Time vs. Throughput

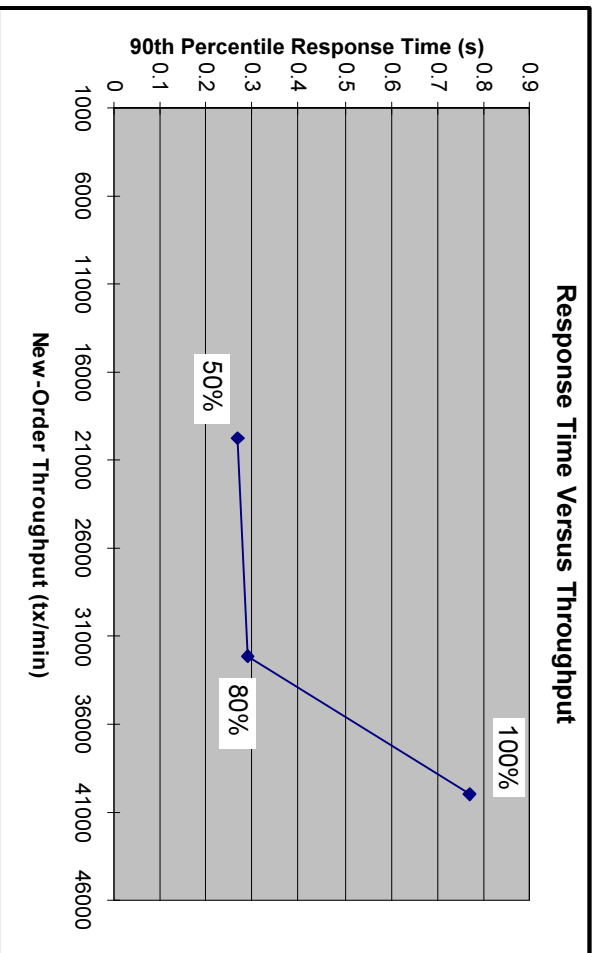


Figure 9. New Order Think Time Distribution

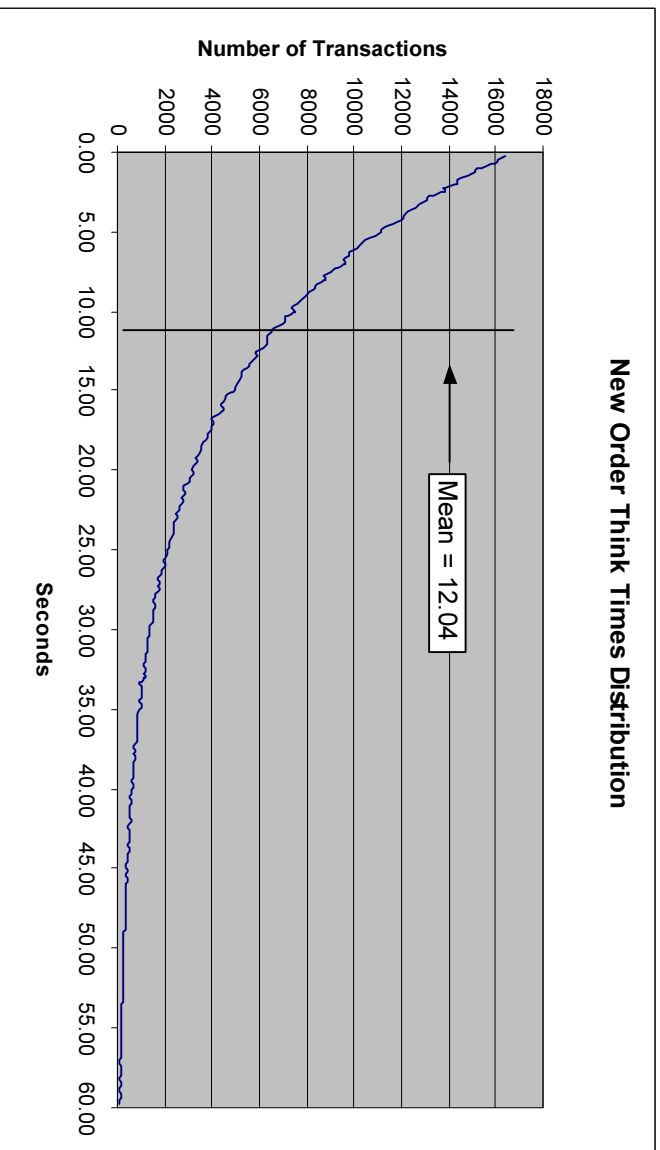
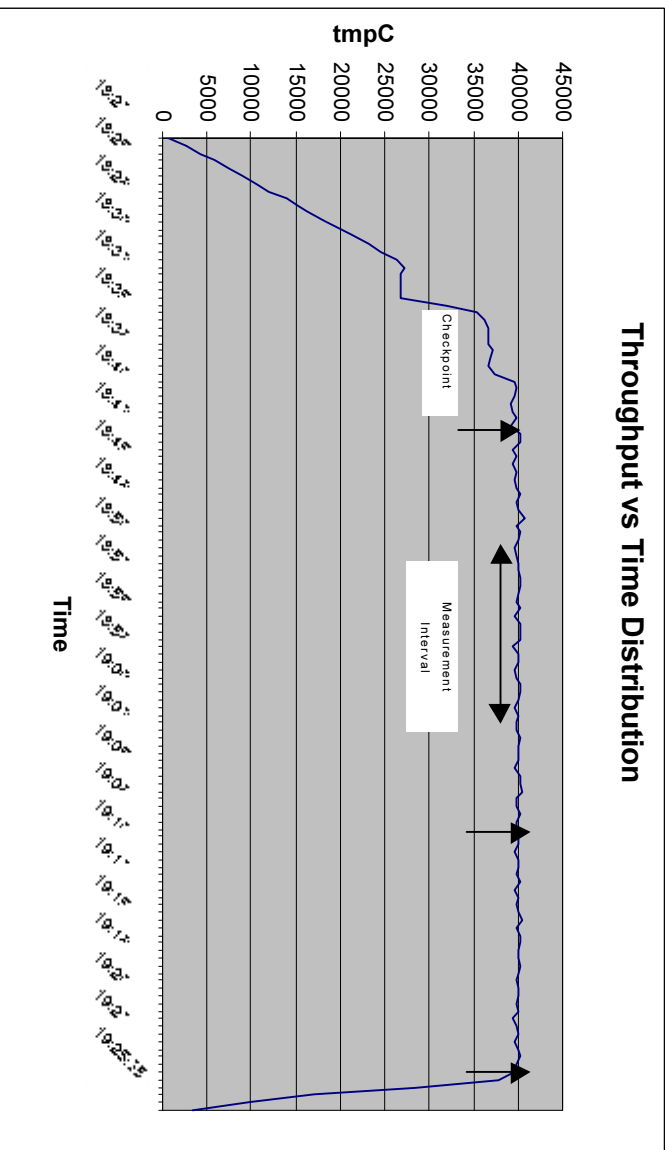


Figure 10. Throughput vs. Time Distribution



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 DBLIB 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 29 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 0.9 % 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	84.99%
	Remote warehouse payments	15.01%
Order Status	Accessed by last name	60.00%
Transaction Mix	Accessed by last name	60.02%
Transaction Mix	New Order	44.77%
	Payment	43.03%
	Order status	4.07%
	Delivery	4.09%
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 33 minutes after the start of the ramp-up. Subsequent checkpoints occurred every 20 minutes. The checkpoint in the measurement interval lasted approximately 3.45 minutes. The measurement interval contains the second checkpoint, and is clear of the guard zones.

# Clause 6 Related Items

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## **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 Benchmark RTE. Benchmark 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 10 Compaq ProLiant 850R servers. These driver machines were attached to the 5 Compaq ProLiant 1600 6/500 client machines through a 10Mb/s Ethernet connection to the Compaq SW3322 Dual Speed Switch. 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, 10 driver (RTE) machines were connected to the Compaq SW3322 24-port Dual Speed switches with 10Mb/s Ethernet connections. The 5 client machines were connected to the switch with 100Mb/s connections. The server (SUT) was connected to the Compaq switch 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

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## 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 40000.60 tpmC
- Price per tpmC \$18.86 per tpmC
- Availability December 31, 1999
- Hardware availability date August 15, 1999

## 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:

- 1 Microsoft Windows NT 4.0 Server Enterprise Edition
- 5 Microsoft Windows 2000 Standard Edition licenses (includes Microsoft COM+)
- One Microsoft SQL Server 7.0 Enterprise Edition (Unlimited User Licenses)
- One Microsoft Visual C++
- Compaq Servers include 3 years of support.



# Clause 9 Related Items

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## 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 Tom Sawyer 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](mailto: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*

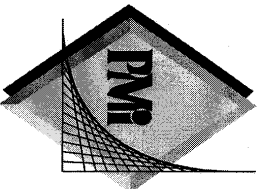
*been submitted to the TPC Administrator as well as written permission obtained to distribute same.*

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**

July 8, 1999

Paul Cao  
Senior System Engineer  
Compaq Computer Corporation  
20555 SH249  
Houston, Texas 77070

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

Platform: ProLiant 8500  
Database Manager: Microsoft SQL Server Enterprise Edition 7.0  
Operating System: Server: Microsoft Windows NT Server Enterprise Edition 4.0 (SP4)  
Clients: Microsoft Windows 2000 Standard Edition  
Transaction Manager: Microsoft COM+ (included in Windows 2000)

Server: ProLiant 8000				
CPU's	Memory	Disks	90% Response	TpmC
8 Pentium III Xeon @ 550 Mhz	Main: 4 GB Cache: 2MB each	15 @ 4.3 GB 434 @ 9.1 GB	<b>1.29 sec</b>	<b>40,000.60</b>
5 Clients: ProLiant 1600-500				
2 Pentium III @ 500 MHz	Main: 512 MB Cache: 512K	1 @ 3.97 GB	na	na

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 transaction monitor implementation was verified.
- The transactions were correctly implemented.
- The database was properly sized and populated.

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(916) 985-1131 fax: (916) 985-1185 email: Lorna@PerfMetrics.com

Page 1

**PERFORMANCE METRICS INC.**  
**TPC Certified Auditors**

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- The database was properly scaled with 3,250 warehouses. There were 3,240 warehouses used in the measurement. I verified that `d_next_o_id` and `w_ytd` did not change for the unused warehouses.
- The ACID properties were met.
- The durability data loss and log loss tests were performed on a comparable system with the same binaries.
- Input data was generated according to the specified percentages.
- Eight hours of mirrored log space was configured on the measured system.
- Eight hours of dynamic table growth space was configured on the measured system.
- The 180-day space calculation was verified -- see Auditor Notes.
- Measurement cycle times included a 0.1-second menu and a 0.1-second response time delay for an emulated Web browser.
- There were 32,400 user contexts present on the system.
- Each driver engine started with a different random number seed.
- The NURand constants used for database load and at run time were 123 and 233.
- 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.

Auditor Notes:

The disks were stripped in groups of 56 drives. There were 42 9GB drives stripped with 4GB drives. The disk controller could only use 4GB on these drives. The priced configuration substituted 42 4GB drives for that controller. In addition, 224 9GB drives were changed to 4GB drives in the priced configuration. I verified that the substitution would not affect performance.

Sincerely,



Tom Sawyer  
Auditor

---

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(916) 985-1131 fax: (916) 985-1185 email: [Lorna@PerMetrics.com](mailto:Lorna@PerMetrics.com)

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# Appendix A: Source Code

The client source code is listed below.

## Tpcc.cpp

```
/* FILE: TPCC.C Microsoft TPC-C Kit Ver. 4.10.000
 * Audited by Richard Gimarc, Performance
Metrics, 3/17/99
 * Copyright Microsoft, 1999
 *
 * PURPOSE: Main module for TPCC.DLL which is an ISAPI service dll.
 * Contact: Charles Levine (clevine@microsoft.com)
 */

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

DWORD iMaxConnections = 100;

DBPROTOCOL eDB_Protocol = Unspecified;
TXNMON eTxnMon = None;
char szPath[64]; // path to location of
tpc-c dll's

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_COM *pCTPCC_COM_new;

// For deferred Delivery txns:

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

HANDLE hWorkerSemaphore =
INVALID_HANDLE_VALUE;
HANDLE hDoneEvent
= INVALID_HANDLE_VALUE;

HANDLE *pDeliHandles =
NULL;

// values populated from registry settings; needed for connection made by delivery
threads
char szServer[32];
char //SQL server name
szDatabase[32];
char //tpcc database name
```

```

char          //user name          szUser[32];
char          //user password      szPassword[32];

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;
DWORD          dwDelBuffBusyIndex = 0;
DWORD          // index position of entry waiting to be delivered
DWORD          dwDelBuffFreeIndex = 0;
// index position of unused entry

/* 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 occured in initialization
 *              TRUE
 *              DLL successfully initialized
 */
BOOL APIENTRY 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);
                ReadRegistrySettings();
                TermInit();
        }
    }
}

```

```

// load DLL for txn monitor
if (eTxnMon == TUXEDO)
{
    strcpy( szDllName, 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 (eTxnMon == COM)
{
    strcpy( szDllName, szPath );
    strcat( szDllName,
"tpcc_com.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_COM_new = (TYPE_CTPCC_COM*)
GetProcAddress(hLibInstanceTm, "CTPCC_COM_new");
    if (pCTPCC_COM_new == NULL)
        throw new CWEBCLNT_ERR(
ERR_GETPROCADDR_FAILED, szDllName, GetLastError() );
    }

// load DLL for database connection
if ((eTxnMon == None) ||
(dwNumDeliveryThreads > 0))
{
    if (eDB_Protocol == DBLIB)
    {
        strcpy( szDllName,
szPath );
        strcat( szDllName,
"tpcc_dblib.dll");
        hLibInstanceDb =
LoadLibrary( szDllName );
        if (hLibInstanceDb ==
NULL)
            throw new
CWEBCLNT_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
CWEBCLNT_ERR( ERR_GETPROCADDR_FAILED, szDllName, GetLastError() );
    }
    else if (eDB_Protocol == ODBC)
    {
        strcpy( szDllName,
        strcat( szDllName,
        "tpcc_odbc.dll");
        LoadLibrary( szDllName );
        hLibInstanceDb =
        if (hLibInstanceDb ==
NULL)
        throw new
CWEBCLNT_ERR( ERR_LOADDLL_FAILED, szDllName, GetLastError() );
        // get function pointer
        pCTPCC_ODBC_new =
        (TYPE_CTPCC_ODBC*) GetProcAddress(hLibInstanceDb, "CTPCC_ODBC_new");
        if (pCTPCC_ODBC_new ==
NULL)
        throw new
CWEBCLNT_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-
%2.2d%2.2d%2.2d-%2.2d%2.2d.log",
        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
    txnDelilog-
>WriteCtrlRecToLog(TXN_EVENT_START, szMyComputerName, sizeof(szMyComputerName));
    // allocate structures for
    pDeliHandles = new
HANDLE[dwNumDeliveryThreads];

```

```

        pDelBuff = new
DELIVERY_TRANSACTION[dwDelBuffSize];
        // launch DeliveryWorkerThread to
perform actual delivery txns
        for(i=0; i<dwNumDeliveryThreads;
i++)
        {
            pDeliHandles[i] =
            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);

    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 (dwNumDeliveryThreads)
    {
        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 error
 *
 *               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 (eDB_Protocol == ODBC)

```

```

        pTxn = pCTPCC_ODBC_new( szServer, szUser, szPassword,
szMyComputerName, szDatabase );
        else if (eDB_Protocol == DBLIB)
            pTxn = pCTPCC_DBLIB_new( szServer, szUser, szPassword,
szMyComputerName, szDatabase );
        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(), szServer, szUser,
szPassword, szDatabase );
        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,
                gHandles[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];
        sprintf( szTmp, "Error in Delivery Txn thread. %s",
e->ErrorText() );

        WriteMessageToEventLog( szTmp );
        delete e;

        // log the error txn
        txnDeliRec.TxnStatus = e->ErrorType();
        if (txnDelilog != NULL)
            txnDelilog->WriteToLog(&txnDeliRec);
    }
    catch (...)
    {
        // unhandled exception; shouldn't happen; not much we
        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
delivery buffer is full.
        // 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;
    *pSyncId = 0;
    *pFormId = 0;

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

    // parse FORMID, TERMID, and SYNCID
    if ( GetKeyValue(&ptr, "FORMID", szBuffer, sizeof(szBuffer)) )
        *pFormId = atoi(szBuffer);

    if ( GetKeyValue(&ptr, "TERMID", szBuffer, sizeof(szBuffer)) )
        *pTermId = atoi(szBuffer);

    if ( GetKeyValue(&ptr, "SYNCID", szBuffer, sizeof(szBuffer)) )
        *pSyncId = atoi(szBuffer);

    // parse CMD
    if ( !GetKeyValue(&ptr, "CMD", szBuffer, sizeof(szBuffer)) )
        throw new CWEBCLNT_ERR( 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>Welcome To TPC-
</TITLE></HEAD><BODY>"

    " <B><BIG>Microsoft TPC-C
    "Compiled: "__DATE__",
    "__TIME__" <BR>"
    "Source: "__FILE__"
    (" __TIMESTAMP__ ") <BR>"
    " <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=\"1\">"
    " <INPUT TYPE=\"hidden\"
    NAME=\"TERMID\" VALUE=\"0\">"
    " <INPUT TYPE=\"hidden\"
    NAME=\"SYNCID\" VALUE=\"0\">"
    " <INPUT TYPE=\"hidden\"
    NAME=\"VERSION\" VALUE=\"\" WEBCCLIENT_VERSION \"\">"
    );

    char szDB[16];
    switch (eDB_Protocol)
    {
        case ODBC: strcpy( szDB, "ODBC" ); break;
        case DBLIB: strcpy( szDB, "DBLIB" ); break;
        default: strcpy( szDB, "*UNKNOWN*" ); break;
    }

    char szTM[16];
    switch (eTxnMon)
    {
        case TUXEDO: strcpy( szTM, "TUXEDO" ); break;
        case COM: strcpy( szTM, "COM" ); break;
        case None: strcpy( szTM, "None" ); break;
    }

    sprintf( szTmp, "Configuration Settings: <BR>"
        "Database protocol = %s <BR>"
        "Txn Monitor = %s <BR>"
        "Max Connections = %d <BR>"
        "# of Delivery Threads = %d <BR>"
        "Max Pending Deliveries = %d
    <BR><BR><BR>"
        , szDB, szTM, iMaxConnections, dwNumDeliveryThreads,
    dwDelBuffSize );
    strcat( szBuffer, szTmp);

    sprintf( szTmp, "Please Identify your Warehouse and District for this
    session.<BR><BR>"
        "<font face=\"Courier New\">"
        "DB Server <INPUT
    NAME=\"db_server\" SIZE=20 VALUE=\"%s\"><BR>"
        "DB User ID <INPUT
    NAME=\"db_user\" SIZE=20 VALUE=\"%s\"><BR>"
        "DB Password <INPUT
    NAME=\"db_passwd\" SIZE=20 VALUE=\"%s\"><BR>"
        "Database name <INPUT
    NAME=\"db_name\" SIZE=20 VALUE=\"%s\"><BR><BR>"
        , szServer, szUser, szPassword, szDatabase );
    strcat( szBuffer, szTmp);

    strcat( szBuffer, "Warehouse ID <INPUT NAME=\"w_id\" SIZE=4><BR>"
        "District ID <INPUT
    NAME=\"d_id\" SIZE=2><BR>"
        "</font><HR>"
        " <INPUT TYPE=\"submit\"
    NAME=\"CMD\" VALUE=\"Submit\">"
    "</FORM></BODY></HTML>");

```

```

}

/* 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         szTmp[32];
    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
    if ( !GetKeyValue(&ptr, "VERSION", szVersion, sizeof(szVersion)) )
        throw new CWEBCLNT_ERR( ERR_VERSION_MISMATCH );
    if ( strcmp( szVersion, WEBCLIENT_VERSION ) )
        throw new CWEBCLNT_ERR( ERR_VERSION_MISMATCH );

    // parse Server name
    if ( !GetKeyValue(&ptr, "db_server", szServer, sizeof(szServer)) )
        throw new CWEBCLNT_ERR( ERR_NO_SERVER_SPECIFIED );

    // parse User name
    GetKeyValue(&ptr, "db_user", szUser, sizeof(szUser));
    // parse Password
    GetKeyValue(&ptr, "db_passwd", szPassword, sizeof(szPassword));
    // parse Database name
    GetKeyValue(&ptr, "db_name", szDatabase, sizeof(szDatabase));

    // parse warehouse ID
    if ( !GetKeyValue(&ptr, "w_id", szTmp, sizeof(szTmp)) )
        throw new CWEBCLNT_ERR( ERR_HTML_ILL_FORMED );

    int w_id = atoi(szTmp);
    if ( w_id < 1 )
        throw new CWEBCLNT_ERR( ERR_W_ID_INVALID );

    // parse district ID
    if ( !GetKeyValue(&ptr, "d_id", szTmp, sizeof(szTmp)) )
        throw new CWEBCLNT_ERR( ERR_HTML_ILL_FORMED );

    int d_id = atoi(szTmp);
    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 (eTxnMon == TUXEDO)
            Term.pClientData[iNewTerm].pTxn = pCTPCC_TUXEDO_new();
        else if (eTxnMon == COM)
            Term.pClientData[iNewTerm].pTxn = pCTPCC_COM_new(
szServer, szUser, szPassword, szDatabase );
        else if (eDB_Protocol == ODBC)
            Term.pClientData[iNewTerm].pTxn = pCTPCC_ODBC_new(
szServer, szUser, szPassword, szMyComputerName, szDatabase );
        else if (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 iTot;

    EnterCriticalSection(&TermCriticalSection);

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

    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>"
, iTot );
}

char *CWEBCLNT_ERR::ErrorText()
{
    int i;

    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. GetProcAddr error."
        },
        {
            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."
        },
        {
            ERR_MAX_CONNECTIONS_EXCEEDED,
            "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,
            "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,
            "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_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_TO_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, "Stock Level;
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, ""
        },
        }
};

static char szNotFound[] = "Unknown error number.";

for(i=0; errorMsgs[i].szMsg[0]; i++)
{
    if ( m_Error == errorMsgs[i].iError )
        break;
}
if ( !errorMsgs[i].szMsg[0] )
    return szNotFound;
else
    return errorMsgs[i].szMsg;
}

/* FUNCTION: BOOL GetKeyValue
 *
 * PURPOSE: This function parses a http formatted string for specific key
values.
 *

```

```

 * ARGUMENTS: char *pQueryString http string
from client browser
 * char *pKey
key value to look for
 * char *pValue
character array into which to place key's value
 * int iMax
maximum length of key value array.
 * RETURNS: BOOL FALSE key value not found
TRUE key valud
found
 *
 * 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.
 */

BOOL GetKeyValue(char **pQueryString, char *pKey, char *pValue, int iMax)
{
    char *ptr;

    if ( !(ptr=strstr(*pQueryString, pKey)) )
        return FALSE;
    if ( !(ptr=strchr(ptr, '=') )
        return FALSE;

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

    *pQueryString = ptr;
    return TRUE;
}

/* 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 = iMaxConnections+1;

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

```

```

        throw new CWBCLNT_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<iMaxConnections;
        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=\"TERMINID\" 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=\"TERMINID\" 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></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></PRE><HR>"
            "<INPUT TYPE=\"submit\" NAME=\"CMD\"
VALUE=\"..NewOrder..\">"
            "<INPUT TYPE=\"submit\" NAME=\"CMD\"
VALUE=\"..Payment..\">"
            "<INPUT TYPE=\"submit\" NAME=\"CMD\"
VALUE=\"..Delivery..\">"
            "Status..\">"
            "<INPUT TYPE=\"submit\" NAME=\"CMD\"
Level..\">"
            "<INPUT TYPE=\"submit\" NAME=\"CMD\"
VALUE=\"..Exit..\">"
            "</FORM></HTML>" );
    }
}

```



```

                "/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> <BR> <BR> <BR>";
    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
<INPUT NAME=\"Qty00*\"
NAME=\"IID00*\" SIZE=6>
SIZE=1><BR>"
" <INPUT NAME=\"SP01*\" SIZE=4> <INPUT
<INPUT NAME=\"Qty01*\"
NAME=\"IID01*\" SIZE=6>
SIZE=1><BR>"
" <INPUT NAME=\"SP02*\" SIZE=4> <INPUT
<INPUT NAME=\"Qty02*\"
NAME=\"IID02*\" SIZE=6>
SIZE=1><BR>"

```

```

NAME=\"IID03*\" SIZE=6>
SIZE=1><BR>"
" <INPUT NAME=\"SP03*\" SIZE=4> <INPUT
<INPUT NAME=\"Qty03*\"
NAME=\"IID04*\" SIZE=6>
SIZE=1><BR>"
" <INPUT NAME=\"SP04*\" SIZE=4> <INPUT
<INPUT NAME=\"Qty04*\"
NAME=\"IID05*\" SIZE=6>
SIZE=1><BR>"
" <INPUT NAME=\"SP05*\" SIZE=4> <INPUT
<INPUT NAME=\"Qty05*\"
NAME=\"IID06*\" SIZE=6>
SIZE=1><BR>"
" <INPUT NAME=\"SP06*\" SIZE=4> <INPUT
<INPUT NAME=\"Qty06*\"
NAME=\"IID07*\" SIZE=6>
SIZE=1><BR>"
" <INPUT NAME=\"SP07*\" SIZE=4> <INPUT
<INPUT NAME=\"Qty07*\"
NAME=\"IID08*\" SIZE=6>
SIZE=1><BR>"
" <INPUT NAME=\"SP08*\" SIZE=4> <INPUT
<INPUT NAME=\"Qty08*\"
NAME=\"IID09*\" SIZE=6>
SIZE=1><BR>"
" <INPUT NAME=\"SP09*\" SIZE=4> <INPUT
<INPUT NAME=\"Qty09*\"
NAME=\"IID10*\" SIZE=6>
SIZE=1><BR>"
" <INPUT NAME=\"SP10*\" SIZE=4> <INPUT
<INPUT NAME=\"Qty10*\"
NAME=\"IID11*\" SIZE=6>
SIZE=1><BR>"
" <INPUT NAME=\"SP11*\" SIZE=4> <INPUT
<INPUT NAME=\"Qty11*\"
NAME=\"IID12*\" SIZE=6>
SIZE=1><BR>"
" <INPUT NAME=\"SP12*\" SIZE=4> <INPUT
<INPUT NAME=\"Qty12*\"
NAME=\"IID13*\" SIZE=6>
SIZE=1><BR>"
" <INPUT NAME=\"SP13*\" SIZE=4> <INPUT
<INPUT NAME=\"Qty13*\"
NAME=\"IID14*\" SIZE=6>
SIZE=1><BR>"
" <INPUT NAME=\"SP14*\" SIZE=4> <INPUT
<INPUT NAME=\"Qty14*\"
"Execution Status:
" </font></PRE><HR>"
" <INPUT TYPE=\"submit\" NAME=\"CMD\"
VALUE=\"Process\">"
" <INPUT TYPE=\"submit\" NAME=\"CMD\" VALUE=\"Menu\">"
" </FORM></HTML>"
);
    }
    else
    {
        c += wsprintf(szForm+c, "Warehouse: %4.4d  District: %2.2d
Date: ",
pNewOrderData->w_id,
pNewOrderData->d_id);
        if ( bValid )
        {
            c += wsprintf(szForm+c, "%2.2d-%2.2d-%4.4d
%2.2d:%2.2d:%2.2d",
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 ",
        pNewOrderData->c_id, pNewOrderData->c_last,
pNewOrderData->c_credit);
        if ( bValid )
        {
            c += sprintf(szForm+c,
                "%Disc: %5.2f
                "Order Number: %8.8d
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_i_price,
                pNewOrderData->OL[i].ol_amount );
            }
        }
        else
        {
            c += sprintf(szForm+c,
                "%Disc:<BR>"
                "Order Number: %8.8d Number of Lines:
                " Supp_W Item_Id Item Name
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>"

```

```

        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>"
    );
}
}
/* 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=\"TERMID\" 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>\"       \"
New Cust-Balance:<BR>\" \"Amount Paid:          $<INPUT NAME=\"HAM*\" SIZE=7>
<BR></font></PRE><HR>\"  \"Credit Limit:<BR> <BR>Cust-Data: <BR> <BR> <BR> <BR>
                \"<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,
District: %2.2d<BR>\"      \"<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>\"
                \"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>          %-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> <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..\">"
        "<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: 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>
<BR>"
            "Execution Status: <BR> <BR> <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=\"Process\">"
            "<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>"
</font></PRE>"
" <BR> <BR> <BR> <BR> <BR> <BR> <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..\">"
" </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      szTmp[26];
    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;

    if ( !GetKeyValue(&ptr, "OCD*", szTmp, sizeof(szTmp)) )
        throw new CWEBCLNT_ERR( ERR_DELIVERY_MISSING_OCD_KEY );
    if ( !IsNumeric(szTmp) )
        throw new CWEBCLNT_ERR( ERR_DELIVERY_CARRIER_INVALID );
    pDelivery->o_carrier_id = atoi(szTmp);

    if ( pDelivery->o_carrier_id > 10 || pDelivery->o_carrier_id < 1 )
        throw new CWEBCLNT_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 not using a txn monitor
        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      szTmp[26];
    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;

    if ( !GetKeyValue(&ptr, "TT*", szTmp, sizeof(szTmp)) )
        throw new CWEBCLNT_ERR( ERR_STOCKLEVEL_MISSING_THRESHOLD_KEY );
    if ( !IsNumeric(szTmp) )
        throw new CWEBCLNT_ERR( ERR_STOCKLEVEL_THRESHOLD_INVALID );
    pStockLevel->threshold = atoi(szTmp);

    if ( pStockLevel->threshold >= 100 || pStockLevel->threshold < 0 )
        throw new CWEBCLNT_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*" };

    if ( !GetKeyValue(&ptr, "DID*", szTmp, sizeof(szTmp)) )
        throw new CWEBCLNT_ERR( ERR_NEWORDER_FORM_MISSING_DID );
}

```

```

if ( !IsNumeric(szTmp) )
    throw new CWBCLNT_ERR( ERR_NEWORDER_DISTRICT_INVALID );
pNewOrderData->d_id = atoi(szTmp);

if ( !GetKeyValue(&ptr, "CID*", szTmp, sizeof(szTmp)) )
    throw new CWBCLNT_ERR( ERR_NEWORDER_CUSTOMER_KEY );

if ( !IsNumeric(szTmp) )
    throw new CWBCLNT_ERR( ERR_NEWORDER_CUSTOMER_INVALID );
pNewOrderData->c_id = atoi(szTmp);

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

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

    if ( !GetKeyValue(&ptr, szQty[i], szTmp,
sizeof(szTmp)) )
        throw new CWBCLNT_ERR(
ERR_NEWORDER_MISSING_QTY_KEY );
    if ( !IsNumeric(szTmp) )
        throw new CWBCLNT_ERR(
ERR_NEWORDER_QTY_INVALID );
    ol_quantity = pNewOrderData->OL[items].ol_quantity =
atoi(szTmp);
    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
    if ( !GetKeyValue(&ptr, szIID[i], szTmp,
sizeof(szTmp)) )
        throw new CWBCLNT_ERR(
ERR_NEWORDER_MISSING_IID_KEY );

    if ( szTmp[0] )
        throw new CWBCLNT_ERR(
ERR_NEWORDER_ITEMID_WITHOUT_SUPPW );
}
}

```

```

if ( !GetKeyValue(&ptr, szQty[i], szTmp,
sizeof(szTmp)) )
    throw new CWBCLNT_ERR(
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;

    if ( !GetKeyValue(&ptr, "DID*", szTmp, sizeof(szTmp)) )
        throw new CWBCLNT_ERR( ERR_PAYMENT_MISSING_DID_KEY );
    if ( !IsNumeric(szTmp) )
        throw new CWBCLNT_ERR( ERR_PAYMENT_DISTRICT_INVALID );
    pPaymentData->d_id = atoi(szTmp);

    if ( !GetKeyValue(&ptr, "CID*", szTmp, sizeof(szTmp)) )
        throw new CWBCLNT_ERR( 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);

}

if ( !GetKeyValue(&ptr, "CWI*", szTmp, sizeof(szTmp)) )
    throw new CWBCLNT_ERR( ERR_PAYMENT_MISSING_CWI_KEY );
if ( !IsNumeric(szTmp) )
    throw new CWBCLNT_ERR( ERR_PAYMENT_CWI_INVALID );
pPaymentData->c_w_id = atoi(szTmp);

if ( !GetKeyValue(&ptr, "CDI*", szTmp, sizeof(szTmp)) )

```

```

        throw new CWBCLNT_ERR( ERR_PAYMENT_MISSING_CDI_KEY );
if ( !IsNumeric(szTmp) )
    throw new CWBCLNT_ERR( ERR_PAYMENT_CDI_INVALID );
pPaymentData->c_d_id = atoi(szTmp);

if ( bCustIdBlank )
{
    // customer id is blank, so last name must be entered
    if ( !GetKeyValue(&ptr, "CLT*", szTmp, sizeof(szTmp)) )
        throw new CWBCLNT_ERR( 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_TOO_LONG );
}

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

if ( !GetKeyValue(&ptr, "HAM*", szTmp, sizeof(szTmp)) )
    throw new CWBCLNT_ERR( 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;

    if ( !GetKeyValue(&ptr, "DID*", szTmp, sizeof(szTmp)) )
        throw new CWBCLNT_ERR( ERR_ORDERSTATUS_MISSING_DID_KEY );
    if ( !IsNumeric(szTmp) )
        throw new CWBCLNT_ERR( ERR_ORDERSTATUS_DID_INVALID );
    pOrderStatusData->d_id = atoi(szTmp);

    if ( !GetKeyValue(&ptr, "CID*", szTmp, sizeof(szTmp)) )
        throw new CWBCLNT_ERR( ERR_ORDERSTATUS_MISSING_CID_KEY );

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

/* FUNCTION: ReadRegistrySettings
*
* PURPOSE:      This function reads the NT registry for startup parameters.
There parameters are
*
*               under the TPCC key.
*
* COMMENTS:     This function also sets up required operation variables to their
default value
*
*               so if registry is not setup the default
values will be used.
*
*/
void ReadRegistrySettings(void)
{
    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 )
        throw new CWBCLNT_ERR( ERR_MISSING_REGISTRY_ENTRIES );
    size = sizeof(szTmp);

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

    // 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, "TUXEDO") )
                eTxnMon = TUXEDO;
            else if ( !strcmp(szTmp, "COM") )
                eTxnMon = COM;
            else
                eTxnMon = None;
        }

        size = sizeof(dwTmp);
        if ( ( RegQueryValueEx(hKey, "MaxConnections", 0, &type, (LPBYTE)&dwTmp,
&size) == ERROR_SUCCESS )
            && (type == REG_DWORD) )
            iMaxConnections = dwTmp;

        size = sizeof(dwTmp);
        if ( ( RegQueryValueEx(hKey, "MaxPendingDeliveries", 0, &type,
(LPBYTE)&dwTmp, &size) == ERROR_SUCCESS )
            && (type == REG_DWORD) )
            dwDelBuffSize = min( dwTmp, 10000 ); // min with 10000 as a
sanity constraint

        size = sizeof(dwTmp);
        if ( ( RegQueryValueEx(hKey, "NumberOfDeliveryThreads", 0, &type,
(LPBYTE)&dwTmp, &size) == ERROR_SUCCESS )
            && (type == REG_DWORD) )
            dwNumDeliveryThreads = min( dwTmp, 100 ); // min with 100 as a
sanity constraint

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

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

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

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

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

        RegCloseKey(hKey);
    }

/* 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 *dotpstr;
    BOOL  bValid;

    if ( *ptr == 0 )
        return FALSE;

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

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

    if (*(dotpstr+1) != 0)

```

```

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

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

```

## Tpcc.h

```

/* FILE: TPCC.H
 * Microsoft TPC-C Kit Ver. 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.
 * Copyright Microsoft, 1999
 * All Rights Reserved
 */

//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 //beginning form no term id assigned, form id 1
#define MAIN_MENU_FORM //term id assigned main menu form id 2
#define NEW_ORDER_FORM //new order form id 3
#define PAYMENT_FORM //payment form id 4
#define DELIVERY_FORM //delivery form id 5
#define ORDER_STATUS_FORM //order status id 6
#define STOCK_LEVEL_FORM //stock level form id 7

//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
{
    ERR_COMMAND_UNDEFINED = 1,
    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;
    };

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

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

    WEBERROR m_Error;
    char *m_szTextDetail;
    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);
BOOL GetKeyValue(char **pQueryString, char *pKey, char *pValue, int iMax);
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);
void ReadRegistrySettings(void);
BOOL PostDeliveryInfo(short w_id, short o_carrier_id);
BOOL IsNumeric(char *ptr);
BOOL IsDecimal(char *ptr);
void DeliveryWorkerThread(void *ptr);

```

## Tpcc\_com.cpp

```

/* FILE: TPCC_COM.CPP
* Microsoft TPC-C Kit Ver. 4.10.000

```

```

*                               not yet audited
*
*                               Copyright Microsoft, 1999
*
*/

// needed for CoinitializeEx
#define _WIN32_WINNT 0x0400

#include <windows.h>

// need to declare functions for export
#defineDllDecl __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 "..\..\components\itpcc_i.c"
#include "..\..\components\tpccneworder\tpccneworder_i.c"
#include "..\..\components\tpccpayment\tpccpayment_i.c"
#include "..\..\components\tpccstocklevel\tpccstocklevel_i.c"
#include "..\..\components\tpccorderstatus\tpccorderstatus_i.c"

// wrapper routine for class constructor
_declspec( dllexport ) CTPCC_COM* CTPCC_COM_new(LPCSTR szServer, LPCSTR szUser,
LPCSTR szPassword, LPCSTR szDatabase)
{
    return new CTPCC_COM(szServer, szUser, szPassword, szDatabase);
}

CTPCC_COM::CTPCC_COM(LPCSTR szServer, LPCSTR szUser, LPCSTR szPassword, LPCSTR
szDatabase)
{
    HRESULT hr = NULL;
    long lRet = 0;

    hr = CoInitializeEx(NULL, COINIT_MULTITHREADED);
    if (FAILED(hr))
    {
        throw new CCOMERR( hr );
    }

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

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

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

```

```

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

    hr = CoCreateInstance(CLSID_OrderStatus, NULL, CLSCTX_SERVER, IID_ITPCC,
(void **) &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);

    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()
{
    ReleaseInterface(m_pNewOrder);
    ReleaseInterface(m_pPayment);
    ReleaseInterface(m_pDelivery);
    ReleaseInterface(m_pStockLevel);
    ReleaseInterface(m_pOrderStatus);
    CoUninitialize();
}

void CTPCC_COM::NewOrder()
{
    HRESULT hr;
    COM_DATA* pm_txn = NULL;

    int iSize = sizeof(COM_DATA);

    pm_txn = (COM_DATA*)CoTaskMemAlloc(iSize);
    if (!pm_txn)
    {
        throw new CCOMERR( E_FAIL );
    }

    memcpy(pm_txn, &m_txn, iSize);

    hr = m_pNewOrder->NewOrder(&iSize, (unsigned char**) &pm_txn);

    // copy results back
    memcpy(&m_txn, pm_txn, iSize);

    // free memory
    CoTaskMemFree(pm_txn);

    if (FAILED(hr))
        throw new CCOMERR( hr );
}

```

```

        if ( m_txn.ErrorType != ERR_SUCCESS )
            throw new CCOMERR( m_txn.ErrorType, m_txn.error );
    }

void CTPCC_COM::Payment()
{
    HRESULT hr;
    COM_DATA* pm_txn = NULL;

    int iSize = sizeof(COM_DATA);

    pm_txn = (COM_DATA*)CoTaskMemAlloc(iSize);
    if (!pm_txn)
    {
        throw new CCOMERR( E_FAIL );
    }

    memcpy(pm_txn, &m_txn, iSize);

    hr = m_pPayment->Payment(&iSize, (unsigned char*)&pm_txn);

    // copy results back
    memcpy(&m_txn, pm_txn, iSize);

    // free memory
    CoTaskMemFree(pm_txn);

    if (FAILED(hr))
        throw new CCOMERR( hr );

    if ( m_txn.ErrorType != ERR_SUCCESS )
        throw new CCOMERR( m_txn.ErrorType, m_txn.error );
}

void CTPCC_COM::Delivery()
{
    // not supported
    throw new CCOMERR(E_NOTIMPL);
}

void CTPCC_COM::StockLevel()
{
    HRESULT hr;
    COM_DATA* pm_txn = NULL;

    int iSize = sizeof(COM_DATA);

    pm_txn = (COM_DATA*)CoTaskMemAlloc(iSize);
    if (!pm_txn)
    {
        throw new CCOMERR( E_FAIL );
    }

    memcpy(pm_txn, &m_txn, iSize);

    hr = m_pStockLevel->StockLevel(&iSize, (unsigned char*)&pm_txn);

    // copy results back
    memcpy(&m_txn, pm_txn, iSize);

    // free memory
    CoTaskMemFree(pm_txn);
}

```

```

        if (FAILED(hr))
            throw new CCOMERR( hr );

        if ( m_txn.ErrorType != ERR_SUCCESS )
            throw new CCOMERR( m_txn.ErrorType, m_txn.error );
    }

void CTPCC_COM::OrderStatus()
{
    HRESULT hr;
    COM_DATA* pm_txn = NULL;

    int iSize = sizeof(COM_DATA);

    pm_txn = (COM_DATA*)CoTaskMemAlloc(iSize);
    if (!pm_txn)
    {
        throw new CCOMERR( E_FAIL );
    }

    memcpy(pm_txn, &m_txn, iSize);

    hr = m_pOrderStatus->OrderStatus(&iSize, (unsigned char*)&pm_txn);

    // copy results back
    memcpy(&m_txn, pm_txn, iSize);

    // free memory
    CoTaskMemFree(pm_txn);

    if (FAILED(hr))
        throw new CCOMERR( hr );

    if ( m_txn.ErrorType != ERR_SUCCESS )
        throw new CCOMERR( m_txn.ErrorType, m_txn.error );
}

```

---

## Tpcc\_com.h

---

```

/*      FILE:                TPCC_COM.H
 *
 *      Microsoft TPC-C Kit Ver. 4.10.000
 *      not yet audited
 *
 *      PURPOSE:  Header file for TPC-C COM+ class implementation.
 *                  Copyright Microsoft, 1999
 *
 *      All Rights Reserved
 *
 */
#pragma once

#include <stdio.h>
#include "..\..\components\itpcc.h"

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

class DllDecl CTPCC_COM : public CTPCC_BASE
{
private:

```

```

// COM Interface pointers
ITPCC*          m_pNewOrder;
ITPCC*          m_pPayment;
ITPCC*          m_pDelivery;
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_txn;

public:
CTPCC_COM(LPCSTR szServer, LPCSTR szUser, LPCSTR szPassword,
LPCSTR szDatabase);
~CTPCC_COM(void);

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

    void NewOrder      ();
    void Payment       ();
    void Delivery       ();
    void StockLevel    ();
    void OrderStatus   ();
};

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

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
// 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;
}

};

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

typedef CTPCC_COM* (TYPE_CTPCC_COM)(LPCSTR, LPCSTR, LPCSTR, LPCSTR);

Tpcc_dblib.cpp
/* FILE: tpcc_dblib.cpp
 * Microsoft TPC-C Kit Ver. 4.10.000
 * Audited by Richard Gimarc, Performance
Metrics, 3/17/99
 *
 * Copyright Microsoft, 1999
 *
 * PURPOSE: Implements dblib calls for TPC-C txns.
 * Authors: Charles Levine (clevine@microsoft.com)

```

```

*/

#include <windows.h>
#include <stdio.h>
#include <assert.h>

#define DBNTWIN32
#include <sqlfront.h>
#include <sqlldb.h>

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

// need to declare functions for export
#define DllDecl __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

BOOL APIENTRY DllMain(HANDLE 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
            // close all dblib
            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 DBINT msgno
message number int
msgstate message state int
severity message severity int
char *msgtext
printable message description
*
* 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 *DEMGS_HANDLE_PROC)(PDBPROCESS, 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, 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." },
        { 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;
    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 (dbprocmshandle(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 dblib 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);

dbcmd(m_dbproc, "set nocount on ");                // do not
return row counts
dbcmd(m_dbproc, "set XACT_ABORT ON");            // rollback transaction
on abort

if (dbsqlxexec(m_dbproc) == FAIL)
    ThrowError(CDBLIBERR::eDbSqlExec);

DiscardNextResults(2);

// 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)
        // this case isn't expected to happen, since it means that an
        error was returned
        // 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;
    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) || (++iTryCount >
iMaxRetries))
                throw;

            // hit deadlock; backoff for increasingly longer
            period
                Sleep(10 * iTryCount);
        }
    } // while (TRUE)

}

void CTPCC_DBLIB::NewOrder()
{
}

```

```

int          i;
DBINT       commit_flag;
DBDATEIME   datetime;
DBDATETIME  daterec;

int          iTryCount = 0;
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,
pData, dbdatlen(m_dbproc,4),
SQLFLT8, (BYTE
*) &m_txn.NewOrder.OL[i].ol_i_price, 8);
            if (pData=dbdata(m_dbproc, 5))
                dbconvert(m_dbproc, SQLNUMERIC,
pData, dbdatlen(m_dbproc,5),
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, pData,
dbdatlen(m_dbproc,1), SQLFLT8, (BYTE *) &m_txn.NewOrder.w_tax, 8);
            if (pData=dbdata(m_dbproc, 2))

                dbconvert(m_dbproc, SQLNUMERIC, 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, 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 =
daterec.year;
            m_txn.NewOrder.o_entry_d.month =
daterec.month;
            m_txn.NewOrder.o_entry_d.day =
daterec.day;
            m_txn.NewOrder.o_entry_d.hour =
daterec.hour;
            m_txn.NewOrder.o_entry_d.minute =
daterec.minute;
            m_txn.NewOrder.o_entry_d.second =
daterec.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->msgno != 1205) || (++iTryCount >
iMaxRetries))
            throw;

        // hit deadlock; backoff for increasingly longer
        period
            Sleep(10 * iTryCount);
    }
    // while (TRUE)
}

void CTPCC_DBLIB::Payment()
{
    DBDATETIME    datetime;
    DBDATERECEC  daterec;

    int            iTryCount = 0;
    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))
                    m_txn.Payment.c_id = *((DBINT *) pData);
                if (pData=dbdata(m_dbproc, 2))
                    UtilStrCpy(m_txn.Payment.c_last, pData,
dbdatlen(m_dbproc, 2));

                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,
dbdatlen(m_dbproc, 4));
            if (pData=dbdata(m_dbproc, 5))
                UtilStrCpy(m_txn.Payment.w_street_2, pData,
dbdatlen(m_dbproc, 5));
            if (pData=dbdata(m_dbproc, 6))
                UtilStrCpy(m_txn.Payment.w_city, pData,
dbdatlen(m_dbproc, 6));

```

```

        if (pData=dbdata(m_dbproc, 7))
            UtilStrCpy(m_txn.Payment.w_state, pData,
dbdatlen(m_dbproc, 7));
        if (pData=dbdata(m_dbproc, 8))
            UtilStrCpy(m_txn.Payment.w_zip, pData,
dbdatlen(m_dbproc, 8));
        if (pData=dbdata(m_dbproc, 9))
            UtilStrCpy(m_txn.Payment.d_street_1, pData,
dbdatlen(m_dbproc, 9));
        if (pData=dbdata(m_dbproc, 10))
            UtilStrCpy(m_txn.Payment.d_street_2, pData,
dbdatlen(m_dbproc, 10));
        if (pData=dbdata(m_dbproc, 11))
            UtilStrCpy(m_txn.Payment.d_city, pData,
dbdatlen(m_dbproc, 11));
        if (pData=dbdata(m_dbproc, 12))
            UtilStrCpy(m_txn.Payment.d_state, pData,
dbdatlen(m_dbproc, 12));
        if (pData=dbdata(m_dbproc, 13))
            UtilStrCpy(m_txn.Payment.d_zip, pData,
dbdatlen(m_dbproc, 13));
        if (pData=dbdata(m_dbproc, 14))
            UtilStrCpy(m_txn.Payment.c_first, pData,
dbdatlen(m_dbproc, 14));
        if (pData=dbdata(m_dbproc, 15))
            UtilStrCpy(m_txn.Payment.c_middle, pData,
dbdatlen(m_dbproc, 15));
        if (pData=dbdata(m_dbproc, 16))
            UtilStrCpy(m_txn.Payment.c_street_1, pData,
dbdatlen(m_dbproc, 16));
        if (pData=dbdata(m_dbproc, 17))
            UtilStrCpy(m_txn.Payment.c_street_2, pData,
dbdatlen(m_dbproc, 17));
        if (pData=dbdata(m_dbproc, 18))
            UtilStrCpy(m_txn.Payment.c_city, pData,
dbdatlen(m_dbproc, 18));
        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, pData,
dbdatlen(m_dbproc,24), SQLFLT8, (BYTE *)&m_txn.Payment.c_credit_lim, 8);
            if (pData=dbdata(m_dbproc, 25))
                dbconvert(m_dbproc, SQLNUMERIC, pData,
dbdatlen(m_dbproc,25), SQLFLT8, (BYTE *)&m_txn.Payment.c_discount, 8);
            if (pData=dbdata(m_dbproc, 26))
                dbconvert(m_dbproc, SQLNUMERIC, 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->m_msgno != 1205) || (++iTryCount >
iMaxRetries))
            throw;
        // hit deadlock; backoff for increasingly longer
        period
            Sleep(10 * iTryCount);
    } // while (TRUE)
}

void CTPCC_DBLIB::OrderStatus()
{
    int i;
    DBDATETIME datetime;
    DBDATEREC daterec;

    int rc;
    RETCODE rc;
    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,
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, 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) || (++iTryCount >
iMaxRetries))
            throw;

        // hit deadlock; backoff for increasingly longer
        period
            Sleep(10 * iTryCount);
    }
    // while (TRUE)
}

void CTPCC_DBLIB::Delivery()
{
    int i;
    int iTryCount = 0;
    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) != SUCCEED)
                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) || (++iTryCount >
iMaxRetries))
            throw;

        // hit deadlock; backoff for increasingly longer
        period
            Sleep(10 * iTryCount);
    }
    // while (TRUE)
}

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: TPCC_DBLIB.H
 * Microsoft TPC-C Kit Ver. 4.10.000
 * Audited by Richard Gimarc, Performance
Metrics, 3/17/99
 *
 * PURPOSE: Header file for TPC-C txn class implementation.
 * Copyright Microsoft, 1999
 * All Rights Reserved
 */
#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
        eDbOpen, // error from dbopen
        eDbUse, // error from
        eDbSqlExec, // error from
        eDbSet, // error from
        eDbNextRow, // error from
        eWrongRowCount, // more or less rows
        eWrongNumCols, // more or less columns
        eDbResults, // error from
        eDbRpcExec, // error from
        eDbSetMaxProcs, // error from
        eDbProcHandler // error from either
    };
    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."
    };
    CTPCC_DBLIB_ERR( int iErr ) { m_erno = iErr; };

    int          m_erno;

    int ErrorType() {return ERR_TYPE_TPCC_DBLIB;};
    int ErrorNum() {return m_erno;};

    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 dblink
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);

```

## Error.h

```

/* FILE: ERROR.H
 * Microsoft TPC-C Kit Ver. 4.10.000
 * Audited by Richard Gimarc, Performance
Metrics, 3/17/99
 *
 * PURPOSE: Header file for error exception classes.
 * Copyright Microsoft, 1999
 * All Rights Reserved
 */

#pragma once

```

```

#ifndef _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;

#define ERR_FATAL_LEVEL 1
#define ERR_WARNING_LEVEL 2
#define ERR_INFORMATION_LEVEL 3

#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_WEBDLL 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_BCCONN 17 //Benchcraft connection class
#define ERR_TYPE_TPCC_CONN 18 //Benchcraft connection class

```

```

class CBaseErr
{
public:
    char      *m_szApp;
    char      *m_szMsg;
    char      *m_szLoc; // code location where the error occurred
    int       m_idMsg;

    CBaseErr(void)
    {
        m_idMsg      = 0;
        m_szMsg      = new char[m_szMsg_size];
        m_szApp      = new char[m_szApp_size];
        m_szLoc      = NULL;

        m_szMsg[0]   = 0;
        m_szApp[0]   = 0;

        GetModuleFileName(GetModuleHandle(NULL), m_szApp, m_szApp_size);
    }

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

    CBaseErr(int idMsg)
    {
        m_idMsg      = idMsg;
        m_szApp      = new char[m_szApp_size];
        m_szMsg      = new char[m_szMsg_size];
        m_szLoc      = NULL;

        GetModuleFileName(GetModuleHandle(NULL), m_szApp, m_szApp_size);
        LoadString(GetModuleHandle(NULL), idMsg, m_szMsg, m_szMsg_size);
    }

    CBaseErr(LPCTSTR szMsg)
    {
        m_idMsg      = 0;
        m_szApp      = new char[m_szApp_size];
        m_szMsg      = new char[m_szMsg_size];
        m_szLoc      = NULL;

        GetModuleFileName(GetModuleHandle(NULL), m_szApp, m_szApp_size);
        strcpy(m_szMsg, szMsg);
    }

    void SetError(char *szMsg, LPCTSTR szLocation)
    {
        if (szMsg != NULL)
            strcpy(m_szMsg, szMsg);
        else
            m_szMsg[0] = 0;

        if (szLocation != NULL)

```

```

        {
            delete [] m_szLoc;
            m_szLoc = new char[strlen(szLocation)+1];
            strcpy(m_szLoc, szLocation);
        }
        else
        {
            delete [] m_szLoc;
            m_szLoc = NULL;
        }
    }

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

        if (szStr)
            j = sprintf(szTmp, "%s\n", szStr);
        if (m_szLoc)
            j += sprintf(szTmp+j, "Location=%s\n", m_szLoc);
        if (m_szMsg)
            j += sprintf(szTmp+j, "%s\n", m_szMsg);

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

    char *GetApp(void) { return m_szApp; }
    char *GetMsg(void) { return m_szMsg; }
    char *GetLocation(void) { return m_szLoc; }

    virtual int ErrorType() = 0; // a value which distinguishes the kind of
    error that occurred
    virtual int ErrorNum() = 0; // an error value specific to the
    error type
    virtual char *ErrorText() = 0; // a string (i.e., human readable)
    representation of the error
};

class CSocketErr : public CBaseErr
{
public:
    enum Action
    {
        eNone,
        eSend,
        eSocket,
        eConnect
    };

    CSocketErr(Action eAction, LPCTSTR szLocation);
    CSocketErr(int iError) { m_errId = iError; };
    int      m_errId;
    Action   m_eAction;

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

class CSystemErr : public CBaseErr
{

```

```

public:
    enum Action
    {
        eNone,
        eTransactNamedPipe,
        eWaitNamedPipe,
        eSetNamedPipeHandleState,
        eCreateFile,
        eCreateProcess,
        eCallNamedPipe,
        eCreateEvent,
        eCreateThread,
        eVirtualAlloc,
        eReadFile,
        eWriteFile,
        eMapViewOfFile,
        eCreateFileMapping,
        eInitializeSecurityDescriptor,
        eSetSecurityDescriptorDacl,
        eCreateNamedPipe,
        eConnectNamedPipe,
    };

    CSystemErr(Action eAction, LPCTSTR szLocation);

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

    int          m_errId;
    Action      m_eAction;

    int ErrorType() { return ERR_TYPE_OS;}
    int ErrorNum() { return m_errId;}
    char *ErrorText() { return "";} // TODO: need to code

error text
};

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

    int ErrorType() { return ERR_TYPE_MEMORY;}
    int ErrorNum() { return 0;}
    char *ErrorText() { return "";} // TODO: need to code

error text
};

```

## Trans.h

```

/* FILE: TRANS.H
 * Microsoft TPC-C Kit Ver. 4.10.000
 * Audited by Richard Gimarc, Performance
Metrics, 3/17/99
 *
 * PURPOSE: Header file for TPC-C structure templates.
 * Copyright Microsoft, 1999
 * All Rights Reserved
 */
#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 dblink, 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
{
    year;
    short /* SQLSMALLINT */
    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."
};

enum DBPROTOCOL { Unspecified, ODBC, DBLIB };
enum TXNMON { None, TUXEDO, COM };

// 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;

```

## Txn\_base.h

```

/* FILE: TXN_BASE.H
 * Microsoft TPC-C Kit Ver. 4.10.000
 * Audited by Richard Gimarc, Performance
Metrics, 3/17/99
 *
 * PURPOSE: Header file for TPC-C txn class implementation.
 * Copyright Microsoft, 1999
 * All Rights Reserved
 */

#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;
};

```

## Common.h

```

/* FILE: common.h
 *
 * Microsoft TPC-C Kit Ver. 4.10.000
 * Copyright Microsoft, 1999
 */

```

```

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

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

    _stprintf(szMsg, TEXT("Error in COM+ TPCC 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
            (LPCWSTR *)lpszStrings, // array of error strings
            NULL); // no raw data

        (VOID) DeregisterEventSource(hEventSource);
    }
}

DBPROTOCOL ReadRegistrySettings()
{
    HKEY hKey;
    DWORD size;
    DWORD type;
    char szTmp[256];

    DBPROTOCOL eDB_Protocol;

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

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

    RegCloseKey(hKey);

    return eDB_Protocol;
}

```

```

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

```

## NewOrder.cpp

```

/*      FILE:          NewOrder.CPP
 *
 *          Microsoft TPC-C Kit Ver. 4.10.000
 *          Copyright Microsoft, 1999
 */

#include "stdafx.h"
#include "TPCCNewOrder.h"
#include "NewOrder.h"

#include <transact.h>
#include <stdio.h>

#include "..\ITPCCps\itpcc_i.c"
#include "..\common.h"

////////////////////////////////////
// CNewOrder

CNewOrder::CNewOrder()
{
    m_pTxn = NULL;
    m_bCanBePooled = TRUE;
}

CNewOrder::~CNewOrder()
{
    if (m_pTxn)
        delete m_pTxn;
}

HRESULT CNewOrder::NewOrder(int* iSize, UCHAR **txn)
{
    IObjectContext* pObjectContext = NULL;
    HRESULT hr;
    PNEW_ORDER_DATA    pNewOrder;
    COM_DATA            *pData;
    int                 iNOSize;

    try
    {
        pData = (COM_DATA*)*txn;
        iNOSize = sizeof(NEW_ORDER_DATA);

        // get our object context
        hr = CoGetObjectContext( IID_IObjectContext, (void
**)&pObjectContext );
        if (FAILED(hr)) return hr;
    }
}

```

```

    pNewOrder = m_pTxn->BuffAddr_NewOrder();

    memcpy(pNewOrder, &pData->u.NewOrder, iNOSize);
    m_pTxn->NewOrder();
    memcpy( &pData->u.NewOrder, pNewOrder, iNOSize);

    pData->retval = ERR_SUCCESS;
    pData->error = 0;

    // all went well
    pObjectContext->SetComplete();
    ReleaseInterface(pObjectContext);
    return S_OK;
}
catch (CBaseErr *e)
{
    pData->retval = e->ErrorType();
    pData->error = e->ErrorNum();
    delete e;
    // failed
    pObjectContext->SetAbort();
    ReleaseInterface(pObjectContext);
    return E_FAIL;
}
catch (...)
{
    WriteMessageToEventLog(TEXT("Unhandled exception."));
    pData->retval = ERR_TYPE_LOGIC;
    pData->error = 0;
    // failed
    pObjectContext->SetAbort();
    ReleaseInterface(pObjectContext);
    m_bCanBePooled = FALSE;
    return E_FAIL;
}

}

HRESULT CNewOrder::Payment(int* iSize, UCHAR** txn)
{
    // not implemented
    return E_NOTIMPL;
}

HRESULT CNewOrder::Delivery(int* iSize, UCHAR** txn)
{
    // not implemented
    return E_NOTIMPL;
}

HRESULT CNewOrder::StockLevel(int* iSize, UCHAR** txn)
{
    // not implemented
    return E_NOTIMPL;
}

HRESULT CNewOrder::OrderStatus(int* iSize, UCHAR** txn)
{
    // not implemented
}

```

```

        return E_NOTIMPL;
    }

HRESULT CNewOrder::CallSetComplete()
{
    IObjectContext* pObjectContext = NULL;
    HRESULT hr;

    // get our object context
    hr = CoGetObjectContext( IID_IObjectContext, (void **)&pObjectContext );

    pObjectContext->SetComplete();
    ReleaseInterface(pObjectContext);

    return hr;
}

int CNewOrder::SetDBConnectStrings(LPCSTR szServer, LPCSTR szUser, LPCSTR
szPassword, LPCSTR szDatabase)
{
    DBPROTOCOL eDB_Protocol;
    try
    {
        eDB_Protocol = ReadRegistrySettings();
        if (eDB_Protocol == Unspecified)
        {
            WriteMessageToEventLog(TEXT("Component failed to read
registry settings.));
            return 1;
        }

        switch (eDB_Protocol)
        {
        case ODBC:
            m_pTxn = new CTPCC_ODBC( szServer, szUser, szPassword,
"", szDatabase );
            if (!m_pTxn) {
                WriteMessageToEventLog(TEXT("Component could
not create ODBC class: out of memory.));
                return 1;
            }
            break;

        case DBLIB:
            m_pTxn = new CTPCC_DBLIB( szServer, szUser,
szPassword, "", szDatabase );
            if (!m_pTxn) {
                WriteMessageToEventLog(TEXT("Component could
not create DBLib class: out of memory.));
                return 1;
            }
            break;
        }
    }
    catch (CBaseErr *e)
    {
        WriteMessageToEventLog(e->ErrorText());
        delete e;
        m_bCanBePooled = FALSE;
        return 1;
    }
}

```

```

    catch (...)
    {
        WriteMessageToEventLog(TEXT("Unhandled exception.));
        m_bCanBePooled = FALSE;
        return 1;
    }

    // all went well
    return 0;
}

STDMETHODIMP_(BOOL) CNewOrder::CanBePooled()
{
    return m_bCanBePooled;
}

STDMETHODIMP CNewOrder::Activate()
{
    // we don't support COM Services transactions (no enlistment)
    return S_OK;
}

//
// called by the ctor activator
// the construct string should look like "SERVER=server;DATABASE=tpcc;UID=sa;PWD="
//
STDMETHODIMP CNewOrder::Construct(IDispatch * pUnk)
{
    if (!pUnk)
        return E_UNEXPECTED;

    HRESULT hr;
    IObjectConstructString * pString = NULL;
    WCHAR wsztemp[128];
    WCHAR *p;
    CHAR szServer[32] = { 0 };
    CHAR szUser[32] = "sa";
    CHAR szPassword[32] = { 0 };
    CHAR szDatabase[32] = "tpcc";

    int i;
    try {
        hr = pUnk->QueryInterface(IID_IObjectConstructString, (void
**)&pString);

        if (pString) {
            // CComBSTR destructor frees string when out of scope
            CComBSTR bsConstructString;
            pString->get_ConstructString(&bsConstructString);
            p = wcsstr(bsConstructString.m_str, L"SERVER=");
            if (p) {
                p += 7; // skip 'SERVER='
                for (i = 0; *p != ';' && *p != '\\0'; i++,
                wsztemp[i] = *p;
            }
        }
    }
}

```

```

                wsztemp[i] = '\0';
                wcstombs(szServer, wsztemp, 32);
            }

            p = wcsstr(bsConstructString.m_str, L"UID=");
            if (p) {
                p += 4; // skip 'UID='
                for (i = 0; *p != ';' && *p != '\0'; i++,
p++) {
                    wsztemp[i] = *p;
                }
                wsztemp[i] = '\0';
                wcstombs(szUser, wsztemp, 32);
            }

            p = wcsstr(bsConstructString.m_str, L"PWD=");
            if (p) {
                p += 4; // skip 'PWD='
                for (i = 0; *p != ';' && *p != '\0'; i++,
p++) {
                    wsztemp[i] = *p;
                }
                wsztemp[i] = '\0';
                wcstombs(szPassword, wsztemp, 32);
            }

            p = wcsstr(bsConstructString.m_str, L"DATABASE=");
            if (p) {
                p += 9; // skip 'DATABASE='
                for (i = 0; *p != ';' && *p != '\0'; i++,
p++) {
                    wsztemp[i] = *p;
                }
                wsztemp[i] = '\0';
                wcstombs(szDatabase, wsztemp, 32);
            }

            pString->Release();

            if (SetDBConnectStrings(szServer, szUser, szPassword,
szDatabase))
            {
                return E_FAIL;
            }
        }

        catch (CBaseErr *e) {
            WriteMessageToEventLog(e->ErrorText());
            delete e;
            return E_FAIL;
        }
        catch (...) {
            WriteMessageToEventLog(TEXT("Unhandled exception in object
::Construct"));
            return E_FAIL;
        }

        return hr;
    }
}

```

---

## NewOrder.h

---

```

// NewOrder.h : Declaration of the CNewOrder

#ifndef __NEWORDER_H_
#define __NEWORDER_H_

#include <sqltypes.h>
#include <sql.h>
#include <sqlext.h>

#include "resource.h" // main symbols
#include <comsvcs.h>
#include "..\ITPCCps\itpcc.h"
#include "..\..\common\src\trans.h" //tpckit transaction header
contains definitions of structures specific to TPC-C
#include "..\..\common\src\txn_base.h"
#include "..\..\common\src\error.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

////////////////////////////////////
// CNewOrder
class ATL_NO_VTABLE CNewOrder :
public CComObjectRootEx<CComSingleThreadModel>,
public CComCoClass<CNewOrder, &CLSID_NewOrder>,
public ITPCC,
public IObjectControl,
public IObjectConstruct
{
public:
    CNewOrder();
    ~CNewOrder();

DECLARE_REGISTRY_RESOURCEID(IDR_NEWORDER)

BEGIN_COM_MAP(CNewOrder)
    COM_INTERFACE_ENTRY(ITPCC)
    COM_INTERFACE_ENTRY(IObjectControl)
    COM_INTERFACE_ENTRY(IObjectConstruct)
END_COM_MAP()

// ITPCC
public:
    HRESULT __stdcall NewOrder(
        int* iSize,
        UCHAR** txn);

    HRESULT __stdcall Payment(
        int* iSize,
        UCHAR** txn);

    HRESULT __stdcall Delivery(
        int* iSize,
        UCHAR** txn);

    HRESULT __stdcall StockLevel(
        int* iSize,
        UCHAR** txn);

    HRESULT __stdcall OrderStatus(
        int* iSize,
        UCHAR** txn);
}

```



```

        HRESULT __stdcall CallSetComplete();

// IObjectControl
STDMETHODIMP_(BOOL) CanBePooled();

        STDMETHODIMP Activate();

        STDMETHODIMP_(void) Deactivate()
        {
            // nothing to do
        }

// IObjectConstruct
STDMETHODIMP Construct(IDispatch * pUnk);

// helper methods
private:
        BOOL m_bCanBePooled;

        CTPCC_BASE *m_pTxn;

        int SetDBConnectStrings(LPCSTR szServer, LPCSTR szUser, LPCSTR szPassword,
        LPCSTR szDatabase);

        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;
        };

};

#endif // __NEWORDER_H_

```

---

## TPCCNewOrder.cpp

---

```

// TPCCNewOrder.cpp : Implementation of DLL Exports.

// Note: Proxy/Stub Information
//       To build a separate proxy/stub DLL,
//       run nmake -f TPCCNewOrderps.mk in the project directory.

#include "stdafx.h"
#include "resource.h"
#include "TPCCNewOrder.h"

#include "TPCCNewOrder_i.c"
#include "NewOrder.h"

CComModule _Module;

BEGIN_OBJECT_MAP(ObjectMap)

```

```

        OBJECT_ENTRY(CLSID_NewOrder, CNewOrder)
END_OBJECT_MAP()

// DLL Entry Point

extern "C"
BOOL WINAPI DllMain(HINSTANCE hInstance, DWORD dwReason, LPVOID /*lpReserved*/)
{
    if (dwReason == DLL_PROCESS_ATTACH)
    {
        _Module.Init(ObjectMap, hInstance);
        DisableThreadLibraryCalls(hInstance);
    }
    else if (dwReason == DLL_PROCESS_DETACH)
        _Module.Term();
    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;
}

```

---

## TPCCNewOrder.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 5.02.0235 */
/* at Mon May 17 16:43:39 1999
*/
/* Compiler settings for TPCCNewOrder.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_HEADERING( )

/* 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 __TPCCNewOrder_h__
#define __TPCCNewOrder_h__

/* Forward Declarations */

#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__ */

/* header files for imported files */
#include "oaidl.h"
#include "ocidl.h"
#include "itpcc.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 * );

#ifndef __TPCCNEWORDERLib_LIBRARY_DEFINED__
#define __TPCCNEWORDERLib_LIBRARY_DEFINED__

/* library TPCCNEWORDERLib */
/* [helpstring][version][uuid] */

EXTERN_C const IID LIBID_TPCCNEWORDERLib;

EXTERN_C const CLSID CLSID_NewOrder;

#ifdef __cplusplus

```

```

class DECLSPEC_UUID("975BAABF-84A7-11D2-BA47-00C04FBFE08B")
NewOrder;
#endif
#endif /* __TPCCNEWORDERLib_LIBRARY_DEFINED__ */

/* Additional Prototypes for ALL interfaces */

/* end of Additional Prototypes */

#ifdef __cplusplus
}
#endif

#endif

```

---

## TPCCNewOrder.idl

---

```

// TPCCNewOrder.idl : IDL source for TPCCNewOrder.dll
//

// This file will be processed by the MIDL tool to
// produce the type library (TPCCNewOrder.tlb) and marshalling code.

import "oaidl.idl";
import "ocidl.idl";
import "..\ITPCCps\itpcc.idl";

[
    uuid(975BAAB1-84A7-11D2-BA47-00C04FBFE08B),
    version(1.0),
    helpstring("TPCCNewOrder 1.0 Type Library")
]
library TPCCNEWORDERLib
{
    importlib("stdole32.tlb");
    importlib("stdole2.tlb");

    [
        uuid(975BAABF-84A7-11D2-BA47-00C04FBFE08B),
        helpstring("NewOrder Class")
    ]
    coclass NewOrder
    {
        [default] interface ITPCC;
    };
};

```

---

## OrderStatus.cpp

---

```

/* FILE: NewOrder.CPP
*
* Microsoft TPC-C Kit Ver. 4.10.000
* Copyright Microsoft, 1999
*/

#include "stdafx.h"
#include "TPCCOrderStatus.h"
#include "OrderStatus.h"

```

```

#include <transact.h>
#include <stdio.h>

#include "..\ITPCcps\itpcc_i.c"
#include "..\common.h"

////////////////////////////////////
// COrderStatus

COrderStatus::COrderStatus()
{
    m_pTxn = NULL;
    m_bCanBePooled = TRUE;
}

COrderStatus::~COrderStatus()
{
    if (m_pTxn)
        delete m_pTxn;
}

HRESULT COrderStatus::NewOrder(int* iSize, UCHAR** txn)
{
    // not implemented
    return E_NOTIMPL;
}

HRESULT COrderStatus::Payment(int* iSize, UCHAR** txn)
{
    // not implemented
    return E_NOTIMPL;
}

HRESULT COrderStatus::Delivery(int* iSize, UCHAR** txn)
{
    // not implemented
    return E_NOTIMPL;
}

HRESULT COrderStatus::StockLevel(int* iSize, UCHAR** txn)
{
    // not implemented
    return E_NOTIMPL;
}

HRESULT COrderStatus::OrderStatus(int* iSize, UCHAR** txn)
{
    IObjectContext* pObjectContext = NULL;
    HRESULT hr;
    PORDER_STATUS_DATA pOrderStatus;
    COM_DATA          *pData;
    int               iOSSize;

    try
    {
        pData = (COM_DATA*)*txn;
    }
}

```

```

        iOSSize = sizeof(ORDER_STATUS_DATA);

        // get our object context
        hr = CoGetObjectContext( IID_IObjectContext, (void
**) &pObjectContext );
        if (FAILED(hr)) return hr;

        pOrderStatus = m_pTxn->BuffAddr_OrderStatus();

        memcpy(pOrderStatus, &pData->u.OrderStatus, iOSSize);
        m_pTxn->OrderStatus();
        memcpy( &pData->u.OrderStatus, pOrderStatus, iOSSize );

        pData->retval = ERR_SUCCESS;
        pData->error = 0;

        // all went well
        pObjectContext->SetComplete();
        ReleaseInterface(pObjectContext);
        return S_OK;
    }
    catch (CBaseErr *e)
    {
        pData->retval = e->ErrorType();
        pData->error = e->ErrorNum();
        delete e;
        // failed
        pObjectContext->SetAbort();
        ReleaseInterface(pObjectContext);
        return E_FAIL;
    }
    catch (...)
    {
        WriteMessageToEventLog(TEXT("Unhandled exception."));
        pData->retval = ERR_TYPE_LOGIC;
        pData->error = 0;
        // failed
        pObjectContext->SetAbort();
        ReleaseInterface(pObjectContext);
        m_bCanBePooled = FALSE;
        return E_FAIL;
    }
}

HRESULT COrderStatus::CallSetComplete()
{
    IObjectContext* pObjectContext = NULL;
    HRESULT hr;

    // get our object context
    hr = CoGetObjectContext( IID_IObjectContext, (void **) &pObjectContext );

    pObjectContext->SetComplete();
    ReleaseInterface(pObjectContext);

    return hr;
}

int COrderStatus::SetDBConnectStrings(LPCSTR szServer, LPCSTR szUser, LPCSTR
szPassword, LPCSTR szDatabase)

```

```

{
    DBPROTOCOL eDB_Protocol;
    try
    {
        eDB_Protocol = ReadRegistrySettings();
        if (eDB_Protocol == Unspecified)
        {
            WriteMessageToEventLog(TEXT("Component failed to read
registry settings.));
            return 1;
        }

        switch (eDB_Protocol)
        {
        case ODBC:
            m_pTxn = new CTPCC_ODBC( szServer, szUser, szPassword,
"", szDatabase );
            if (!m_pTxn) {
                WriteMessageToEventLog(TEXT("Component could
not create ODBC class: out of memory.));
                return 1;
            }
            break;

        case DBLIB:
            m_pTxn = new CTPCC_DBLIB( szServer, szUser,
szPassword, "", szDatabase );
            if (!m_pTxn) {
                WriteMessageToEventLog(TEXT("Component could
not create DBLib class: out of memory.));
                return 1;
            }
            break;
        }
    }
    catch (CBaseErr *e)
    {
        WriteMessageToEventLog(e->ErrorText());
        delete e;
        m_bCanBePooled = FALSE;
        return 1;
    }
    catch (...)
    {
        WriteMessageToEventLog(TEXT("Unhandled exception.));
        m_bCanBePooled = FALSE;
        return 1;
    }

    // all went well
    return 0;
}

STDMETHODIMP_(BOOL) COrderStatus::CanBePooled()
{
    return m_bCanBePooled;
}

STDMETHODIMP COrderStatus::Activate()
{
    // we don't support COM+ transactions (no enlistment)

```

```

    return S_OK;
}

//
// called by the ctor activator
// the construct string should look like "SERVER=server;DATABASE=tpcc;UID=sa;PWD="
//
STDMETHODIMP COrderStatus::Construct(IDispatch * pUnk)
{
    if (!pUnk)
        return E_UNEXPECTED;

    HRESULT hr;
    IObjectConstructString * pString = NULL;
    WCHAR wsztemp[128];
    WCHAR *p;
    CHAR szServer[32] = { 0 };
    CHAR szUser[32] = "sa";
    CHAR szPassword[32] = { 0 };
    CHAR szDatabase[32] = "tpcc";

    int i;

    try {
        hr = pUnk->QueryInterface(IID_IObjectConstructString, (void
**) &pString);

        if (pString) {
            // CComBSTR destructor frees string when out of scope
            CComBSTR bsConstructString;
            pString->get_ConstructString(&bsConstructString);
            p = wcsstr(bsConstructString.m_str, L"SERVER=");
            if (p) {
                p += 7; // skip 'SERVER='
                for (i = 0; *p != ';' && *p != '\0'; i++,
p++) {
                    wsztemp[i] = *p;
                }
                wsztemp[i] = '\0';
                wcstombs(szServer, wsztemp, 32);
            }

            p = wcsstr(bsConstructString.m_str, L"UID=");
            if (p) {
                p += 4; // skip 'UID='
                for (i = 0; *p != ';' && *p != '\0'; i++,
p++) {
                    wsztemp[i] = *p;
                }
                wsztemp[i] = '\0';
                wcstombs(szUser, wsztemp, 32);
            }

            p = wcsstr(bsConstructString.m_str, L"PWD=");
            if (p) {
                p += 4; // skip 'PWD='
                for (i = 0; *p != ';' && *p != '\0'; i++,
p++) {
                    wsztemp[i] = *p;
                }
            }
        }
    }
}

```

```

                wsztemp[i] = '\0';
                wcstombs(szPassword, wsztemp, 32);
            }

            p = wcsstr(bsConstructString.m_str, L"DATABASE=");
            if (p) {
                p += 9; // skip 'DATABASE='
                for (i = 0; *p != ';' && *p != '\0'; i++,
                    p++) {
                    wsztemp[i] = *p;
                }
                wsztemp[i] = '\0';
                wcstombs(szDatabase, wsztemp, 32);
            }

            pString->Release();

            if (SetDBConnectStrings(szServer, szUser, szPassword,
                szDatabase))
            {
                return E_FAIL;
            }
        }

        catch (CBaseErr *e) {
            WriteMessageToEventLog(e->ErrorText());
            delete e;
            return E_FAIL;
        }

        catch (...) {
            WriteMessageToEventLog(TEXT("Unhandled exception in object
                ::Construct"));
            return E_FAIL;
        }

        return hr;
    }
}

```

---

## OrderStatus.h

---

```

// OrderStatus.h : Declaration of the COrderStatus

#ifdef _ORDERSTATUS_H_
#define _ORDERSTATUS_H_

#include <sqltypes.h>
#include <sql.h>
#include <sqlext.h>

#include "resource.h" // main symbols
#include <comsvcs.h>
#include "..\ITPCCps\itpcc.h"
#include "..\..\common\src\trans.h" //tpckit transaction header
contains definitions of structures specific to TPC-C
#include "..\..\common\src\txn_base.h"
#include "..\..\common\src\error.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

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

```

```

// COrderStatus
class ATL_NO_VTABLE COrderStatus :
public CComObjectRootEx<CComSingleThreadModel>,
public CComCoClass<COrderStatus, &CLSID_OrderStatus>,
public ITPCC,
public IObjectControl,
public IObjectConstruct
{
public:
    COrderStatus();
    ~COrderStatus();

    DECLARE_REGISTRY_RESOURCEID(IDR_ORDERSTATUS)

    BEGIN_COM_MAP(COrderStatus)
        COM_INTERFACE_ENTRY(ITPCC)
        COM_INTERFACE_ENTRY(IObjectControl)
        COM_INTERFACE_ENTRY(IObjectConstruct)
    END_COM_MAP()

    // ITPCC
public:
    HRESULT __stdcall NewOrder(
        int* iSize,
        UCHAR** txn);

    HRESULT __stdcall Payment(
        int* iSize,
        UCHAR** txn);

    HRESULT __stdcall Delivery(
        int* iSize,
        UCHAR** txn);

    HRESULT __stdcall StockLevel(
        int* iSize,
        UCHAR** txn);

    HRESULT __stdcall OrderStatus(
        int* iSize,
        UCHAR** txn);

    HRESULT __stdcall CallSetComplete();

    // IObjectControl
    STDMETHODIMP_(BOOL) CanBePooled();

    STDMETHODIMP Activate();

    STDMETHODIMP_(void) Deactivate()
    {
        // nothing to do
    }

    // IObjectConstruct
    STDMETHODIMP Construct(IDispatch * pUnk);

private:
    BOOL m_bCanBePooled;

    CTPCC_BASE *m_pTxn;
}

```

```

        int SetDBConnectStrings(LPCSTR szServer, LPCSTR szUser, LPCSTR szPassword,
LPCSTR szDatabase);

        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;
        };
};

#endif // __ORDERSTATUS_H_

```

---

## TPCCOrderStatus.cpp

---

```

// TPCCOrderStatus.cpp : Implementation of DLL Exports.

// Note: Proxy/Stub Information
//       To build a separate proxy/stub DLL,
//       run nmake -f TPCCOrderStatusps.mk in the project directory.

#include "stdafx.h"
#include "resource.h"
#include "TPCCOrderStatus.h"

#include "TPCCOrderStatus_i.c"
#include "OrderStatus.h"

CComModule _Module;

BEGIN_OBJECT_MAP(ObjectMap)
    OBJECT_ENTRY(CLSID_OrderStatus, COrderStatus)
END_OBJECT_MAP()

// DLL Entry Point

extern "C"
BOOL WINAPI DllMain(HINSTANCE hInstance, DWORD dwReason, LPVOID /*lpReserved*/)
{
    if (dwReason == DLL_PROCESS_ATTACH)
    {
        _Module.Init(ObjectMap, hInstance);
        DisableThreadLibraryCalls(hInstance);
    }
    else if (dwReason == DLL_PROCESS_DETACH)
        _Module.Term();
    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;
}

```

---

## TPCCOrderStatus.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 5.02.0235 */
/* at Mon May 17 16:43:46 1999
*/
/* Compiler settings for TPCCOrderStatus.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*/
#ifndef __REQUIRED_RPCNDR_H_VERSION__
#define __REQUIRED_RPCNDR_H_VERSION__ 440
#endif

#include "rpc.h"
#include "rpcndr.h"

#ifndef __TPCCOrderStatus_h__
#define __TPCCOrderStatus_h__

```

```

/* Forward Declarations */

#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__ */

/* header files for imported files */
#include "oidl.h"
#include "ocidl.h"
#include "itpcc.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 *);

#ifndef __TPCCORDERSTATUSLib_LIBRARY_DEFINED__
#define __TPCCORDERSTATUSLib_LIBRARY_DEFINED__

/* library TPCCORDERSTATUSLib */
/* [helpstring][version][uuid] */

EXTERN_C const IID LIBID_TPCCORDERSTATUSLib;

EXTERN_C const CLSID CLSID_OrderStatus;

#ifdef __cplusplus
class DECLSPEC_UUID("266836AD-A50D-11D2-BA4E-00C04FBFE08B")
OrderStatus;
#endif
#endif /* __TPCCORDERSTATUSLib_LIBRARY_DEFINED__ */

/* Additional Prototypes for ALL interfaces */

/* end of Additional Prototypes */

#ifdef __cplusplus
}
#endif

#endif


```

---

**TPCCOrderStatus.idl**

```

// TPCCOrderStatus.idl : IDL source for TPCCOrderStatus.dll
//

```

```

// This file will be processed by the MIDL tool to
// produce the type library (TPCCOrderStatus.tlb) and marshalling code.

import "oidl.idl";
import "ocidl.idl";
import "..\ITPCCps\itpcc.idl";

[
    uuid(2668369F-A50D-11D2-BA4E-00C04FBFE08B),
    version(1.0),
    helpstring("TPCCOrderStatus 1.0 Type Library")
]
library TPCCORDERSTATUSLib
{
    importlib("stdole32.tlb");
    importlib("stdole2.tlb");

    [
        uuid(266836AD-A50D-11D2-BA4E-00C04FBFE08B),
        helpstring("OrderStatus Class")
    ]
    coclass OrderStatus
    {
        [default] interface ITPCC;
    };
};

```

---

## Payment.cpp

---

```

/* FILE: Payment.CPP
 *
 * Microsoft TPC-C Kit Ver. 4.10.000
 * Copyright Microsoft, 1999
 */

#include "stdafx.h"
#include "TPCCPayment.h"
#include "Payment.h"

#include <transact.h>
#include <stdio.h>

#include "..\ITPCCps\itpcc_i.c"
#include "..\common.h"

////////////////////////////////////
// CPayment

CPayment::CPayment()
{
    m_pTxn = NULL;
    m_bCanBePooled = TRUE;
}

CPayment::~CPayment()
{
    if (m_pTxn)
        delete m_pTxn;
}

```

```

HRESULT CPayment::NewOrder(int* iSize, UCHAR** txn)
{
    // not implemented
    return E_NOTIMPL;
}

HRESULT CPayment::Payment(int* iSize, UCHAR** txn)
{
    IObjectContext* pObjectContext = NULL;
    HRESULT hr;
    PPAYMENT_DATA pPayment;
    COM_DATA *pData;
    int iPSize;

    try
    {
        pData = (COM_DATA*)*txn;
        iPSize = sizeof(PAYMENT_DATA);

        // get our object context
        hr = CoGetObjectContext( IID_IObjectContext, (void
**)&pObjectContext );
        if (FAILED(hr)) return hr;

        pPayment = m_pTxn->BuffAddr_Payment();
        memcpy(pPayment, &pData->u.Payment, iPSize );
        m_pTxn->Payment();
        memcpy( &pData->u.Payment, pPayment, iPSize );

        pData->retval = ERR_SUCCESS;
        pData->error = 0;

        // all went well
        pObjectContext->SetComplete();
        ReleaseInterface(pObjectContext);
        return S_OK;
    }
    catch (CBaseErr *e)
    {
        pData->retval = e->ErrorType();
        pData->error = e->ErrorNum();
        delete e;
        // failed
        pObjectContext->SetAbort();
        ReleaseInterface(pObjectContext);
        return E_FAIL;
    }
    catch (...)
    {
        WriteMessageToEventLog(TEXT("Unhandled exception."));
        pData->retval = ERR_TYPE_LOGIC;
        pData->error = 0;
        // failed
        pObjectContext->SetAbort();
        ReleaseInterface(pObjectContext);
        m_bCanBePooled = FALSE;
        return E_FAIL;
    }
}

```

```

HRESULT CPayment::Delivery(int* iSize, UCHAR** txn)
{
    // not implemented
    return E_NOTIMPL;
}

HRESULT CPayment::StockLevel(int* iSize, UCHAR** txn)
{
    // not implemented
    return E_NOTIMPL;
}

HRESULT CPayment::OrderStatus(int* iSize, UCHAR** txn)
{
    // not implemented
    return E_NOTIMPL;
}

HRESULT CPayment::CallSetComplete()
{
    IObjectContext* pObjectContext = NULL;
    HRESULT hr;

    // get our object context
    hr = CoGetObjectContext( IID_IObjectContext, (void **)&pObjectContext );

    pObjectContext->SetComplete();
    ReleaseInterface(pObjectContext);

    return hr;
}

int CPayment::SetDBConnectStrings(LPCSTR szServer, LPCSTR szUser, LPCSTR szPassword,
LPCSTR szDatabase)
{
    DBPROTOCOL eDB_Protocol;
    try
    {
        eDB_Protocol = ReadRegistrySettings();
        if (eDB_Protocol == Unspecified)
        {
            WriteMessageToEventLog(TEXT("Component failed to read
registry settings."));
            return 1;
        }

        switch (eDB_Protocol)
        {
            case ODBC:
                m_pTxn = new CTPCC_ODBC( szServer, szUser, szPassword,
"", szDatabase );
                if (!m_pTxn) {
                    WriteMessageToEventLog(TEXT("Component could
not create ODBC class: out of memory."));
                    return 1;
                }
                break;

            case DBLIB:

```



```

        m_pTxn = new CTPCC_DBLIB( szServer, szUser,
szPassword, "", szDatabase );
        if (!m_pTxn) {
            WriteMessageToEventLog(TEXT("Component could
not create DBLib class: out of memory."));
            return 1;
        }
        break;
    }
}
catch (CBaseErr *e)
{
    WriteMessageToEventLog(e->ErrorText());
    delete e;
    m_bCanBePooled = FALSE;
    return 1;
}
catch (...)
{
    WriteMessageToEventLog(TEXT("Unhandled exception."));
    m_bCanBePooled = FALSE;
    return 1;
}

// all went well
return 0;
}

STDMETHODIMP_(BOOL) CPayment::CanBePooled()
{
    return m_bCanBePooled;
}

STDMETHODIMP CPayment::Activate()
{
    // we don't support COM+ transactions (no enlistment)
    return S_OK;
}

//
// called by the ctor activator
// the construct string should look like "SERVER=server;DATABASE=tpcc;UID=sa;PWD="
//
STDMETHODIMP CPayment::Construct(IDispatch * pUnk)
{
    if (!pUnk)
        return E_UNEXPECTED;

    HRESULT hr;
    IObjectConstructString * pString = NULL;
    WCHAR wszTemp[128];
    WCHAR *p;
    CHAR szServer[32] = { 0 };
    CHAR szUser[32] = "sa";
    CHAR szPassword[32] = { 0 };
    CHAR szDatabase[32] = "tpcc";

    int i;

```

```

    try {
        hr = pUnk->QueryInterface(IID_IObjectConstructString, (void
**) &pString);

        if (pString) {
            // CComBSTR destructor frees string when out of scope
            CComBSTR bsConstructString;
            pString->get_ConstructString(&bsConstructString);
            p = wcsstr(bsConstructString.m_str, L"SERVER=");
            if (p) {
                p += 7; // skip 'SERVER='
                for (i = 0; *p != ';' && *p != '\0'; i++,
p++) {
                    wszTemp[i] = *p;
                }
                wszTemp[i] = '\0';
                wcstombs(szServer, wszTemp, 32);
            }

            p = wcsstr(bsConstructString.m_str, L"UID=");
            if (p) {
                p += 4; // skip 'UID='
                for (i = 0; *p != ';' && *p != '\0'; i++,
p++) {
                    wszTemp[i] = *p;
                }
                wszTemp[i] = '\0';
                wcstombs(szUser, wszTemp, 32);
            }

            p = wcsstr(bsConstructString.m_str, L"PWD=");
            if (p) {
                p += 4; // skip 'PWD='
                for (i = 0; *p != ';' && *p != '\0'; i++,
p++) {
                    wszTemp[i] = *p;
                }
                wszTemp[i] = '\0';
                wcstombs(szPassword, wszTemp, 32);
            }

            p = wcsstr(bsConstructString.m_str, L"DATABASE=");
            if (p) {
                p += 9; // skip 'DATABASE='
                for (i = 0; *p != ';' && *p != '\0'; i++,
p++) {
                    wszTemp[i] = *p;
                }
                wszTemp[i] = '\0';
                wcstombs(szDatabase, wszTemp, 32);
            }

            pString->Release();

            if (SetDBConnectStrings(szServer, szUser, szPassword,
szDatabase))
                return E_FAIL;
        }
    }
}

```

```

        catch (CBaseErr *e) {
            WriteMessageToEventLog(e->ErrorText());
            delete e;
            return E_FAIL;
        }
        catch (...) {
            WriteMessageToEventLog(TEXT("Unhandled exception in object
::Construct"));
            return E_FAIL;
        }
        return hr;
    }
}

```

## Payment.h

```

// Payment.h : Declaration of the CPayment

#ifdef __PAYMENT_H_
#define __PAYMENT_H_

#include <sqltypes.h>
#include <sql.h>
#include <sqlext.h>

#include "resource.h" // main symbols
#include <comsvcs.h>
#include "..\ITPCCps\itpcc.h"
#include "..\..\common\src\trans.h" //tpckit transaction header
contains definitions of structures specific to TPC-C
#include "..\..\common\src\txn_base.h"
#include "..\..\common\src\error.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

////////////////////////////////////
// CPayment
class ATL_NO_VTABLE CPayment :
    public CComObjectRootEx<CComSingleThreadModel>,
    public CComCoClass<CPayment, &CLSID_Payment>,
    public ITPCC,
    public IObjectControl,
    public IObjectConstruct
{
public:
    CPayment();
    ~CPayment();

DECLARE_REGISTRY_RESOURCEID(IDR_PAYMENT)

BEGIN_COM_MAP(CPayment)
    COM_INTERFACE_ENTRY(ITPCC)
    COM_INTERFACE_ENTRY(IObjectControl)
    COM_INTERFACE_ENTRY(IObjectConstruct)
END_COM_MAP()

// ITPCC
public:
    HRESULT __stdcall NewOrder(
        int* iSize,
        UCHAR** txn);

```

```

    HRESULT __stdcall Payment(
        int* iSize,
        UCHAR** txn);

    HRESULT __stdcall Delivery(
        int* iSize,
        UCHAR** txn);

    HRESULT __stdcall StockLevel(
        int* iSize,
        UCHAR** txn);

    HRESULT __stdcall OrderStatus(
        int* iSize,
        UCHAR** txn);

    HRESULT __stdcall CallSetComplete();

// IObjectControl
    STDMETHODCALLTYPE CanBePooled();

    STDMETHODCALLTYPE Activate();

    STDMETHODCALLTYPE Deactivate()
    {
        // nothing to do
    }

// IObjectConstruct
    STDMETHODCALLTYPE Construct(IDispatch * pUnk);

private:
    // helper methods
    BOOL m_bCanBePooled;

    CTPCC_BASE *m_pTxn;

    int SetDBConnectStrings(LPCSTR szServer, LPCSTR szUser, LPCSTR szPassword,
    LPCSTR szDatabase);

    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;
    };
};

#endif // __PAYMENT_H_

```

## TPCCPayment.cpp

```

// TPCCPayment.cpp : Implementation of DLL Exports.

```

```

// Note: Proxy/Stub Information
//       To build a separate proxy/stub DLL,
//       run nmake -f TPCCPaymentps.mk in the project directory.

#include "stdafx.h"
#include "resource.h"
#include "TPCCPayment.h"

#include "TPCCPayment_i.c"
#include "Payment.h"

CComModule _Module;

BEGIN_OBJECT_MAP(ObjectMap)
    OBJECT_ENTRY(CLSID_Payment, CPayment)
END_OBJECT_MAP()

////////////////////////////////////
// DLL Entry Point

extern "C"
BOOL WINAPI DllMain(HINSTANCE hInstance, DWORD dwReason, LPVOID /*lpReserved*/)
{
    if (dwReason == DLL_PROCESS_ATTACH)
    {
        _Module.Init(ObjectMap, hInstance);
        DisableThreadLibraryCalls(hInstance);
    }
    else if (dwReason == DLL_PROCESS_DETACH)
        _Module.Term();
    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;
}

```

---

## TPCCPayment.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 5.02.0235 */
/* at Mon May 17 16:43:53 1999
*/
/* Compiler settings for TPCCPayment.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*/
#ifndef __REQUIRED_RPCNDR_H_VERSION__
#define __REQUIRED_RPCNDR_H_VERSION__ 440
#endif

#include "rpc.h"
#include "rpcndr.h"

#ifndef __TPCCPayment_h__
#define __TPCCPayment_h__

/* Forward Declarations */

#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__ */

/* header files for imported files */
#include "oaidl.h"
#include "ocidl.h"
#include "itpcc.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 * );
```

```
#ifndef __TPCCPAYMENTLib_LIBRARY_DEFINED__
#define __TPCCPAYMENTLib_LIBRARY_DEFINED__
```

```
/* library TPCCPAYMENTLib */
/* [helpstring][version][uuid] */
```

```
EXTERN_C const IID LIBID_TPCCPAYMENTLib;
```

```
EXTERN_C const CLSID CLSID_Payment;
```

```
#ifdef __cplusplus
```

```
class DECLSPEC_UUID("CD02F7EF-A4FA-11D2-BA4E-00C04FBFE08B")
Payment;
#endif
#endif /* __TPCCPAYMENTLib_LIBRARY_DEFINED__ */
```

```
/* Additional Prototypes for ALL interfaces */
```

```
/* end of Additional Prototypes */
```

```
#ifdef __cplusplus
```

```
}
#endif
```

```
#endif
```

---

## TPCCPayment.idl

---

```
// TPCCPayment.idl : IDL source for TPCCPayment.dll
//
```

```
// This file will be processed by the MIDL tool to
// produce the type library (TPCCPayment.tlb) and marshalling code.
```

```
import "oaidl.idl";
import "ocidl.idl";
import "..\ITPCCps\itpcc.idl";
```

```
[
    uuid(CD02F7E1-A4FA-11D2-BA4E-00C04FBFE08B),
    version(1.0),
    helpstring("TPCCPayment 1.0 Type Library")
]
```

```
library TPCCPAYMENTLib
```

```
{
    importlib("stdole32.tlb");
    importlib("stdole2.tlb");
```

```
[
    uuid(CD02F7EF-A4FA-11D2-BA4E-00C04FBFE08B),
    helpstring("Payment Class")
]
```

```
class Payment
```

```
{
    [default] interface ITPCC;
```

```
};
```

---

## StockLevel.cpp

---

```
/* FILE: StockLevel.CPP
```

```
 *
 * Microsoft TPC-C Kit Ver. 4.10.000
 * Copyright Microsoft, 1999
 *
 */
```

```
#include "stdafx.h"
#include "TPCCStockLevel.h"
#include "StockLevel.h"
```

```
#include <transact.h>
#include <stdio.h>
```

```
#include "..\ITPCCps\itpcc_i.c"
#include "..\common.h"
```

```
////////////////////////////////////
// CStockLevel
```

```
CStockLevel::CStockLevel()
{
    m_pTxn = NULL;
    m_bCanBePooled = TRUE;
}
```

```
CStockLevel::~CStockLevel()
{
    if (m_pTxn)
        delete m_pTxn;
}
```

```
HRESULT CStockLevel::NewOrder(int* iSize, UCHAR** txn)
{
    // not implemented
    return E_NOTIMPL;
}
```

```
HRESULT CStockLevel::Payment(int* iSize, UCHAR** txn)
{
    // not implemented
    return E_NOTIMPL;
}
```

```
HRESULT CStockLevel::Delivery(int* iSize, UCHAR** txn)
{
    // not implemented
    return E_NOTIMPL;
}
```

```
HRESULT CStockLevel::StockLevel(int* iSize, UCHAR** txn)
{
    IObjectContext* pObjectContext = NULL;
```

```

HRESULT hr;
PSTOCK_LEVEL_DATA pStockLevel;
COM_DATA          *pData;
int               iSLSize;

try
{
    pData = (COM_DATA*)txn;

    iSLSize = sizeof(STOCK_LEVEL_DATA);

    // get our object context
    hr = CoGetObjectContext( IID_IObjectContext, (void
**)&pObjectContext );
    if (FAILED(hr)) return hr;

    pStockLevel = m_pTxn->BuffAddr_StockLevel();

    memcpy(pStockLevel, &pData->u.StockLevel, iSLSize );
    m_pTxn->StockLevel();
    memcpy( &pData->u.StockLevel, pStockLevel, iSLSize );

    pData->retval = ERR_SUCCESS;
    pData->error = 0;

    // all went well
    pObjectContext->SetComplete();
    ReleaseInterface(pObjectContext);
    return S_OK;
}
catch (CBaseErr *e)
{
    pData->retval = e->ErrorType();
    pData->error = e->ErrorNum();
    delete e;
    // failed
    pObjectContext->SetAbort();
    ReleaseInterface(pObjectContext);
    return E_FAIL;
}
catch (...)
{
    WriteMessageToEventLog(TEXT("Unhandled exception."));
    pData->retval = ERR_TYPE_LOGIC;
    pData->error = 0;
    // failed
    pObjectContext->SetAbort();
    ReleaseInterface(pObjectContext);
    m_bCanBePooled = FALSE;
    return E_FAIL;
}
}

HRESULT CStockLevel::OrderStatus(int* iSize, UCHAR** txn)
{
    // not implemented
    return E_NOTIMPL;
}

HRESULT CStockLevel::CallSetComplete()
{

```

```

IObjectContext* pObjectContext = NULL;
HRESULT hr;

// get our object context
hr = CoGetObjectContext( IID_IObjectContext, (void **)&pObjectContext );

pObjectContext->SetComplete();
ReleaseInterface(pObjectContext);

return hr;
}

int CStockLevel::SetDBConnectStrings(LPCSTR szServer, LPCSTR szUser, LPCSTR
szPassword, LPCSTR szDatabase)
{
    DBPROTOCOL eDB_Protocol;
    try
    {
        eDB_Protocol = ReadRegistrySettings();
        if (eDB_Protocol == Unspecified)
        {
            WriteMessageToEventLog(TEXT("Component failed to read
registry settings."));
            return 1;
        }

        switch (eDB_Protocol)
        {
            case ODBC:
                m_pTxn = new CTPCC_ODBC( szServer, szUser, szPassword,
"", szDatabase );
                if (!m_pTxn) {
                    WriteMessageToEventLog(TEXT("Component could
not create ODBC class: out of memory."));
                    return 1;
                }
                break;

            case DBLIB:
                m_pTxn = new CTPCC_DBLIB( szServer, szUser,
szPassword, "", szDatabase );
                if (!m_pTxn) {
                    WriteMessageToEventLog(TEXT("Component could
not create DBLib class: out of memory."));
                    return 1;
                }
                break;
        }
    }
    catch (CBaseErr *e)
    {
        WriteMessageToEventLog(e->ErrorText());
        delete e;
        m_bCanBePooled = FALSE;
        return 1;
    }
    catch (...)
    {
        WriteMessageToEventLog(TEXT("Unhandled exception."));
        m_bCanBePooled = FALSE;
        return 1;
    }
}

```

```

        // all went well
        return 0;
    }

STDMETHODIMP_(BOOL) CStockLevel::CanBePooled()
{
    return m_bCanBePooled;
}

STDMETHODIMP CStockLevel::Activate()
{
    // we don't support COM+ transactions (no enlistment)
    return S_OK;
}

//
// called by the ctor activator
// the construct string should look like "SERVER=server;DATABASE=tpcc;UID=sa;PWD="
//
STDMETHODIMP CStockLevel::Construct(IDispatch * pUnk)
{
    if (!pUnk)
        return E_UNEXPECTED;

    HRESULT hr;
    IObjectConstructString * pString = NULL;
    WCHAR wsztemp[128];
    WCHAR *p;
    CHAR szServer[32] = { 0 };
    CHAR szUser[32] = "sa";
    CHAR szPassword[32] = { 0 };
    CHAR szDatabase[32] = "tpcc";

    int i;

    try {
        hr = pUnk->QueryInterface(IID_IObjectConstructString, (void
**)&pString);

        if (pString) {
            // CComBSTR destructor frees string when out of scope
            CComBSTR bsConstructString;
            pString->get_ConstructString(&bsConstructString);
            p = wcsstr(bsConstructString.m_str, L"SERVER=");
            if (p) {
                p += 7; // skip 'SERVER='
                for (i = 0; *p != ';' && *p != '\\0'; i++,
                    wsztemp[i] = *p;
                )
                    wsztemp[i] = '\\0';
                wcstombs(szServer, wsztemp, 32);
            }

            p = wcsstr(bsConstructString.m_str, L"UID=");

```

```

        if (p) {
            p += 4; // skip 'UID='
            for (i = 0; *p != ';' && *p != '\\0'; i++,
                wsztemp[i] = *p;
            )
                wsztemp[i] = '\\0';
            wcstombs(szUser, wsztemp, 32);
        }

        p = wcsstr(bsConstructString.m_str, L"PWD=");
        if (p) {
            p += 4; // skip 'PWD='
            for (i = 0; *p != ';' && *p != '\\0'; i++,
                wsztemp[i] = *p;
            )
                wsztemp[i] = '\\0';
            wcstombs(szPassword, wsztemp, 32);
        }

        p = wcsstr(bsConstructString.m_str, L"DATABASE=");
        if (p) {
            p += 9; // skip 'DATABASE='
            for (i = 0; *p != ';' && *p != '\\0'; i++,
                wsztemp[i] = *p;
            )
                wsztemp[i] = '\\0';
            wcstombs(szDatabase, wsztemp, 32);
        }

        pString->Release();

        if (SetDBConnectStrings(szServer, szUser, szPassword,
szDatabase))
        {
            return E_FAIL;
        }
    }

    catch (CBaseErr *e) {
        WriteMessageToEventLog(e->ErrorText());
        delete e;
        return E_FAIL;
    }

    catch (...) {
        WriteMessageToEventLog(TEXT("Unhandled exception in object
::Construct"));
        return E_FAIL;
    }

    return hr;
}

```

---

## StockLevel.h

---

// StockLevel.h : Declaration of the CStockLevel

```

#ifdef __STOCKLEVEL_H_
#define __STOCKLEVEL_H_

```

```

#include <sqltypes.h>
#include <sql.h>
#include <sqlext.h>

#include "resource.h" // main symbols
#include <comsvcs.h>
#include "..\ITPCcps\itpcc.h"
#include "..\..\common\src\trans.h" //tpckit transaction header
contains definitions of structures specific to TPC-C
#include "..\..\common\src\txn_base.h"
#include "..\..\common\src\error.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

////////////////////////////////////
// CStockLevel
class ATL_NO_VTABLE CStockLevel :
public CComObjectRootEx<CComSingleThreadModel>,
public CComCoClass<CStockLevel, &CLSID_StockLevel>,
public ITPCC,
public IObjectControl,
public IObjectConstruct
{
public:
CStockLevel();
~CStockLevel();

DECLARE_REGISTRY_RESOURCEID(IDR_STOCKLEVEL)

BEGIN_COM_MAP(CStockLevel)
COM_INTERFACE_ENTRY(ITPCC)
COM_INTERFACE_ENTRY(IObjectControl)
COM_INTERFACE_ENTRY(IObjectConstruct)
END_COM_MAP()

// ITPCC
public:
HRESULT __stdcall NewOrder(
int* iSize,
UCHAR** txn);

HRESULT __stdcall Payment(
int* iSize,
UCHAR** txn);

HRESULT __stdcall Delivery(
int* iSize,
UCHAR** txn);

HRESULT __stdcall StockLevel(
int* iSize,
UCHAR** txn);

HRESULT __stdcall OrderStatus(
int* iSize,
UCHAR** txn);

HRESULT __stdcall CallSetComplete();

// IObjectControl
STDMETHODIMP_(BOOL) CanBePooled();

```

```

STDMETHODIMP Activate();

STDMETHODIMP_(void) Deactivate()
{
// nothing to do
}

// IObjectConstruct
STDMETHODIMP Construct(IDispatch * pUnk);

// helper methods
private:
BOOL m_bCanBePooled;

CTPCC_BASE *m_pTxn;

int SetDBConnectStrings(LPCSTR szServer, LPCSTR szUser, LPCSTR szPassword,
LPCSTR szDatabase);

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;
};

#endif // __STOCKLEVEL_H_

```

---

## TPCCStockLevel.cpp

---

```

// TPCCStockLevel.cpp : Implementation of DLL Exports.

// Note: Proxy/Stub Information
// To build a separate proxy/stub DLL,
// run nmake -f TPCCStockLevelps.mk in the project directory.

#include "stdafx.h"
#include "resource.h"
#include "initguid.h"
#include "TPCCStockLevel.h"

#include "TPCCStockLevel_i.c"
#include "StockLevel.h"

CComModule _Module;

BEGIN_OBJECT_MAP(ObjectMap)
OBJECT_ENTRY(CLSID_StockLevel, CStockLevel)
END_OBJECT_MAP()

////////////////////////////////////
// DLL Entry Point

```

```

extern "C"
BOOL WINAPI DllMain(HINSTANCE hInstance, DWORD dwReason, LPVOID /*lpReserved*/)
{
    if (dwReason == DLL_PROCESS_ATTACH)
    {
        _Module.Init(ObjectMap, hInstance);
        DisableThreadLibraryCalls(hInstance);
    }
    else if (dwReason == DLL_PROCESS_DETACH)
        _Module.Term();
    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;
}

```

---

## TPCCStockLevel.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 5.02.0235 */
/* at Mon May 17 16:44:00 1999
*/
/* Compiler settings for TPCCStockLevel.idl:
    Oicf (OptLev=12), 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 __TPCCStockLevel_h__
#define __TPCCStockLevel_h__

/* Forward Declarations */

#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 "itpcc.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 * );

#ifndef __TPCCSTOCKLEVELLib_LIBRARY_DEFINED__
#define __TPCCSTOCKLEVELLib_LIBRARY_DEFINED__

/* library TPCCSTOCKLEVELLib */
/* [helpstring][version][uuid] */

EXTERN_C const IID LIBID_TPCCSTOCKLEVELLib;

EXTERN_C const CLSID CLSID_StockLevel;

#ifdef __cplusplus
class DECLSPEC_UUID("2668369E-A50D-11D2-BA4E-00C04FBFE08B")
StockLevel;
#endif
#endif /* __TPCCSTOCKLEVELLib_LIBRARY_DEFINED__ */

```



```
/* Additional Prototypes for ALL interfaces */
```

```
/* end of Additional Prototypes */
```

```
#ifdef __cplusplus
```

```
}
```

```
#endif
```

```
#endif
```

---

## TPCCStockLevel.idl

---

```
// TPCCStockLevel.idl : IDL source for TPCCStockLevel.dll
```

```
//
```

```
// This file will be processed by the MIDL tool to  
// produce the type library (TPCCStockLevel.tlb) and marshalling code.
```

```
import "oidl.idl";
```

```
import "ocidl.idl";
```

```
import "..\ITPCCps\itpcc.idl";
```

```
[  
    uuid(26683690-A50D-11D2-BA4E-00C04FBFE08B),  
    version(1.0),  
    helpstring("TPCCStockLevel 1.0 Type Library")  
]
```

```
library TPCCSTOCKLEVELLib
```

```
{  
    importlib("stdole32.tlb");  
    importlib("stdole2.tlb");
```

```
[  
    uuid(2668369E-A50D-11D2-BA4E-00C04FBFE08B),  
    helpstring("StockLevel Class")  
]
```

```
coclass StockLevel
```

```
{  
    [default] interface ITPCC;
```

```
};
```

```
};
```

# Appendix B: Database Design

The TPC-C database was created with the following Transact-SQL scripts:

---

## CREATEDB.SQL

---

```
-- File:      CREATEDB.SQL
--           Microsoft TPC-C Benchmark Kit Ver. 4.00
--           Copyright Microsoft, 1996
-- Purpose:   Creates tpcc database and backup files

use master
go

-- remove any existing database and backup files
exec sp_dbretrieve tpcc, dropdev
exec sp_dropdevice 'tpccback1'
exec sp_dropdevice 'tpccback2'
exec sp_dropdevice 'tpccback3'
exec sp_dropdevice 'tpccback4'
go

declare @startdate datetime
declare @enddate datetime
select @startdate = getdate()
select "Start date:", convert(varchar(30),@startdate,9)

-- create main database files

create database tpcc on
    (name="MSSQL70_tpcc_root",filename="C:\MSSQL70_tpcc_root.mdf",size=8MB,
FILEGROWTH=0)
log on
    (name="MSSQL70_tpcc_log",filename="F:",size=95000MB, FILEGROWTH=0)

-- create filegroups

alter database tpcc add filegroup misc_fg
alter database tpcc add filegroup big_fg

-- add files to filegroups

alter database tpcc add file
    (name="misc1",filename="O:",size=12000MB, FILEGROWTH=0),
    (name="misc2",filename="P:",size=12000MB, FILEGROWTH=0),
    (name="misc3",filename="Q:",size=12000MB, FILEGROWTH=0),
    (name="misc4",filename="R:",size=12000MB, FILEGROWTH=0),
    (name="misc5",filename="S:",size=12000MB, FILEGROWTH=0),
    (name="misc6",filename="T:",size=12000MB, FILEGROWTH=0),
    (name="misc7",filename="Y:",size=12000MB, FILEGROWTH=0),
    (name="misc8",filename="Z:",size=12000MB, FILEGROWTH=0)
to filegroup misc_fg
```

```
alter database tpcc add file
    (name="stock1",filename="G:",size=26000MB, FILEGROWTH=0),
    (name="stock2",filename="H:",size=26000MB, FILEGROWTH=0),
    (name="stock3",filename="I:",size=26000MB, FILEGROWTH=0),
    (name="stock4",filename="J:",size=26000MB, FILEGROWTH=0),
    (name="stock5",filename="K:",size=26000MB, FILEGROWTH=0),
    (name="stock6",filename="L:",size=26000MB, FILEGROWTH=0),
    (name="stock7",filename="M:",size=26000MB, FILEGROWTH=0),
    (name="stock8",filename="N:",size=26000MB, FILEGROWTH=0)
to filegroup big_fg

select @enddate = getdate()
select "End date: ", convert(varchar(30),@enddate,9)
select "Elapsed time (in seconds): ", datediff(second, @startdate, @enddate)
go

-- create backup devices

exec sp_addumpdevice 'disk','tpccback1','u:\tpccback1.dmp'
exec sp_addumpdevice 'disk','tpccback2','u:\tpccback2.dmp'
exec sp_addumpdevice 'disk','tpccback3','u:\tpccback3.dmp'
exec sp_addumpdevice 'disk','tpccback4','u:\tpccback4.dmp'
go
```

---

## DBOPT1.SQL

---

```
-- File:      DBOPT1.SQL
--           Microsoft TPC-C Benchmark Kit Ver. 4.00
--           Copyright Microsoft, 1996
-- 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
go

use tpcc
go

checkpoint
go
```

---

## DBOPT2.SQL

---

```
-- File:      DBOPT2.SQL
--           Microsoft TPC-C Benchmark Kit Ver. 4.00
--           Copyright Microsoft, 1996
-- Purpose:   Resets database options after data load

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 'customer','AllowPageLocks',FALSE
go
sp_indexoption 'district','AllowPageLocks',FALSE
go
sp_indexoption 'warehouse','AllowPageLocks',FALSE
go
sp_indexoption 'stock','AllowPageLocks',FALSE
go
sp_indexoption 'order_line','AllowRowLocks',FALSE
go
sp_indexoption 'order_line','AllowPageLocks',TRUE
go
sp_indexoption 'orders','AllowRowLocks',FALSE
go
sp_indexoption 'orders','AllowPageLocks',TRUE
go
sp_indexoption 'new_order','AllowRowLocks',FALSE
go
sp_indexoption 'new_order','AllowPageLocks',TRUE
go
sp_indexoption 'item','AllowRowLocks',FALSE
go
sp_indexoption 'item','AllowPageLocks',FALSE
go

Print ' '
Print '*****'
Print 'Pre-specified Locking Hierarchy:'
Print '  Lockflag = 0 ==> No pre-pecified 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("warehouse")=id or
      object_id("district")=id or
      object_id("customer")=id or
      object_id("stock")=id or
      object_id("orders")=id or
      object_id("order_line")=id or

```

```

      object_id("history")=id or
      object_id("new_order")=id or
      object_id("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 "district","pintable",true
exec sp_tableoption "warehouse","pintable",true
exec sp_tableoption "new_order","pintable",true
exec sp_tableoption "item","pintable",true
go

```

---

## DELIVERY.SQL

---

```

-- File:      DELIVERY.SQL
--           Microsoft TPC-C Benchmark Kit Ver. 4.00
--           Copyright Microsoft, 1996
-- Purpose:   Creates delivery transaction stored procedure
use tpcc
go

if exists (select name from sysobjects where name = "tpcc_delivery" )
drop procedure tpcc_delivery
go

create proc tpcc_delivery      @w_id          smallint,
                               @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

select @d_id = 0

begin tran d

while (@d_id < 10)
begin

select @d_id = @d_id + 1,

```

```

        @total = 0,
        @o_id = 0

        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 = getdate(),
          @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
```

---

### IDXCUSCL.SQL

---

```

-- File:      IDXCUSCL.SQL
--           Microsoft TPC-C Benchmark Kit Ver. 4.00
--           Copyright Microsoft, 1996
-- Purpose:   Creates clustered index on customer table

```

```

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_cl' )
drop index customer.customer_cl

```

```

create unique clustered index customer_cl on customer(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. 4.00
--           Copyright Microsoft, 1996
-- Purpose:   Creates non-clustered index on customer table

```

```

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 customer.customer_nc1

```

```

create unique nonclustered index customer_nc1 on 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. 4.00
--           Copyright Microsoft, 1996
-- Purpose:   Creates clustered index on district table

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 = 'district_cl' )
    drop index district.district_cl

create unique clustered index  district_cl on district(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. 4.00
--           Copyright Microsoft, 1996
-- Purpose:   Creates clustered index on item table

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_cl' )
    drop index item.item_cl

```

```

create unique clustered index item_cl on 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. 4.00
--           Copyright Microsoft, 1996
-- Purpose:   Creates clustered index on new_order table

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 = 'new_order_cl' )
    drop index new_order.new_order_cl

create unique clustered index new_order_cl on new_order(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. 4.00
--           Copyright Microsoft, 1996
-- Purpose:   Creates clustered index on order_line table

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 = 'order_line_cl' )
    drop index order_line.order_line_cl

create unique clustered index order_line_cl on order_line(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. 4.00
--           Copyright Microsoft, 1996
-- Purpose:   Creates clustered index on orders table

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_cl' )
    drop index orders.orders_cl

create unique clustered index orders_cl on orders(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. 4.00
--           Copyright Microsoft, 1996
-- Purpose:   Creates non-clustered index on orders table

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_ncl' )
    drop index orders.orders_ncl

create index orders_ncl on 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. 4.00
--           Copyright Microsoft, 1996
-- Purpose:   Creates clustered index on stock table

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 = 'stock_cl' )
    drop index stock.stock_cl

create unique clustered index stock_cl on stock(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. 4.00
--           Copyright Microsoft, 1996
-- Purpose:   Creates clustered index on warehouse table

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 = 'warehouse_cl' )
    drop index warehouse.warehouse_cl

create unique clustered index warehouse_cl on warehouse(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

```

## NEWORD.SQL

```
-- File:      NEWORD.SQL
--           Microsoft TPC-C Benchmark Kit Ver. 4.00
--           Copyright Microsoft, 1996
-- Purpose:   Creates new order transaction stored procedure
--
-- Modified 6/24/98 - Jamie Reding - Microsoft Corporation
--           Replaced Select of @s_quantity with Select of @li_qty to insure
--           correct data when sending line-item data to client.
--
use tpcc
go

if exists ( select name from sysobjects where name = "tpcc_neworder" )
    drop procedure tpcc_neworder
go

create proc tpcc_neworder

    @w_id          smallint,
    @d_id          tinyint,
    @c_id          int,
    @o_ol_cnt      tinyint,
    @o_all_local   tinyint,
    @i_id1 int = 0, @ol_qty1 smallint = 0,
    @i_id2 int = 0, @ol_qty2 smallint = 0,
    @i_id3 int = 0, @ol_qty3 smallint = 0,
    @i_id4 int = 0, @ol_qty4 smallint = 0,
    @i_id5 int = 0, @ol_qty5 smallint = 0,
    @i_id6 int = 0, @ol_qty6 smallint = 0,
    @i_id7 int = 0, @ol_qty7 smallint = 0,
    @i_id8 int = 0, @ol_qty8 smallint = 0,
    @i_id9 int = 0, @ol_qty9 smallint = 0,
    @i_id10 int = 0, @ol_qty10 smallint = 0,
    @i_id11 int = 0, @ol_qty11 smallint = 0,
    @i_id12 int = 0, @ol_qty12 smallint = 0,
    @i_id13 int = 0, @ol_qty13 smallint = 0,
    @i_id14 int = 0, @ol_qty14 smallint = 0,
    @i_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  smallint,
        @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,
        @o_entry_d = getdate(),
        @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

-- if there actually is an item with this id, go to work
if (@@rowcount > 0)
begin
update stock set s_ytd = s_ytd + @li_qty,
@s_quantity = s_quantity,
s_quantity = s_quantity - @li_qty +
case when (s_quantity - @li_qty < 10) then 91 else
0 end,
s_order_cnt = s_order_cnt + 1,
s_remote_cnt = s_remote_cnt + case
when (@li_s_w_id = @w_id) then 0 else 1 end,
@s_data = s_data,

```

```

@s_dist = 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

-- 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 * @li_qty,
@s_dist)

-- send line-item data to client
select @i_name,
@li_qty,
b_g = 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 found - triggers rollback condition
select "",0,"",0,0
select @commit_flag = 0

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

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
    -- all that work for nuthin!!!
    rollback transaction n

-- 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. 4.00
--           Copyright Microsoft, 1996
-- Purpose:   Creates order status transaction stored procedure

use tpcc
go

if exists ( select name from sysobjects where name = "tpcc_orderstatus" )
    drop procedure tpcc_orderstatus
go

create proc tpcc_orderstatus @w_id          smallint,

```

```

        tinyint,
        int,
        char(16) = ""
as
declare @c_balance      numeric(12,2),
        @c_first       char(16),
        @c_middle      char(2),
        @c_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
    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
    end
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. 4.00
--           Copyright Microsoft, 1996
-- Purpose:   Creates payment transaction stored procedure

use tpcc
go

if exists (select name from sysobjects where name = "tpcc_payment" )
    drop procedure tpcc_payment
go

```

```

create proc tpcc_payment @w_id          smallint,
                        @c_w_id        smallint,
                        @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    smallint,
        @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 @cnt = count(*)
from customer (repeatableread)
where c_last = @c_last and
c_w_id = @c_w_id and
c_d_id = @c_d_id

select @val = (@cnt + 1) / 2
set rowcount @val

select @c_id = c_id
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_last, c_first

set rowcount 0
end

-- get customer info and update balances

update customer set
@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

select @screen_data = substring (@c_data,1,200)
end

-- 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. 4.00
-- Copyright Microsoft, 1996
-- Purpose: Creates stock level transaction stored procedure

```

```

use tpcc
go

```

```

if exists (select name from sysobjects where name = "tpcc_stocklevel" )
drop procedure tpcc_stocklevel
go

```

```

create proc tpcc_stocklevel @w_id smallint,
                           @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

```

go

## TABLES.SQL

```

-- File: TABLES.SQL
-- Microsoft TPC-C Benchmark Kit Ver. 4.00
-- Copyright Microsoft, 1996
-- Purpose: Creates TPC-C tables

```

```

use tpcc
go

```

```

if exists ( select name from sysobjects where name = 'warehouse' )
drop table warehouse

```

```

go
create table warehouse
(
    w_id smallint,
    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

```

```

if exists ( select name from sysobjects where name = 'district' )
drop table district

```

```

go
create table district
(
    d_id tinyint,
    d_w_id smallint,
    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

```

```

if exists ( select name from sysobjects where name = 'customer' )
drop table customer

```

```

go
create table customer
(
    c_id int,
    c_d_id tinyint,
    c_w_id smallint,
    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

if exists ( select name from sysobjects where name = 'history' )
    drop table history
go
create table history
(
    h_c_id                    int,
    h_c_d_id                  tinyint,
    h_c_w_id                  smallint,
    h_d_id                    tinyint,
    h_w_id                    smallint,
    h_date                    datetime,
    h_amount                  numeric(6,2),
    h_data                    char(24)
) on misc_fg
go

if exists ( select name from sysobjects where name = 'new_order' )
    drop table new_order
go
create table new_order
(
    no_o_id                   int,
    no_d_id                   tinyint,
    no_w_id                   smallint
) on misc_fg
go

if exists ( select name from sysobjects where name = 'orders' )
    drop table orders
go
create table orders
(
    o_id                      int,
    o_d_id                    tinyint,
    o_w_id                    smallint,
    o_c_id                    int,
    o_entry_d                 datetime,
    o_carrier_id              tinyint,
    o_ol_cnt                  tinyint,
    o_all_local                tinyint
) on misc_fg
go

if exists ( select name from sysobjects where name = 'order_line' )

```

```

        drop table order_line
go
create table order_line
(
    ol_o_id                   int,
    ol_d_id                   tinyint,
    ol_w_id                   smallint,
    ol_number                  tinyint,
    ol_i_id                   int,
    ol_supply_w_id            smallint,
    ol_delivery_d              datetime,
    ol_quantity                smallint,
    ol_amount                  numeric(6,2),
    ol_dist_info              char(24)
) on misc_fg
go

if exists ( select name from sysobjects where name = 'item' )
    drop table item
go
create table 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

if exists ( select name from sysobjects where name = 'stock' )
    drop table stock
go
create table stock
(
    s_i_id                    int,
    s_w_id                    smallint,
    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

```

# Database Loader Source

## TPCC.H

```
// File: TPC.H
// Microsoft TPC-C Kit Ver. 4.00
// Copyright Microsoft, 1996, 1997, 1998
// Purpose: Header file for TPC-C database loader

// Build number of TPC Benchmark Kit
#define TPCKIT_VER "4.00"

// 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 <odbc.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 DEFILDPACKSIZE 32768
#define ORDERS_PER_DIST 3000
#define LOADER_RES_FILE "logs\\load.out"
#define LOADER_NURAND_C 123
#define DEF_STARTING_WAREHOUSE 1
#define BUILD_INDEX data and indexes 1 // build both
#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;
    BOOL tables_all;
    // set if loading all tables
    BOOL table_item;
    // set if loading ITEM table specifically
    BOOL 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. 4.00
// Copyright Microsoft, 1996, 1997, 1998
// 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);

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;
    short 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;
    short 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;
    short 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       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      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;

TPCCLDR_ARGS *aptr, args;

//=====
//
// 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);

    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("idxitm1");

    InitString(i_name, I_NAME_LEN+1);
    InitString(i_data, I_DATA_LEN+1);

    sprintf(name, "%s.%s", aptr->database, "item");

    rc = bcp_init(i_hdbc1, name, NULL, "logs\\item.err", 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");
            rc = bcp_control(i_hdbc1, BCPHINTS, (int) 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()
{
    short 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(2);

    printf("Loading warehouse table...\n");

    // if build index before load..
    if ((aptr->build_index == 1) && (aptr->index_order == 1))
        BuildIndex("idxwarc1");

    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, "warehouse");

    rc = bcp_init(w_hdbc1, name, NULL, "logs\\whouse.err", 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",
aptr->num_warehouses);
        rc = bcp_control(w_hdbc1, BCPHINTS, (int) bcphint);
        if (rc != SUCCEED)
            HandleErrorDBC(w_hdbc1);
    }
}

```

```

    rc = bcp_bind(w_hdbc1, (BYTE *) &w_id, 0, SQL_VARLEN_DATA, NULL, 0,
SQLINT2, 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);

    rc = bcp_bind(w_hdbc1, (BYTE *) w_street_1, 0, ADDRESS_LEN, NULL, 0, 0,
3);
    if (rc != SUCCEED)
        HandleErrorDBC(w_hdbc1);

    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;

    for (w_id = (short)aptr->starting_warehouse; w_id <= aptr->num_warehouses;
w_id++)
    {
        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("idxwarcl");

stock_rows_loaded = 0;
district_rows_loaded = 0;

District();
Stock();
}

//=====
//
// Function   : District
//
//=====

void District()
{
    short d_id;
    short 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(4);

    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, "district");

    rc = bcp_init(w_hdbc1, name, NULL, "logs\\district.err", DB_IN);
    if (rc != SUCCEEDED)
        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", (aptr->num_warehouses * 10));
            rc = bcp_control(w_hdbc1, BCPHINTS, (int) bcphint);
            if (rc != SUCCEEDED)
                HandleErrorDBC(w_hdbc1);
        }

        rc = bcp_bind(w_hdbc1, (BYTE *) &d_id, 0, SQL_VARLEN_DATA, NULL, 0,
SQLINT2, 1);
        if (rc != SUCCEEDED)
            HandleErrorDBC(w_hdbc1);

        rc = bcp_bind(w_hdbc1, (BYTE *) &d_w_id, 0, SQL_VARLEN_DATA, NULL, 0,
SQLINT2, 2);
        if (rc != SUCCEEDED)
            HandleErrorDBC(w_hdbc1);

        rc = bcp_bind(w_hdbc1, (BYTE *) d_name, 0, D_NAME_LEN, NULL, 0, 0, 3);
        if (rc != SUCCEEDED)
            HandleErrorDBC(w_hdbc1);

4);        rc = bcp_bind(w_hdbc1, (BYTE *) d_street_1, 0, ADDRESS_LEN, NULL, 0, 0,
        if (rc != SUCCEEDED)
            HandleErrorDBC(w_hdbc1);

5);        rc = bcp_bind(w_hdbc1, (BYTE *) d_street_2, 0, ADDRESS_LEN, NULL, 0, 0,
        if (rc != SUCCEEDED)
            HandleErrorDBC(w_hdbc1);

        rc = bcp_bind(w_hdbc1, (BYTE *) d_city, 0, ADDRESS_LEN, NULL, 0, 0, 6);
        if (rc != SUCCEEDED)
            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);

        rc = bcp_bind(w_hdbc1, (BYTE *) &d_tax, 0, SQL_VARLEN_DATA, NULL, 0,
SQLFLT8, 9);
        if (rc != SUCCEEDED)
            HandleErrorDBC(w_hdbc1);

        rc = bcp_bind(w_hdbc1, (BYTE *) &d_ytd, 0, SQL_VARLEN_DATA, NULL, 0,
SQLFLT8, 10);
        if (rc != SUCCEEDED)
            HandleErrorDBC(w_hdbc1);

        rc = bcp_bind(w_hdbc1, (BYTE *) &d_next_o_id, 0, SQL_VARLEN_DATA, NULL, 0,
SQLINT4, 11);
        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 != SUCCEED)
            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;
    short 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(3);

// if build index before load...
if ((aptr->build_index == 1) && (aptr->index_order == 1))
    BuildIndex("idxstck1");

sprintf(name, "%s..%s", aptr->database, "stock");

rc = bcp_init(w_hdbc1, name, NULL, "logs\\stock.err", DB_IN);
if (rc != SUCCEED)
    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", (aptr->num_warehouses * 100000));
    rc = bcp_control(w_hdbc1, BCPHINTS, (int) bcphint);
    if (rc != SUCCEED)
        HandleErrorDBC(w_hdbc1);
}

rc = bcp_bind(w_hdbc1, (BYTE *) &s_i_id, 0, SQL_VARLEN_DATA, NULL, 0,
SQLINT4, 1);
if (rc != SUCCEED)
    HandleErrorDBC(w_hdbc1);

2);
bcp_bind(w_hdbc1, (BYTE *) &s_w_id, 0, SQL_VARLEN_DATA, NULL, 0, SQLINT2,
);
if (rc != SUCCEED)
    HandleErrorDBC(w_hdbc1);

rc = bcp_bind(w_hdbc1, (BYTE *) &s_quantity, 0, SQL_VARLEN_DATA, NULL, 0,
SQLINT2, 3);
if (rc != SUCCEED)
    HandleErrorDBC(w_hdbc1);

rc = bcp_bind(w_hdbc1, (BYTE *) s_dist_01, 0, S_DIST_LEN, NULL, 0, 0, 4);
if (rc != SUCCEED)
    HandleErrorDBC(w_hdbc1);

rc = bcp_bind(w_hdbc1, (BYTE *) s_dist_02, 0, S_DIST_LEN, NULL, 0, 0, 5);
if (rc != SUCCEED)
    HandleErrorDBC(w_hdbc1);

rc = bcp_bind(w_hdbc1, (BYTE *) s_dist_03, 0, S_DIST_LEN, NULL, 0, 0, 6);
if (rc != SUCCEED)
    HandleErrorDBC(w_hdbc1);

rc = bcp_bind(w_hdbc1, (BYTE *) s_dist_04, 0, S_DIST_LEN, NULL, 0, 0, 7);
if (rc != SUCCEED)
    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 = (short)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;
    short w_id;
    short d_id;
    DWORD dwThreadId[MAX_CUSTOMER_THREADS];
    HANDLE hThread[MAX_CUSTOMER_THREADS];
    char name[20];
    RETCODE rc;
    DBINT rcint;
    char bcpint[128];

    // Seed with unique number
    seed(5);

    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, "customer");

rc = bcp_init(c_hdbc1, name, NULL, "logs\\customer.err", 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", (aptr->num_warehouses * 30000));
    rc = bcp_control(c_hdbc1, BCPHINTS, (int) bcphint);
    if (rc != SUCCEEDED)
        HandleErrorDBC(c_hdbc1);
}

sprintf(name, "%s.%s", aptr->database, "history");

rc = bcp_init(c_hdbc2, name, NULL, "logs\\history.err", DB_IN);
if (rc != SUCCEEDED)
    HandleErrorDBC(c_hdbc2);

sprintf(bcphint, "tablock");
rc = bcp_control(c_hdbc2, BCPHINTS, (int) 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 = (short)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");

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(500, 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;
    short       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,
SQLINT2, 3);
    if (rc != SUCCEEDED)
        HandleErrorDBC(c_hdbc1);

    rc = bcp_bind(c_hdbc1, (BYTE *) c_first, 0, FIRST_NAME_LEN, NULL, 0, 0, 4);
    if (rc != SUCCEEDED)
        HandleErrorDBC(c_hdbc1);

    rc = bcp_bind(c_hdbc1, (BYTE *) c_middle, 0, MIDDLE_NAME_LEN, NULL, 0, 0, 5);
    if (rc != SUCCEEDED)
        HandleErrorDBC(c_hdbc1);

    rc = bcp_bind(c_hdbc1, (BYTE *) c_last, 0, LAST_NAME_LEN, NULL, 0, 0, 6);
    if (rc != SUCCEEDED)
        HandleErrorDBC(c_hdbc1);

    rc = bcp_bind(c_hdbc1, (BYTE *) c_street_1, 0, ADDRESS_LEN, NULL, 0, 0, 7);
    if (rc != SUCCEEDED)
        HandleErrorDBC(c_hdbc1);

    rc = bcp_bind(c_hdbc1, (BYTE *) c_street_2, 0, ADDRESS_LEN, NULL, 0, 0, 8);
    if (rc != SUCCEEDED)
        HandleErrorDBC(c_hdbc1);

    rc = bcp_bind(c_hdbc1, (BYTE *) c_city, 0, ADDRESS_LEN, NULL, 0, 0, 9);
    if (rc != SUCCEEDED)
        HandleErrorDBC(c_hdbc1);

    rc = bcp_bind(c_hdbc1, (BYTE *) c_state, 0, STATE_LEN, NULL, 0, 0, 10);
    if (rc != SUCCEEDED)
        HandleErrorDBC(c_hdbc1);

    rc = bcp_bind(c_hdbc1, (BYTE *) c_zip, 0, ZIP_LEN, NULL, 0, 0, 11);
    if (rc != SUCCEEDED)
        HandleErrorDBC(c_hdbc1);

    rc = bcp_bind(c_hdbc1, (BYTE *) c_phone, 0, PHONE_LEN, NULL, 0, 0, 12);
    if (rc != SUCCEEDED)
        HandleErrorDBC(c_hdbc1);

    rc = bcp_bind(c_hdbc1, (BYTE *) &c_since, 0, C_SINCE_LEN, NULL, 0,
SQLCHARACTER, 13);
    if (rc != SUCCEEDED)
        HandleErrorDBC(c_hdbc1);

    rc = bcp_bind(c_hdbc1, (BYTE *) c_credit, 0, CREDIT_LEN, NULL, 0, 0, 14);
    if (rc != SUCCEEDED)
        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;
    short 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, SQLINT2,
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, SQLINT2,
5);
    if (rc != SUCCEEDED)
        HandleErrorDBC(c_hdbc2);

rc = bcp_bind(c_hdbc2, (BYTE *) &h_date, 0, H_DATE_LEN, NULL, 0,
SQLCHARACTER, 6);
    if (rc != SUCCEEDED)
        HandleErrorDBC(c_hdbc2);

rc = bcp_bind(c_hdbc2, (BYTE *) &h_amount, 0, SQL_VARLEN_DATA, NULL, 0, SQLFLT8,
7);
    if (rc != SUCCEEDED)
        HandleErrorDBC(c_hdbc2);

rc = bcp_bind(c_hdbc2, (BYTE *) h_data, 0, H_DATA_LEN, NULL, 0, 0, 8);
    if (rc != SUCCEEDED)
        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 != SUCCEEDED)
        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;
    short                 w_id;

    short                 d_id;

    DWORD                 dwThreadId[MAX_ORDER_THREADS];
    HANDLE                 hThread[MAX_ORDER_THREADS];
    char                   name[20];
    char                   rc;
    char                   bcphint[128];

    // seed with unique number
    seed(6);

```

```

printf("Loading orders...\n");

// if build index before load...
if ((aptr->build_index == 1) && (aptr->index_order == 1))
{
    BuildIndex("idxordcl");
    BuildIndex("idxnodcl");
    BuildIndex("idxodlcl");
}

// initialize bulk copy
sprintf(name, "%s.%s", aptr->database, "orders");

rc = bcp_init(o_hdbc1, name, NULL, "logs\\orders.err", 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", (aptr->num_warehouses * 30000));
    rc = bcp_control(o_hdbc1, BCPHINTS, (int) bcphint);
    if (rc != SUCCEEDED)
        HandleErrorDBC(o_hdbc1);
}

sprintf(name, "%s.%s", aptr->database, "new_order");

rc = bcp_init(o_hdbc2, name, NULL, "logs\\neword.err", 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", (aptr->num_warehouses * 9000));
    rc = bcp_control(o_hdbc2, BCPHINTS, (int) bcphint);
    if (rc != SUCCEEDED)
        HandleErrorDBC(o_hdbc2);
}

sprintf(name, "%s.%s", aptr->database, "order_line");

rc = bcp_init(o_hdbc3, name, NULL, "logs\\ordline.err", 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", (aptr->num_warehouses * 300000));
    rc = bcp_control(o_hdbc3, BCPHINTS, (int) 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);

w_id++) for (w_id = (short)aptr->starting_warehouse; w_id <= aptr->num_warehouses;
{
    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_DIST+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_DIST);

    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 12:00:00.000");
        }
    }
}

//=====
//
// Function   : LoadOrdersTable
//
//=====

void LoadOrdersTable(LOADER_TIME_STRUCT *orders_time_start)
{
    int    i;
    long   o_id;
    short  o_d_id;
    short  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 != SUCCEEDED)
    HandleErrorDBC(o_hdbc1);

rc = bcp_bind(o_hdbc1, (BYTE *) &o_d_id, 0, SQL_VARLEN_DATA, NULL, 0, SQLINT2,
2);
if (rc != SUCCEEDED)
    HandleErrorDBC(o_hdbc1);

rc = bcp_bind(o_hdbc1, (BYTE *) &o_w_id, 0, SQL_VARLEN_DATA, NULL, 0, SQLINT2,
3);
if (rc != SUCCEEDED)
    HandleErrorDBC(o_hdbc1);

rc = bcp_bind(o_hdbc1, (BYTE *) &o_c_id, 0, SQL_VARLEN_DATA, NULL, 0, SQLINT4,
4);
if (rc != SUCCEEDED)
    HandleErrorDBC(o_hdbc1);

rc = bcp_bind(o_hdbc1, (BYTE *) &o_entry_d, 0, O_ENTRY_D_LEN, NULL, 0,
SQLCHARACTER, 5);
if (rc != SUCCEEDED)
    HandleErrorDBC(o_hdbc1);

rc = bcp_bind(o_hdbc1, (BYTE *) &o_carrier_id, 0, SQL_VARLEN_DATA, NULL, 0,
SQLINT2, 6);
if (rc != SUCCEEDED)
    HandleErrorDBC(o_hdbc1);

rc = bcp_bind(o_hdbc1, (BYTE *) &o_ol_cnt, 0, SQL_VARLEN_DATA, NULL, 0, SQLINT2,
7);
if (rc != SUCCEEDED)
    HandleErrorDBC(o_hdbc1);

rc = bcp_bind(o_hdbc1, (BYTE *) &o_all_local, 0, SQL_VARLEN_DATA, NULL, 0,
SQLINT2, 8);
if (rc != SUCCEEDED)
    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 != SUCCEEDED)
        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;
    short    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, SQLINT2,
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("idxnodcl");
    }
}

//=====
//
// Function   : LoadOrderLineTable
//
//=====

void LoadOrderLineTable(LOADER_TIME_STRUCT *order_line_time_start)
{
    int     i,j;
    long    o_id;
    short   o_d_id;
    short   o_w_id;

    long    ol;
    long    ol_i_id;
    short   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, SQLINT2,
3);
    if (rc != SUCCEEDED)
        HandleErrorDBC(o_hdbc3);

    rc = bcp_bind(o_hdbc3, (BYTE *) &ol, 0, SQL_VARLEN_DATA, NULL, 0, SQLINT4, 4);
    if (rc != SUCCEEDED)
        HandleErrorDBC(o_hdbc3);

    rc = bcp_bind(o_hdbc3, (BYTE *) &ol_i_id, 0, SQL_VARLEN_DATA, NULL, 0, SQLINT4,
5);
    if (rc != SUCCEEDED)
        HandleErrorDBC(o_hdbc3);

    rc = bcp_bind(o_hdbc3, (BYTE *) &ol_supply_w_id, 0, SQL_VARLEN_DATA, NULL, 0,
SQLINT2, 6);
    if (rc != SUCCEEDED)
        HandleErrorDBC(o_hdbc3);

    rc = bcp_bind(o_hdbc3, (BYTE *) &ol_delivery_d, 0, OL_DELIVERY_D_LEN,
NULL, 0, SQLCHARACTER, 7);
    if (rc != SUCCEEDED)
        HandleErrorDBC(o_hdbc3);

    rc = bcp_bind(o_hdbc3, (BYTE *) &ol_quantity, 0, SQL_VARLEN_DATA, NULL, 0,
SQLINT2, 8);
    if (rc != SUCCEEDED)
        HandleErrorDBC(o_hdbc3);

    rc = bcp_bind(o_hdbc3, (BYTE *) &ol_amount, 0, SQL_VARLEN_DATA, NULL, 0,
SQLFLT8, 9);
    if (rc != SUCCEEDED)
        HandleErrorDBC(o_hdbc3);

    rc = bcp_bind(o_hdbc3, (BYTE *) ol_dist_info, 0, DIST_INFO_LEN, NULL, 0, 0, 10);
    if (rc != SUCCEEDED)
        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 != SUCCEEDED)
                    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("idxodlcl");

        }

    }

//=====
//
// 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,
                    int 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 != SUCCEED)
    HandleErrorDBC(o_hdbc3);

rc = SQLDriverConnect ( o_hdbc3,

NULL,

(SQLCHAR*)&szDriverString[0] ,

SQL_NTS,

(SQLCHAR*)&szDriverStringOut[0],

sizeof(szDriverStringOut),

&cbDriverStringOut,

SQL_DRIVER_NOPROMPT );
if (rc != SUCCEED)
    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 > logs\\%s.log",
        aptr->server,
        aptr->user,
        aptr->password,
        aptr->index_script_path,
        index_script,
        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);

        fp1 = fopen("logs\\tpccldr.err","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;
}

```

---

## TIME.C

---

```

//      File:             TIME.C
//
//      Microsoft TPC-C Kit Ver. 4.00
//      Copyright Microsoft, 1996, 1997, 1998
//      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. 4.00
//      Copyright Microsoft, 1996, 1997, 1998
//      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;
    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++)
        str[i] = chArray[RandomNumber(0, chArrayMax)];
    if ( len < z )
        memset(str+len, ' ', z - len);
    str[len] = 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. 4.00
//               Copyright Microsoft, 1996, 1997, 1998
// 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("[%ld]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("[%ld]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("[%ld]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

    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;
}



---


GETARGS.C


---


// File: GETARGS.C
// Microsoft TPC-C Kit Ver. 4.00
// Copyright Microsoft, 1996, 1997, 1998
// Purpose: Source file for command line processing

// Includes
#include "tpcc.h"

```

```

//=====
//
// Function name: GetArgsLoader
//
//=====

void GetArgsLoader(int argc, char **argv, TPCCLDR_ARGS *pargs)
{
    int          i;
    char *ptr;

#ifdef DEBUG
    printf("[%ld]DBG: Entering GetArgsLoader()\n", (int) GetCurrentThreadId());
#endif

    /* init args struct with some useful values */
    pargs->server      = SERVER;
    pargs->user        = USER;
    pargs->password    = PASSWORD;
    pargs->database    = DATABASE;
    pargs->batch       = BATCH;
    pargs->num_warehouses = UNDEF;
    pargs->tables_all  = TRUE;
    pargs->table_item  = FALSE;
    pargs->table_warehouse = FALSE;
    pargs->table_customer = FALSE;
    pargs->table_orders  = FALSE;
    pargs->loader_res_file = LOADER_RES_FILE;
    pargs->pack_size     = DEFPLDPACKSIZE;
    pargs->starting_warehouse = DEF_STARTING_WAREHOUSE;
    pargs->build_index  = BUILD_INDEX;
    pargs->index_order  = INDEX_ORDER;
    pargs->index_script_path = INDEX_SCRIPT_PATH;
    pargs->scale_down   = SCALE_DOWN;

    /* check for zero command line args */
    if ( argc == 1 )
        GetArgsLoaderUsage();

    for (i = 1; i < argc; ++i)
    {
        if (argv[i][0] != '-' && argv[i][0] != '/')
        {
            printf("\nUnrecognized command");
            GetArgsLoaderUsage();
            exit(1);
        }

        ptr = argv[i];

        switch (ptr[1])
        {
            case 'h': /* Fall through */
            case 'H':
                GetArgsLoaderUsage();
                break;

            case 'D':
                pargs->database = ptr+2;
                break;

            case 'P':
                pargs->password = ptr+2;

```

```

                break;

            case 'S':
                pargs->server = ptr+2;
                break;

            case 'U':
                pargs->user = ptr+2;
                break;

            case 'b':
                pargs->batch = atol(ptr+2);
                break;

            case 'W':
                pargs->num_warehouses = atol(ptr+2);
                break;

            case 's':
                pargs->starting_warehouse = atol(ptr+2);
                break;

            case 't':
                {
                    pargs->tables_all = FALSE;
                    if (strcmp(ptr+2,"item") == 0)
                        pargs->table_item =
TRUE;
                    else if (strcmp(ptr+2,"warehouse")
== 0)
                        pargs->table_warehouse =
TRUE;
                    else if (strcmp(ptr+2,"customer")
== 0)
                        pargs->table_customer =
TRUE;
                    else if (strcmp(ptr+2,"orders") ==
0)
                        pargs->table_orders =
TRUE;
                    else
                    {
                        printf("\nUnrecognized command");
                        GetArgsLoaderUsage();
                        exit(1);
                    }
                    break;
                }

            case 'f':
                pargs->loader_res_file = ptr+2;
                break;

            case 'p':
                pargs->pack_size = atol(ptr+2);
                break;

            case 'i':
                pargs->build_index = atol(ptr+2);
                break;

            case 'o':

```



```

                pargs->index_order = atol(ptr+2);
                break;
            case 'c':
                pargs->scale_down = atol(ptr+2);
                break;
            case 'd':
                pargs->index_script_path = ptr+2;
                break;
            default:
                GetArgsLoaderUsage();
                exit(-1);
                break;
        }
    }

    /* check for required args */
    if (pargs->num_warehouses == UNDEF )
    {
        printf("Number of Warehouses is required\n");
        exit(-2);
    }

    return;
}

//=====
//
// Function name: GetArgsLoaderUsage
//
//=====

void GetArgsLoaderUsage()
{
#ifdef DEBUG
    printf("[%ld]DBG: Entering GetArgsLoaderUsage()\n", (int) GetCurrentThreadId());
#endif

    printf("TPCCLDR:\n\n");
    printf("Parameter                                     Default\n");
    printf("-----\n");
    printf("-W Number of Warehouses to Load                Required\n");
    printf("-S Server                                         %s\n", SERVER);
    printf("-U Username                                       %s\n", USER);
    printf("-P Password                                       %s\n", PASSWORD);
    printf("-D Database                                       %s\n", DATABASE);
    printf("-b Batch Size                                     %ld\n",
(long) BATCH);
    printf("-p TDS packet size                               %ld\n",
(long) DEF_LDPACKSIZE);
    printf("-f Loader Results Output Filename               %s\n",
LOADER_RES_FILE);
    printf("-s Starting Warehouse                           %ld\n",
(long) DEF_STARTING_WAREHOUSE);
    printf("-i Build Option (data = 0, data and index = 1) %ld\n",
(long) BUILD_INDEX);

```

```

        printf("-o Cluster Index Build Order (before = 1, after = 0) %ld\n",
(long) INDEX_ORDER);
        printf("-c Build Scaled Database (normal = 0, tiny = 1) %ld\n",
(long) SCALE_DOWN);
        printf("-d Index Script Path %s\n",
INDEX_SCRIPT_PATH);
        printf("-t Table to Load all tables\n");
    }
    printf(" [item|warehouse|customer|orders]\n");
    printf(" Notes: \n");
    printf(" - the '-t' parameter may be included multiple times to \n");
    printf(" specify multiple tables to be loaded \n");
    printf(" - 'item' loads ITEM table \n");
    printf(" - 'warehouse' loads WAREHOUSE, DISTRICT, and STOCK tables \n");
    printf(" - 'customer' loads CUSTOMER and HISTORY tables \n");
    printf(" - 'orders' load NEW-ORDER, ORDERS, ORDER-LINE tables \n");

    printf("\nNote: Command line switches are case sensitive.\n");

    exit(0);
}

```

## Appendix C: Tunable Parameters

### Microsoft SQL Server 7.0 SP2 Startup Parameters

```
C:\MSSQL7\BINN\SQLSERV  
-eC:\MSSQL7\LOG\ERRORLOG -x -c -t3502
```

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

### Microsoft Windows NT 4.0 Enterprise Edition Configuration Parameters

No services were disabled in the Windows NT Control Panel/Services on the Server systems.

Set Control Panel -> System -> Performance -> Forground Application Boost to Maximum

Set Control Panel -> Network -> Services -> Server -> Maximize Throughput For Network Applications

### Microsoft Windows 2000 Configuration Parameters

No services were disabled in the Windows 2000 Control Panel/Services on the Client systems.

### Boot.ini Parameters

4GB Tuning was enabled for Windows NT Server 4.0, Enterprise Edition by setting the "/3GB" switch in the boot.ini file as documented in the "Windows NT Server, Enterprise Edition Administrator's Guide and

### 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](http://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 NT 4.0 (CPQSMRT2.SYS). This driver will be available on the Compaq Computer Corporation World Wide Web site ([www.compaq.com](http://www.compaq.com)) by August 16, 1999.

### Microsoft SQL Server 7.0 SP2 Configuration Parameters

name	minimum	maximum	config_value	run_value
affinity mask	0	2147483647	255	255
allow updates	0	1	0	0
cost threshold for parallelism	0	32767	5	5
cursor threshold	-1	2147483647	-1	-1
default language	0	9999	0	0
default sortorder id	0	255	50	50
extended memory size (MB)	0	2147483647	0	0
fill factor (%)	0	100	0	0
index create memory (KB)	704	1600000	0	0
language in cache	3	100	3	3
language neutral full-text	0	1	0	0
lightweight pooling	0	1	1	1
locks	5000	2147483647	0	0
max async IO	1	255	255	255
max degree of parallelism	0	32	1	1
max server memory (MB)	4	2147483647	3000	3000

```

max text repl size (B)
0 2147483647 65536 65536
max worker threads
10 1024 420 420
media retention
0 365 0 0
min memory per query (KB)
512 2147483647 512 512
min server memory (MB)
0 2147483647 3000 3000
nested triggers
0 1 1 1
network packet size (B)
512 65535 4096 4096
open objects
0 2147483647 0 0
priority boost
0 1 1 1
query governor cost limit
0 2147483647 0 0
query wait (s)
-1 2147483647 -1 -1
recovery interval (min)
0 32767 32767 32767
remote access
0 1 0 0
remote login timeout (s)
0 2147483647 5 5
remote proc trans
0 1 0 0
remote query timeout (s)
0 2147483647 0 0
resource timeout (s)
5 2147483647 10 10
scan for startup procs
0 1 0 0
set working set size
0 1 1 1
show advanced options
0 1 1 1
spin counter
1 2147483647 10000 10000
time slice (ms)
50 1000 200 200
two digit year cutoff
1753 9999 2049 2049
Unicode comparison style
0 2147483647 0 0
Unicode locale id
0 2147483647 33280 33280
user connections
0 32767 0 0
user options
0 4095 0 0

```

## Internet Information Server Registry Parameters

REGEDIT4

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\InetInfo]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\InetInfo\Parameters]
"ListenBackLog"=dword:00001f40
"DispatchEntries"=hex(7):4c,44,41,50,53,56,43,00,53,4d,54,50,53,56,43,00,4e,4e,\
54,50,53,56,43,00,00
"PoolThreadLimit"=dword:00000258
"ThreadTimeout"=dword:00200000
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\InetInfo\Performance]
"Library"="infoctrs.dll"
"Open"="OpenINFOPerformanceData"
"Close"="CloseINFOPerformanceData"
"Collect"="CollectINFOPerformanceData"
"Last Counter"=dword:00000818
"Last Help"=dword:00000819
"First Counter"=dword:000007d8
"First Help"=dword:000007d9
```

## Benchcraft Profile

```
Profile: wow3240
File Path: C:\benchcrf\wow3240.pro
Version: 1.0.1
```

Number of Engines: 20

```
Name: R10P0D1
Description: R10 Proc 0 Driver 1
Directory: d:\r10p0d1.log
Machine: R10
Parameter Set: ~Default
Index: 1600000000
Seed: 60170
Configured Users: 1620
Pipe Name: DRIVER1756170218
Connect Rate: 200
Start Rate: 0
CLIENT_NURAND: 233
CPU: 0
```

```
Name: R10P1D1
Description: R10 Proc 1 Driver 1
Directory: d:\r10p1d1.log
Machine: R10
Parameter Set: ~Default
Index: 1700000000
Seed: 60170
Configured Users: 1620
Pipe Name: DRIVER1856385281
Connect Rate: 200
Start Rate: 0
CLIENT_NURAND: 233
CPU: 1
```

```
Name: R11P0D1
Description: R11 Proc 0 Driver 1
Directory: e:\r11p0d1.log
```

```
Machine: R11
Parameter Set: ~Default
Index: 1800000000
Seed: 60170
Configured Users: 1620
Pipe Name: DRIVER1956498281
Connect Rate: 200
Start Rate: 0
CLIENT_NURAND: 233
CPU: 0
```

```
Name: R11P1D1
Description: R11 Proc 1 Driver 1
Directory: e:\r11p1d1.log
Machine: R11
Parameter Set: ~Default
Index: 1900000000
Seed: 60170
Configured Users: 1620
Pipe Name: DRIVER2056588078
Connect Rate: 200
Start Rate: 0
CLIENT_NURAND: 233
CPU: 1
```

```
Name: R2P0D1
Description: R2 Proc 0 Driver 1
Directory: e:\r2p0d1.log
Machine: R2
Parameter Set: ~Default
Index: 0
Seed: 60170
Configured Users: 1620
Pipe Name: DRIVER154147125
Connect Rate: 200
Start Rate: 0
CLIENT_NURAND: 233
CPU: 0
```

```
Name: R2P1D1
Description: R2 Proc 1 Driver 1
Directory: e:\r2p1d1.log
Machine: R2
Parameter Set: ~Default
Index: 1000000000
Seed: 60170
Configured Users: 1620
Pipe Name: DRIVER254360890
Connect Rate: 200
Start Rate: 0
CLIENT_NURAND: 233
CPU: 1
```

```
Name: R3P0D1
Description: R3 Proc 0 Driver 1
Directory: e:\r3p0d1.log
Machine: R3
Parameter Set: ~Default
Index: 2000000000
Seed: 60170
Configured Users: 1620
Pipe Name: DRIVER354748359
Connect Rate: 200
```

Start Rate: 0  
 CLIENT\_NURAND: 233  
 CPU: 0

Name: R3P1D1  
 Description: R3 Proc 1 Driver 1  
 Directory: e:\r3p1dl.log  
 Machine: R3  
 Parameter Set: ~Default  
 Index: 300000000  
 Seed: 60170  
 Configured Users: 1620  
 Pipe Name: DRIVER454843765  
 Connect Rate: 200  
 Start Rate: 0  
 CLIENT\_NURAND: 233  
 CPU: 1

Name: R4P0D1  
 Description: R4 Proc 0 Driver 1  
 Directory: e:\r4p0dl.log  
 Machine: R4  
 Parameter Set: ~Default  
 Index: 400000000  
 Seed: 60170  
 Configured Users: 1620  
 Pipe Name: DRIVER554934828  
 Connect Rate: 200  
 Start Rate: 0  
 CLIENT\_NURAND: 233  
 CPU: 0

Name: R4P1D1  
 Description: R4 Proc 1 Driver 1  
 Directory: c:\r4p1dl.log  
 Machine: R4  
 Parameter Set: ~Default  
 Index: 500000000  
 Seed: 60170  
 Configured Users: 1620  
 Pipe Name: DRIVER655096656  
 Connect Rate: 200  
 Start Rate: 0  
 CLIENT\_NURAND: 233  
 CPU: 1

Name: R5P0D1  
 Description: R5 Proc 0 Driver 1  
 Directory: c:\r5p0dl.log  
 Machine: R5  
 Parameter Set: ~Default  
 Index: 600000000  
 Seed: 60170  
 Configured Users: 1620  
 Pipe Name: DRIVER755208406  
 Connect Rate: 200  
 Start Rate: 0  
 CLIENT\_NURAND: 233  
 CPU: 0

Name: R5P1D1  
 Description: R5 Proc 1 Driver 1  
 Directory: e:\r5p1dl.log

Machine: R5  
 Parameter Set: ~Default  
 Index: 700000000  
 Seed: 60170  
 Configured Users: 1620  
 Pipe Name: DRIVER855293750  
 Connect Rate: 200  
 Start Rate: 0  
 CLIENT\_NURAND: 233  
 CPU: 1

Name: R6P0D1  
 Description: R6 Proc 0 Driver 1  
 Directory: e:\r6p0dl.log  
 Machine: R6  
 Parameter Set: ~Default  
 Index: 800000000  
 Seed: 60170  
 Configured Users: 1620  
 Pipe Name: DRIVER955397796  
 Connect Rate: 200  
 Start Rate: 0  
 CLIENT\_NURAND: 233  
 CPU: 0

Name: R6P1D1  
 Description: R6 Proc 1 Driver 1  
 Directory: e:\r6p1dl  
 Machine: R6  
 Parameter Set: ~Default  
 Index: 900000000  
 Seed: 60170  
 Configured Users: 1620  
 Pipe Name: DRIVER1055476296  
 Connect Rate: 200  
 Start Rate: 0  
 CLIENT\_NURAND: 233  
 CPU: 1

Name: R7P0D1  
 Description: R7 Proc 0 Driver 1  
 Directory: c:\r7p0dl.log  
 Machine: R7  
 Parameter Set: ~Default  
 Index: 1000000000  
 Seed: 60170  
 Configured Users: 1620  
 Pipe Name: DRIVER1155596796  
 Connect Rate: 200  
 Start Rate: 0  
 CLIENT\_NURAND: 233  
 CPU: 0

Name: R7P1D1  
 Description: R7 Proc 1 Driver 1  
 Directory: c:\r7p1dl.log  
 Machine: R7  
 Parameter Set: ~Default  
 Index: 1100000000  
 Seed: 60170  
 Configured Users: 1620  
 Pipe Name: DRIVER1255703656  
 Connect Rate: 200

Start Rate: 0  
 CLIENT\_NURAND: 233  
 CPU: 1

Name: R8P0D1  
 Description: R8 Proc 0 Driver 1  
 Directory: c:\r8p0dl.log  
 Machine: R8  
 Parameter Set: ~Default  
 Index: 1200000000  
 Seed: 60170  
 Configured Users: 1620  
 Pipe Name: DRIVER1355786531  
 Connect Rate: 200  
 Start Rate: 0  
 CLIENT\_NURAND: 233  
 CPU: 0

Name: R8P1D1  
 Description: R8 Proc 1 Driver 1  
 Directory: c:\r8p1dl.log  
 Machine: R8  
 Parameter Set: ~Default  
 Index: 1300000000  
 Seed: 60170  
 Configured Users: 1620  
 Pipe Name: DRIVER1455889781  
 Connect Rate: 200  
 Start Rate: 0  
 CLIENT\_NURAND: 233  
 CPU: 1

Name: R9P0D1  
 Description: R9 Proc 0 Driver 1  
 Directory: e:\r9p0dl.log  
 Machine: R9  
 Parameter Set: ~Default  
 Index: 1400000000  
 Seed: 60170  
 Configured Users: 1620  
 Pipe Name: DRIVER1555999046  
 Connect Rate: 200  
 Start Rate: 0  
 CLIENT\_NURAND: 233  
 CPU: 0

Name: R9P1D1  
 Description: R9 Proc 1 Driver 1  
 Directory: e:\r9p1dl.log  
 Machine: R9  
 Parameter Set: ~Default  
 Index: 1500000000  
 Seed: 60170  
 Configured Users: 1620  
 Pipe Name: DRIVER1656083468  
 Connect Rate: 200  
 Start Rate: 0  
 CLIENT\_NURAND: 233  
 CPU: 1

Number of User groups: 20  
 Driver Engine: R2P0D1

IIS Server: CLIENT1  
SQL Server: wow\_ip  
User: sa  
Protocol: Html  
w\_id Range: 1 - 162  
w\_id Max Warehouse: 3240  
Scale: Normal  
User Count: 1620  
District id: 1  
Scale Down: No

Driver Engine: R2P1D1  
IIS Server: CLIENT1  
SQL Server: wow\_ip  
User: sa  
Protocol: Html  
w\_id Range: 163 - 324  
w\_id Max Warehouse: 3240  
Scale: Normal  
User Count: 1620  
District id: 1  
Scale Down: No

Driver Engine: R11P0D1  
IIS Server: CLIENT5  
SQL Server: wow\_ip  
User: sa  
Protocol: Html  
w\_id Range: 2917 - 3078  
w\_id Max Warehouse: 3240  
Scale: Normal  
User Count: 1620  
District id: 1  
Scale Down: No

Driver Engine: R3P1D1  
IIS Server: CLIENT1  
SQL Server: wow\_ip  
User: sa  
Protocol: Html  
w\_id Range: 487 - 648  
w\_id Max Warehouse: 3240  
Scale: Normal  
User Count: 1620  
District id: 1  
Scale Down: No

Driver Engine: R11P1D1  
IIS Server: CLIENT5  
SQL Server: wow\_ip  
User: sa  
Protocol: Html  
w\_id Range: 3079 - 3240  
w\_id Max Warehouse: 3240  
Scale: Normal  
User Count: 1620  
District id: 1  
Scale Down: No

Driver Engine: R3P0D1  
IIS Server: CLIENT1  
SQL Server: wow\_ip  
User: sa

Protocol: Html  
w\_id Range: 325 - 486  
w\_id Max Warehouse: 3240  
Scale: Normal  
User Count: 1620  
District id: 1  
Scale Down: No

Driver Engine: R5P0D1  
IIS Server: CLIENT2  
SQL Server: wow\_ip  
User: sa  
Protocol: Html  
w\_id Range: 973 - 1134  
w\_id Max Warehouse: 3240  
Scale: Normal  
User Count: 1620  
District id: 1  
Scale Down: No

Driver Engine: R4P0D1  
IIS Server: CLIENT2  
SQL Server: wow\_ip  
User: sa  
Protocol: Html  
w\_id Range: 649 - 810  
w\_id Max Warehouse: 3240  
Scale: Normal  
User Count: 1620  
District id: 1  
Scale Down: No

Driver Engine: R4P1D1  
IIS Server: CLIENT2  
SQL Server: wow\_ip  
User: sa  
Protocol: Html  
w\_id Range: 811 - 972  
w\_id Max Warehouse: 3240  
Scale: Normal  
User Count: 1620  
District id: 1  
Scale Down: No

Driver Engine: R6P1D1  
IIS Server: CLIENT3  
SQL Server: wow\_ip  
User: sa  
Protocol: Html  
w\_id Range: 1459 - 1620  
w\_id Max Warehouse: 3240  
Scale: Normal  
User Count: 1620  
District id: 1  
Scale Down: No

Driver Engine: R5P1D1  
IIS Server: CLIENT2  
SQL Server: wow\_ip  
User: sa  
Protocol: Html  
w\_id Range: 1135 - 1296  
w\_id Max Warehouse: 3240

Scale: Normal  
User Count: 1620  
District id: 1  
Scale Down: No

Driver Engine: R7P1D1  
IIS Server: CLIENT3  
SQL Server: wow\_ip  
User: sa  
Protocol: Html  
w\_id Range: 1783 - 1944  
w\_id Max Warehouse: 3240  
Scale: Normal  
User Count: 1620  
District id: 1  
Scale Down: No

Driver Engine: R6P0D1  
IIS Server: CLIENT3  
SQL Server: wow\_ip  
User: sa  
Protocol: Html  
w\_id Range: 1297 - 1458  
w\_id Max Warehouse: 3240  
Scale: Normal  
User Count: 1620  
District id: 1  
Scale Down: No

Driver Engine: R7P0D1  
IIS Server: CLIENT3  
SQL Server: wow\_ip  
User: sa  
Protocol: Html  
w\_id Range: 1621 - 1782  
w\_id Max Warehouse: 3240  
Scale: Normal  
User Count: 1620  
District id: 1  
Scale Down: No

Driver Engine: R9P0D1  
IIS Server: CLIENT4  
SQL Server: wow\_ip  
User: sa  
Protocol: Html  
w\_id Range: 2269 - 2430  
w\_id Max Warehouse: 3240  
Scale: Normal  
User Count: 1620  
District id: 1  
Scale Down: No

Driver Engine: R8P0D1  
IIS Server: CLIENT4  
SQL Server: wow\_ip  
User: sa  
Protocol: Html  
w\_id Range: 1945 - 2106  
w\_id Max Warehouse: 3240  
Scale: Normal  
User Count: 1620  
District id: 1

Scale Down: No  
 Driver Engine: R8P1D1  
 IIS Server: CLIENT4  
 SQL Server: wow\_ip  
 User: sa  
 Protocol: Html  
 w\_id Range: 2107 - 2268  
 w\_id Max Warehouse: 3240  
 Scale: Normal  
 User Count: 1620  
 District id: 1  
 Scale Down: No

Driver Engine: R10P1D1  
 IIS Server: CLIENT5  
 SQL Server: wow\_ip  
 User: sa  
 Protocol: Html  
 w\_id Range: 2755 - 2916  
 w\_id Max Warehouse: 3240  
 Scale: Normal  
 User Count: 1620  
 District id: 1  
 Scale Down: No

Driver Engine: R9P1D1  
 IIS Server: CLIENT4  
 SQL Server: wow\_ip  
 User: sa  
 Protocol: Html  
 w\_id Range: 2431 - 2592  
 w\_id Max Warehouse: 3240  
 Scale: Normal  
 User Count: 1620  
 District id: 1  
 Scale Down: No

Driver Engine: R10P0D1  
 IIS Server: CLIENT5  
 SQL Server: wow\_ip  
 User: sa  
 Protocol: Html  
 w\_id Range: 2593 - 2754  
 w\_id Max Warehouse: 3240  
 Scale: Normal  
 User Count: 1620  
 District id: 1  
 Scale Down: No

Number of Parameter Sets: 12

1.01

Key	RT	RT	Menu	Txn	Think
Time	Delay	Fence	Delay	Weight	Time
			New Order	44.78	
12.12	18.01		0.10	5.00	0.10
			Payment	43.05	
12.12	3.01		0.10	5.00	0.10

			Delivery	4.05	
5.05	2.01		0.10	5.00	0.10
			Stock Level	4.07	
5.05	2.01		0.10	20.00	0.10
			Order Status	4.05	
10.10	2.01		0.10	5.00	0.10

1.02

Key	RT	RT	Menu	Txn	Think
Time	Delay	Fence	Delay	Weight	Time
			New Order	44.78	
12.24	18.01		0.10	5.00	0.10
			Payment	43.05	
12.24	3.01		0.10	5.00	0.10
			Delivery	4.05	
5.10	2.01		0.10	5.00	0.10
			Stock Level	4.07	
5.10	2.01		0.10	20.00	0.10
			Order Status	4.05	
10.20	2.01		0.10	5.00	0.10

1.04

Key	RT	RT	Menu	Txn	Think
Time	Delay	Fence	Delay	Weight	Time
			New Order	44.78	
12.48	18.01		0.10	5.00	0.10
			Payment	43.05	
12.48	3.01		0.10	5.00	0.10
			Delivery	4.05	
5.20	2.01		0.10	5.00	0.10
			Stock Level	4.07	
5.20	2.01		0.10	20.00	0.10
			Order Status	4.05	
10.40	2.01		0.10	5.00	0.10

1.06

Key	RT	RT	Menu	Txn	Think
Time	Delay	Fence	Delay	Weight	Time
			New Order	44.78	
12.72	18.01		0.10	5.00	0.10
			Payment	43.05	
12.72	3.01		0.10	5.00	0.10
			Delivery	4.05	
5.30	2.01		0.10	5.00	0.10
			Stock Level	4.07	
5.30	2.01		0.10	20.00	0.10
			Order Status	4.05	
10.60	2.01		0.10	5.00	0.10

1.08

Key	RT	RT	Menu	Txn	Think
-----	----	----	------	-----	-------

Time	Delay	Fence	Delay	Weight	Time
			New Order	44.78	
12.96	18.01		0.10	5.00	0.10
			Payment	43.05	
12.96	3.01		0.10	5.00	0.10
			Delivery	4.05	
5.40	2.01		0.10	5.00	0.10
			Stock Level	4.07	
5.40	2.01		0.10	20.00	0.10
			Order Status	4.05	
10.80	2.01		0.10	5.00	0.10

1.1

Key	RT	RT	Menu	Txn	Think
Time	Delay	Fence	Delay	Weight	Time
			New Order	44.78	
13.20	18.01		0.10	5.00	0.10
			Payment	43.05	
13.20	3.01		0.10	5.00	0.10
			Delivery	4.05	
5.50	2.01		0.10	5.00	0.10
			Stock Level	4.07	
5.50	2.01		0.10	20.00	0.10
			Order Status	4.05	
11.00	2.01		0.10	5.00	0.10

1.2

Key	RT	RT	Menu	Txn	Think
Time	Delay	Fence	Delay	Weight	Time
			New Order	44.78	
14.40	18.01		0.10	5.00	0.10
			Payment	43.05	
14.40	3.01		0.10	5.00	0.10
			Delivery	4.05	
6.00	2.01		0.10	5.00	0.10
			Stock Level	4.07	
6.00	2.01		0.10	20.00	0.10
			Order Status	4.05	
12.00	2.01		0.10	5.00	0.10

1.4

Key	RT	RT	Menu	Txn	Think
Time	Delay	Fence	Delay	Weight	Time
			New Order	44.78	
16.80	18.01		0.10	5.00	0.10
			Payment	43.05	
16.80	3.01		0.10	5.00	0.10
			Delivery	4.05	
7.00	2.01		0.10	5.00	0.10
			Stock Level	4.07	
7.00	2.01		0.10	20.00	0.10
			Order Status	4.05	
14.00	2.01		0.10	5.00	0.10

Key	RT	RT	Menu	Txn	Think
Time	Delay	Fence	Delay	Weight	Time
19.20	18.01		New Order 0.10	5.00	44.78 0.10
19.20	3.01		Payment 0.10	5.00	43.05 0.10
8.00	2.01		Delivery 0.10	5.00	4.05 0.10
8.00	2.01		Stock Level 0.10	20.00	4.07 0.10
16.00	2.01		Order Status 0.10	5.00	4.05 0.10

Key	RT	RT	Menu	Txn	Think
Time	Delay	Fence	Delay	Weight	Time
21.60	18.01		New Order 0.10	5.00	44.78 0.10
21.60	3.01		Payment 0.10	5.00	43.05 0.10
9.00	2.01		Delivery 0.10	5.00	4.05 0.10
9.00	2.01		Stock Level 0.10	20.00	4.07 0.10
18.00	2.01		Order Status 0.10	5.00	4.05 0.10

~Default  
Default Parameter Set

Key	RT	RT	Menu	Txn	Think
Time	Delay	Fence	Delay	Weight	Time
12.05	18.01		New Order 0.10	5.00	10.00 0.10
12.05	3.01		Payment 0.10	5.00	10.00 0.10
5.05	2.01		Delivery 0.10	5.00	1.00 0.10
5.05	2.01		Stock Level 0.10	20.00	1.00 0.10
10.05	2.01		Order Status 0.10	5.00	1.00 0.10

2.0

Key	RT	RT	Menu	Txn	Think
Time	Delay	Fence	Delay	Weight	Time
24.00	18.01		New Order 0.10	5.00	44.78 0.10
24.00	3.01		Payment 0.10	5.00	43.05 0.10

10.00	2.01	Delivery 0.10	5.00	4.05 0.10
10.00	2.01	Stock Level 0.10	20.00	4.07 0.10
20.00	2.01	Order Status 0.10	5.00	4.05 0.10

### World Wide Web Service Registry Parameters

REGEDIT4

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W3SVC]
"Type"=dword:00000020
"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,69,6e,\
```

```
65,74,73,72,76,5c,69,6e,65,74,69,6e,66,6f,2e,65,78,65,00
"DisplayName"="World Wide Web Publishing Service"
"DependOnService"=hex(7):49,49,53,41,44,4d,49,4e,00,00
"DependOnGroup"=hex(7):00
"ObjectName"="LocalSystem"
"Description"="Provides Web connectivity and administration through the Internet Information Services snap-in."
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W3SVC\ASP]
"NOTE"="This is for backward compatibility only."
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W3SVC\ASP\Parameters]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W3SVC\Parameters]
"MajorVersion"=dword:00000005
"MinorVersion"=dword:00000000
"InstallPath"="C:\WINNT\System32\inetrv"
"CertMapList"="C:\WINNT\System32\inetrv\iisrmap.dll"
"AccessDeniedMessage"="Error: Access is Denied."
"AcceptExOutstanding"=dword:00001f40
```

```
[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\W3SVC\Parameters\Script Map]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W3SVC\Parameters\Virtual Roots]
"/"="C:\inetpub\wwwroot,,215"
"/IISAdmin"="C:\WINNT\System32\inetrv\iisadmin,,1"
"/IISSamples"="c:\inetpub\iissamples,,1"
"/MSADC"="c:\program files\common files\system\msadc,,1"
"/IISHelp"="c:\winnt\help\iishelp,,1"
"/Scripts"="c:\inetpub\scripts,,1"
"/Mail"="C:\inetpub\Mail,,1"
"/MailDocs"="C:\WINNT\Help\Mail,,1"
"/News"="C:\inetpub\News,,1"
"/NewsDocs"="C:\WINNT\Help\News,,1"
"/PBServer"="C:\Program Files\Phone Book Service\Bin,,1"
"/PBSDATA"="C:\Program Files\Phone Book Service\Data,,1"
"/Rpc"="C:\WINNT\System32\RpcProxy,,1"
"/Printers"="C:\WINNT\web\printers,,201"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W3SVC\Performance]
"Library"="w3ctrs.dll"
"Open"="OpenW3PerformanceData"
"Close"="CloseW3PerformanceData"
"Collect"="CollectW3PerformanceData"
"Last Counter"=dword:000008c6
"Last Help"=dword:000008c7
"First Counter"=dword:00000826
"First Help"=dword:00000827
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W3SVC\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,00,01,01,00,00,00,00,01,00,00,\
```

```
00,00,02,00,8c,00,05,00,00,00,00,00,18,00,8d,01,02,00,01,01,00,00,00,00,\
```

```
05,0b,00,00,00,54,00,31,00,00,00,1c,00,fd,01,02,00,01,02,00,00,00,00,05,\
```

```
20,00,00,00,23,02,00,00,54,00,00,00,00,00,1c,00,ff,01,0f,00,01,02,00,00,00,\
```

```
00,00,05,20,00,00,00,20,02,00,00,54,00,00,00,00,00,1c,00,ff,01,0f,00,01,02,00,\
```

```
00,00,00,00,00,05,20,00,00,00,25,02,00,00,54,00,00,00,00,00,18,00,fd,01,02,\
```

```
00,01,01,00,00,00,00,00,05,12,00,00,00,25,02,00,00,01,01,00,00,00,00,05,\
```

```
12,00,00,00,01,01,00,00,00,00,00,05,12,00,00,00
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W3SVC\Enum]
"0"="Root\LEGACY_W3SVC\0000"
"Count"=dword:00000001
```

"NextInstance"=dword:00000001

## Server Registry Parameters

REGEDIT4

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control]
"WaitToKillServiceTimeout"="20000"
"CurrentUser"="USERNAME"
"SystemStartOptions"="3GB"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\BootVerificationProgram]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E968-E325-11CE-BF01-08002BE10318}]
@="Display adapters"
"Class"="Display"
"Icon"="-1"
"Installer32"="Desk.Cpl,DisplayClassInstaller"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E968-E325-11CE-BF01-08002BE10318}\0000]
"InfPath"="ati.inf"
"InfSection"="ati"
"ProviderName"="ATI Technologies Inc."
"DriverDesc"="ATI Technologies Inc. 3D RAGE IIC"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E96B-E325-11CE-BF01-08002BE10318}]
@="Keyboard"
"Class"="Keyboard"
"Icon"="-3"
"Installer32"="SysSetup.Dll,KeyboardClassInstaller"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E96B-E325-11CE-BF01-08002BE10318}\0000]
"InfPath"="keyboard.inf"
"InfSection"="STANDARD_Inst"
"ProviderName"="Microsoft"
"DriverDesc"="PC/AT Enhanced Keyboard (101/102-Key)"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E96B-E325-11CE-BF01-08002BE10318}\0001]
"InfPath"="keyboard.inf"
"InfSection"="STANDARD_Inst"
"ProviderName"="Microsoft"
"DriverDesc"="PC/AT Enhanced Keyboard (101/102-Key)"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E96C-E325-11CE-BF01-08002BE10318}]
@="Sound, video and game controllers"
"Class"="MEDIA"
"Icon"="3004"
"Installer32"="MmSys.Cpl,MediaClassInstaller"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E96D-E325-11CE-BF01-08002BE10318}]
@="Modem"
"Class"="Modem"
"Default Service"="Modem"
"Icon"="0"
"Installer32"="Modem.Cpl,ClassInstall32"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E96F-E325-11CE-BF01-08002BE10318}]
@="Mouse"
"Class"="Mouse"
"Icon"="-2"
"Installer32"="SysSetup.Dll,MouseClassInstaller"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E96F-E325-11CE-BF01-08002BE10318}\0000]
"InfPath"="msmouse.inf"
"InfSection"="PS2_Inst"
"ProviderName"="Microsoft"
"DriverDesc"="Microsoft PS/2 Port Mouse"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E96F-E325-11CE-BF01-08002BE10318}\0001]
"InfPath"="msmouse.inf"
"InfSection"="PS2_Inst"
"ProviderName"="Microsoft"
"DriverDesc"="Microsoft PS/2 Port Mouse"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E96F-E325-11CE-BF01-08002BE10318}\0002]
"InfPath"="msmouse.inf"
"InfSection"="PS2_Inst"
"ProviderName"="Microsoft"
"DriverDesc"="Logitech PS/2 Port Mouse"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BF01-08002BE10318}]
@="Network adapters"
"Class"="Net"
"Icon"="-5"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E978-E325-11CE-BF01-08002BE10318}]
@="Ports (COM & LPT)"
"Class"="Ports"
"Installer32"="Ports.Cpl,PortsClassInstaller"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E979-E325-11CE-BF01-08002BE10318}]
@="Printer"
"Class"="Printer"
"Icon"="-4"
"NoDisplayClass"="1"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E97B-E325-11CE-BF01-08002BE10318}]
@="SCSI controllers"
"Class"="SCSIAdapter"
"Icon"="-10"
"Installer32"="SysSetup.Dll,ScsiClassInstaller"
"LegacyInfoOption"="SCSI"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E97B-E325-11CE-BF01-08002BE10318}\0000]
"InfPath"="scsi.inf"
"InfSection"="atapi_Inst"
"ProviderName"="Microsoft"
"DriverDesc"="IDE CD-ROM (ATAPI 1.2)/Dual-channel PCI IDE Controller"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E97B-E325-11CE-BF01-08002BE10318}\0001]
"InfPath"="fastscsi.inf"
"InfSection"="cpq32fs2_Inst"
"ProviderName"="%Cpq%"
"DriverDesc"="Compaq SCSI Controllers"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E97B-E325-11CE-BF01-08002BE10318}\0003]
"InfPath"="oem0.inf"
"InfSection"="CPQSMRT2"
"ProviderName"="Microsoft"
"DriverDesc"="Compaq SMART-2 Array Controllers ECI Driver"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E97E-E325-11CE-BF01-08002BE10318}]
@="Other devices"
"Class"="Unknown"
"Icon"="-18"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{6B807884-7D21-11CF-801C-08002BE10318}]
@="Tape drives"
"Class"="TapeDrive"
"Icon"="1610"
"Installer32"="SysSetup.Dll,TapeClassInstaller"
"LegacyInfoOption"="TAPE"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\ComputerName]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\ComputerName\ComputerName]
"ComputerName"="WOW"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\ComputerName\ActiveComputerName]
"ComputerName"="WOW"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\CrashControl]
"LogEvent"=dword:00000001
"SendAlert"=dword:00000000
"CrashDumpEnabled"=dword:00000000
"AutoReboot"=dword:00000000
"DumpFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,44,4d,45,4d,4f,52,59,2e,44,4d,50,00
"Overwrite"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\FileSystem]
"Win31FileSystem"=dword:00000000
```



```

"NtfsDisable8dot3NameCreation"=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]
"System Bus Extender"=hex:01,00,00,00,01,00,00,00
"SCSI
miniport"=hex:29,00,00,00,00,01,00,00,01,01,00,00,19,
00,00,00,01,00,00,\
00,02,00,00,00,03,00,00,00,04,00,00,00,05,00,00,06,
,00,00,00,07,00,00,00,\
08,00,00,00,09,00,00,00,0a,00,00,00,0b,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,
00,00,00,21,00,00,00,\
24,00,00,00,25,00,00,00,26,00,00,00,21,00,00,00,02,01,
,00,00,22,00,00,00
"Primary
Disk"=hex:04,00,00,00,01,00,00,00,02,00,00,00,03,00,0
0,00,04,00,00,00
"Base"=hex:0e,00,00,00,0e,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
"Keyboard
Port"=hex:02,00,00,00,02,00,00,00,01,00,00,00
"Pointer
Port"=hex:03,00,00,00,01,00,00,00,02,00,00,00,03,00,0
0,00
"Keyboard Class"=hex:01,00,00,00,01,00,00,00
"Pointer Class"=hex:01,00,00,00,01,00,00,00
"Video Init"=hex:01,00,00,00,01,00,00,00
"Video"=hex:01,00,00,00,01,00,00,00
"Video Save"=hex:01,00,00,00,01,00,00,00
"Ndis"=hex:09,00,00,00,01,00,00,00,02,00,00,00,03,00,
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
"Filter"=hex:06,00,00,00,00,01,00,00,00,02,00,00,00,03,0
0,00,00,04,00,00,00,05,00,\
00,00,06,00,00,00
"Parallel arbitrator"=hex:01,00,00,00,01,00,00,00

```

```

"Extended
base"=hex:04,00,00,00,01,00,00,00,02,00,00,00,03,00,0
0,00,04,00,00,\
00
"SpoolerGroup"=hex:02,00,00,00,01,00,00,00,02,00,00,0
0
"SCSI
Class"=hex:03,00,00,00,01,00,00,00,02,00,00,00,03,00,
00,00
"SCSI CDROM
Class"=hex:02,00,00,00,01,00,00,00,02,00,00,00
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
IDConfigDB]
"CurrentConfig"=dword:00000001
"PropertyProviders"=hex(7):70,72,6f,66,65,78,74,2e,64
,6c,6c,00,00
"UserWaitInterval"=dword:0000001e
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
IDConfigDB\Hardware Profiles]
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
IDConfigDB\Hardware Profiles\0001]
"FriendlyName"="Original Configuration"
"PreferenceOrder"=dword:00000000
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Keyboard Layout]
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Keyboard Layout\DosKeyCodes]
"0000080c"="be"
"00000813"="be"
"00000402"="bg"
"00000416"="br"
"00000c0c"="cf"
"00000405"="cz"
"0000041b"="sl"
"00000406"="dk"
"0000040b"="su"
"0000040c"="fr"
"00000408"="gk"
"00010408"="gk"
"00020408"="gk"
"00000407"="gr"
"0000040e"="hu"
"00000410"="it"
"00010410"="it"
"0000080a"="la"
"00000413"="nl"
"00000414"="no"
"00000415"="pl"
"00010415"="pl"
"00000816"="po"
"00000418"="ro"
"0000040a"="sp"
"0001040a"="sp"
"0000041d"="sv"
"0000100c"="sf"
"00000807"="sg"
"0000041f"="tr"
"0001041f"="tr"

```

```

"00000809"="uk"
"00000409"="us"
"0000041a"="yu"
"00000424"="yu"
"00010409"="dy"
"00020409"="us"
"00030409"="usl"
"00040409"="usr"
"00001009"="us"
"00010c0c"="cf"
"0000040e"="is"
"00000419"="ru"
"0000041c"="us"
"00000422"="us"
"00000423"="us"
"00000425"="us"
"00000426"="us"
"00000427"="us"
"00000c1a"="us"
"00001809"="us"
"00010402"="us"
"00010405"="cz"
"00010407"="gr"
"00010419"="ru"
"0001041b"="sl"
"00010426"="us"
"00010c1a"="us"
"00050408"="gk"
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Keyboard Layout\DosKeyIDs]
"0000041f"="179"
"0001041e"="440"
"00000410"="141"
"00010410"="142"
"00010408"="220"
"00020408"="319"
"00010415"="214"
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Keyboard Layouts]
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Keyboard Layouts\00000402]
"Layout Text"="Bulgarian"
"Layout File"="KBDBU.DLL"
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Keyboard Layouts\00000405]
"Layout Text"="Czech"
"Layout File"="KBDCZ.DLL"
[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"="KBDDR.DLL"

```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Keyboard Layouts\00000408]
"Layout Text"="Greek"
"Layout File"="KBDHE.DLL"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Keyboard Layouts\00000409]
"Layout Text"="US"
"Layout File"="KBDUS.DLL"

[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"="KBDFT.DLL"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Keyboard Layouts\0000040C]
"Layout Text"="French"
"Layout File"="KBDFR.DLL"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Keyboard Layouts\0000040E]
"Layout Text"="Hungarian"
"Layout File"="KBDHU.DLL"

[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\00000415]
"Layout Text"="Polish (Programmers)"
"Layout File"="KBDPL1.DLL"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Keyboard Layouts\00000416]
"Layout Text"="Brazilian (ABNT)"
"Layout File"="KBDPR.DLL"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Keyboard Layouts\00000418]
"Layout Text"="Romanian"
```

```
"Layout File"="KBDRO.DLL"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Keyboard Layouts\00000419]
"Layout Text"="Russian"
"Layout File"="KBDRU.DLL"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Keyboard Layouts\0000041a]
"Layout Text"="Croatian"
"Layout File"="KBDRC.DLL"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Keyboard Layouts\0000041B]
"Layout Text"="Slovak"
"Layout File"="KBDSL.DLL"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Keyboard Layouts\0000041C]
"Layout Text"="Albanian"
"Layout File"="KBDAL.DLL"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Keyboard Layouts\0000041D]
"Layout Text"="Swedish"
"Layout File"="KBDSE.DLL"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Keyboard Layouts\0000041F]
"Layout Text"="Turkish Q"
"Layout File"="KBDTUQ.DLL"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Keyboard Layouts\00000422]
"Layout Text"="Ukrainian"
"Layout File"="KBDUR.DLL"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Keyboard Layouts\00000423]
"Layout Text"="Belarusian"
"Layout File"="KBDLRL.DLL"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Keyboard Layouts\00000424]
"Layout Text"="Slovenian"
"Layout File"="KBDRC.DLL"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Keyboard Layouts\00000425]
"Layout Text"="Estonian"
"Layout File"="KBDEST.DLL"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Keyboard Layouts\00000426]
"Layout Text"="Latvian"
"Layout File"="KBDLV.DLL"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Keyboard Layouts\00000427]
"Layout Text"="Lithuanian"
"Layout File"="KBDLT.DLL"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Keyboard Layouts\00000807]
"Layout Text"="Swiss German"
"Layout File"="KBDSE.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"="KBDSE.DLL"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Keyboard Layouts\00000813]
"Layout Text"="Belgian Dutch"
"Layout File"="KBDSE.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"
"Layout File"="KBDSE.DLL"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Keyboard Layouts\00000C1A]
"Layout Text"="Serbian (Cyrillic)"
"Layout File"="KBDYCC.DLL"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Keyboard Layouts\00001009]
"Layout Text"="Canadian English (Multilingual)"
"Layout File"="KBDCA.DLL"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Keyboard Layouts\0000100C]
"Layout Text"="Swiss French"
"Layout File"="KBDSE.DLL"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Keyboard Layouts\00001809]
"Layout Text"="Irish"
"Layout File"="KBDIR.DLL"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Keyboard Layouts\000010402]
"Layout Text"="Bulgarian (Latin)"
"Layout File"="KBDUS.DLL"
"Layout Id"="0004"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Keyboard Layouts\00010405]
```

```

"Layout Text"="Czech (QWERTY)"
"Layout File"="KBDCZ1.DLL"
"Layout Id"="0005"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Keyboard Layouts\00010407]
"Layout Text"="German (IBM)"
"Layout File"="KBDCGR1.DLL"
"Layout Id"="0012"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Keyboard Layouts\00010408]
"Layout Text"="Greek (220)"
"Layout File"="KBDEH220.DLL"
"Layout Id"="0016"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Keyboard Layouts\00010409]
"Layout Text"="US-Dvorak"
"Layout File"="KBDDV.DLL"
"Layout Id"="0002"

[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\0001040E]
"Layout Text"="Hungarian 101-key"
"Layout File"="KBDHU1.DLL"
"Layout Id"="0006"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Keyboard Layouts\00010410]
"Layout Text"="Italian (142)"
"Layout File"="KBDIT142.DLL"
"Layout Id"="0003"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Keyboard Layouts\00010415]
"Layout Text"="Polish (214)"
"Layout File"="KBDPL.DLL"
"Layout Id"="0007"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Keyboard Layouts\00010419]
"Layout Text"="Russian (Typewriter)"
"Layout File"="KBDRU1.DLL"
"Layout Id"="0008"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Keyboard Layouts\0001041B]
"Layout Text"="Slovak (QWERTY)"
"Layout File"="KBDSL1.DLL"
"Layout Id"="0013"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Keyboard Layouts\0001041F]
"Layout Text"="Turkish F"
"Layout File"="KBDTUF.DLL"
"Layout Id"="0014"

```

```

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Keyboard Layouts\00010426]
"Layout Text"="Latvian (QWERTY)"
"Layout File"="KBDLV1.DLL"
"Layout Id"="0015"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Keyboard Layouts\00010C0C]
"Layout Text"="Canadian French (Multilingual)"
"Layout File"="KBDCA.DLL"
"Layout Id"="0085"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Keyboard Layouts\00010C1A]
"Layout Text"="Serbian (Latin)"
"Layout File"="KBDVCL.DLL"
"Layout Id"="0009"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Keyboard Layouts\00011009]
"Layout File"="kbcan.dll"
"Layout Id"="0020"
"Layout Text"="Canadian Standard"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Keyboard Layouts\00020408]
"Layout Text"="Greek (319)"
"Layout File"="KBDHE319.DLL"
"Layout Id"="0018"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Keyboard Layouts\00020409]
"Layout Text"="US-International"
"Layout File"="KBDUSX.DLL"
"Layout Id"="0001"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Keyboard Layouts\00030408]
"Layout Text"="Greek (220) Latin"
"Layout File"="KBDHELA2.DLL"
"Layout Id"="0017"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Keyboard Layouts\00030409]
"Layout Text"="US-Dvorak for left hand"
"Layout File"="KBDUSL.DLL"
"Layout Id"="001A"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Keyboard Layouts\00040408]
"Layout Text"="Greek (319) Latin"
"Layout File"="KBDHELA3.DLL"
"Layout Id"="0011"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Keyboard Layouts\00040409]
"Layout Text"="US-Dvorak for right hand"
"Layout File"="KBDUSR.DLL"
"Layout Id"="001B"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Keyboard Layouts\00050408]

```

```

"Layout Text"="Greek Latin"
"Layout File"="KBGKGL.DLL"
"Layout Id"="0019"

[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
"Notification
Packages"=hex(7):46,50,4e,57,43,4c,4e,54,00,00

[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,7
4,25,5c,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\MSV1_0]
"Auth1"="FPNWCLNT"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
MediaProperties]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
MediaProperties\PrivateProperties]

[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]
"Channels"=dword:0000ffff

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
MediaResources]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
MediaResources\MIDI]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
MediaResources\NonGeneralMIDI\DriverList]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
NetworkProvider]

```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
NetworkProvider\Order]
"ProviderOrder"="LanmanWorkstation"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Nls]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Nls\CodePage]
```

```
"1250"="c_1250.nls"
"1251"="c_1251.nls"
"1252"="c_1252.nls"
"1253"="c_1253.nls"
"1254"="c_1254.nls"
"1255"="c_1255.nls"
"1256"="c_1256.nls"
"1257"="c_1257.nls"
"1258"="c_1258.nls"
"437"="c_437.nls"
"737"=""
"775"=""
"850"="c_850.nls"
"852"=""
"855"=""
"857"=""
"860"=""
"861"=""
"863"=""
"865"=""
"866"=""
"869"=""
"10000"="c_10000.nls"
"10006"=""
"10007"=""
"10029"=""
"10079"=""
"10081"=""
"37"=""
"500"=""
"875"=""
"1026"=""
"20261"="c_20261.nls"
"ACP"="1252"
"OEMCP"="437"
"MACCP"="10000"
"OEMHAL"="vgaoem.fon"
"20866"="c_20866.nls"
"28592"="c_28592.nls"
"28595"="c_28595.nls"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Nls\Language]
```

```
"0409"="l_intl.nls"
"0809"="l_intl.nls"
"0c09"="l_intl.nls"
"1009"="l_intl.nls"
"1409"="l_intl.nls"
"1809"="l_intl.nls"
"1c09"="l_intl.nls"
"2009"="l_intl.nls"
"2409"="l_intl.nls"
"2809"="l_intl.nls"
"2c09"="l_intl.nls"
```

```
"0402"="l_intl.nls"
"0405"="l_intl.nls"
"0406"="l_intl.nls"
"0407"="l_intl.nls"
"0807"="l_intl.nls"
"0c07"="l_intl.nls"
"1007"="l_intl.nls"
"1407"="l_intl.nls"
"0408"="l_intl.nls"
"040a"="l_intl.nls"
"080a"="l_intl.nls"
"0c0a"="l_intl.nls"
"100a"="l_intl.nls"
"140a"="l_intl.nls"
"180a"="l_intl.nls"
"1c0a"="l_intl.nls"
"200a"="l_intl.nls"
"240a"="l_intl.nls"
"280a"="l_intl.nls"
"2c0a"="l_intl.nls"
"300a"="l_intl.nls"
"340a"="l_intl.nls"
"380a"="l_intl.nls"
"3c0a"="l_intl.nls"
"400a"="l_intl.nls"
"440a"="l_intl.nls"
"480a"="l_intl.nls"
"4c0a"="l_intl.nls"
"500a"="l_intl.nls"
"040b"="l_intl.nls"
"040c"="l_intl.nls"
"080c"="l_intl.nls"
"0c0c"="l_intl.nls"
"100c"="l_intl.nls"
"140c"="l_intl.nls"
"040e"="l_intl.nls"
"040f"="l_intl.nls"
"0410"="l_intl.nls"
"0810"="l_intl.nls"
"0413"="l_intl.nls"
"0813"="l_intl.nls"
"0414"="l_intl.nls"
"0814"="l_intl.nls"
"0415"="l_intl.nls"
"0416"="l_intl.nls"
"0816"="l_intl.nls"
"0418"="l_intl.nls"
"0419"="l_intl.nls"
"041a"="l_intl.nls"
"081a"="l_intl.nls"
"0c1a"="l_intl.nls"
"041b"="l_intl.nls"
"041d"="l_intl.nls"
"081d"="l_intl.nls"
"041f"="l_intl.nls"
"0424"="l_intl.nls"
"0436"="l_intl.nls"
"041c"="l_intl.nls"
"042d"="l_intl.nls"
"0423"="l_intl.nls"
"0403"="l_intl.nls"
"0425"="l_intl.nls"
"0438"="l_intl.nls"
```

```
"0421"="l_intl.nls"
"0426"="l_intl.nls"
"0427"="l_intl.nls"
"0422"="l_intl.nls"
"Default"="0409"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Print]
```

```
"MajorVersion"=dword:00000002
"MinorVersion"=dword:00000000
"PriorityClass"=dword:00000000
"PortThreadPriority"=dword:00000000
"SchedularThreadPriority"=dword:00000000
"BeepEnabled"=dword:00000000
"NoRemotePrinterDrivers"="Windows NT Fax Driver"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Print\Environments]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Print\Environments\Windows 4.0]
"Directory"="WIN40"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Print\Environments\Windows 4.0\Drivers]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Print\Environments\Windows 4.0\Print Processors]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Print\Environments\Windows NT Alpha_AXP]
"Directory"="W32ALPHA"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Print\Environments\Windows NT Alpha_AXP\Drivers]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Print\Environments\Windows NT Alpha_AXP\Print
Processors]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Print\Environments\Windows NT PowerPC]
"Directory"="W32PPC"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Print\Environments\Windows NT PowerPC\Drivers]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Print\Environments\Windows NT PowerPC\Print
Processors]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Print\Environments\Windows NT R4000]
"Directory"="W32MIPS"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Print\Environments\Windows NT R4000\Drivers]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Print\Environments\Windows NT R4000\Print Processors]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Print\Environments\Windows NT x86]
```

```

"Directory"="W32X86"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Print\Environments\Windows NT x86\Drivers]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Print\Environments\Windows NT x86\Drivers\Version-2]
"Directory"="2"
"MajorVersion"=dword:00000002
"MinorVersion"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Print\Environments\Windows NT x86\Drivers\Version-
2\HP LaserJet 5Si/5Si MX PS]
"Configuration File"="PSCRIPTUI.DLL"
"Data File"="HPLJ5S11.PPD"
"Driver"="PSCRIPT.DLL"
"Help File"="PSCRIPT.HLP"
"Monitor"=""
"Datatype"=""
"Dependent
Files"=hex(7):48,50,4c,4a,35,53,49,31,2e,50,50,44,00,
50,53,43,52,49,\
50,54,2e,44,4c,4c,00,50,53,43,52,50,54,55,49,2e,44,4c
,4c,00,50,53,43,52,49,\
50,54,2e,48,4c,50,00,00
"Version"=dword:00000002

[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\winprint]
"Driver"="winprint.dll"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Print\Monitors]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Print\Monitors\Local Port]
"Driver"="localmon.dll"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Print\Monitors\PJL Language Monitor]
"Driver"="pjlmon.dll"
"EOJTimeout"=dword:0000ea60

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Print\Printers]
"DefaultSpoolDirectory"="C:\\WINNT\\System32\\spool\\
PRINTERS"

[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,\
00,00
"EventLog"=dword:0000001f
"NetPopup"=dword:00000001
"RetryPopup"=dword:00000001

```

```

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Print\Providers\LanMan Print Services]
"Name"="win32spl.dll"
"DisplayName"="LanMan Print Services"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Print\Providers\LanMan Print Services\Monitors]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Print\Providers\LanMan Print Services\Monitors\LanMan
Print Services Port]
"Driver"="win32spl.dll"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Print\Providers\LanMan Print Services\Servers]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Print\Providers\LanMan Print
Services\Servers\archive]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Print\Providers\LanMan Print
Services\Servers\archive\Forms]
"US
Letter"=hex:5b,4b,03,00,67,43,04,00,00,00,00,00,00,
00,00,5b,4b,03,00,67,\
43,04,00,01,00,00,02,00,00,00
"US
Legal"=hex:5b,4b,03,00,0f,6d,05,00,00,00,00,00,00,
00,00,5b,4b,03,00,0f,\
6d,05,00,02,00,00,02,00,00,00
"11x17
(oversize)"=hex:4e,88,04,00,9e,db,06,00,00,00,00,00,
0,0,00,00,4e,88,\
04,00,9e,db,06,00,03,00,00,02,00,00,00
"JIS
B4"=hex:96,ec,03,00,22,8e,05,00,00,00,00,00,00,00,
00,96,ec,03,00,22,8e,\
05,00,04,00,00,02,00,00,00
"JIS
B5"=hex:11,c7,02,00,96,ec,03,00,00,00,00,00,00,00,
00,11,c7,02,00,96,ec,\
03,00,05,00,00,00,02,00,00,00
"Double
Postcard"=hex:c6,42,02,00,58,0d,03,00,00,00,00,00,
00,00,00,c6,42,02,\
00,58,0d,03,00,06,00,00,02,00,00,00
"Env
Comm10"=hex:46,99,01,00,93,ae,03,00,00,00,00,00,00,
00,00,46,99,01,00,\
93,ae,03,00,07,00,00,02,00,00,00
"Env
Monarch"=hex:78,80,01,00,23,e8,02,00,00,00,00,00,00,
0,00,00,78,80,01,00,\
23,e8,02,00,08,00,00,02,00,00,00
"Env
DL"=hex:f2,ad,01,00,e5,5b,03,00,00,00,00,00,00,00,
00,f2,ad,01,00,e5,5b,\
03,00,09,00,00,00,02,00,00,00
"Env
C5"=hex:84,78,02,00,58,7e,03,00,00,00,00,00,00,00,
00,84,78,02,00,58,7e,\
03,00,0a,00,00,00,02,00,00,00

```

```

"Env ISO
B5"=hex:a4,af,02,00,a6,cf,03,00,00,00,00,00,00,00,00,
00,a4,af,02,00,\
a6,cf,03,00,0b,00,00,00,02,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Print\Providers\LanMan Print
Services\Servers\archive\Printers]
"DefaultSpoolDirectory"="C:\\WINNT\\System32\\spool\\
PRINTERS"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Print\Providers\LanMan Print
Services\Servers\archive\Printers\HP LaserJet 5Si/5Si
MX PS]
"ChangeID"=dword:052c7022
"Status"=dword:00000180
"Name"="HP LaserJet 5Si/5Si MX PS"
"Share Name"="Labprinter"
"Print Processor"="winprint"
"Datatype"="RAW"
"Parameters"=""
"Description"=""
"Printer Driver"="HP LaserJet 5Si/5Si MX PS"
"Default
DevMode"=hex:48,00,50,00,20,00,4c,00,61,00,73,00,65,0
0,72,00,4a,00,65,\
00,74,00,20,00,35,00,53,00,69,00,2f,00,35,00,53,00,69
,00,20,00,4d,00,58,00,\
20,00,50,00,53,00,00,00,00,00,00,00,00,00,00,00,00,
00,00,01,04,00,04,dc,\
00,b4,00,13,57,01,00,01,00,01,00,00,00,00,00,64,00,01
,00,0f,00,58,02,01,00,\
01,00,00,00,03,00,00,00,4c,00,65,00,74,00,74,00,65,00
,72,00,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,
00,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,
00,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,
00,00,00,00,00,00,\
00,50,52,49,56,e0,10,00,00,00,00,00,00,00,00,00,00,00,
00,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,
00,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,
00,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,18,00,00,00
,00,00,10,27,10,27,10,\

```

27,00,00,10,27,00,00,00,00,00,00,00,00,07,30,0a,00,00,  
03,00,01,00,00,01,ff,\

00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,  
00,00,00,00,00,00,\

00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,  
00,00,00,00,00,00,\

00,00,00,00,00  
"Priority"=dword:00000001  
"Default Priority"=dword:00000000  
"StartTime"=dword:00000000  
"UntilTime"=dword:00000000  
"Separator File"=""  
"Location"=""  
"Attributes"=dword:00000000  
"txTimeout"=dword:0000afc8  
"dnsTimeout"=dword:00003a98  
"Security"=hex:01,00,04,80,e4,00,00,00,f4,00,00,00,00,  
00,00,00,14,00,00,00,02,\

00,d0,00,08,00,00,00,00,0a,14,00,00,00,02,00,01,01,00,  
00,00,00,00,03,00,00,\

00,00,00,09,14,00,00,00,00,10,01,01,00,00,00,00,00,03,  
00,00,00,00,00,00,14,\

00,08,00,02,00,01,01,00,00,00,00,00,01,00,00,00,00,00,  
0a,14,00,00,00,00,20,\

01,01,00,00,00,00,00,01,00,00,00,00,00,00,18,00,0c,00,  
0f,00,01,02,00,00,00,\

00,00,05,20,00,00,00,20,02,00,00,00,0b,18,00,00,00,00,  
10,01,02,00,00,00,00,\

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SecurePipeServers\winreg] "Description"="Registry Server"  [HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\ SecurePipeServers\winreg\AllowedPaths] "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,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,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,53,65,72,76 ,69,63,65,73,5c,52,65,\ 70,6c,69,63,61,74,6f,72,00,00  [HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\ SecurityProviders] 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96,f4,df,62,30,18,c4,ef,76,27,25,2b,e4,93,37,a3,4f,da,6e,67,bc,50,0c,a8,94,\

f9,80,2e,4e,fa,3f,e3,06,e6,51,43,88,b4,00,c6,10,af,91,78,95,3f,28,04,99,e1,\

81,a7,f0,e8,f2,fc,68,36,36,bc,c1,c6,48,f9,7d,fb,bb,9f

"Enabled"=dword:00000001

"Type"=dword:00000001

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\SecurityProviders\SCHANNEL\CertificationAuthorities\erisign Class 2 Public Primary CA]

"CACert"=hex:30,82,02,31,30,82,01,9a,02,05,02,a3,00,00,01,30,0d,06,09,2a,86,48,\

86,f7,0d,01,01,02,05,00,30,5f,31,0b,30,09,06,03,55,04,06,13,02,55,53,31,17,\

30,15,06,03,55,04,0a,13,0e,56,65,72,69,53,69,67,6e,2c,20,49,6e,63,2e,31,37,\

30,35,06,03,55,04,0b,13,2e,43,6c,61,73,73,20,32,20,50,75,62,6c,69,63,20,50,\

72,69,6d,61,72,79,20,43,65,72,74,69,66,69,63,61,74,69,6f,6e,20,41,75,74,68,\

6f,72,69,74,79,30,1e,17,0d,39,36,30,31,32,39,30,30,30,30,30,5a,17,0d,39,\

39,31,32,33,31,32,33,35,39,35,39,5a,30,5f,31,0b,30,09,06,03,55,04,06,13,02,\

55,53,31,17,30,15,06,03,55,04,0a,13,0e,56,65,72,69,53,69,67,6e,2c,20,49,6e,\

63,2e,31,37,30,35,06,03,55,04,0b,13,2e,43,6c,61,73,73,20,32,20,50,75,62,6c,\

69,63,20,50,72,69,6d,61,72,79,20,43,65,72,74,69,66,69,63,61,74,69,6f,6e,20,\

41,75,74,68,6f,72,69,74,79,30,81,9f,30,0d,06,09,2a,86,48,86,f7,0d,01,01,01,\

05,00,03,81,8d,00,30,81,89,02,81,81,00,b6,5a,8b,a3,0d,6a,23,83,80,6b,cf,39,\

87,f4,21,13,33,06,4c,25,a2,ed,55,12,97,c5,a7,80,b9,fa,83,c1,20,a0,fa,2f,15,\

0d,7c,a1,60,6b,7e,79,2c,fa,06,0f,3a,ae,f6,1b,6f,b1,d2,ff,2f,28,52,5f,83,7d,\

4b,c4,7a,b7,f8,66,1f,80,54,fc,b7,c2,8e,59,4a,14,57,46,d1,9a,93,be,41,91,03,\

bb,15,80,93,5c,eb,e7,cc,08,6c,3f,3e,b3,4a,fc,ff,4b,6c,23,d5,50,82,26,44,19,\

8e,23,c3,71,ea,19,24,47,04,9e,75,bf,c8,a6,00,1f,02,03,01,00,01,30,0d,06,09,\

2a,86,48,86,f7,0d,01,01,02,05,00,03,81,81,00,7b,af,a4,1c,2f,c0,9b,0e,3b,5c,\

fc,a8,e6,d1,96,0f,48,72,49,85,e5,af,1a,23,00,e3,e9,bb,80,34,6c,b2,3f,84,a8,\

3c,72,70,b3,4c,de,73,fa,7c,84,d2,92,a5,00,37,09,c2,03,34,23,03,b7,ed,76,96,\

dc,3e,4f,85,fd,58,17,f4,04,be,ec,51,1e,dc,7a,db,db,ae,e8,61,78,da,65,38,47,\

ac,1d,03,70,6d,e9,e3,bb,a0,4a,9f,40,ea,bc,db,73,bf,67,4d,5d,c6,7c,20,5c,e7,\

e8,a2,a0,2b,c2,09,74,d7,4c,fe,db,e9,6b,02,63,5d,39,a7  
"Enabled"=dword:00000001  
"Type"=dword:00000001

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\SecurityProviders\SCHANNEL\CertificationAuthorities\Verisign Class 3 Public Primary CA]  
"CACert"=hex:30,82,02,31,30,82,01,9a,02,05,02,a1,00,00,01,30,0d,06,09,2a,86,48,\

86,f7,0d,01,01,02,05,00,30,5f,31,0b,30,09,06,03,55,04,06,13,02,55,53,31,17,\

30,15,06,03,55,04,0a,13,0e,56,65,72,69,53,69,67,6e,2c,20,49,6e,63,2e,31,37,\

30,35,06,03,55,04,0b,13,2e,43,6c,61,73,73,20,33,20,50,75,62,6c,69,63,20,50,\

72,69,6d,61,72,79,20,43,65,72,74,69,66,69,63,61,74,69,6f,6e,20,41,75,74,68,\

6f,72,69,74,79,30,1e,17,0d,39,36,30,31,32,39,30,30,30,30,30,30,5a,17,0d,39,\

39,31,32,33,31,32,33,35,39,35,39,5a,30,5f,31,0b,30,09,06,03,55,04,06,13,02,\

55,53,31,17,30,15,06,03,55,04,0a,13,0e,56,65,72,69,53,69,67,6e,2c,20,49,6e,\

63,2e,31,37,30,35,06,03,55,04,0b,13,2e,43,6c,61,73,73,20,33,20,50,75,62,6c,\

69,63,20,50,72,69,6d,61,72,79,20,43,65,72,74,69,66,69,63,61,74,69,6f,6e,20,\

41,75,74,68,6f,72,69,74,79,30,81,9f,30,0d,06,09,2a,86,48,86,f7,0d,01,01,01,\

05,00,03,81,8d,00,30,81,89,02,81,81,00,c9,5c,59,9e,f2,1b,8a,01,14,b4,10,df,\

04,40,db,e3,57,af,6a,45,40,8f,84,0c,0b,d1,33,d9,d9,11,cf,ee,02,58,1f,25,f7,\

2a,a8,44,05,aa,ec,03,1f,78,7f,9e,93,b9,9a,00,aa,23,7d,d6,ac,85,a2,63,45,c7,\

72,27,cc,f4,4c,c6,75,71,d2,39,ef,4f,42,f0,75,df,0a,90,c6,8e,20,6f,98,0f,f8,\

ac,23,5f,70,29,36,a4,c9,86,e7,b1,9a,20,cb,53,a5,85,e7,3d,be,7d,9a,fe,24,45,\

33,dc,76,15,ed,0f,a2,71,64,4c,65,2e,81,68,45,a7,02,03,01,00,01,30,0d,06,09,\

2a,86,48,86,f7,0d,01,01,02,05,00,03,81,81,00,75,66,6c,3e,d1,cd,81,db,5b,f8,\

2f,36,51,b6,f7,42,bc,cd,42,af,dc,0e,fa,15,6c,f8,67,93,57,3a,eb,b6,92,e8,b6,\

01,ca,8c,b7,8e,43,b4,49,65,f9,3e,ee,bd,75,46,2e,c9,fc,25,5d,a8,c7,2f,8b,9b,\

8f,68,cf,b4,9c,97,18,c0,4d,ef,1f,d9,af,82,b3,e6,64,b8,84,5c,8a,9a,07,52,43,\

61,fb,74,9e,5b,3a,36,fc,4c,b2,fc,1a,3f,15,2e,a5,5b,3c,1b,90,ec,88,29,e4,59,\

16,f9,ce,07,ad,ec,e9,dd,da,d2,31,8a,4f,d6,d8,ef,17,8d  
"Enabled"=dword:00000001  
"Type"=dword:00000001

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\SecurityProviders\SCHANNEL\CertificationAuthorities\Verisign Class 4 Public Primary CA]  
"CACert"=hex:30,82,02,31,30,82,01,9a,02,05,02,a6,00,00,01,30,0d,06,09,2a,86,48,\

86,f7,0d,01,01,02,05,00,30,5f,31,0b,30,09,06,03,55,04,06,13,02,55,53,31,17,\

30,15,06,03,55,04,0a,13,0e,56,65,72,69,53,69,67,6e,2c,20,49,6e,63,2e,31,37,\

30,35,06,03,55,04,0b,13,2e,43,6c,61,73,73,20,34,20,50,75,62,6c,69,63,20,50,\

72,69,6d,61,72,79,20,43,65,72,74,69,66,69,63,61,74,69,6f,6e,20,41,75,74,68,\

6f,72,69,74,79,30,1e,17,0d,39,36,30,31,32,39,30,30,30,30,30,30,5a,17,0d,39,\

39,31,32,33,31,32,33,35,39,35,39,5a,30,5f,31,0b,30,09,06,03,55,04,06,13,02,\

55,53,31,17,30,15,06,03,55,04,0a,13,0e,56,65,72,69,53,69,67,6e,2c,20,49,6e,\

63,2e,31,37,30,35,06,03,55,04,0b,13,2e,43,6c,61,73,73,20,34,20,50,75,62,6c,\

69,63,20,50,72,69,6d,61,72,79,20,43,65,72,74,69,66,69,63,61,74,69,6f,6e,20,\

41,75,74,68,6f,72,69,74,79,30,81,9f,30,0d,06,09,2a,86,48,86,f7,0d,01,01,01,\

05,00,03,81,8d,00,30,81,89,02,81,81,00,d0,b2,75,f6,78,d0,ae,5a,50,f4,e9,50,\

a9,9f,8c,d7,ef,91,94,70,e8,d2,24,90,76,89,85,d6,df,ac,e6,01,17,32,80,f0,9d,\

93,47,bc,9a,65,9d,1f,97,ae,bf,e9,86,75,63,20,89,bd,80,58,9d,04,0c,9d,a8,c1,\

24,e9,0b,e5,31,78,bd,fc,2d,0c,37,6a,9e,78,80,e9,46,75,f9,ed,a3,fb,13,7b,c8,\

c1,4c,d2,a3,ef,f5,3c,b0,62,8f,4a,5d,3b,dd,95,67,8f,13,b9,c1,3c,d6,a7,26,9b,\

ec,c3,3b,7a,d9,4d,bc,6d,9b,e8,15,01,e3,f0,47,a9,02,03,01,00,01,30,0d,06,09,\

2a,86,48,86,f7,0d,01,01,02,05,00,03,81,81,00,53,dd,d3,f0,9c,24,7e,40,aa,e2,\

fc,00,1a,d7,da,0c,fc,32,61,b8,15,0d,96,f3,fa,57,1b,7f,33,7c,af,e9,98,9a,61,\

c8,7a,b3,b7,ff,b1,dc,99,83,dc,ac,12,fc,70,c9,1f,38,42,ed,44,f6,80,2e,5b,6b,\

33,69,ac,9c,d3,5c,e7,5f,5a,18,c7,b1,2d,79,04,96,41,91,99,41,b1,3c,0d,ba,84,\

39,c6,3b,97,f0,26,c9,8e,ee,bd,cc,42,95,ff,1e,c7,02,3f,54,0c,78,f5,bc,aa,60,\

7c,02,69,e8,dc,ac,e2,02,76,61,c4,3e,03,ea,d2,8a,24,d1  
"Enabled"=dword:00000001  
"Type"=dword:00000001

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\SecurityProviders\SCHANNEL\CertificationAuthorities\Verisign\RSA Commercial]  
"CACert"=hex:30,82,02,23,30,82,01,90,02,05,02,41,00,00,16,30,0d,06,09,2a,86,48,\

86,f7,0d,01,01,02,05,00,30,5c,31,0b,30,09,06,03,55,04,06,13,02,55,53,31,20,\

30,1e,06,03,55,04,0a,13,17,52,53,41,20,44,61,74,61,20,53,65,63,75,72,69,74,\

79,2c,20,49,6e,63,2e,31,2b,30,29,06,03,55,04,0b,13,22,43,6f,6d,6d,65,72,63,\

69,61,6c,20,43,65,72,74,69,66,69,63,61,74,69,6f,6e,20,41,75,74,68,6f,72,69,\

74,79,30,1e,17,0d,39,34,31,31,30,34,31,38,35,38,33,34,5a,17,0d,39,39,31,31,\

30,33,31,38,35,38,33,34,5a,30,5c,31,0b,30,09,06,03,55,04,06,13,02,55,53,31,\

20,30,1e,06,03,55,04,0a,13,17,52,53,41,20,44,61,74,61,20,53,65,63,75,72,69,\

74,79,2c,20,49,6e,63,2e,31,2b,30,29,06,03,55,04,0b,13,22,43,6f,6d,6d,65,72,\

63,69,61,6c,20,43,65,72,74,69,66,69,63,61,74,69,6f,6e,20,41,75,74,68,6f,72,\

69,74,79,30,81,9b,30,0d,06,09,2a,86,48,86,f7,0d,01,01,01,05,00,03,81,89,00,\

30,81,85,02,7e,00,a4,fb,81,62,7b,ce,10,27,dd,e8,f7,be,6c,6e,c6,70,99,db,b8,\

d5,05,03,69,28,82,9c,72,7f,96,3f,8e,ec,ac,29,92,3f,8a,14,f8,42,76,be,bd,5d,\

03,b9,90,d4,d0,bc,06,b2,51,33,5f,c4,c2,bf,b6,8b,8f,99,b6,62,22,60,dd,db,df,\

20,82,b4,ca,a2,2f,2d,50,ed,94,32,de,e0,55,8d,d4,68,e2,e0,4c,d2,cd,05,16,2e,\

95,66,5c,61,52,38,1e,51,a8,82,a1,c4,ef,25,e9,0a,e6,8b,2b,8e,31,66,d9,f8,d9,\

fd,bd,3b,69,d9,eb,02,03,01,00,01,30,0d,06,09,2a,86,48,86,f7,0d,01,01,02,05,\

00,03,7e,00,76,b5,b6,10,fe,23,f7,f7,59,62,4b,b0,5f,9c,c1,68,bc,49,bb,b3,49,\

6f,21,47,5d,2b,9d,54,c4,00,28,3f,98,b9,f2,8a,83,9b,60,7f,eb,50,c7,ab,05,10,\

2d,3d,ed,38,02,c1,a5,48,d2,fe,65,a0,c0,bc,ea,a6,23,16,66,6c,1b,24,a9,f3,ec,\

79,35,18,4f,26,c8,e3,af,50,4a,c7,a7,31,6b,d0,7c,18,9d,50,bf,a9,26,fa,26,2b,\

46,9c,14,a9,bb,5b,30,98,42,28,b5,4b,53,bb,43,09,92,40,ba,a8,aa,5a,a4,c6,b6,\

8b,57,4d,c5  
"Enabled"=dword:00000001  
"Type"=dword:00000001

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\SecurityProviders\SCHANNEL\CertificationAuthorities\Verisign\RSA Secure Server]  
"CACert"=hex:30,82,02,29,30,82,01,96,02,05,02,41,00,00,01,30,0d,06,09,2a,86,48,\

86,f7,0d,01,01,02,05,00,30,5f,31,0b,30,09,06,03,55,04,06,13,02,55,53,31,20,\

30,1e,06,03,55,04,0a,13,17,52,53,41,20,44,61,74,61,20,53,65,63,75,72,69,74,\

79,2c,20,49,6e,63,2e,31,2e,30,2c,06,03,55,04,0b,13,25,53,65,63,75,72,65,20,\

53,65,72,76,65,72,20,43,65,72,74,69,66,69,63,61,74,69,6f,6e,20,41,75,74,68,\

6f,72,69,74,79,30,1e,17,0d,39,34,31,31,30,39,32,33,35,34,31,37,5a,17,0d,39,\

39,31,32,33,31,32,33,35,34,31,37,5a,30,5f,31,0b,30,09,06,03,55,04,06,13,02,\

55,53,31,20,30,1e,06,03,55,04,0a,13,17,52,53,41,20,44,61,74,61,20,53,65,63,\

75,72,69,74,79,2c,20,49,6e,63,2e,31,2e,30,2c,06,03,55,04,0b,13,25,53,65,63,\

75,72,65,20,53,65,72,76,65,72,20,43,65,72,74,69,66,69,63,61,74,69,6f,6e,20,\

41,75,74,68,6f,72,69,74,79,30,81,9b,30,0d,06,09,2a,86,48,86,f7,0d,01,01,01,\

05,00,03,81,89,00,30,81,85,02,7e,00,92,ce,7a,c1,ae,83,3e,5a,aa,89,83,57,ac,\

25,01,76,0c,ad,ae,8e,2c,37,ce,eb,35,78,64,54,03,e5,84,40,51,c9,bf,8f,08,e2,\

8a,82,08,d2,16,86,37,55,e9,b1,21,02,ad,76,68,81,9a,05,a2,4b,c9,4b,25,66,22,\

56,6c,88,07,8f,f7,81,59,6d,84,07,65,70,13,71,76,3e,9b,77,4c,e3,50,89,56,98,\

48,b9,1d,a7,29,1a,13,2e,4a,11,59,9c,1e,15,d5,49,54,2c,73,3a,69,82,b1,97,39,\

9c,6d,70,67,48,e5,dd,2d,d6,c8,1e,7b,02,03,01,00,01,30,0d,06,09,2a,86,48,86,\

f7,0d,01,01,02,05,00,03,7e,00,88,d1,d1,79,21,ce,e2,8b,e8,f8,cl,7d,34,53,3f,\

61,83,d9,b6,0b,38,17,b6,e8,be,21,8d,8f,00,b8,8b,53,7e,44,67,1e,22,bd,97,27,\

e0,9c,85,cc,4a,f6,85,3b,b2,e2,be,92,d3,e5,0d,e9,af,5c,0e,0c,46,95,ff,a1,1c,\

5e,3e,e8,36,58,7a,73,a6,0a,f8,22,11,6b,c3,09,38,7e,26,bb,73,ef,00,bd,02,a4,\

f3,14,0d,30,3f,61,70,7b,20,fe,32,a3,9f,b3,f4,67,52,dc,b4,ee,84,8c,96,36,20,\

de,81,08,83,71,21,8a,0f,9e,a9  
"Enabled"=dword:00000001  
"Type"=dword:00000001

[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\SecurityProviders\SCHANNEL\Protocols\Multi-Protocol Unified Hello]

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\SecurityProviders\SCHANNEL\Protocols\Multi-Protocol Unified Hello\Client]

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\SecurityProviders\SCHANNEL\Protocols\Multi-Protocol Unified Hello\Server]

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\SecurityProviders\SCHANNEL\Protocols\PCT 1.0]

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\SecurityProviders\SCHANNEL\Protocols\PCT 1.0\Client]

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\SecurityProviders\SCHANNEL\Protocols\PCT 1.0\Server]

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\SecurityProviders\SCHANNEL\Protocols\SSL 2.0]

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\SecurityProviders\SCHANNEL\Protocols\SSL 2.0\Client]

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\SecurityProviders\SCHANNEL\Protocols\SSL 2.0\Server]

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\SecurityProviders\SCHANNEL\Protocols\SSL 3.0]

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
SecurityProviders\SCHANNEL\Protocols\SSL 3.0\Client]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
SecurityProviders\SCHANNEL\Protocols\SSL 3.0\Server]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
ServiceGroupOrder]
>List"=hex(7):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,\
73,20,44,72,69,76,65,72,73,00,50,4e,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,75,70,00,53,70,6f,
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"=hex(7):00
"ProviderOrder"=hex(7):54,63,70,69,70,00,00
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Session Manager]
"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
"GlobalFlag"=dword:00000000
"ProtectionMode"=dword:00000000
"BootExecute"=hex(7):61,75,74,6f,63,68,65,63,6b,20,61,
75,74,6f,63,68,6b,20,2a,\
00,00
"EnableMCE"=dword:00000000
"EnableMCA"=dword:00000001
"HeapSegmentReserve"=dword:00000000
"HeapSegmentCommit"=dword:00000000
"HeapDeCommitTotalFreeThreshold"=dword:00000000
"HeapDeCommitFreeBlockThreshold"=dword:00000000
"CriticalSectionTimeout"=dword:00278d00
"ResourceTimeoutCount"=dword:0009e340
"ExcludeFromKnownDlls"=hex(7):00,00
"ProcessorControl"=dword:00000002
"RegisteredProcessors"=dword:00000008
"LicensedProcessors"=dword:00000008

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Session Manager\AppDataches]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Session Manager\AppDataches\CWD]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Session Manager\AppDataches\CWD\ff060102423da0000407108e0500]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Session Manager\AppDataches\CWD\ff060102423da0000407108e0500\
]
"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\AppDataches\MYST]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Session Manager\AppDataches\MYST\ff060102423bab000407102e0600]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Session Manager\AppDataches\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\AppDataches\PALED40]
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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Session Manager\AppDataches\PALED40\ff060102420032000407401b0100]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Session Manager\AppDataches\PALED40\ff060102420032000407401b0100\1]
"Change1"=hex:01,07,b7,21,01,d8,0c

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Session Manager\AppDataches\USA]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Session Manager\AppDataches\USA\ff06010242059b00040710780600]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Session Manager\AppDataches\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,\
1e,b8,23,00,8e,d8,8b,0e,14,07,81,e1,00,02,1f,c3

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Session Manager\AppDataches\VB]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Session Manager\AppDataches\VB\ff060102ec353f00040780c81300]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Session Manager\AppDataches\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\AppDataches\VB40016]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Session Manager\AppDataches\VB40016\ff0702021401ee3e000407d0460e00]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Session Manager\AppDataches\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\DOS Devices]
"PRN"="\DosDevices\LPT1"
"AUX"="\DosDevices\COM1"
"NUL"="\Device\Null"
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"PIPE"="\\Device\NamedPipe"
"MAILSLOT"="\\Device\Mailslot"
"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,\
32,5c,63,6d,64,2e,65,78,65,00
"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):43,3a,5c,6d,6b,73,5c,6d,6b,73,6e,74,3b,
43,3a,5c,57,49,4e,4e,54,\

5c,73,79,73,74,65,6d,33,32,3b,43,3a,5c,57,49,4e,4e,54,
3b,43,3a,5c,4d,53,53,\
51,4c,37,5c,42,49,4e,4e,00
"windir"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,0
0
"OS"="Windows_NT"
"PROCESSOR_ARCHITECTURE"="x86"
"PROCESSOR_LEVEL"="6"
"PROCESSOR_IDENTIFIER"="x86 Family 6 Model 7 Stepping
2, GenuineIntel"
"PROCESSOR_REVISION"="0702"
"NUMBER_OF_PROCESSORS"="4"
"ROOTDIR"="C:/mks"
"SHELL"="C:/mks/mksnt/sh.exe"
"HOME"="C:/"
"TMPDIR"="C:/TEMP"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Session Manager\Executive]
"AdditionalCriticalWorkerThreads"=dword:00000000
"AdditionalDelayedWorkerThreads"=dword:00000000
"PriorityQuantumMatrix"=hex:4e,0d,b5,bf,00,00,00,00,4
2,55,be,01

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Session Manager\FileRenameOperations]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Session Manager\KnownDLLs]
"DllDirectory"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,7
4,25,5c,73,79,73,74,65,6d,\
33,32,00
"kernel32"="kernel32.dll"
"gdi32"="gdi32.dll"
"user32"="user32.dll"
"rpcrt4"="rpcrt4.dll"
"advapi32"="advapi32.dll"
"comdlg32"="comdlg32.dll"
"crtdll"="crtdll.dll"
"shell32"="shell32.dll"
"lz32"="lz32.dll"
"olecli32"="olecli32.dll"
"olesvr32"="olesvr32.dll"
"version"="version.dll"
"ole32"="ole32.dll"
"oleaut32"="oleaut32.dll"
"olecnv32"="olecnv32.dll"
"olethk32"="olethk32.dll"

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"SHLWAPI"="SHLWAPI.DLL"
"WININET"="WININET.DLL"
"URLMON"="URLMON.DLL"
"NETAPI32"="NETAPI32.DLL"
"MSRATING"="MSRATING.DLL"
"URL"="URL.DLL"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Session Manager\Memory Management]
"PagedPoolSize"=dword:00000000
"NonPagedPoolSize"=dword:00000000
"PagedPoolQuota"=dword:00000000
"NonPagedPoolQuota"=dword:00000000
"IoPageLockLimit"=dword:00000000
"LargeSystemCache"=dword:00000000
"PagingFiles"=hex(7):43,3a,5c,70,61,67,65,66,69,6c,65
,2e,73,79,73,20,32,36,37,\
00,00
"SystemPages"=dword:00000000
"SecondLevelDataCache"=dword:00400000
"DisablePagingExecutive"=dword:00000000
"ClearPageFileAtShutdown"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
Session Manager\SubSystems]
"Required"=hex(7):44,65,62,75,67,00,57,69,6e,64,6f,77
,73,00,00
"Optional"=hex(7):4f,73,32,00,50,6f,73,69,78,00,00
"Debug"=hex(2):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,6e,\

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,33,30,37,32,20,57,69,6e,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
,20,53,65,72,76,65,72,\

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,69
,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
"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
"Os2"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,7
3,79,73,74,65,6d,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

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
SessionManager]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
SessionManager\CheckBadApps]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
SessionManager\CheckBadApps\HOTDOGPRO4.EXE]
"hotdogpro4.exe"="5006"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
SessionManager\CheckBadApps\ileapl-1.exe]
"ileapl-1.exe"="5001"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
SessionManager\CheckBadApps\LAUNCHER.EXE]
"hatchery.exe"="5013"
"Versionhatchery.exe"=hex:00,00,01,00,01,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
SessionManager\CheckBadApps\PROINST.EXE]
"PROINST.EXE"="1092"
"VersionPROINST.EXE"=hex:00,00,01,00,01,00,00,00
"FlagsPROINST.EXE"="I"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
SessionManager\CheckBadApps\setup.exe]
"money96.inf"="5004"
"Versionmoney96.inf"=hex:14,00,01,00,7b,07,00,00
"Flagsmoney96.inf"="I"
"winsetup.bin"="5014"
"Versionwinsetup.bin"=hex:00,00,04,00,57,04,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
SessionManager\CheckBadApps400]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
SessionManager\CheckBadApps400\access.exe]
"Flagsaccssuns.exe"="I"
"accssuns.exe"="5019"
"Versionaccess.exe"=hex:00,00,01,00,01,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
SessionManager\CheckBadApps400\InterLeap.exe]
"InterLeap.exe"="5001"
"VersionInterLeap.exe"=hex:01,00,01,00,00,00,00,00
"FlagsInterLeap.exe"="I"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
SessionManager\CheckBadApps400\MSIE20.exe]
"MSIE20.exe"="5003"
"FlagsMSIE20.exe"="I"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\
SessionManager\CheckBadApps400\MSIE30.exe]

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"MSIE30.exe"="5003"  
"FlagsMSIE30.exe"="I"  
  
[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\SessionManager\CheckBadApps400\MSIE301-AXP.exe]  
"MSIE301-AXP.exe"="5003"  
"FlagsMSIE301-AXP.exe"="I"

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\SessionManager\CheckBadApps400\MSIE301.exe]  
"MSIE301.exe"="5003"  
"FlagsMSIE301.exe"="I"

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\SessionManager\CheckBadApps400\MSIE301M95.exe]  
"MSIE301M95.exe"="5003"  
"FlagsMSIE301M95.exe"="I"

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\SessionManager\CheckBadApps400\MSIE301MNT.exe]  
"MSIE301MNT.exe"="5003"  
"FlagsMSIE301MNT.exe"="I"

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\SessionManager\CheckBadApps400\MSIE301r.exe]  
"MSIE301r.exe"="5003"  
"FlagsMSIE301r.exe"="I"

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\SessionManager\CheckBadApps400\MSIE301US.exe]  
"MSIE301US.exe"="5003"  
"FlagsMSIE301US.exe"="I"

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\SessionManager\CheckBadApps400\MSIE302-AXP.exe]  
"MSIE302-AXP.exe"="5003"  
"FlagsMSIE302-AXP.exe"="I"

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\SessionManager\CheckBadApps400\MSIE302.exe]  
"MSIE302.exe"="5003"  
"FlagsMSIE302.exe"="I"

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\SessionManager\CheckBadApps400\MSIE302M95.exe]  
"MSIE302M95.exe"="5003"  
"FlagsMSIE302M95.exe"="I"

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\SessionManager\CheckBadApps400\MSIE302MNT.exe]  
"MSIE302MNT.exe"="5003"  
"FlagsMSIE302MNT.exe"="I"

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\SessionManager\CheckBadApps400\MSIE302R.exe]  
"MSIE302R.exe"="5003"  
"FlagsMSIE302R.exe"="I"

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\SessionManager\CheckBadApps400\MSIE302US.exe]  
"MSIE302US.exe"="5003"  
"FlagsMSIE302US.exe"="I"

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\SessionManager\CheckBadApps400\MSIE30M.exe]  
"MSIE30M.exe"="5003"  
"FlagsMSIE30M.exe"="I"

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\SessionManager\CheckBadApps400\MSIE30r.exe]  
"MSIE30r.exe"="5003"  
"FlagsMSIE30r.exe"="I"

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\SessionManager\CheckBadApps400\MSIE30US.exe]  
"MSIE30US.exe"="5003"  
"FlagsMSIE30US.exe"="I"

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\SessionManager\CheckBadApps400\NT4SP3\_I.EXE]  
"nt4sp3\_i.exe"="5015"

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\SessionManager\CheckBadApps400\OLEUPD.EXE]  
"oleupd.exe"="5011"  
"Versionoleupd.exe"=hex:47,00,04,00,00,00,9a,01

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\SessionManager\CheckBadApps400\splunins.exe]  
"splunins.exe"="5008"  
"Flagssplunins.exe"="I"  
"Versionsplunins.exe"=hex:00,00,04,00,b6,03,00,00

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\SessionManager\CheckBadApps400\symapudo.exe]  
"symapudo.exe"="5007"  
"Flagssymapudo.exe"="I"  
"Versionsymapudo.exe"=hex:01,00,00,00,00,00,00,00

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\SessionManager\CheckBadApps400\UPDATE.EXE]  
"krnl386.exe"="5015"  
"Versionkrnl386.exe"=hex:00,00,04,00,04,00,65,05

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\Setup]  
"pointer"="msps2"  
"video"="VGA"  
"keyboard"="STANDARD"

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\SystemResources]

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\SystemResources\AssignmentOrdering]  
"Isa"="PCFlat"  
"Eisa"="PCFlat"

"MCA"="PCFlat"  
"PCMCIA"="PCFlat"  
"PCFlat"=hex(a):a8,04,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\

00,00,00,00,00,00,01,00,00,01,00,01,00,24,00,00,  
,00,00,01,00,00,00,00,\

00,00,00,00,00,00,00,00,00,00,00,05,00,00,00,00,00,00,  
,ff,ff,00,00,00,00,00,\

00,08,01,00,00,00,00,00,00,00,00,00,00,00,00,00,40,  
,01,00,00,00,00,00,00,\

7f,01,00,00,00,00,00,00,08,01,00,00,00,00,00,00,00,  
,00,00,00,00,00,00,00,\

02,00,00,00,00,00,00,ff,02,00,00,00,00,00,00,08,01,00,  
,00,00,00,00,00,00,00,\

00,00,00,00,00,00,03,00,00,00,00,00,00,6f,03,00,00,  
,00,00,00,00,08,01,00,\

00,00,00,00,00,00,00,00,00,00,00,00,00,78,03,00,00,00,  
,00,00,00,7a,03,00,00,\

00,00,00,00,08,01,00,00,00,00,00,00,00,00,00,00,00,  
,00,00,e8,02,00,00,00,\

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,\

00,00,f0,01,00,00,00,00,00,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,  
,03,00,00,00,00,00,00,\

08,01,00,00,00,00,00,00,00,00,00,00,00,00,00,e8,03,  
,00,00,00,00,00,00,ff,\

03,00,00,00,00,00,08,01,00,00,00,00,00,00,00,00,00,  
,00,00,00,00,00,ce,01,\

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,ff,03,00,00,00,  
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[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\  
SystemResources\BusValues]  
"Internal"=hex:00,00,00,00,00,00,00,00  
"Isa"=hex:01,00,00,00,00,00,00,00  
"Eisa"=hex:02,00,00,00,01,00,00,00  
"MCA"=hex:03,00,00,00,01,00,00,00  
"TurboChannel"=hex:04,00,00,00,00,00,00,00  
"PCI"=hex:05,00,00,00,01,00,00,00  
"VME"=hex:06,00,00,00,00,00,00,00  
"NuBus"=hex:07,00,00,00,00,00,00,00  
"ECMCIA"=hex:08,00,00,00,01,00,00,00  
"CBus"=hex:09,00,00,00,00,00,00,00  
"MPI"=hex:0a,00,00,00,00,00,00,00  
"MPSA"=hex:0b,00,00,00,00,00,00,00  
[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\  
SystemResources\ReservedResources]  
"Isa"=hex(8):01,00,00,00,01,00,00,00,00,00,00,00,00,00,  
00,00,28,00,00,00,01,01,\  
00,00,00,00,00,00,00,00,00,00,01,00,00,01,03,00,00,  
e8,42,00,00,00,00,\  
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00,00,00,01,03,00,00,\  
e8,82,00,00,00,00,00,00,08,00,00,00,01,03,00,00,e8,86,  
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00,01,03,00,00,e8,8e,\

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00,01,03,00,00,e8,96,00,00,00,00,00,00,08,00,00,01,  
03,00,00,e8,9a,00,00,\

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03,00,00,e8,a2,00,00,00,00,00,00,08,00,00,01,03,00,  
00,e8,a6,00,00,00,00,\

00,00,08,00,00,00,01,03,00,00,e8,aa,00,00,00,00,00,  
08,00,00,00,01,03,00,\

00,e8,ae,00,00,00,00,00,08,00,00,00,01,03,00,00,e8,  
b6,00,00,00,00,00,00,\

08,00,00,00,01,03,00,00,e8,ba,00,00,00,00,00,08,00,  
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be,00,00,00,00,00,00,08,00,00,00,01,03,00,00,e8,c2,00,  
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e8,e2,00,00,00,00,00,\

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03,00,00,06,00,00,00,06,00,00,00,ff,ff,ff,ff,02,03,00,  
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[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:fffffc4  
"DaylightStart"=hex:00,00,04,00,01,00,02,00,00,00,00,  
00,00,00,00,00  
"ActiveTimeBias"=dword:0000012c

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\  
Update]  
"UpdateMode"=dword:00000001

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\  
VirtualDeviceDrivers]  
"VDD"=hex(7):00,00

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\  
Windows]  
"Directory"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,2,  
5,00  
"SystemDirectory"=hex(2):25,53,79,73,74,65,6d,52,6f,6,  
f,74,25,5c,73,79,73,74,65,\

6d,33,32,00  
"ErrorMode"=dword:00000000  
"NoInteractiveServices"=dword:00000000  
"CSDVersion"=dword:00000400  
"ShutdownTime"=hex:d1,44,5a,6b,3b,c8,be,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  
"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"  
"DefaultSeparateVDM"="no"  
"LPT\_timeout"="15"  
"KnownDLLs"="comm.drv cmdmgl.dll ct13dv2.dll  
ddeml.dll keyboard.drv lanman.drv mapi.dll  
mmsystem.dll mouse.drv netapi.dll olecli.dll  
olesvr.dll pmspl.dll shell.dll sound.drv system.drv  
toolhelp.dll vga.drv wfwnet.drv win87em.dll  
winldap.mod winsock.dll winspool.exe wowdeb.exe  
timer.drv rasapi16.dll compobj.dll storage.dll  
ole2.dll ole2disp.dll ole2nls.dll typelib.dll

msvideo.dll avifile.dll msacm.dll mciavi.drv  
mciseq.drv mciwave.drv progman.exe avicap.dll"

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\  
Hivelist]  
"\REGISTRY\MACHINE\HARDWARE"=""  
"\REGISTRY\MACHINE\SECURITY"=""  
"\REGISTRY\MACHINE\SOFTWARE"=""  
"\REGISTRY\MACHINE\SYSTEM"=""  
"\REGISTRY\USER\DEFAULT"=""  
"\REGISTRY\USER\S-1-5-21-1467160443-2125360053-  
619646970-  
500"=""  
"\REGISTRY\USER\ADMINISTRATOR\NTUSER.DAT"

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Enum]  
[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Enum\HTR  
EE]  
[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Enum\HTR  
EE\ROOT]  
[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Enum\HTR  
EE\ROOT\0]  
"FoundAtEnum"=dword:00000001  
"AttachedComponents"=hex(7):52,6f,6f,74,5c,4c,45,47,4,  
1,43,59,5f,43,50,51,41,52,\

52,41,59,5c,30,30,30,00,52,6f,6f,74,5c,4c,45,47,41,  
43,59,5f,41,54,41,50,\

49,5c,30,30,30,00,52,6f,6f,74,5c,4c,45,47,41,43,59,  
5f,53,59,4d,43,38,31,\

30,5c,30,30,30,00,52,6f,6f,74,5c,4c,45,47,41,43,59,  
5f,44,49,53,4b,5c,30,\

30,30,30,00,52,6f,74,5c,4c,45,47,41,43,59,5f,4e,54,  
46,53,5c,30,30,30,\

00,52,6f,6f,74,5c,4c,45,47,41,43,59,5f,46,4c,4f,50,50,  
59,5c,30,30,30,00,\

52,6f,6f,74,5c,4c,45,47,41,43,59,5f,43,44,52,4f,4d,5c,  
30,30,30,30,00,52,6f,\

6f,74,5c,4c,45,47,41,43,59,5f,46,53,5f,52,45,43,5c,30,  
30,30,30,00,52,6f,6f,\

74,5c,4c,45,47,41,43,59,5f,4e,55,4c,4c,5c,30,30,30,  
00,52,6f,6f,74,5c,4c,\

45,47,41,43,59,5f,4b,53,45,43,44,44,5c,30,30,30,00,  
52,6f,6f,74,5c,4c,45,\

47, 41, 43, 59, 5f, 42, 45, 45, 50, 5c, 30, 30, 30, 30, 00, 52, 6f, 6f, 74, 5c, 4c, 45, 47, 41, 43, \

59, 5f, 4d, 4f, 55, 43, 4c, 41, 53, 53, 5c, 30, 30, 30, 30, 00, 52, 6f, 6f, 74, 5c, 4c, 45, 47, 41, \

43, 59, 5f, 4b, 42, 44, 43, 4c, 41, 53, 53, 5c, 30, 30, 30, 30, 00, 52, 6f, 6f, 74, 5c, 4c, 45, 47, \

41, 43, 59, 5f, 56, 47, 41, 53, 41, 56, 45, 5c, 30, 30, 30, 30, 00, 52, 6f, 6f, 74, 5c, 4c, 45, 47, \

41, 43, 59, 5f, 4d, 53, 46, 53, 5c, 30, 30, 30, 30, 00, 52, 6f, 6f, 74, 5c, 4c, 45, 47, 41, 43, 59, \

5f, 4e, 50, 46, 53, 5c, 30, 30, 30, 30, 00, 52, 6f, 6f, 74, 5c, 4c, 45, 47, 41, 43, 59, 5f, 4e, 44, \

49, 53, 5c, 30, 30, 30, 30, 00, 52, 6f, 6f, 74, 5c, 4c, 45, 47, 41, 43, 59, 5f, 50, 41, 52, 41, 4c, \

4c, 45, 4c, 5c, 30, 30, 30, 30, 00, 52, 6f, 6f, 74, 5c, 4c, 45, 47, 41, 43, 59, 5f, 50, 41, 52, 50, \

4f, 52, 54, 5c, 30, 30, 30, 00, 52, 6f, 6f, 74, 5c, 4c, 45, 47, 41, 43, 59, 5f, 50, 41, 52, 56, \

44, 4d, 5c, 30, 30, 30, 30, 00, 52, 6f, 6f, 74, 5c, 4c, 45, 47, 41, 43, 59, 5f, 52, 50, 43, 53, 53, \

5c, 30, 30, 30, 30, 00, 52, 6f, 6f, 74, 5c, 4c, 45, 47, 41, 43, 59, 5f, 53, 45, 52, 49, 41, 4c, 5c, \

30, 30, 30, 30, 00, 52, 6f, 6f, 74, 5c, 2a, 50, 4e, 50, 30, 33, 30, 62, 5c, 31, 5f, 38, 5f, 32, 32, \

5f, 30, 5f, 33, 32, 5f, 30, 00, 52, 6f, 6f, 74, 5c, 2a, 50, 4e, 50, 30, 46, 30, 33, 5c, 31, 5f, 38, \

5f, 32, 31, 5f, 30, 5f, 33, 31, 5f, 30, 00, 52, 6f, 6f, 74, 5c, 4c, 45, 47, 41, 43, 59, 5f, 46, 41, \

53, 54, 46, 41, 54, 5c, 30, 30, 30, 00, 52, 6f, 6f, 74, 5c, 4c, 45, 47, 41, 43, 59, 5f, 43, 44, \

46, 53, 5c, 30, 30, 30, 30, 00, 52, 6f, 6f, 74, 5c, 4c, 45, 47, 41, 43, 59, 5f, 4e, 45, 54, 44, 45, \

54, 45, 43, 54, 5c, 30, 30, 30, 30, 00, 52, 6f, 6f, 74, 5c, 4c, 45, 47, 41, 43, 59, 5f, 53, 50, 4f, \

4f, 4c, 45, 52, 5c, 30, 30, 30, 00, 52, 6f, 6f, 74, 5c, 4c, 45, 47, 41, 43, 59, 5f, 50, 52, 4f, \

4b, 44, 44, 5c, 30, 30, 30, 00, 52, 6f, 6f, 74, 5c, 4c, 45, 47, 41, 43, 59, 5f, 54, 43, 50, 49, \

50, 5c, 30, 30, 30, 30, 00, 52, 6f, 6f, 74, 5c, 4c, 45, 47, 41, 43, 59, 5f, 4e, 45, 54, 42, 54, 5c, \

30, 30, 30, 30, 00, 52, 6f, 6f, 74, 5c, 4c, 45, 47, 41, 43, 59, 5f, 4e, 42, 46, 5c, 30, 30, 30, \

00, 52, 6f, 6f, 74, 5c, 4c, 45, 47, 41, 43, 59, 5f, 4c, 41, 4e, 4d, 41, 4e, 57, 4f, 52, 4b, 53, 54, \

41, 54, 49, 4f, 4e, 5c, 30, 30, 30, 30, 00, 52, 6f, 6f, 74, 5c, 4c, 45, 47, 41, 43, 59, 5f, 41, 46, \

44, 5c, 30, 30, 30, 30, 00, 52, 6f, 6f, 74, 5c, 4c, 45, 47, 41, 43, 59, 5f, 52, 44, 52, 5c, 30, 30, \

30, 30, 00, 52, 6f, 6f, 74, 5c, 4c, 45, 47, 41, 43, 59, 5f, 4d, 55, 50, 5c, 30, 30, 30, 30, 00, 52, \

6f, 6f, 74, 5c, 4c, 45, 47, 41, 43, 59, 5f, 4e, 45, 54, 42, 49, 4f, 53, 5c, 30, 30, 30, 30, 00, 52, \

6f, 6f, 74, 5c, 4c, 45, 47, 41, 43, 59, 5f, 4c, 4d, 48, 4f, 53, 54, 53, 5c, 30, 30, 30, 30, 00, 52, \

6f, 6f, 74, 5c, 4c, 45, 47, 41, 43, 59, 5f, 41, 4c, 45, 52, 54, 45, 52, 5c, 30, 30, 30, 30, 00, 52, \

6f, 6f, 74, 5c, 4c, 45, 47, 41, 43, 59, 5f, 42, 52, 4f, 57, 53, 45, 52, 5c, 30, 30, 30, 30, 00, 52, \

6f, 6f, 74, 5c, 4c, 45, 47, 41, 43, 59, 5f, 4c, 41, 4e, 4d, 41, 4e, 53, 45, 52, 56, 45, 52, 5c, 30, \

30, 30, 30, 00, 52, 6f, 6f, 74, 5c, 4c, 45, 47, 41, 43, 59, 5f, 4c, 49, 43, 45, 4e, 53, 45, 53, 45, 53, 45, \

52, 56, 49, 43, 45, 5c, 30, 30, 30, 30, 00, 52, 6f, 6f, 74, 5c, 4c, 45, 47, 41, 43, 59, 5f, 4d, 45, \

53, 53, 45, 4e, 47, 45, 52, 5c, 30, 30, 30, 30, 00, 52, 6f, 6f, 74, 5c, 4c, 45, 47, 41, 43, 59, 5f, \

53, 52, 56, 5c, 30, 30, 30, 30, 00, 52, 6f, 6f, 74, 5c, 2a, 50, 4e, 50, 30, 33, 30, 62, 5c, 31, 5f, \

30, 5f, 32, 32, 5f, 30, 5f, 33, 32, 5f, 30, 00, 52, 6f, 6f, 74, 5c, 2a, 50, 4e, 50, 30, 46, 30, 33, \

5c, 31, 5f, 30, 5f, 32, 31, 5f, 30, 5f, 33, 31, 5f, 30, 00, 52, 6f, 6f, 74, 5c, 4c, 45, 47, 41, 43, \

59, 5f, 50, 52, 4f, 54, 45, 43, 54, 45, 44, 53, 54, 4f, 52, 41, 47, 45, 5c, 30, 30, 30, 30, 00, 52, \

6f, 6f, 74, 5c, 4c, 45, 47, 41, 43, 59, 5f, 53, 59, 53, 4d, 47, 4d, 54, 5c, 30, 30, 30, 30, 00, 52, \

6f, 6f, 74, 5c, 4c, 45, 47, 41, 43, 59, 5f, 43, 50, 51, 53, 45, 54, 55, 50, 5c, 30, 30, 30, 30, 00, \

52, 6f, 6f, 74, 5c, 4c, 45, 47, 41, 43, 59, 5f, 4e, 31, 30, 30, 5c, 30, 30, 30, 00, 52, 6f, 6f, \

74, 5c, 4c, 45, 47, 41, 43, 59, 5f, 4d, 53, 53, 51, 4c, 53, 45, 52, 56, 45, 52, 5c, 30, 30, 30, \

00, 52, 6f, 6f, 74, 5c, 4c, 45, 47, 41, 43, 59, 5f, 41, 54, 49, 5c, 30, 30, 30, 30, 00, 52, 6f, 6f, \

74, 5c, 4c, 45, 47, 41, 43, 59, 5f, 4e, 54, 4c, 4d, 53, 53, 50, 5c, 30, 30, 30, 30, 00, 52, 6f, 6f, \

74, 5c, 4c, 45, 47, 41, 43, 59, 5f, 41, 54, 41, 4d, 41, 4e, 20, 54, 45, 4c, 4e, 45, 54, 44, 20, 53, \

45, 52, 56, 45, 52, 5c, 30, 30, 30, 30, 00, 52, 6f, 6f, 74, 5c, 4c, 45, 47, 41, 43, 59, 5f, 41, 54, \

41, 4d, 41, 4e, 20, 52, 4c, 4f, 47, 49, 4e, 44, 20, 53, 45, 52, 56, 45, 52, 5c, 30, 30, 30, 30, 00, \

52, 6f, 6f, 74, 5c, 4c, 45, 47, 41, 43, 59, 5f, 41, 54, 41, 4d, 41, 4e, 20, 52, 45, 58, 45, 43, 44, \

20, 53, 45, 52, 56, 45, 52, 5c, 30, 30, 30, 30, 00, 52, 6f, 6f, 74, 5c, 4c, 45, 47, 41, 43, 59, 5f, \

41, 54, 41, 4d, 41, 4e, 20, 54, 43, 50, 20, 52, 45, 4d, 4f, 54, 45, 20, 4c, 4f, 47, 4f, 4e, 20, 53, \

45, 52, 56, 49, 43, 45, 53, 5c, 30, 30, 30, 30, 00, 52, 6f, 6f, 74, 5c, 4c, 45, 47, 41, 43, 59, 5f, \

43, 50, 51, 4b, 44, 44, 50, 5c, 30, 30, 30, 30, 00, 52, 6f, 6f, 74, 5c, 4c, 45, 47, 41, 43, 59, 5f, \

43, 50, 51, 4e, 46, 33, 5c, 30, 30, 30, 30, 00, 52, 6f, 6f, 74, 5c, 4c, 45, 47, 41, 43, 59, 5f, 44, \

49, 53, 4b, 50, 45, 52, 46, 5c, 30, 30, 30, 30, 00, 52, 6f, 6f, 74, 5c, 2a, 50, 4e, 50, 30, 46, 31, \

32, 5c, 31, 5f, 30, 5f, 32, 31, 5f, 30, 5f, 33, 31, 5f, 30, 00, 52, 6f, 6f, 74, 5c, 4c, 45, 47, 41, \

43, 59, 5f, 43, 50, 51, 44, 47, 44, 5c, 30, 30, 30, 30, 00, 52, 6f, 6f, 74, 5c, 4c, 45, 47, 41, 43, \

59, 5f, 43, 50, 51, 53, 4d, 47, 52, 4b, 5c, 30, 30, 30, 30, 00, 52, 4f, 4f, 54, 5c, 53, 43, 53, 49, \

41, 44, 41, 50, 54, 45, 52, 5c, 4f, 45, 4d, 30, 2e, 49, 4e, 46, 26, 43, 50, 51, 53, 4d, 52, 54, 32, \

00, 52, 6f, 6f, 74, 5c, 4c, 45, 47, 41, 43, 59, 5f, 43, 50, 51, 33, 32, 46, 53, 32, 5c, 30, 30, 30, \

30, 00, 52, 6f, 6f, 74, 5c, 4c, 45, 47, 41, 43, 59, 5f, 4e, 43, 52, 43, 37, 31, 30, 5c, 30, 30, 30, \

30, 00, 52, 6f, 6f, 74, 5c, 4c, 45, 47, 41, 43, 59, 5f, 43, 50, 51, 46, 57, 53, 32, 45, 5c, 30, 30, \

30, 30, 00, 52, 6f, 6f, 74, 5c, 4c, 45, 47, 41, 43, 59, 5f, 53, 43, 53, 49, 53, 43, 41, 4e, 5c, 30, \

30, 30, 30, 00, 52, 6f, 6f, 74, 5c, 4c, 45, 47, 41, 43, 59, 5f, 43, 50, 51, 52, 43, 4d, 43, 5c, 30, \

30, 30, 30, 00, 52, 6f, 6f, 74, 5c, 4c, 45, 47, 41, 43, 59, 5f, 43, 51, 49, 4d, 44, 53, 56, 43, 5c, \

30,30,30,30,00,52,6f,6f,74,5c,4c,45,47,41,43,59,5f,53,59,53,44,4f,57,4e,5c,\

30,30,30,30,00,52,4f,4f,54,5c,4c,45,47,41,43,59,5f,43,50,51,41,52,52,59,32,\

5c,30,30,30,30,00,52,6f,6f,74,5c,4c,45,47,41,43,59,5f,43,50,51,44,41,45,4e,\

5c,30,30,30,30,00,52,6f,6f,74,5c,4c,45,47,41,43,59,5f,50,52,4c,4e,54,53,53,\  
5c,30,30,30,30,00,00

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\\*PNP030b\i\_0\_22\_0\_32\_0\Control]

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\\*PNP030b]

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\\*PNP030b\i\_0\_22\_0\_32\_0]  
"HardwareID"=hex(7):2a,50,4e,50,30,33,30,62,00  
"BaseDevicePath"="HTREE\ROOT\0"  
"FoundAtEnum"=dword:00000001  
"Service"="i8042prt"  
"ClassGUID"="{4D36E96B-E325-11CE-BFC1-08002BE10318}"  
"Class"="Keyboard"  
"Driver"="{4D36E96B-E325-11CE-BFC1-08002BE10318}\0001"  
"Mfg"="(Standard keyboards)"  
"DeviceDesc"="PC/AT Enhanced Keyboard (101/102-Key)"  
"ConfigFlags"=dword:00000000  
"Problem"=dword:00000000  
"StatusFlags"=dword:00000008

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\\*PNP030b\i\_0\_22\_0\_32\_0\LogConf]

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\\*PNP030b\i\_0\_22\_0\_32\_0\Control]  
"ActiveService"="i8042prt"

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\\*PNP030b\i\_8\_22\_0\_32\_0]  
"HardwareID"=hex(7):2a,50,4e,50,30,33,30,62,00  
"BaseDevicePath"="HTREE\ROOT\0"  
"FoundAtEnum"=dword:00000000  
"Service"="i8042prt"  
"ClassGUID"="{4D36E96B-E325-11CE-BFC1-08002BE10318}"  
"Class"="Keyboard"  
"Driver"="{4D36E96B-E325-11CE-BFC1-08002BE10318}\0000"  
"Mfg"="(Standard keyboards)"  
"DeviceDesc"="PC/AT Enhanced Keyboard (101/102-Key)"  
"ConfigFlags"=dword:00000000  
"Problem"=dword:00000000  
"StatusFlags"=dword:40000008

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\\*PNP030b\i\_8\_22\_0\_32\_0\LogConf]

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\\*PNP030b\i\_8\_22\_0\_32\_0\Control]  
"ActiveService"="i8042prt"

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\\*PNP0F03]

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\\*PNP0F03\i\_0\_21\_0\_31\_0]  
"HardwareID"=hex(7):2a,50,4e,50,30,46,30,33,00  
"BaseDevicePath"="HTREE\ROOT\0"  
"FoundAtEnum"=dword:00000000  
"Service"="i8042prt"  
"ClassGUID"="{4D36E96F-E325-11CE-BFC1-08002BE10318}"  
"Class"="Mouse"  
"Driver"="{4D36E96F-E325-11CE-BFC1-08002BE10318}\0001"  
"Mfg"="Microsoft"  
"DeviceDesc"="Microsoft PS/2 Port Mouse"  
"ConfigFlags"=dword:00000000  
"Problem"=dword:00000000  
"StatusFlags"=dword:40000008

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\\*PNP0F03\i\_0\_21\_0\_31\_0\LogConf]

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\\*PNP0F03\i\_0\_21\_0\_31\_0\Control]  
"ActiveService"="i8042prt"

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\\*PNP0F03\i\_8\_21\_0\_31\_0]  
"HardwareID"=hex(7):2a,50,4e,50,30,46,30,33,00  
"BaseDevicePath"="HTREE\ROOT\0"  
"FoundAtEnum"=dword:00000000  
"Service"="i8042prt"  
"ClassGUID"="{4D36E96F-E325-11CE-BFC1-08002BE10318}"  
"Class"="Mouse"  
"Driver"="{4D36E96F-E325-11CE-BFC1-08002BE10318}\0000"  
"Mfg"="Microsoft"  
"DeviceDesc"="Microsoft PS/2 Port Mouse"  
"ConfigFlags"=dword:00000000  
"Problem"=dword:00000000  
"StatusFlags"=dword:40000008

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\\*PNP0F03\i\_8\_21\_0\_31\_0\LogConf]

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\\*PNP0F03\i\_8\_21\_0\_31\_0\Control]  
"ActiveService"="i8042prt"

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\\*PNP0F12]

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\\*PNP0F12\i\_0\_21\_0\_31\_0]  
"HardwareID"=hex(7):2a,50,4e,50,30,46,31,32,00,00  
"BaseDevicePath"="HTREE\ROOT\0"  
"FoundAtEnum"=dword:00000001  
"ClassGUID"="{4d36e96f-e325-11ce-bfc1-08002be10318}"  
"Class"="Mouse"

"Service"="i8042prt"  
"Driver"="{4D36E96F-E325-11CE-BFC1-08002BE10318}\0002"  
"Mfg"="Logitech"  
"DeviceDesc"="Logitech PS/2 Port Mouse"  
"ConfigFlags"=dword:00000000  
"Problem"=dword:00000000  
"StatusFlags"=dword:00000008

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\\*PNP0F12\i\_0\_21\_0\_31\_0\LogConf]

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\\*PNP0F12\i\_0\_21\_0\_31\_0\Control]  
"ActiveService"="i8042prt"

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY\_AFD]  
"NextInstance"=dword:00000001

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY\_AFD\0000]  
"Service"="Afd"  
"FoundAtEnum"=dword:00000001  
"Class"="Unknown"  
"ClassGUID"="{4D36E97E-E325-11CE-BFC1-08002BE10318}"  
"Problem"=dword:00000000  
"StatusFlags"=dword:00000008  
"BaseDevicePath"="HTREE\ROOT\0"  
"DeviceDesc"="AFD Networking Support Environment"

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY\_AFD\0000\Control]  
"ActiveService"="Afd"

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY\_ALERTER]  
"NextInstance"=dword:00000001

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY\_ALERTER\0000]  
"Service"="Alerter"  
"FoundAtEnum"=dword:00000001  
"Class"="Unknown"  
"ClassGUID"="{4D36E97E-E325-11CE-BFC1-08002BE10318}"  
"Problem"=dword:00000000  
"StatusFlags"=dword:00000008  
"BaseDevicePath"="HTREE\ROOT\0"  
"DeviceDesc"="Alerter"

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY\_ALERTER\0000\Control]  
"ActiveService"="Alerter"

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY\_ATAMAN\_REXEC\_SERVER]  
"NextInstance"=dword:00000001

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY\_ATAMAN\_REXEC\_SERVER\0000]  
"Service"="Ataman Rexecd Server"  
"FoundAtEnum"=dword:00000001  
"Class"="Unknown"

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"ClassGUID"="{4D36E97E-E325-11CE-BF1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000000
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="Ataman Rexecd Server"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_ATAMAN_RLOGIND_SERVER]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_ATAMAN_RLOGIND_SERVER\0000]
"Service"="Ataman Rlogind Server"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BF1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000000
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="Ataman Rlogind Server"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_ATAMAN_TCP_REMOTE_LOGON_SERVICES]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_ATAMAN_TCP_REMOTE_LOGON_SERVICES\0000]
"Service"="Ataman TCP Remote Logon Services"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BF1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000000
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="Ataman TCP Remote Logon Services"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_ATAMAN_TELNETD_SERVER]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_ATAMAN_TELNETD_SERVER\0000]
"Service"="Ataman Telnetd Server"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BF1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000000
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="Ataman Telnetd Server"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_ATAPI]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_ATAPI\0000]
"Service"="atapi"
"FoundAtEnum"=dword:00000001
"Class"="SCSIAdapter"
"ClassGUID"="{4D36E97B-E325-11CE-BF1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000008

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"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="IDE CD-ROM (ATAPI 1.2)/Dual-channel PCI IDE Controller "
"Driver"="{4D36E97B-E325-11CE-BF1-08002BE10318}\0000"
"Mfg"="(Standard mass storage controllers)"
"HardwareID"=hex(7):61,74,61,70,69,5f,73,63,73,69,00,00
"ConfigFlags"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_ATAPI\0000\LogConf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_ATAPI\0000\Control]
"ActiveService"="atapi"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_ATI]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_ATI\0000]
"BaseDevicePath"="HTREE\ROOT\0"
"FoundAtEnum"=dword:00000001
"ClassGUID"="{4D36E968-E325-11CE-BF1-08002BE10318}"
"Class"="Display"
"StatusFlags"=dword:00000008
"Driver"="{4D36E968-E325-11CE-BF1-08002BE10318}\0000"
"Mfg"="ATI Technologies Inc."
"Service"="ati"
"DeviceDesc"="ATI Technologies Inc. mach 8 Graphics Accelerator"
"ConfigFlags"=dword:00000000
"Problem"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_ATI\0000\LogConf]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_ATI\0000\Control]
"ActiveService"="ati"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_BEEP]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_BEEP\0000]
"Service"="Beep"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BF1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000008
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="Beep Device"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_BEEP\0000\Control]
"ActiveService"="Beep"

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_BROWSER]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_BROWSER\0000]
"Service"="Browser"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BF1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000000
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="Computer Browser"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_CDFS]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_CDFS\0000]
"Service"="Cdfs"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BF1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000008
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="Cdfs Device"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_CDFS\0000\Control]
"ActiveService"="Cdfs"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_CDROM]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_CDROM\0000]
"Service"="Cdrom"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BF1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000008
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="Cdrom Device"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_CDROM\0000\Control]
"ActiveService"="Cdrom"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_CPQ32FS2]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_CPQ32FS2\0000]
"BaseDevicePath"="HTREE\ROOT\0"
"FoundAtEnum"=dword:00000001
"ClassGUID"="{4D36E97B-E325-11CE-BF1-08002BE10318}"
"Class"="SCSIAdapter"
"StatusFlags"=dword:00000008

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```
"Driver"="{4D36E97B-E325-11CE-BFC1-08002BE10318}\0001"
"Mfg"="Compaq"
"HardwareID"=hex(7):63,70,71,33,32,66,73,32,5f,73,63,73,69,00,00
"Service"="cpq32fs2"
"DeviceDesc"="Compaq SCSI Controllers"
"ConfigFlags"=dword:00000000
"Problem"=dword:00000000
```

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_CPQ32FS2\0000\LogConf]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_CPQ32FS2\0000\Control]
"ActiveService"="cpq32fs2"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_CPQARRAY]
"NextInstance"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_CPQARRAY2]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_CPQDAEN]
"NextInstance"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_CPQDAEN\0000]
"Service"="CPQDAEN"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BFC1-08002BE10318}"
"Problem"=dword:0000000a
"StatusFlags"=dword:00000400
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="Compaq Drive Array Event Notification Driver"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_CPQDAEN\0000\Control]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_CPQDGD]
"NextInstance"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_CPQDGD\0000]
"Service"="CPQDGD"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BFC1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000000
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="CPQDGD"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_CPQFWS2E]
"NextInstance"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_CPQFWS2E\0000]
"Service"="CPQFWS2E"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BFC1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000000
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="CPQFWS2E Device"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_CPQKDDP]
"NextInstance"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_CPQKDDP\0000]
"Service"="CPQKDDP"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BFC1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000000
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="Compaq Kernel Device Driver"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_CPQNF3]
"NextInstance"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_CPQNF3\0000]
"Service"="CpQNF3"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BFC1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000000
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="Compaq NetFlex-3 Driver"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_CPQRCMC]
"NextInstance"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_CPQRCMC\0000]
"Service"="CPQRCMC"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BFC1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000008
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="Compaq Remote Monitor Service"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_CPQRCMC\0000\Control]
"ActiveService"="CPQRCMC"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_CPQSETUP]
"NextInstance"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_CPQSETUP\0000]
"Service"="CPQSETUP"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BFC1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000000
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="Compaq Support Software Service"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_CPQSMGRK]
"NextInstance"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_CPQSMGRK\0000]
"Service"="CpqSMgrk"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BFC1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000008
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="CpqSMgrk Device"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_CPQSMGRK\0000\Control]
"ActiveService"="CpqSMgrk"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_CQIMDSVC]
"NextInstance"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_CQIMDSVC\0000]
"Service"="CQIMDSVC"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BFC1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000008
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="Compaq Enhanced IMD Idle Screen"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_CQIMDSVC\0000\Control]
"ActiveService"="CQIMDSVC"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_DISK]
"NextInstance"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_DISK\0000]
"Service"="Disk"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BFC1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000008
"BaseDevicePath"="HTREE\ROOT\0"
```

```

"DeviceDesc"="Disk Device"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_DISKPERF\0000\Control]
"ActiveService"="Disk"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_DISKPERF]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_DISKPERF\0000]
"Service"="Diskperf"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BFC1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000000
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="Diskperf Device"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_FASTFAT]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_FASTFAT\0000]
"Service"="Fastfat"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BFC1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000008
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="Fastfat Device"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_FASTFAT\0000\Control]
"ActiveService"="Fastfat"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_FLOPPY]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_FLOPPY\0000]
"Service"="Floppy"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BFC1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000008
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="Floppy Device"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_FLOPPY\0000\Control]
"ActiveService"="Floppy"

[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"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BFC1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000008
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="Fs Rec Device"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_FS_REC\0000\Control]
"ActiveService"="Fs Rec"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_KBDCLASS]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_KBDCLASS\0000]
"Service"="Kbdclass"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BFC1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000008
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="Kbdclass Device"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_KBDCLASS\0000\Control]
"ActiveService"="Kbdclass"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_KSECDD]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_KSECDD\0000]
"Service"="KSecDD"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BFC1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000008
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="KSecDD Device"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_KSECDD\0000\Control]
"ActiveService"="KSecDD"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_LANMANSERVER]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_LANMANSERVER\0000]
"Service"="LanmanServer"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BFC1-08002BE10318}"

```

```

"Problem"=dword:00000000
"StatusFlags"=dword:00000000
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="Server"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_LANMANWORKSTATION]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_LANMANWORKSTATION\0000]
"Service"="LanmanWorkstation"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BFC1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000008
"BaseDevicePath"="HTREE\ROOT\0"
"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"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BFC1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000000
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="License Logging Service"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_LMHOSTS]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_LMHOSTS\0000]
"Service"="LmHosts"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BFC1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000000
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="TCP/IP NetBIOS Helper"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_MESSENGER]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_MESSENGER\0000]
"Service"="Messenger"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"

```

```

"ClassGUID"="{4D36E97E-E325-11CE-BFC1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000000
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="Messenger"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_MOUCLASS]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_MOUCLASS\0000]
"Service"="Mouclass"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BFC1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000008
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="Mouclass Device"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_MOUCLASS\0000\Control]
"ActiveService"="Mouclass"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_MSFS]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_MSFS\0000]
"Service"="Msfs"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BFC1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000008
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="Msfs Device"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_MSFS\0000\Control]
"ActiveService"="Msfs"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_MSSQLSERVER]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_MSSQLSERVER\0000]
"Service"="MSSQLServer"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BFC1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000008
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="MSSQLServer"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_MUP]
"NextInstance"=dword:00000001

```

```

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_MUP\0000]
"Service"="Mup"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BFC1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000008
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="Mup"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_MUP\0000\Control]
"ActiveService"="Mup"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_N100]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_N100\0000]
"Service"="N100"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BFC1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000008
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="Compaq Ethernet or Fast Ethernet NIC Driver"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_N100\0000\Control]
"ActiveService"="N100"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_NBF]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_NBF\0000]
"Service"="Nbf"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BFC1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000008
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="NetBEUI Protocol"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_NBF\0000\Control]
"ActiveService"="Nbf"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_NCR710]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_NCR710\0000]
"Service"="NCR710"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"

```

```

"ClassGUID"="{4D36E97E-E325-11CE-BFC1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000000
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="NCR710 Device"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_NDIS]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_NDIS\0000]
"Service"="NDIS"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BFC1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000008
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="Microsoft NDIS System Driver"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_NDIS\0000\Control]
"ActiveService"="NDIS"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_NETBIOS]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_NETBIOS\0000]
"Service"="NetBIOS"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BFC1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000000
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="NetBIOS Interface"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_NETBT]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_NETBT\0000]
"Service"="NetBT"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BFC1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000008
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="WINS Client (TCP/IP)"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_NETBT\0000\Control]
"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"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BFC1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000000
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="NetDetect"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_NPFS]
"NextInstance"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_NPFS\0000]
"Service"="Npfs"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BFC1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000008
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="Npfs Device"
```

```
[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"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BFC1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000008
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="Ntfs Device"
```

```
[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"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BFC1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000000
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="NT LM Security Support Provider"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_NULL]
"NextInstance"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_NULL\0000]
"Service"="Null"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BFC1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000008
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="Null Device"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_NULL\0000\Control]
"ActiveService"="Null"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_PARALLEL]
"NextInstance"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_PARALLEL\0000]
"Service"="Parallel"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BFC1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000008
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="Parallel Device"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_PARALLEL\0000\Control]
"ActiveService"="Parallel"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_PARPORT]
"NextInstance"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_PARPORT\0000]
"Service"="Parport"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BFC1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000008
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="Parport Device"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_PARPORT\0000\Control]
"ActiveService"="Parport"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_PARVDM]
"NextInstance"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_PARVDM\0000]
"Service"="ParVdm"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BFC1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000008
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="ParVdm Device"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_PARVDM\0000\Control]
"ActiveService"="ParVdm"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_PRLNTSS]
"NextInstance"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_PRLNTSS\0000]
"Service"="PRLNTSS"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BFC1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000008
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="Compaq ProLiant Storage System Driver"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_PRLNTSS\0000\Control]
"ActiveService"="PRLNTSS"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_PROKDD]
"NextInstance"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_PROKDD\0000]
"Service"="PROKDD"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BFC1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000000
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="PROKDD"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_PROTECTEDSTORAGE]
"NextInstance"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_PROTECTEDSTORAGE\0000]
"Service"="ProtectedStorage"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BFC1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000000
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="Protected Storage"
```

```

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_RDR]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_RDR\0000]
"Service"="Rdr"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BFC1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000008
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="Rdr"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_RDR\0000\Control]
"ActiveService"="Rdr"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_RPCSS]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_RPCSS\0000]
"Service"="RpcSs"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BFC1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000008
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="Remote Procedure Call (RPC) Service"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_RPCSS\0000\Control]
"ActiveService"="RpcSs"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_SCSISCAN]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_SCSISCAN\0000]
"Service"="Scsiscan"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BFC1-08002BE10318}"
"Problem"=dword:0000000a
"StatusFlags"=dword:00000400
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="Scsiscan Device"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_SCSISCAN\0000\Control]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_SERIAL]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_SERIAL\0000]

```

```

"Service"="Serial"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BFC1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000008
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="Serial Device"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_SERIAL\0000\Control]
"ActiveService"="Serial"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_SPOOLER]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_SPOOLER\0000]
"Service"="Spooler"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BFC1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000000
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="Spooler Service"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_SRV]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_SRV\0000]
"Service"="Srv"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BFC1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000000
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="Srv"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_SYMC810]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_SYSDOWN]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_SYSDOWN\0000]
"Service"="SysDown"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BFC1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000008
"BaseDevicePath"="HTREE\ROOT\0"
"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"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BFC1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000008
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="Compaq System Management Driver"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_SYSMGMT\0000\Control]
"ActiveService"="SysMgmt"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_TCPIP]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_TCPIP\0000]
"Service"="Tcpip"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BFC1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000008
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="TCP/IP Service"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_TCPIP\0000\Control]
"ActiveService"="Tcpip"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_VGASAVE]
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_VGASAVE\0000]
"Service"="VgaSave"
"FoundAtEnum"=dword:00000001
"Class"="Unknown"
"ClassGUID"="{4D36E97E-E325-11CE-BFC1-08002BE10318}"
"Problem"=dword:00000000
"StatusFlags"=dword:00000008
"BaseDevicePath"="HTREE\ROOT\0"
"DeviceDesc"="VgaSave Device"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\LEGACY_VGASAVE\0000\Control]
"ActiveService"="VgaSave"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\SCSIADAPTER]

```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\SCSIADAPTER\OEM0.INF&CPQSMRT2]
"BaseDevicePath"="HTREE\ROOT\0"
"FoundAtEnum"=dword:00000001
"ClassGUID"="{4D36E97B-E325-11CE-BF01-08002BE10318}"
"Class"="SCSIAdapter"
"StatusFlags"=dword:00000008
"Driver"="{4D36E97B-E325-11CE-BF01-08002BE10318}\0003"
"Service"="CpqSMRT2"
"Mfg"="(Additional models)"
"DeviceDesc"="Compaq SMART-2 Array Controllers ECI Driver"
"ConfigFlags"=dword:00000000
"Problem"=dword:00000000
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\Root\SCSIADAPTER\OEM0.INF&CPQSMRT2\Control]
"ActiveService"="CpqSMRT2"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware Profiles]
```

```
[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\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\Class]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware Profiles\0001\System\CurrentControlSet\Enum]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware Profiles\0001\System\CurrentControlSet\Services]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware Profiles\0001\System\CurrentControlSet\Services\ati]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware Profiles\0001\System\CurrentControlSet\Services\ati\Device0]
"DefaultSettings.BitsPerPel"=dword:00000008
"DefaultSettings.XResolution"=dword:00000400
"DefaultSettings.YResolution"=dword:00000300
"DefaultSettings.VRefresh"=dword:0000003c
"DefaultSettings.Flags"=dword:00000000
"DefaultSettings.XPanning"=dword:00000000
"DefaultSettings.YPanning"=dword:00000000
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware Profiles\0001\System\CurrentControlSet\Services\VgaSave]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware Profiles\0001\System\CurrentControlSet\Services\VgaSave\Device0]
"DefaultSettings.BitsPerPel"=dword:00000004
"DefaultSettings.XResolution"=dword:00000280
"DefaultSettings.YResolution"=dword:000001e0
"DefaultSettings.VRefresh"=dword:00000001
"DefaultSettings.Flags"=dword:00000000
"DefaultSettings.XPanning"=dword:00000000
"DefaultSettings.YPanning"=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\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\Classes]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware Profiles\Current\System\CurrentControlSet\Enum]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware Profiles\Current\System\CurrentControlSet\Services]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware Profiles\Current\System\CurrentControlSet\Services\ati]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware Profiles\Current\System\CurrentControlSet\Services\ati\Device0]
"DefaultSettings.BitsPerPel"=dword:00000008
"DefaultSettings.XResolution"=dword:00000400
"DefaultSettings.YResolution"=dword:00000300
"DefaultSettings.VRefresh"=dword:0000003c
"DefaultSettings.Flags"=dword:00000000
"DefaultSettings.XPanning"=dword:00000000
"DefaultSettings.YPanning"=dword:00000000
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware Profiles\Current\System\CurrentControlSet\Services\VgaSave]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Hardware Profiles\Current\System\CurrentControlSet\Services\VgaSave\Device0]
"DefaultSettings.BitsPerPel"=dword:00000004
```

```
"DefaultSettings.XResolution"=dword:00000280
"DefaultSettings.YResolution"=dword:000001e0
"DefaultSettings.VRefresh"=dword:00000001
"DefaultSettings.Flags"=dword:00000000
"DefaultSettings.XPanning"=dword:00000000
"DefaultSettings.YPanning"=dword:00000000
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Abiosdisk]
"Type"=dword:00000001
"Start"=dword:00000004
"ErrorControl"=dword:00000000
"Group"="Primary disk"
"Tag"=dword:00000003
```

```
[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"
"DependOnGroup"=hex(7):00,00
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Afd\Linkage]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Afd\Linkage\Disabled]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Afd\Parameters]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Afd\Security]
"Security"=hex:01,00,14,80,c0,00,00,00,cc,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,\
```

```
00,00,20,02,00,00,02,00,8c,00,05,00,00,00,00,18,00,8d,01,02,00,01,01,00,\
```

```
00,00,00,00,01,00,00,00,00,70,00,69,00,00,00,1c,00,fd,01,02,00,01,02,00,00,\
```

```
00,00,00,05,20,00,00,00,23,02,00,00,70,00,00,00,00,1c,00,ff,01,0f,00,01,\
```

```
02,00,00,00,00,00,05,20,00,00,00,20,02,00,00,70,00,00,00,00,1c,00,ff,01,\
```

```
0f,00,01,02,00,00,00,00,05,20,00,00,00,25,02,00,00,70,00,00,00,00,18,\
```

```

00,fd,01,02,00,01,01,00,00,00,00,05,12,00,00,00,25,
,02,00,00,01,01,00,00,\

00,00,00,05,12,00,00,00,01,01,00,00,00,00,05,12,00,
,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Afd\Enum]
"0"="Root\LEGACY_AFD\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Aha154x]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="SCSI miniport"
"ErrorControl"=dword:00000001
"Tag"=dword:00000006

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Aha174x]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="SCSI miniport"
"ErrorControl"=dword:00000001
"Tag"=dword:00000008

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\aic78xx]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="SCSI miniport"
"ErrorControl"=dword:00000001
"Tag"=dword:0000001e

[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,74,2
5,5c,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,72,6
b,73,74,61,74,69,6f,6e,00,\
00
"DependOnGroup"=hex(7):00
"ObjectName"="LocalSystem"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Alerter\Linkage]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Alerter\Linkage\Disabled]

[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,c0,00,00,00,cc,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,
,00,00,00,00,01,00,00,\

00,00,20,02,00,00,02,00,8c,00,05,00,00,00,00,00,18,00
,8d,01,02,00,01,01,00,\

00,00,00,00,01,00,00,00,00,25,02,00,00,00,00,1c,00,fd
,01,02,00,01,02,00,00,\

00,00,00,05,20,00,00,00,23,02,00,00,04,00,04,00,00,00
,1c,00,ff,01,0f,00,01,\

02,00,00,00,00,00,05,20,00,00,00,20,02,00,00,04,00,04
,00,00,00,1c,00,ff,01,\

0f,00,01,02,00,00,00,00,00,05,20,00,00,00,25,02,00,00
,04,00,04,00,00,00,18,\

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
\Alerter\Enum]
"0"="Root\LEGACY_ALERTER\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Always]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="SCSI miniport"
"ErrorControl"=dword:00000001
"Tag"=dword:00000014

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\ami0nt]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="SCSI miniport"
"ErrorControl"=dword:00000001
"Tag"=dword:0000000d

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\amsint]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="SCSI miniport"
"ErrorControl"=dword:00000001
"Tag"=dword:00000024

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Arrow]
"Type"=dword:00000001
"Start"=dword:00000004

```

```

"Group"="SCSI miniport"
"ErrorControl"=dword:00000001
"Tag"=dword:00000015

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Ataman Rexecd Server]
"Type"=dword:00000010
"Start"=dword:00000004
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):43,3a,5c,61,74,61,6d,61,6e,5c,52,4
5,58,45,43,44,2e,45,58,45,\
00
"DisplayName"="Ataman Rexecd Server"
"ObjectName"="LocalSystem"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Ataman Rexecd Server\Security]
"Security"=hex:01,00,14,80,c0,00,00,00,cc,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,
,00,00,00,00,01,00,00,\

00,00,20,02,00,00,02,00,8c,00,05,00,00,00,00,00,18,00
,8d,01,02,00,01,01,00,\

00,00,00,00,01,00,00,00,00,74,00,6f,00,00,00,1c,00,fd
,01,02,00,01,02,00,00,\

00,00,00,05,20,00,00,00,23,02,00,00,72,00,00,00,00,00
,1c,00,ff,01,0f,00,01,\

02,00,00,00,00,00,05,20,00,00,00,20,02,00,00,72,00,00
,00,00,00,1c,00,ff,01,\

0f,00,01,02,00,00,00,00,00,05,20,00,00,00,25,02,00,00
,72,00,00,00,00,00,18,\

00,fd,01,02,00,01,01,00,00,00,00,00,05,12,00,00,00,25
,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
\Ataman Rexecd Server\Enum]
"0"="Root\LEGACY_ATAMAN REXECD SERVER\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Ataman Rlogind Server]
"Type"=dword:00000010
"Start"=dword:00000004
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):43,3a,5c,61,74,61,6d,61,6e,5c,52,4
c,4f,47,49,4e,44,2e,45,58,\
45,00
"DisplayName"="Ataman Rlogind Server"
"ObjectName"="LocalSystem"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Ataman Rlogind Server\Security]

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"Security"=hex:01,00,14,80,c0,00,00,00,cc,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,\
00,00,20,02,00,00,02,00,8c,00,05,00,00,00,00,00,18,00,8d,01,02,00,01,01,00,\
00,00,00,01,00,00,00,00,74,00,6f,00,00,00,1c,00,fd,01,02,00,01,02,00,00,\
00,00,00,05,20,00,00,00,23,02,00,00,72,00,00,00,00,00,1c,00,ff,01,0f,00,01,\
02,00,00,00,00,00,05,20,00,00,00,20,02,00,00,72,00,00,00,00,1c,00,ff,01,0f,00,01,\
0f,00,01,02,00,00,00,00,00,05,20,00,00,00,25,02,00,00,72,00,00,00,00,00,18,\
00,fd,01,02,00,01,01,00,00,00,00,05,12,00,00,00,25,02,00,00,01,01,00,00,\
00,00,00,05,12,00,00,00,01,01,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Ataman Rlogind Server\Enum]
"0"="Root\LEGACY_ATAMAN RLOGIND SERVER\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Ataman TCP Remote Logon Services]
"Type"=dword:00000010
"Start"=dword:00000004
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):43,3a,5c,61,74,61,6d,61,6e,5c,61,74,72,6c,73,2e,65,78,65,00
"DisplayName"="Ataman TCP Remote Logon Services"
"ObjectName"="LocalSystem"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Ataman TCP Remote Logon Services\Security]
"Security"=hex:01,00,14,80,c0,00,00,00,cc,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,\
00,00,20,02,00,00,02,00,8c,00,05,00,00,00,00,00,18,00,8d,01,02,00,01,01,00,\
00,00,00,01,00,00,00,00,74,00,69,00,00,00,1c,00,fd,01,02,00,01,02,00,00,\
00,00,00,05,20,00,00,00,23,02,00,00,76,00,65,00,00,00,1c,00,ff,01,0f,00,01,\
02,00,00,00,00,00,05,20,00,00,00,20,02,00,00,76,00,65,00,00,00,1c,00,ff,01,0f,00,01,\
00,00,00,1c,00,ff,01,0f,00,01,\

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0f,00,01,02,00,00,00,00,00,05,20,00,00,00,25,02,00,00,76,00,65,00,00,00,18,\
00,fd,01,02,00,01,01,00,00,00,00,00,05,12,00,00,00,25,02,00,00,01,01,00,00,\
00,00,00,05,12,00,00,00,01,01,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Ataman TCP Remote Logon Services\Enum]
"0"="Root\LEGACY_ATAMAN TCP REMOTE LOGON SERVICES\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Ataman Telnetd Server]
"Type"=dword:00000010
"Start"=dword:00000004
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):43,3a,5c,61,74,61,6d,61,6e,5c,54,45,4c,4e,45,54,44,2e,45,58,\
45,00
"DisplayName"="Ataman Telnetd Server"
"ObjectName"="LocalSystem"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Ataman Telnetd Server\Security]
"Security"=hex:01,00,14,80,c0,00,00,00,cc,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,\
00,00,20,02,00,00,02,00,8c,00,05,00,00,00,00,00,18,00,8d,01,02,00,01,01,00,\
00,00,00,01,00,00,00,00,74,00,69,00,00,00,1c,00,fd,01,02,00,01,02,00,00,\
00,00,00,05,20,00,00,00,23,02,00,00,76,00,65,00,00,00,1c,00,ff,01,0f,00,01,\
02,00,00,00,00,00,05,20,00,00,00,20,02,00,00,76,00,65,00,00,00,1c,00,ff,01,0f,00,01,\
0f,00,01,02,00,00,00,00,00,05,20,00,00,00,25,02,00,00,76,00,65,00,00,00,18,\
00,fd,01,02,00,01,01,00,00,00,00,05,12,00,00,00,25,02,00,00,01,01,00,00,\
00,00,00,05,12,00,00,00,01,01,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Ataman Telnetd Server\Enum]
"0"="Root\LEGACY_ATAMAN TELNETD SERVER\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\atap1]
"Type"=dword:00000001
"Start"=dword:00000000
"Group"="SCSI miniport"
"ErrorControl"=dword:00000001
"Tag"=dword:00000019
"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
"PlugPlayServiceType"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\atap1\Enum]
"0"="Root\LEGACY_ATAPI\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Atdisk]
"Type"=dword:00000001
"Start"=dword:00000004
"ErrorControl"=dword:00000000
"Group"="Primary disk"
"Tag"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\ati]
"Type"=dword:00000001
"Start"=dword:00000001
"Group"="Video"
"ErrorControl"=dword:00000000
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,44,52,49,56,45,52,53,5c,61,74,69,\
2e,73,79,73,00
"Tag"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\ati\Device0]
"VgaCompatible"=dword:00000000
"InstalledDisplayDrivers"=hex(7):61,74,69,00,00
"Device Description"="ATI Technologies Inc. 3D RAGE IIC"
"AllowedPixelFormat"=hex:00
"AllowedRefreshRate"=hex:00
"AllowedResolution"=hex:00
"BlockWriteDisabled"=dword:00000000
"DDC2Disabled"=dword:00000000
"FastFillDisabled"=dword:00000000
"HDTVEnabled"=dword:00000000
"TimingSelection"=dword:00000002
"HardwareInformation.Crc32"=hex:0e,a6,0c,ca
"DDC2Supported"=hex:00,00,00,00
"FileToRead"=hex:5c,00,53,00,79,00,73,00,74,00,65,00,6d,00,52,00,6f,00,6f,00,\
74,00,5c,00,53,00,79,00,73,00,74,00,65,00,6d,00,33,00,32,00,5c,00,64,00,72,\
00,69,00,76,00,65,00,72,00,73,00,5c,00,61,00,74,00,69,00,76,00,64,00,69,00,\
66,00,2e,00,64,00,61,00,74,00,00,00

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"HardwareInformation.ChipType"=hex:41,00,54,00,49,00,20,00,33,00,44,00,20,00,\
52,00,41,00,47,00,45,00,20,00,49,00,49,00,43,00,20,00,28,00,47,00,54,00,2d,\
00,42,00,33,00,55,00,31,00,29,00,00,00
"HardwareInformation.DacType"=hex:41,00,54,00,49,00,20,00,49,00,6e,00,74,00,65,\
00,72,00,6e,00,61,00,6c,00,20,00,44,00,41,00,43,00,00,00
"HardwareInformation.MemorySize"=hex:00,00,20,00
"HardwareInformation.AdapterString"=hex:41,00,54,00,49,00,20,00,47,00,72,00,61,\
00,70,00,68,00,69,00,63,00,73,00,20,00,41,00,63,00,63,00,65,00,6c,00,65,00,\
72,00,61,00,74,00,6f,00,72,00,00,00
"HardwareInformation.BiosString"=hex:53,00,47,00,52,00,41,00,4d,00,20,00,42,00,\
49,00,4f,00,53,00,20,00,33,00,2e,00,30,00,39,00,35,00,00,00
"MonitorID"=hex:00,00,00,00,00,00,47,00,65,00,6e,00,65,00,72,00,69,00,63,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,\
"CustomCRTTimings"=hex:00
"TVOutAdjustments"=hex:00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\ati\Enum]
"0"="Root\LEGACY_ATI\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Beep]
"Type"=dword:00000001
"Start"=dword:00000001
"Group"="Base"
"ErrorControl"=dword:00000001
"Tag"=dword:00000002

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Beep\Enum]
"0"="Root\LEGACY_BEEP\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Browser]
"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,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,53,65,72,76,65,72,00,4c,6d,48,6f,73,74,73,00,00
"DependOnGroup"=hex(7):00
"ObjectName"="LocalSystem"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Browser\Linkage]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Browser\Linkage\Disabled]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Browser\Parameters]
"MaintainServerList"="Auto"
"IsDomainMaster"="FALSE"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Browser\Security]
"Security"=hex:01,00,14,80,c0,00,00,00,cc,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,\
00,00,20,02,00,00,02,00,8c,00,05,00,00,00,00,18,00,8d,01,02,00,01,01,00,\
00,00,00,00,01,00,00,00,72,00,76,00,00,00,1c,00,fd,01,02,00,01,02,00,00,\
00,00,00,05,20,00,00,00,23,02,00,00,69,00,63,00,00,00,1c,00,ff,01,0f,00,01,\
02,00,00,00,00,05,20,00,00,00,20,02,00,00,69,00,63,00,00,00,1c,00,ff,01,\
0f,00,01,02,00,00,00,00,05,20,00,00,00,25,02,00,00,69,00,63,00,00,00,18,\
00,fd,01,02,00,01,01,00,00,00,00,05,12,00,00,25,02,00,00,01,01,00,00,\
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\Browser\Enum]
"0"="Root\LEGACY_BROWSER\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\BusLogic]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="SCSI miniport"
"ErrorControl"=dword:00000001
"Tag"=dword:0000001b

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Busmouse]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="Pointer Port"
"ErrorControl"=dword:00000000
"Tag"=dword:00000003

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Busmouse\Parameters]
"MouseDataQueueSize"=dword:00000064
"NumberOfButtons"=dword:00000002
"SampleRate"=dword:00000032
"PointerDeviceBaseName"="PointerPort"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Cdaudio]
"Type"=dword:00000001
"Start"=dword:00000001
"Group"="Filter"
"ErrorControl"=dword:00000000
"Tag"=dword:00000006

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Cdaudio\Enum]
"Count"=dword:00000000
"NextInstance"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Cdfs]
"Type"=dword:00000002
"Start"=dword:00000004
"Group"="File system"
"ErrorControl"=dword:00000001
"DependOnGroup"=hex(7):53,43,53,49,20,43,44,52,4f,4d,20,43,6c,61,73,73,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Cdfs\Enum]
"0"="Root\LEGACY_CDFS\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Cdrom]
"Type"=dword:00000001
"Start"=dword:00000001
"Group"="SCSI CDROM Class"
"ErrorControl"=dword:00000000
"Tag"=dword:00000002
"DependOnGroup"=hex(7):53,43,53,49,20,6d,69,6e,69,70,6f,72,74,00,00
"Autorun"=dword:00000001

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Cdrom\Enum]
"0"="Root\LEGACY_CDROM\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Changer]
"Type"=dword:00000001
"Start"=dword:00000001
"Group"="Filter"
"ErrorControl"=dword:00000000
"Tag"=dword:00000005

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Changer\Enum]
"Count"=dword:00000000
"NextInstance"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\cirrus]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="Video"
"ErrorControl"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\cirrus\Device0]
"VgaCompatible"=dword:00000001
"InstalledDisplayDrivers"=hex(7):76,67,61,00,63,69,72,72,75,73,00,76,67,61,32,\
35,36,00,76,67,61,36,34,4b,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\ClipSrv]
"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,73,79,73,74,65,6d,33,\
32,5c,63,6c,69,70,73,72,76,2e,65,78,65,00
"DependOnService"=hex(7):4e,65,74,44,44,45,00,00
"DisplayName"="ClipBook Server"
"ObjectName"="LocalSystem"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\ClipSrv\Security]
"Security"=hex:01,00,14,80,9c,00,00,00,a8,00,00,00,14,00,00,00,34,00,00,00,02,\
00,20,00,01,00,00,02,80,18,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,02,00,02,00,68,00,04,00,00,00,00,03,18,00,8d,00,02,00,01,01,00,\
00,00,00,01,00,00,00,00,00,00,00,00,00,03,18,00,ff,01,0f,00,01,02,00,00,\
00,00,05,20,00,00,00,20,02,00,00,00,03,18,00,8f,00,02,00,01,02,00,00,00,\

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00,00,05,20,00,00,00,23,02,00,00,03,18,00,9d,00,00,00,01,01,00,00,00,00,\
00,05,04,00,00,00,23,02,00,00,01,01,00,00,00,00,05,12,00,00,00,01,01,00,\
00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\cpq32fs2]
"Type"=dword:00000001
"Start"=dword:00000000
"ErrorControl"=dword:00000001
"Tag"=dword:0000001a
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,44,52,49,56,45,52,53,5c,63,70,71,\
33,32,66,73,32,2e,73,79,73,00
"Group"="SCSI Miniport"
"PlugPlayServiceType"=dword:00000001
"RequestedSystemResources"=hex(a):48,01,00,00,05,00,0,00,00,00,00,2d,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,01,00,00,00,01,00,01,00,09,00,00,00,\
00,02,03,00,00,00,00,35,00,00,00,35,00,00,00,00,00,00,00,00,00,00,00,\
00,00,00,00,00,00,01,01,01,00,01,00,00,00,00,01,00,00,01,00,00,00,2c,\
00,00,00,00,00,ff,2c,00,00,00,00,00,00,08,01,01,00,01,00,00,00,01,00,\
00,00,01,03,01,00,\
00,00,00,00,01,00,00,00,01,00,00,00,ca,f7,00,00,00,00,ff,00,ca,f7,00,\
00,00,00,08,03,01,00,00,00,00,00,01,00,00,00,01,00,00,00,ca,f7,00,00,\
00,00,ff,00,ca,f7,00,00,00,08,03,01,00,00,00,00,00,01,00,00,00,00,00,\
00,00,00,c9,f7,00,00,00,ff,0f,c9,f7,00,00,00,00,01,03,01,00,00,00,00,\
00,10,00,00,00,10,00,00,00,c9,f7,00,00,00,ff,0f,c9,f7,00,00,00,08,\
03,01,00,00,00,00,10,00,00,10,00,00,10,00,00,00,ca,f7,00,00,00,ff,00,\
ca,f7,00,00,00,08,03,01,00,00,00,00,10,00,00,10,00,00,00,00,c9,\
f7,00,00,00,ff,0f,c9,f7,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\cpq32fs2\Parameters]

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\cpq32fs2\Parameters\Device]
"NumberOfRequests"=dword:000000a4

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\cpq32fs2\Security]
"Security"=hex:01,00,14,80,c0,00,00,0c,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,\
00,00,20,02,00,00,02,00,8c,00,05,00,00,00,00,18,00,8d,01,02,00,01,01,00,\
00,00,00,00,01,00,00,00,74,00,69,00,00,00,1c,00,fd,01,02,00,01,02,00,00,\
00,00,00,05,20,00,00,23,02,00,00,76,00,65,00,00,00,1c,00,ff,01,0f,00,01,\
02,00,00,00,00,05,20,00,00,20,02,00,00,76,00,65,00,00,1c,00,ff,01,\
0f,00,01,02,00,00,00,00,05,20,00,00,25,02,00,00,76,00,65,00,00,18,\
00,fd,01,02,00,01,01,00,00,00,05,12,00,00,00,25,02,00,00,01,01,00,00,\
00,00,00,05,12,00,00,00,01,01,00,00,00,00,05,12,00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\cpq32fs2\Enum]
"0"="Root\LEGACY_CPQ32FS2\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Cpqarray]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="SCSI miniport"
"ErrorControl"=dword:00000001
"Tag"=dword:00000100
"ImagePath"=hex(2):5c,53,79,73,74,65,6d,52,6f,6f,74,5c,53,79,73,74,65,6d,33,32,\
5c,44,52,49,56,45,52,53,5c,63,70,71,61,72,72,61,79,2e,73,79,73,00
"PlugPlayServiceType"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\cpqarray2]
"Type"=dword:00000001
"Start"=dword:00000000
"ErrorControl"=dword:00000001
"Tag"=dword:00000102
"ImagePath"="System32\drivers\CPQARRAY2.SYS"
"Group"="SCSI Miniport"
"PlugPlayServiceType"=dword:00000001

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"RequestedSystemResources"=hex(a):c8,00,00,00,05,00,0
0,00,04,00,00,00,05,00,00,\

00,00,00,00,00,00,00,00,00,00,00,00,00,01,00,00,00,01
,00,01,00,05,00,00,00,\

00,02,03,00,00,00,00,00,14,00,00,00,14,00,00,00,00,00,00
,00,00,00,00,00,00,\

00,00,00,00,00,00,00,01,03,01,00,00,00,00,00,00,10,00
,00,00,10,00,00,00,00,\

ed,f7,00,00,00,00,ff,0f,ed,f7,00,00,00,00,08,03,01,00
,00,00,00,00,00,10,00,\

00,00,10,00,00,00,00,ed,f7,00,00,00,00,ff,0f,ed,f7,00
,00,00,01,01,01,00,\

01,00,00,00,00,01,00,00,00,01,00,00,00,4c,00,00,00,00
,00,00,ff,4c,00,00,00,\

00,00,00,08,01,01,00,01,00,00,00,01,00,00,00,01,00,00
,00,00,4c,00,00,00,00,\
    00,00,ff,4c,00,00,00,00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\cpqarry2\Parameters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\cpqarry2\Parameters\Device]
"NumberOfRequests"=dword:00000080

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\cpqarry2\Security]
"Security"=hex:01,00,14,80,c0,00,00,00,cc,00,00,00,14
,00,00,00,34,00,00,02,\

00,20,00,01,00,00,02,80,18,00,ff,01,0f,00,01,01,00
,00,00,00,00,01,00,00,\

00,00,20,02,00,00,02,00,8c,00,05,00,00,00,00,18,00
,8d,01,02,00,01,01,00,\

00,00,00,00,01,00,00,00,00,74,00,69,00,00,00,1c,00,fd
,01,02,00,01,02,00,00,\

00,00,00,05,20,00,00,00,23,02,00,00,76,00,65,00,00,00
,1c,00,ff,01,0f,00,01,\

02,00,00,00,00,05,20,00,00,00,20,02,00,00,76,00,65
,00,00,00,1c,00,ff,01,\

0f,00,01,02,00,00,00,00,05,20,00,00,00,25,02,00,00
,76,00,65,00,00,00,18,\

00,fd,01,02,00,01,01,00,00,00,00,05,12,00,00,00,25
,02,00,00,01,01,00,00,\

00,00,00,05,12,00,00,00,01,01,00,00,00,00,05,12,00
,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\CPQDAEN]

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"DisplayName"="Compaq Drive Array Event Notification
Driver"
"ErrorControl"=dword:00000001
"Group"="SCSI class"
"ImagePath"="System32\drivers\CPQDAEN.SYS"
"Start"=dword:00000001
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\CPQDAEN\Enum]
"0"="Root\LEGACY_CPQDAEN\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\CPQDAEN\Logs]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\cpqfws2e]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="SCSI miniport"
"ErrorControl"=dword:00000001
"Tag"=dword:00000026

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\cpqfws2e\Enum]
"0"="Root\LEGACY_CPQFWS2E\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\CPQRMC]
"Type"=dword:00000110
"Start"=dword:00000002
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):53,59,53,54,45,4d,33,32,5c,43,50,5
1,52,43,4d,43,2e,45,58,45,\
    00
"DisplayName"="Compaq Remote Monitor Service"
"DependOnService"=hex(7):53,79,73,4d,67,6d,74,00,00
,61,73,65,00,00
"ObjectName"="LocalSystem"
"Tag"=dword:00000003
"Group"="CPQRMC"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\CPQRMC\Linkage]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\CPQRMC\Linkage\Disabled]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\CPQRMC\Parameters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\CPQRMC\Security]
"Security"=hex:01,00,14,80,c0,00,00,00,cc,00,00,00,14
,00,00,00,34,00,00,02,\

00,20,00,01,00,00,02,80,18,00,ff,01,0f,00,01,01,00
,00,00,00,00,01,00,00,\

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00,00,20,02,00,00,02,00,8c,00,05,00,00,00,00,18,00
,8d,01,02,00,01,01,00,\

00,00,00,00,01,00,00,00,00,60,12,15,00,00,00,1c,00,fd
,01,02,00,01,02,00,00,\

00,00,00,05,20,00,00,00,23,02,00,00,00,00,00,00,00
,1c,00,ff,01,0f,00,01,\

02,00,00,00,00,00,05,20,00,00,00,20,02,00,00,00,00
,00,00,00,1c,00,ff,01,\

0f,00,01,02,00,00,00,00,05,20,00,00,00,25,02,00,00
,00,00,00,00,00,18,\

00,fd,01,02,00,01,01,00,00,00,00,05,12,00,00,00,25
,02,00,00,01,01,00,00,\

00,00,00,05,12,00,00,00,01,01,00,00,00,00,05,12,00
,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\CPQRMC\Enum]
"0"="Root\LEGACY_CPQRMC\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\CpqSMgrK]
"Group"="System Bus Extender"
"Type"=dword:00000001
"Start"=dword:00000000
"ErrorControl"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\CpqSMgrK\Enum]
"0"="Root\LEGACY_CPQSMGRK\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\CpqSMRT2]
"Type"=dword:00000001
"Start"=dword:00000000
"ErrorControl"=dword:00000001
"Tag"=dword:00000001
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,64,72,6
9,76,65,72,73,5c,43,50,51,\
    53,4d,52,54,32,2e,53,59,53,00
"Group"="Primary disk"
"PlugPlayServiceType"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\CpqSMRT2\Parameters]
"InterruptMask"=dword:fffffffb
"DynamicMask"=dword:fffffffb

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\CpqSMRT2\Security]
"Security"=hex:01,00,14,80,c0,00,00,00,cc,00,00,00,14
,00,00,00,34,00,00,02,\

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00,20,00,01,00,00,00,02,80,18,00,ff,01,0f,00,01,01,00,
00,00,00,00,01,00,00,\
00,00,20,02,00,00,02,00,8c,00,05,00,00,00,00,18,00,
8d,01,02,00,01,01,00,\
00,00,00,00,01,00,00,00,00,00,00,00,00,00,01c,00,fd,
01,02,00,01,02,00,00,\
00,00,00,05,20,00,00,00,23,02,00,00,00,00,00,00,00,
1c,00,ff,01,0f,00,01,\
02,00,00,00,00,05,20,00,00,00,20,02,00,00,00,00,00,
00,00,00,1c,00,ff,01,\
0f,00,01,02,00,00,00,00,05,20,00,00,00,25,02,00,00,
00,00,00,00,00,00,18,\
00,fd,01,02,00,01,01,00,00,00,00,05,12,00,00,00,25,
02,00,00,01,01,00,00,\
00,00,00,05,12,00,00,00,01,01,00,00,00,00,05,12,00,
00,00,
[HKKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\CpqSMRT2\Enum]
"0"="Root\SCSIADAPTER\OEM0.INF&CPQSMRT2"
"Count"=dword:00000001
"NextInstance"=dword:00000001
[HKKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\CQIMDSVC]
"Type"=dword:00000010
"Start"=dword:00000002
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):53,59,53,54,45,4d,33,32,5c,43,51,4
9,4d,44,53,56,43,2e,45,58,\
45,00
"DisplayName"="Compaq Enhanced IMD Idle Screen"
"DependOnService"=hex(7):53,59,53,4d,47,4d,54,00,00
"DependOnGroup"=hex(7):00
"ObjectName"="LocalSystem"
[HKKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\CQIMDSVC\Linkage]
[HKKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\CQIMDSVC\Linkage\Disabled]
[HKKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\CQIMDSVC\Parameters]
[HKKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\CQIMDSVC\Security]
"Security"=hex:01,00,14,80,c0,00,00,00,cc,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,
00,00,00,00,01,00,00,\
00,00,20,02,00,00,02,00,8c,00,05,00,00,00,00,18,00,
8d,01,02,00,01,01,00,\

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00,00,00,00,01,00,00,00,00,74,00,73,00,00,00,1c,00,fd,
01,02,00,01,02,00,00,\
00,00,00,05,20,00,00,00,23,02,00,00,76,00,63,00,00,00,
1c,00,ff,01,0f,00,01,\
02,00,00,00,00,05,20,00,00,00,20,02,00,00,76,00,63,
00,00,00,1c,00,ff,01,\
0f,00,01,02,00,00,00,00,05,20,00,00,00,25,02,00,00,
76,00,63,00,00,00,18,\
00,fd,01,02,00,01,01,00,00,00,00,05,12,00,00,00,25,
02,00,00,01,01,00,00,\
00,00,00,05,12,00,00,00,01,01,00,00,00,00,05,12,00,
00,00,
[HKKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\CQIMDSVC\Enum]
"0"="Root\LEGACY_CQIMDSVC\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001
[HKKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\dac960nt]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="SCSI miniport"
"ErrorControl"=dword:00000001
"Tag"=dword:00000020
[HKKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\dce376nt]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="SCSI miniport"
"ErrorControl"=dword:00000001
"Tag"=dword:00000016
[HKKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Delldsa]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="SCSI miniport"
"ErrorControl"=dword:00000001
"Tag"=dword:00000101
[HKKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Del1_DGX]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="Video"
"ErrorControl"=dword:00000000
[HKKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Del1_DGX\Device0]
"VgaCompatible"=dword:00000000
"InstalledDisplayDrivers"=hex(7):66,72,61,6d,65,62,75
,66,00,00

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[HKKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\DHCP]
"Type"=dword:00000020
"Start"=dword:00000004
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,2
5,5c,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):54,63,70,69,70,00,41,66,64,0
0,4e,65,74,42,54,00,00
"DependOnGroup"=hex(7):00
"ObjectName"="LocalSystem"
[HKKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\DHCP\Linkage]
[HKKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\DHCP\Linkage\Disabled]
[HKKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\DHCP\Parameters]
[HKKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\DHCP\Parameters\Options]
[HKKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\DHCP\Parameters\Options\1]
"RegLocation"="System\CurrentControlSet\Services\?
\Parameters\Tcpip\DhcpSubnetMaskOpt"
"KeyType"=dword:00000007
[HKKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\DHCP\Parameters\Options\15]
"RegLocation"="System\CurrentControlSet\Services\T
cpip\Parameters\DhcpDomain"
"KeyType"=dword:00000001
[HKKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\DHCP\Parameters\Options\3]
"RegLocation"="System\CurrentControlSet\Services\?
\Parameters\Tcpip\DhcpDefaultGateway"
"KeyType"=dword:00000007
[HKKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\DHCP\Parameters\Options\44]
"RegLocation"="System\CurrentControlSet\Services\N
etBT\Adapters\?\DhcpNameServer"
"KeyType"=dword:00000001
[HKKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\DHCP\Parameters\Options\46]
"RegLocation"="System\CurrentControlSet\Services\N
etBT\Parameters\DhcpNodeType"
"KeyType"=dword:00000004
[HKKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\DHCP\Parameters\Options\47]
"RegLocation"="System\CurrentControlSet\Services\N
etBT\Parameters\DhcpScopeID"
"KeyType"=dword:00000001

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\DHCP\Parameters\Options\6]
"RegLocation"="System\CurrentControlSet\Services\Tcpip\Parameters\DhcpNameServer"
"KeyType"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\DHCP\Security]
"Security"=hex:01,00,14,80,c0,00,00,00,cc,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,\
00,00,20,02,00,00,02,00,8c,00,05,00,00,00,00,18,00,8d,01,02,00,01,01,00,\
00,00,00,00,01,00,00,00,20,02,00,00,00,00,1c,00,fd,01,02,00,01,02,00,00,\
00,00,00,05,20,00,00,00,23,02,00,00,00,00,00,00,00,1c,00,ff,01,0f,00,01,\
02,00,00,00,00,00,05,20,00,00,00,20,02,00,00,00,00,00,00,1c,00,ff,01,0f,\
0f,00,01,02,00,00,00,00,00,05,20,00,00,00,25,02,00,00,00,00,00,00,00,00,18,\
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\Disk]
"Type"=dword:00000001
"Start"=dword:00000000
"Group"="SCSI Class"
"ErrorControl"=dword:00000000
"Tag"=dword:00000002
"DependOnGroup"=hex(7):53,43,53,49,20,6d,69,6e,69,70,6f,72,74,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Disk\Enum]
"0"="Root\LEGACY_DISK\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Diskperf]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="Filter"
"ErrorControl"=dword:00000001
"Tag"=dword:00000004

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Diskperf\Enum]
"0"="Root\LEGACY_DISKPERF\0000"
"Count"=dword:00000001
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"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\DptScsi]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="SCSI miniport"
"ErrorControl"=dword:00000001
"Tag"=dword:00000009

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\dtc329x]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="SCSI miniport"
"ErrorControl"=dword:00000001
"Tag"=dword:00000017

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\et4000]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="Video"
"ErrorControl"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\et4000\Device0]
"VgaCompatible"=dword:00000001
"InstalledDisplayDrivers"=hex(7):76,67,61,00,77,33,32,00,76,67,61,32,35,36,00,\
76,67,61,36,34,4b,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\EventLog]
"Type"=dword:00000020
"Start"=dword:00000002
"Group"="Event log"
"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"
"PlugPlayServiceType"=dword:00000003

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\EventLog\Application]
"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
"Retention"=dword:00093a80
"Sources"=hex(7):57,69,6e,6c,6f,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,\
65,6e,76,00,54,79,70,65,20,31,20,49,6e,73,74,61,6c,6c,65,72,00,53,51,4c,53,\
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65,72,76,65,72,50,72,6f,66,69,6c,65,72,00,53,51,4c,53,65,72,76,65,72,41,67,\
65,6e,74,00,53,51,4c,43,54,52,37,30,00,52,65,70,6c,69,63,61,74,6f,72,00,50,\
65,72,66,6d,6f,6e,00,50,65,72,66,6c,69,62,00,50,65,72,66,63,74,72,73,00,6e,\
74,62,61,63,6b,75,70,00,4d,53,53,51,4c,53,65,72,76,65,72,00,4d,53,44,54,43,\
00,4c,69,63,65,6e,73,65,53,65,72,76,69,63,65,00,4a,61,76,61,20,56,4d,00,68,\
70,6d,6f,6e,00,44,72,57,61,74,73,6f,6e,00,44,61,74,61,54,72,61,6e,73,66,6f,\
72,6d,61,74,69,6f,6e,53,65,72,76,69,63,65,73,00,41,75,74,6f,63,68,6b,00,41,\
74,61,6d,61,6e,20,54,65,6c,6e,65,74,64,20,53,65,72,76,65,72,00,41,74,61,6d,\
61,6e,20,54,43,50,20,52,65,6d,6f,74,65,20,4c,6f,67,6f,6e,20,53,65,72,76,69,\
63,65,73,00,41,74,61,6d,61,6e,20,52,6c,6f,67,69,6e,64,20,53,65,72,76,65,72,\
00,41,74,61,6d,61,6e,20,52,65,78,65,63,64,20,53,65,72,76,65,72,00,41,74,61,\
6d,61,6e,20,43,6f,6d,6d,61,6e,64,20,54,72,61,6e,73,6c,61,74,6f,72,00,41,74,\
61,6d,61,6e,20,43,6f,6d,6d,61,6e,64,20,53,74,61,61,72,74,65,72,00,41,70,70,6c,\
69,63,61,74,69,6f,6e,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\EventLog\Application\Ataman Command Starter]
"TypesSupported"=dword:00000007
"EventMessageFile"=hex(2):43,3a,5c,61,74,61,6d,61,6e,5c,73,74,61,72,74,63,6d,\
64,2e,65,78,65,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\EventLog\Application\Ataman Command Translator]
"TypesSupported"=dword:00000007
"EventMessageFile"=hex(2):43,3a,5c,61,74,61,6d,61,6e,5c,74,72,61,6e,73,63,6d,\
64,2e,65,78,65,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\EventLog\Application\Ataman Rexecd Server]
"TypesSupported"=dword:00000007
"EventMessageFile"=hex(2):43,3a,5c,61,74,61,6d,61,6e,5c,72,65,78,65,63,64,2e,\
65,78,65,00
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\EventLog\Application\Ataman Rlogind Server]
"TypesSupported"=dword:00000007
"EventMessageFile"=hex(2):43,3a,5c,61,74,61,6d,61,6e,
5c,72,6c,6f,67,69,6e,64,\
2e,65,78,65,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\EventLog\Application\Ataman TCP Remote Logon
Services]
"TypesSupported"=dword:00000007
"EventMessageFile"=hex(2):43,3a,5c,61,74,61,6d,61,6e,
5c,61,74,72,6c,73,2e,65,\
78,65,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\EventLog\Application\Ataman Telnetd Server]
"TypesSupported"=dword:00000007
"EventMessageFile"=hex(2):43,3a,5c,61,74,61,6d,61,6e,
5c,74,65,6c,6e,65,74,64,\
2e,65,78,65,00

[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\DataTransformationServices]
"EventMessageFile"="C:\MSSQL7\Binn\dtspkg.dll"
"TypesSupported"=dword:00000007

[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\hpmom]
"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\Java VM]
"EventMessageFile"="C:\WINNT\System32\vmhelper.dll"
"TypesSupported"=hex:07,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\EventLog\Application\Licenseservice]
"TypesSupported"=dword:00000007
"EventMessageFile"="%SystemRoot%\System32\llsrpc.dl
l"
```

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[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,45,4e,55,64,74,63,2e,64,6c,6c,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,45,4e,55,64,74,63,2e,64,6c,6c,00
"CategoryCount"=dword:00000006

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\EventLog\Application\MSSQLServer]
"TypesSupported"=dword:000000ff
"CategoryCount"=dword:00000008
"EventMessageFile"="C:\MSSQL7\Binn\SQLLEVN70.DLL"
"CategoryMessageFile"="C:\MSSQL7\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\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\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\Replicator]
"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,65,74,4d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\EventLog\Application\SQLCTR70]
"TypesSupported"=dword:00000007
"EventMessageFile"="C:\MSSQL7\Binn\SQLLEVN70.DLL"
```

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\EventLog\Application\SQLServerAgent]
"TypesSupported"=dword:00000007
"CategoryCount"=dword:00000004
"EventMessageFile"="C:\MSSQL7\Binn\SQLAGENT.DLL"
"CategoryMessageFile"="C:\MSSQL7\Binn\SQLAGENT.DLL"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\EventLog\Application\SQLServerProfiler]
"EventMessageFile"=hex(2):43,3a,5c,4d,53,53,51,4c,37,
5c,42,49,4e,4e,5c,43,4f,\
4d,4e,45,56,4e,54,2e,44,4c,4c,00
"CategoryMessageFile"=hex(2):43,3a,5c,4d,53,53,51,4c,
37,5c,42,49,4e,4e,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\Type 1 Installer]
"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,74,31,69,6e,73,74,61,6c,2e,64,6c,6c,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\VBRuntime]
"EventMessageFile"="C:\WINNT\System32\MSVBVM60.DLL"
"TypesSupported"=dword:00000004

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\EventLog\Application\Windows 3.1 Migration]
"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,67,6f,6e,2e,65,78,65,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\EventLog\Security]
"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
```

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"MaxSize"=dword:00080000
"Retention"=dword:00093a80
"PrimaryModule"="Security"
"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,53,41,00,53,65,63,75,72,69,74,79,\
00,00

[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\NetDDE Object]
"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\NetDDE Object\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

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\
EventLog\Security]
"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
"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
"CategoryCount"=dword:00000007
"TypesSupported"=dword:0000001c

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\
EventLog\Security\Security\ObjectNames]
"Device"=dword:00001100
"Directory"=dword:00001110
"Event"=dword:00001120
"EventPair"=dword:00001130
"File"=dword:00001140
"Key"=dword:00001150
"Mutant"=dword:00001160
"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
"IoCompletion"=dword:00001300
"MailSlot"=dword:00001140
"NamedPipe"=dword:00001140
"Channel"=dword:00001400
"WindowStation"=dword:00001a00
"Desktop"=dword:00001a10

[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_SERVER"=dword:00001500
"SAM_DOMAIN"=dword:00001510
"SAM_GROUP"=dword:00001520
"SAM_ALIAS"=dword:00001530
"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]
"Server"=dword:00001b00
"Printer"=dword:00001b10
"Document"=dword:00001b20

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\
EventLog\System]
"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
"Retention"=dword:00000000

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"Sources"=hex(7):78,67,61,00,77,6f,72,6b,73,74,61,74,69,6f,6e,00,77,65,69,74,\
65,6b,70,39,00,77,64,76,67,61,00,77,64,39,30,63,32,34,61,00,77,64,33,33,63,\
39,33,00,56,67,61,53,74,61,72,74,00,56,67,61,53,61,76,65,00,76,37,76,72,61,\
6d,00,55,50,53,00,75,6c,74,72,61,32,34,66,00,75,6c,74,72,61,31,34,66,00,75,\
6c,74,72,61,31,32,34,00,74,6d,76,31,00,74,64,69,00,54,63,70,69,70,00,74,31,\
33,62,00,74,31,32,38,00,53,79,73,4d,67,6d,74,00,53,79,73,44,6f,77,6e,00,73,\
79,6d,63,38,31,30,00,53,72,76,00,73,70,6f,63,6b,00,73,70,61,72,72,6f,77,00,\
73,6e,64,62,6c,73,74,00,73,6c,63,64,33,32,00,53,69,6d,62,61,64,00,73,66,6c,\
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,\
67,65,72,00,73,65,72,76,65,72,00,73,65,72,6d,6f,75,73,65,00,73,65,72,69,61,\
6c,00,73,63,73,69,73,63,61,6e,00,73,63,73,69,70,72,6e,74,00,73,63,73,69,70,\
6f,72,74,00,53,63,68,65,64,75,6c,65,00,53,61,76,65,20,44,75,6d,70,00,53,41,\
4d,00,73,33,00,52,64,72,00,71,76,00,71,6c,31,30,77,6e,74,00,70,73,69,64,69,\
73,70,00,50,52,4c,4e,54,53,53,00,50,72,69,6e,74,00,70,6e,70,69,73,61,00,70,\
63,6d,63,69,61,00,70,61,72,76,64,6d,00,70,61,72,70,6f,72,74,00,70,61,72,61,\
6c,6c,65,6c,00,6f,6c,69,73,63,73,69,00,6e,75,6c,6c,00,4e,74,53,65,72,76,69,\
63,65,50,61,63,6b,00,6e,74,66,73,00,6e,70,66,73,00,4e,65,74,4c,6f,67,6f,6e,\
00,4e,65,74,44,44,45,00,4e,65,74,42,54,00,4e,65,74,42,49,4f,53,00,6e,64,69,\
73,00,6e,63,72,63,37,31,30,00,6e,63,72,63,37,30,30,00,6e,63,72,37,63,32,\
32,00,6e,63,72,35,33,63,39,78,00,4e,62,66,00,4e,31,30,30,00,4d,75,70,00,6d,\
73,66,73,00,6d,73,61,64,6c,69,62,00,6d,6f,75,63,6c,61,73,73,00,4d,6f,64,65,\

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6d,00,6d,6b,65,63,72,35,78,78,00,6d,69,74,73,75,6d,69,00,6d,67,61,5f,6d,69,\

6c,00,6d,67,61,00,4c,6d,48,6f,73,74,73,00,6b,62,64,63,6c,61,73,73,00,4a,7a,\

76,78,6c,34,38,34,00,4a,61,7a,7a,53,6e,64,00,4a,61,7a,7a,47,33,36,34,00,4a,\

61,7a,7a,47,33,30,30,00,69,6e,70,6f,72,74,00,69,38,30,34,32,70,72,74,00,66,\

74,64,69,73,6b,00,66,73,5f,72,65,63,00,66,6c,6f,70,70,79,00,66,6c,61,73,68,\

70,6e,74,00,66,64,38,58,58,00,66,64,37,30,30,65,78,00,66,64,31,36,5f,37,\

30,30,00,66,61,73,74,66,61,74,00,65,76,65,6e,74,6c,6f,67,00,65,74,34,30,30,\

30,00,45,31,30,30,42,00,64,74,63,33,32,39,78,00,64,70,74,73,63,73,69,00,64,\

69,73,6b,70,65,72,66,00,64,69,73,6b,00,44,48,43,50,00,64,65,6c,6c,5f,64,67,\

78,00,64,65,6c,6c,64,73,61,00,44,43,4f,4d,00,64,63,65,33,37,36,6e,74,00,64,\

61,63,39,36,30,6e,74,00,43,51,49,4d,44,53,56,43,00,43,70,71,53,4d,52,54,32,\

00,43,50,51,53,45,54,55,00,43,50,51,52,43,4d,43,00,43,70,71,4e,46,33,00,\

63,70,71,66,77,73,32,65,00,43,50,51,44,41,45,4e,00,63,70,71,61,72,72,79,32,\

00,63,70,71,61,72,72,61,79,00,63,70,71,33,32,66,73,32,00,63,69,72,72,75,73,\

00,63,68,61,6e,67,65,72,00,63,64,72,6f,6d,00,63,64,66,73,00,63,64,61,75,64,\

69,6f,00,62,75,73,6d,6f,75,73,65,00,62,75,73,6c,6f,67,69,63,00,42,72,6f,77,\

73,65,72,00,62,65,65,70,00,61,74,69,00,61,74,64,69,73,6b,00,61,74,61,70,69,\

00,61,72,72,6f,77,00,41,70,70,6c,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,74,00,61,6c,77,61,79,73,00,41,6c,65,72,\

74,65,72,00,61,69,63,37,38,78,78,00,61,68,61,31,37,34,78,00,61,68,61,31,35,\

34,78,00,41,66,64,00,61,62,69,6f,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\Afd]  
"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\Aha174x]  
"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,4e,65,74,4d,73,67,2e,64,6c,6c,00  
"TypesSupported"=dword:00000007

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\EventLog\System\always]  
"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\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]  
"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\Application Popup]  
"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\arrow]  
"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\atapi]  
"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\atdisk]  
"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\ati]  
"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,61,74,\

69,2e,73,79,73,00  
"TypesSupported"=dword:00000007

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\EventLog\System\beep]  
"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\Browser]  
"EventMessageFile"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,53,79,73,74,\

"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\buslogic]  
"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\busmouse]  
"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,42,75,\

73,4d,6f,75,73,65,2e,73,79,73,00  
"TypesSupported"=dword:00000007

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\EventLog\System\cdaudio]  
"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\cdfis]  
"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\cdrom]  
"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\changer]  
"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\cirrus]  
"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\cpq32fs2]  
"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\cpqarray]  
"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\cpqarray2]  
"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\cpqdaen]  
"EventMessageFile"=%SystemRoot%\System32\drivers\CPQDAEN.SYS"  
"TypesSupported"=dword:00000007

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\EventLog\System\cpqfws2e]  
"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\CpqNF3]  
"TypesSupported"=dword:00000000  
"EventMessageFile"=hex(2):43,3a,5c,57,49,4e,4e,54,5c,53,59,53,54,45,4d,33,32,\

5c,4e,45,54,45,56,45,4e,54,2e,44,4c,4c,3b,43,3a,5c,57,49,4e,4e,54,5c,53,59,\

53,54,45,4d,33,32,5c,49,4f,4c,4f,47,4d,53,47,2e,44,4c,4c,3b,43,3a,5c,57,49,\

4e,4e,54,5c,53,59,53,54,45,4d,33,32,5c,44,52,49,56,45,52,53,5c,4e,45,54,46,\

4c,58,33,2e,53,59,53,00

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\EventLog\System\CPQRMC]  
"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,43,50,51,52,43,4d,43,2e,45,58,45,00  
"CategoryMessageFile"=%SystemRoot%\System32\CPQRMC.EXE"  
"CategoryCount"=dword:00000003

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\EventLog\System\CPQSETUP]  
"TypesSupported"=dword:00000000  
"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,44,4c,4c,00

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\EventLog\System\CpqSMRT2]  
"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,43,50,51,53,4d,52,54,32,2e,53,59,53,\

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,6f,67,4d,73,67,2e,64,6c,6c,00  
"TypesSupported"=dword:00000007

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\EventLog\System\CQIMDSVC]  
"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,43,51,49,4d,44,53,56,43,2e,45,58,45,00

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\EventLog\System\dac960nt]  
"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\dce376nt]  
"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  
"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

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\EventLog\System\delldds]
"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\delld_gdx]
"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\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
"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

[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\dptscsi]
"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\dtc329x]
"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\E100B]
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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,6e,65,74,65,76,65,6e,74,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\EventLog\System\et4000]
"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\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\fd7000ex]
"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\fd8XX]
"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
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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\EventLog\System\floppy]
"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\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

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\EventLog\System\ftdisk]
"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\inport]
"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,\
50,6f,72,74,2e,73,79,73,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\EventLog\System\JazzG300]
"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\JazzG364]  
"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\JazzSnd]  
"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\Jzvx1484]  
"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\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\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\mga]  
"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,6d,67,\

61,2e,73,79,73,00  
"TypesSupported"=dword:00000007

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\EventLog\System\mga\_mil]  
"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,6d,67,\

61,5f,6d,69,6c,2e,73,79,73,00  
"TypesSupported"=dword:00000007

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\EventLog\System\mitsumi]  
"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\mkccr5xx]  
"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\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,6d,6f,\

75,63,6c,61,73,73,2e,73,79,73,00  
"TypesSupported"=dword:00000007

[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\msdfs]  
"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,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,00  
"TypesSupported"=dword:00000007

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\EventLog\System\N100]  
"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,4e,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,44,72,69,76,65,72,73,5c,4e,31,\

30,30,4e,54,2e,53,79,73,00

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\EventLog\System\Nbf]  
"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\ncr53c9x]  
"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\ncr77c22]  
"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\ncrc700]  
"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\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



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"TypesSupported"=dword:00000007

[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\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,49,6f,4c,6f,67,4d,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]
"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,65,74,4d,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,4b,65,72,6e,65,6c,33,32,2e,64,6c,6c,
,00

[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\NtServicePack]

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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,73,70,6d,73,67,2e,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\oliscsi]
"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\oliscsi]
"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\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,44,72,69,
76,65,72,73,5c,50,61,\
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,44,72,69,
76,65,72,73,5c,50,61,\
72,50,6f,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\pccmia]

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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,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\npnpisa]
"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,70,6e,\
70,69,73,61,2e,73,79,73,00
"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\PRNTSS]
"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,44,72,69,76,65,72,73,5c,50,52,4c,4e,54,
53,53,2e,53,59,53,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\EventLog\System\psidisp]
"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]
"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\qv]
"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, 71, 76, \ 2e, 73, 79, 73, 00  
"TypesSupported"=dword:00000007

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\EventLog\System\Rdr]  
"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\S3]  
"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, 33, \ 2e, 73, 79, 73, 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\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\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  
"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

[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\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\scsiscan]  
"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, 44, 72, 69, 76, 65, 72, 73, 5c, 53, 65, \ 72, 69, 61, 6c, 2e, 73, 79, 73, 00  
"TypesSupported"=dword:00000007

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\EventLog\System\sermouse]  
"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, 53, 65, \ 72, 4d, 6f, 75, 73, 65, 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  
"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

[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\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\slcd32]  
"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]  
"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\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\spock]  
"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\sync810]

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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\SysDown]
"TypesSupported"=dword:00000000
"EventMessageFile"=hex(2):00
"ParameterMessageFile"=%SystemRoot%\SYSTEM32\IOLOG
MSG.DLL;%SystemRoot%\SYSTEM32\SYSDOWN.EXE"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\EventLog\System\SysMgmt]
"TypesSupported"=dword:00000007
"EventMessageFile"=%SystemRoot%\SYSTEM32\Drivers\
SYSGMT.SYS;%SystemRoot%\SYSTEM32\IOLOGMSG.DLL"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\EventLog\System\128]
"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\13b]
"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\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\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\tml1]
"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\ultra14]
"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,49,6f,4c,6f,67,4d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\EventLog\System\ultra14f]
"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\ultra24f]
"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\ultra24g]
"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\v7vram]
"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\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\VgaStart]
"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\wd33c93]

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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\wd90c24a]
"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\wdvga]
"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\weitek9]
"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,77,65,\
    69,74,65,6b,70,39,2e,73,79,73,00
"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,4e,65,74,4d,73,67,2e,64,6c,6c,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\EventLog\System\xga]
"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,78,67,\
    61,2e,73,79,73,00
"TypesSupported"=dword:00000007

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Fastfat]
"Type"=dword:00000002
"Start"=dword:00000004
"Group"="Boot file system"
"ErrorControl"=dword:00000001

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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
\Fd16_700]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="SCSI miniport"
"ErrorControl"=dword:00000001
"Tag"=dword:00000010

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Fd7000ex]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="SCSI miniport"
"ErrorControl"=dword:00000001
"Tag"=dword:0000000e

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Fd8xx]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="SCSI miniport"
"ErrorControl"=dword:00000001
"Tag"=dword:0000000f

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Fd8xx\Parameters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Fd8xx\Parameters\Device0]
"DriverParameter"="IRQ=5"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\flashpnt]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="SCSI miniport"
"ErrorControl"=dword:00000001
"Tag"=dword:00000025

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Floppy]
"Type"=dword:00000001
"Start"=dword:00000001
"Group"="Primary disk"
"ErrorControl"=dword:00000000
"Tag"=dword:00000002

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Floppy\Enum]
"0"="Root\LEGACY_FLOPPY\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Fs_Rec]
"Type"=dword:00000008
"Start"=dword:00000001
```

```
"Group"="Boot file system"
"ErrorControl"=dword:00000000

[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]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="Filter"
"ErrorControl"=dword:00000000
"Tag"=dword:00000003

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\i8042prt]
"Type"=dword:00000001
"Start"=dword:00000001
"Group"="Keyboard Port"
"ErrorControl"=dword:00000001
"Tag"=dword:00000002
"DisplayName"="i8042 Keyboard and PS/2 Mouse Port
Driver"
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,44,52,4
9,56,45,52,53,5c,69,38,30,\
34,32,70,72,74,2e,73,79,73,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\i8042prt\Parameters]
"ResendIterations"=dword:00000003
"PollingIterations"=dword:00002ee0
"PollingIterationsMaximum"=dword:00002ee0
"PollStatusIterations"=dword:00000001
"KeyboardDataQueueSize"=dword:00000064
"KeyboardDeviceBaseName"="KeyboardPort"
"MouseDataQueueSize"=dword:00000064
"NumberOfButtons"=dword:00000002
"SampleRate"=dword:0000003c
"MouseResolution"=dword:00000003
"PointerDeviceBaseName"="PointerPort"
"MouseSynchIn100ns"=dword:01312d00
"EnableWheelDetection"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\i8042prt\Description]
"\Device\KeyboardPort0"=hex:01,00,00,00,00,00,00,
16,00,00,00,00,00,00,00,\
20,00,00,00,00,00,00,00
"\Device\PointerPort0"=hex:01,00,00,00,00,00,00,00,
15,00,00,00,00,00,00,\
1f,00,00,00,00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\i8042prt\Enum]
"0"="Root\PNP030b\1_0_22_0_32_0"
"Count"=dword:00000002
"NextInstance"=dword:00000002
"1"="Root\PNP0F12\1_0_21_0_31_0"
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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\inetaccs]
@=""

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\inetaccs\Parameters]
@=""

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Inport]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="Pointer Port"
"ErrorControl"=dword:00000000
"Tag"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Inport\Parameters]
"MouseDataQueueSize"=dword:00000064
"NumberOfButtons"=dword:00000002
"SampleRate"=dword:00000032
"HzMode"=dword:00000002
"PointerDeviceBaseName"="PointerPort"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Jazzg300]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="Video"
"ErrorControl"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Jazzg300\Device0]
"VgaCompatible"=dword:00000000
"Monitor"="drivers\jazz.bvp"
"InstalledDisplayDrivers"=hex(7):66,72,61,6d,65,62,75
,66,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Jazzg364]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="Video"
"ErrorControl"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Jazzg364\Device0]
"VgaCompatible"=dword:00000000
"Monitor"="drivers\jazz.bvp"
"InstalledDisplayDrivers"=hex(7):66,72,61,6d,65,62,75
,66,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Jzvx1484]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="Video"
"ErrorControl"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Jzvx1484\Device0]
"VgaCompatible"=dword:00000000
"Monitor"="drivers\jazz.bvp"
```

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"InstalledDisplayDrivers"=hex(7):6a,7a,76,78,6c,34,38,34,00,00
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Kbdclass]
"Type"=dword:00000001
"Start"=dword:00000001
"Group"="Keyboard Class"
"ErrorControl"=dword:00000001
"Tag"=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]
"KeyboardDataQueueSize"=dword:00000064
"MaximumPortsServiced"=dword:00000003
"ConnectMultiplePorts"=dword:00000000
"KeyboardDeviceBaseName"="KeyboardClass"
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Kbdclass\Enum]
"0"="Root\LEGACY_KBDCLASS\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\KSecDD]
"Type"=dword:00000001
"Start"=dword:00000001
"Group"="Base"
"ErrorControl"=dword:00000001
"Tag"=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
"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,73,65,72,76,69,63,65,73,2e,65,78,65,00
"DisplayName"="Server"
"ObjectName"="LocalSystem"
"DependOnService"=hex(7):00
"DependOnGroup"=hex(7):54,44,49,00,00
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\LanmanServer\AutotunedParameters]
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\LanmanServer\Linkage]
"Bind"=hex(7):5c,44,65,76,69,63,65,5c,4e,65,74,42,54,5f,4e,31,30,30,31,00,5c,\

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44,65,76,69,63,65,5c,4e,62,66,5f,4e,31,30,30,31,00,00
"Export"=hex(7):5c,44,65,76,69,63,65,5c,4c,61,6e,6d,61,6e,53,65,72,76,65,72,5c,\
4e,65,74,42,54,5f,4e,31,30,30,31,00,5c,44,65,76,69,63,65,5c,4c,61,6e,6d,61,\
6e,53,65,72,76,65,72,5c,4e,62,66,5f,4e,31,30,30,31,00,00
"Route"=hex(7):22,4e,65,74,42,54,22,20,22,4e,31,30,30,22,20,22,4e,31,30,30,31,\
22,00,22,4e,62,66,22,20,22,4e,31,30,30,22,20,22,4e,31,30,30,31,22,00,00
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\LanmanServer\Linkage\Disabled]
"Bind"=hex(7):00
"Export"=hex(7):00
"Route"=hex(7):00
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\LanmanServer\Parameters]
"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,52,00,00
"NullSessionShares"=hex(7):43,4f,4d,43,46,47,00,44,46,53,24,00,00
"Size"=dword:00000003
"Lmannounce"=dword:00000000
"MaxMpxCt"=dword:000001ff
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\LanmanServer\Security]
"Security"=hex:01,00,14,80,c0,00,00,00,cc,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,\
00,00,20,02,00,00,02,00,8c,00,05,00,00,00,00,00,18,00,8d,01,02,00,01,01,00,\
00,00,00,00,01,00,00,00,20,02,00,00,00,00,1c,00,fd,01,02,00,01,02,00,00,\
00,00,00,05,20,00,00,00,23,02,00,00,54,00,00,00,00,1c,00,ff,01,0f,00,01,\
02,00,00,00,00,05,20,00,00,00,20,02,00,00,54,00,00,00,00,1c,00,ff,01,\
0f,00,01,02,00,00,00,00,05,20,00,00,00,25,02,00,00,54,00,00,00,00,00,18,\
00,fd,01,02,00,01,01,00,00,00,00,05,12,00,00,00,25,02,00,00,01,01,00,00,\

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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"
"DependOnService"=hex(7):00
"DependOnGroup"=hex(7):54,44,49,00,00
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\LanmanWorkstation\Linkage]
"Bind"=hex(7):5c,44,65,76,69,63,65,5c,4e,65,74,42,54,5f,4e,31,30,30,31,00,5c,\
44,65,76,69,63,65,5c,4e,62,66,5f,4e,31,30,30,31,00,00
"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,5c,4e,65,74,42,54,5f,4e,31,30,30,31,00,5c,44,65,76,69,63,65,5c,\
4c,61,6e,6d,61,6e,57,6f,72,6b,73,74,61,74,69,6f,6e,5c,4e,62,66,5f,4e,31,30,\30,31,00,00
"Route"=hex(7):22,4e,65,74,42,54,22,20,22,4e,31,30,30,22,20,22,4e,31,30,30,31,\
22,00,22,4e,62,66,22,20,22,4e,31,30,30,22,20,22,4e,31,30,30,31,22,00,00
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\LanmanWorkstation\Linkage\Disabled]
"Bind"=hex(7):00
"Export"=hex(7):00
"Route"=hex(7):00
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\LanmanWorkstation\networkprovider]
"Devicename"="\\Device\LanmanRedirector"
"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

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>Name="Microsoft Windows Network"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\
LanmanWorkstation\Parameters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\
LanmanWorkstation\Security]
"Security"=hex:01,00,14,80,c0,00,00,00,cc,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
,00,00,00,00,01,00,00,\

00,00,20,02,00,00,02,00,8c,00,05,00,00,00,00,18,00
,8d,01,02,00,01,01,00,\

00,00,00,01,00,00,00,00,20,02,00,00,00,00,1c,00,fd
,01,02,00,01,02,00,00,\

00,00,00,05,20,00,00,00,23,02,00,00,00,00,00,00,00
,1c,00,ff,01,0f,00,01,\

02,00,00,00,00,00,05,20,00,00,00,20,02,00,00,00,00
,00,00,00,1c,00,ff,01,\

0f,00,01,02,00,00,00,00,05,20,00,00,00,25,02,00,00
,00,00,00,00,00,18,\

00,fd,01,02,00,01,01,00,00,00,00,05,12,00,00,00,25
,02,00,00,01,01,00,00,\

00,00,00,05,12,00,00,00,01,01,00,00,00,00,05,12,00
,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\
LicenseInfo]
"ErrorControl"=dword:00000001
"Start"=dword:00000003
"Type"=dword:00000004

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\
LicenseInfo\FilePrint]
"Mode"=dword:00000001
"ConcurrentLimit"=dword:00000005
"FlipAllow"=dword:00000001
"FamilyDisplayName"="Windows NT Server"
"DisplayName"="Windows NT Server"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\
LicenseInfo\MSSQL7_00]
"DisplayName"="Microsoft SQL Server 7.0"
"ConcurrentLimit"=dword:000001f4
"FlipAllow"=dword:00000000
"FamilyDisplayName"="Microsoft SQL Server"
"Mode"=dword:00000001

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\
LicenseService]
"Type"=dword:00000010
"Start"=dword:00000003
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,2
5,5c,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\KSecDD]

[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\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,c0,00,00,00,cc,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
,00,00,00,00,01,00,00,\

00,00,20,02,00,00,02,00,8c,00,05,00,00,00,00,18,00
,8d,01,02,00,01,01,00,\

00,00,00,01,00,00,00,00,01,00,00,00,00,00,1c,00,fd
,01,02,00,01,02,00,00,\

00,00,00,05,20,00,00,00,23,02,00,00,60,01,00,00,00
,1c,00,ff,01,0f,00,01,\

02,00,00,00,00,00,05,20,00,00,00,20,02,00,00,60,01,00
,00,00,00,1c,00,ff,01,\

0f,00,01,02,00,00,00,00,05,20,00,00,00,25,02,00,00
,60,01,00,00,00,18,\

00,fd,01,02,00,01,01,00,00,00,00,05,12,00,00,00,25
,02,00,00,01,01,00,00,\

00,00,00,05,12,00,00,00,01,01,00,00,00,00,05,12,00
,00,00

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[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:00000003
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,2
5,5c,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"
"DependOnService"=hex(7):00
"DependOnGroup"=hex(7):4e,65,74,77,6f,72,6b,50,72,6f,
76,69,64,65,72,00,00
"ObjectName"="LocalSystem"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\
LmHosts\Linkage]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\
LmHosts\Linkage\Disabled]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\
LmHosts\Parameters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\
LmHosts\Security]
"Security"=hex:01,00,14,80,c0,00,00,00,cc,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
,00,00,00,00,01,00,00,\

00,00,20,02,00,00,02,00,8c,00,05,00,00,00,00,18,00
,8d,01,02,00,01,01,00,\

00,00,00,00,01,00,00,00,00,25,02,00,00,00,00,1c,00,fd
,01,02,00,01,02,00,00,\

00,00,00,05,20,00,00,00,23,02,00,00,0b,00,04,00,00,00
,1c,00,ff,01,0f,00,01,\

02,00,00,00,00,00,05,20,00,00,00,20,02,00,00,0b,00,04
,00,00,00,1c,00,ff,01,\

0f,00,01,02,00,00,00,00,05,20,00,00,00,25,02,00,00
,0b,00,04,00,00,00,18,\

00,fd,01,02,00,01,01,00,00,00,00,05,12,00,00,00,25
,02,00,00,01,01,00,00,\

00,00,00,05,12,00,00,00,01,01,00,00,00,00,05,12,00
,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\Messenger]
"Type"=dword:00000020
"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,73,65,72,76,69,63,65,73,2e,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,65,74,42,69,6f,73,00,00
"DependOnGroup"=hex(7):00
"ObjectName"="LocalSystem"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Messenger\Linkage]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Messenger\Linkage\Disabled]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Messenger\Parameters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Messenger\Security]
"Security"=hex:01,00,14,80,c0,00,00,00,cc,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,\
00,00,20,02,00,00,02,00,8c,00,05,00,00,00,00,18,00,8d,01,02,00,01,01,00,\
00,00,00,00,01,00,00,00,00,00,00,05,00,00,1c,00,fd,01,02,00,01,02,00,00,\
00,00,00,05,20,00,00,00,23,02,00,00,20,00,00,00,00,1c,00,ff,01,0f,00,01,\
02,00,00,00,00,05,20,00,00,00,20,02,00,00,20,00,00,00,00,1c,00,ff,01,\
0f,00,01,02,00,00,00,00,05,20,00,00,00,25,02,00,00,20,00,00,00,00,00,18,\
00,fd,01,02,00,01,01,00,00,00,00,05,12,00,00,00,25,02,00,00,01,01,00,00,\
00,00,05,12,00,00,00,01,01,00,00,00,00,00,05,12,00,00,00,00,00

[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\mga]
"Type"=dword:00000001

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"Start"=dword:00000004
"Group"="Video"
"ErrorControl"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\mga\Device0]
"VgaCompatible"=dword:00000000
"InstalledDisplayDrivers"=hex(7):6d,67,61,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\mga_mil]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="Video"
"ErrorControl"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\mga_mil\Device0]
"VgaCompatible"=dword:00000000
"InstalledDisplayDrivers"=hex(7):6d,67,61,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\mitsumi]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="SCSI_miniport"
"ErrorControl"=dword:00000001
"Tag"=dword:0000001f

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\mkexr5xx]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="SCSI_miniport"
"ErrorControl"=dword:00000001
"Tag"=dword:0000001d

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Modem]
"Type"=dword:00000001
"Start"=dword:00000003
"Group"="Extended_base"
"ErrorControl"=dword:00000000
"Tag"=dword:00000004
"PlugPlayServiceType"=dword:00000002

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Modem\Parameters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Mouclass]
"Type"=dword:00000001
"Start"=dword:00000001
"Group"="Pointer_Class"
"ErrorControl"=dword:00000001
"Tag"=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]

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"MouseDataQueueSize"=dword:00000064
"MaximumPortsServiced"=dword:00000003
"ConnectMultiplePorts"=dword:00000001
"PointerDeviceBaseName"="PointerClass"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Mouclass\Enum]
"0"="Root\LEGACY_MOUCLASS\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\MSDTC]
"Type"=dword:00000010
"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,6d,73,\
64,74,63,2e,65,78,65,00
"DisplayName"="MSDTC"
"Group"="MS_Transactions"
"DependOnService"=hex(7):52,50,43,53,53,00,00
"DependOnGroup"=hex(7):00
"ObjectName"="LocalSystem"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\MSDTC\Security]
"Security"=hex:01,00,14,80,c0,00,00,00,cc,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,\
00,00,20,02,00,00,02,00,8c,00,05,00,00,00,00,18,00,8d,01,02,00,01,01,00,\
00,00,00,00,01,00,00,00,00,00,76,00,63,00,00,00,1c,00,fd,01,02,00,01,02,00,00,\
00,00,00,05,20,00,00,00,23,02,00,00,00,00,00,00,1c,00,ff,01,0f,00,01,\
02,00,00,00,00,05,20,00,00,00,20,02,00,00,00,00,00,00,00,1c,00,ff,01,\
0f,00,01,02,00,00,00,00,05,20,00,00,00,25,02,00,00,00,00,00,00,00,18,\
00,fd,01,02,00,01,01,00,00,00,00,05,12,00,00,00,25,02,00,00,01,01,00,00,\
00,00,05,12,00,00,00,01,01,00,00,00,00,00,05,12,00,00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Msfs]
"Type"=dword:00000002
"Start"=dword:00000001
"Group"="File_system"
"ErrorControl"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Msfs\Enum]

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"0"=Root\\LEGACY_MSFS\\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\MSSQLServer]
"Type"=dword:00000010
"Start"=dword:00000003
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):43,3a,5c,4d,53,53,51,4c,37,5c,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\Performance]
"Collect"="CollectSQLPerformanceData"
"Library"="SQLCTR70.DLL"
"Close"="CloseSQLPerformanceData"
"Open"="OpenSQLPerformanceData"
"Last Counter"=dword:0000083a
"Last Help"=dword:0000083b
"First Counter"=dword:00000738
"First Help"=dword:00000739

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\MSSQLServer\Security]
"Security"=hex:01,00,14,80,c0,00,00,00,cc,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,\
00,00,20,02,00,00,02,00,8c,00,05,00,00,00,00,00,18,00,8d,01,02,00,01,01,00,\
00,00,00,00,01,00,00,00,00,20,02,00,00,00,00,1c,00,fd,01,02,00,01,02,00,00,\
00,00,00,05,20,00,00,00,23,02,00,00,00,00,00,00,00,00,1c,00,ff,01,0f,00,01,\
02,00,00,00,00,05,20,00,00,00,20,02,00,00,00,00,00,00,00,00,00,00,1c,00,ff,01,\
0f,00,01,02,00,00,00,00,00,05,20,00,00,00,25,02,00,00,00,00,00,00,18,\
00,fd,01,02,00,01,01,00,00,00,00,00,05,12,00,00,00,25,02,00,00,01,01,00,00,\
00,00,00,05,12,00,00,00,01,01,00,00,00,00,05,12,00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\MSSQLServer\Enum]
"0"=Root\\LEGACY_MSSQLSERVER\\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Mup]

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"Type"=dword:00000002
"Start"=dword:00000003
"DisplayName"="Mup"
"Group"="Network"
"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,6d,75,70,2e,73,79,73,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Mup\Parameters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Mup\Enum]
"0"=Root\\LEGACY_MUP\\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\N100]
"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,44,72,69,76,65,72,73,5c,4e,31,30,30,4e,54,2e,73,79,73,00
"DisplayName"="Compaq Ethernet or Fast Ethernet NIC Driver"
"Group"="NDIS"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\N100\Linkage]
"Bind"=hex(7):5c,44,65,76,69,63,65,5c,4e,31,30,30,31,00,00
"Export"=hex(7):5c,44,65,76,69,63,65,5c,4e,31,30,30,31,00,00
"Route"=hex(7):22,4e,31,30,30,31,22,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\N100\Linkage\Disabled]
"Bind"=hex(7):00
"Export"=hex(7):00
"Route"=hex(7):00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\N100\Parameters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\N100\Security]
"Security"=hex:01,00,14,80,c0,00,00,00,cc,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,00,01,01,00,00,00,00,00,01,00,00,\
00,00,20,02,00,00,02,00,8c,00,05,00,00,00,00,00,18,00,8d,01,02,00,01,01,00,\
00,00,00,00,01,00,00,00,00,51,00,4b,00,00,00,1c,00,fd,01,02,00,01,02,00,00,\

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00,00,00,05,20,00,00,00,23,02,00,00,44,00,44,00,00,00,1c,00,ff,01,0f,00,01,\
02,00,00,00,00,05,20,00,00,00,20,02,00,00,44,00,44,00,00,00,1c,00,ff,01,\
0f,00,01,02,00,00,00,00,05,20,00,00,00,25,02,00,00,44,00,44,00,00,00,18,\
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\N100\Enum]
"0"=Root\\LEGACY_N100\\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\N100\1]
"Type"=dword:00000004
"Start"=dword:00000003
"ErrorControl"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\N100\1\Linkage]
"Bind"=hex(7):5c,44,65,76,69,63,65,5c,4e,31,30,30,31,00,00
"Export"=hex(7):5c,44,65,76,69,63,65,5c,4e,31,30,30,31,00,00
"Route"=hex(7):22,4e,31,30,30,31,22,00,00,00,00,00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\N100\1\Linkage\Disabled]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\N100\1\Parameters]
"NetworkAddress"=""
"Adaptive_IFS"=dword:00000001
"NumCoalesce"=dword:00000008
"NumRfd"=dword:00000020
"NumTbdPerTcb"=dword:0000000c
"NumTcb"=dword:00000010
"Threshold"=dword:00000010
"UnderrunRetry"=dword:00000001
"LogErrorMessage"=dword:00000001
"Txmitwait"=dword:00000001
"RxDMACount"=dword:00000000
"Rx Fifo"=dword:0000000c
"TxDMACount"=dword:00000000
"Tx Fifo"=dword:00000000
"UseManualPciAssign"=dword:00000001
"BoardHasBridge"=dword:00000000
"BusTypeLocal"=dword:00000005
"UnicodeSW"=dword:00000001
"MsPciScan"=dword:00000001
"MediaType"=dword:00000001
"BusType"=dword:00000005

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"PerfOptims"=dword:00000000
"MapRegisters"=dword:00000040
"ForceDpx"=dword:00000000
"Speed"=dword:00000000
"PhySlotNumber"=dword:00000002
"BusNumber"=dword:00000004
"SlotNumber"=dword:00000002
"IRQ"=dword:00000008
"IOBaseAddress"=dword:00004000
"MemoryMappedBaseAddress"=dword:f7df0000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\N1001\Parameters\Tcpip]
"EnableDHCP"=dword:00000000
"UseZeroBroadcast"=dword:00000000
"LLInterface"=""
"PPTPFiltering"=dword:00000000
"IPAddress"=hex(7):31,33,30,2e,31,36,38,2e,32,30,32,2e,31,00,00
"SubnetMask"=hex(7):32,35,35,2e,32,35,35,2e,30,2e,30,00,00
"TCPAllowedPorts"=hex(7):30,00,00
"UDPAllowedPorts"=hex(7):30,00,00
"RawIPAllowedProtocols"=hex(7):30,00,00
"DefaultGateway"=hex(7):00,00
"IPInterfaceContext"=dword:00000001
"IPInterfaceContextMax"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Nbf]
"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,6e,62,66,2e,73,79,73,00
"DisplayName"="NetBEUI Protocol"
"Group"="PNP_TDI"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Nbf\Linkage]
"Bind"=hex(7):5c,44,65,76,69,63,65,5c,4e,31,30,30,31,00,00
"Export"=hex(7):5c,44,65,76,69,63,65,5c,4e,62,66,5f,4e,31,30,30,31,00,00
"Route"=hex(7):22,4e,31,30,30,22,20,22,4e,31,30,30,31,22,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Nbf\Linkage\Disabled]
"Bind"=hex(7):00
"Export"=hex(7):00
"Route"=hex(7):00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Nbf\Parameters]
"NbProvider"="_nb"
"MaxRequests"=dword:00000000
"MaxLinks"=dword:00000000
"MaxConnections"=dword:00000000
"MaxAddressFiles"=dword:00000000
"MaxAddresses"=dword:00000000
"DefaultT1Timeout"=dword:005b8d80

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"DefaultT2Timeout"=dword:0016e360
"DefaultT3Timeout"=dword:11e1a300
"LlcRetries"=dword:00000008
"LlcMaxWindowSize"=dword:0000000a
"MaximumIncomingFrames"=dword:00000004
"NameQueryRetries"=dword:00000003
"NameQueryTimeout"=dword:004c4b40
"AddNameQueryRetries"=dword:00000003
"AddNameQueryTimeout"=dword:004c4b40
"GeneralRetries"=dword:00000003
"GeneralTimeout"=dword:004c4b40
"WanNameQueryRetries"=dword:00000005
"UseDixOverEthernet"=dword:00000000
"QueryWithoutSourceRouting"=dword:00000000
"AllRoutesNameRecognized"=dword:00000000
"MinimumT1Timeout"=dword:00000008

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Nbf\Performance]
"Library"="Perfctrs.dll"
"Open"="OpenNbfPerformanceData"
"Collect"="CollectNbfPerformanceData"
"Close"="CloseNbfPerformanceData"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Nbf\Security]
"Security"=hex:01,00,14,80,c0,00,00,00,cc,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,\
00,00,20,02,00,00,02,00,8c,00,05,00,00,00,00,18,00,8d,01,02,00,01,01,00,\
00,00,00,00,01,00,00,00,00,74,00,42,00,00,00,1c,00,fd,01,02,00,01,02,00,00,\
00,00,00,05,20,00,00,00,23,02,00,00,54,00,00,00,00,00,1c,00,ff,01,0f,00,01,\
02,00,00,00,00,00,05,20,00,00,20,02,00,00,54,00,00,00,00,00,1c,00,ff,01,\
0f,00,01,02,00,00,00,00,05,20,00,00,00,25,02,00,00,54,00,00,00,00,00,18,\
00,fd,01,02,00,01,01,00,00,00,00,05,12,00,00,00,25,02,00,00,01,01,00,00,\
00,00,00,05,12,00,00,00,01,01,00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Nbf\Enum]
"0"="Root\LEGACY_NBF\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Ncr53c9x]
"Type"=dword:00000001
"Start"=dword:00000004

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"Group"="SCSI miniport"
"ErrorControl"=dword:00000001
"Tag"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\ncr77c22]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="Video"
"ErrorControl"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\ncr77c22\Device0]
"VgaCompatible"=dword:00000001
"InstalledDisplayDrivers"=hex(7):76,67,61,00,76,67,61,32,35,36,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Ncr700]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="SCSI miniport"
"ErrorControl"=dword:00000001
"Tag"=dword:00000004

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Ncr710]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="SCSI miniport"
"ErrorControl"=dword:00000001
"Tag"=dword:00000005

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Ncr710\Enum]
"0"="Root\LEGACY_NCR710\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS]
"Type"=dword:00000001
"Start"=dword:00000001
"Group"="NDIS"
"DisplayName"="Microsoft NDIS System Driver"
"ErrorControl"=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]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\EISA\3C592]
"Id"=dword:20596d50
"Mask"=dword:f0fffff
"Token"="3C592"

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\EISA\3C597]
"Id"=dword:70596d50
"Mask"=dword:f0ffffff
"token"="3C597"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\EISA\BONSAI]
"Id"=dword:0062110e
"Mask"=dword:00ffffff
"token"="BONSAI"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\EISA\C320TNT]
"Id"=dword:0032530e
"Mask"=dword:00ffffff
"token"="C320TNT"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\EISA\DE425]
"Id"=dword:5042a310
"Mask"=dword:f0ffffff
"token"="DE425"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\EISA\DEC300]
"Id"=dword:0230a310
"Mask"=dword:00ffffff
"token"="DEC300"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\EISA\DEC422]
"Id"=dword:2042a310
"Mask"=dword:f0ffffff
"token"="DEC422"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\EISA\DURANGO]
"Id"=dword:0260110e
"Mask"=dword:00ffffff
"token"="DURANGO"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\EISA\ELNK3EISA]
"Id"=dword:90506d50
"Mask"=dword:f0ffffff
"token"="ELNK3EISA"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\EISA\ES3210]
"Id"=dword:00012949
"Mask"=dword:00ffffff
"token"="ES3210"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\EISA\F70XX]
"Id"=dword:0006690e
"Mask"=dword:00ffffff
"token"="F70XX"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\EISA\FL32]
"Id"=dword:1010d425
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"Mask"=dword:ffffffff
"token"="FL32"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\EISA\FLNK]
"Id"=dword:00776d50
"Mask"=dword:00ffffff
"token"="FLNK"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\EISA\J2577A]
"Id"=dword:4019f022
"Mask"=dword:f0ffffff
"token"="J2577A"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\EISA\MAPLE]
"Id"=dword:0160110e
"Mask"=dword:00ffffff
"token"="MAPLE"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\EISA\NE3200]
"Id"=dword:0007cc3a
"Mask"=dword:00ffffff
"token"="NE3200"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\EISA\NETFLEX3]
"Id"=dword:20f1110e
"Mask"=dword:f0ffffff
"token"="NETFLEX3"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\EISA\NETFLEX3.1]
"Id"=dword:40f1110e
"Mask"=dword:f0ffffff
"token"="NETFLEX3"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\EISA\NETFLX]
"Id"=dword:0061110e
"Mask"=dword:00ffffff
"token"="NETFLX"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\EISA\NF3500]
"Id"=dword:0084633a
"Mask"=dword:00ffffff
"token"="NF3500"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\EISA\NPEISA.1]
"Id"=dword:0002093a
"Mask"=dword:00ffffff
"token"="NPEISA"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\EISA\NPEISA.2]
"Id"=dword:0003093a
"Mask"=dword:00ffffff
"token"="NPEISA"
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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\EISA\P1990]
"Id"=dword:00604f42
"Mask"=dword:00ffffff
"token"="P1990"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\EISA\RODAN]
"Id"=dword:0063110e
"Mask"=dword:00ffffff
"token"="RODAN"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\EISA\SKETHNT]
"Id"=dword:0002644d
"Mask"=dword:000ffffff
"token"="SKETHNT"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\EISA\SKPFENT]
"Id"=dword:0001644d
"Mask"=dword:000ffffff
"token"="SKPFENT"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\EISA\SMC8232]
"Id"=dword:0080a34d
"Mask"=dword:00ffffff
"token"="SMC8232"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\EISA\TLNK3E]
"Id"=dword:9c616d50
"Mask"=dword:f0ffffff
"token"="TLNK3E"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\EISA\TLNK3EISA]
"Id"=dword:90616d50
"Mask"=dword:f0ffffff
"token"="TLNK3EISA"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\MCA]
"Id"=dword:00006413
"token"="AT1700"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\MCA\EE16MC]
"Id"=dword:0000628b
"token"="EE16MC"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\MCA\ELINK527]
"Id"=dword:00000041
"token"="ELINK527"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\MCA\ELNK3MCA.1]
"token"="ELNK3MCA"
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"Id"=dword:0000627c

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\MCA\ELNK3MCA.2]  
"token"="ELNK3MCA"  
"Id"=dword:0000627d

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\MCA\ELNK3MCA.3]  
"token"="ELNK3MCA"  
"Id"=dword:000061db

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\MCA\ELNK3MCA.4]  
"token"="ELNK3MCA"  
"Id"=dword:000062f6

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\MCA\ELNK3MCA.5]  
"token"="ELNK3MCA"  
"Id"=dword:000062f7

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\MCA\ELNKMC]  
"token"="ELNKMC"  
"Id"=dword:00006042

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\MCA\F30XX]  
"Id"=dword:00000070  
"token"="F30XX"

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\MCA\HPMCA]  
"Id"=dword:000063ca  
"token"="HPMCA"

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\MCA\IBMENIIN]  
"Id"=dword:0000ffe0  
"token"="IBMENIIN"

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\MCA\IBMTOKA]  
"token"="IBMTOKA"  
"Id"=dword:0000e000

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\MCA\IBMTOKMC]  
"token"="IBMTOKMC"  
"Id"=dword:0000e001

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\MCA\IRMAtrac.1]  
"Id"=dword:00005c1c  
"token"="IRMAtrac"

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\MCA\IRMAtrac.2]  
"Id"=dword:00005c1d  
"token"="IRMAtrac"

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\MCA\NCRTOK]  
"Id"=dword:00000100  
"token"="NCRTOK"

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\MCA\NPMCA]  
"token"="NPMCA"  
"Id"=dword:00000069

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\MCA\OCTK16.1]  
"Id"=dword:00000a84  
"token"="OCTK16"

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\MCA\OCTK16.2]  
"Id"=dword:00000a85  
"token"="OCTK16"

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\MCA\OCTK16.3]  
"Id"=dword:00000a86  
"token"="OCTK16"

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\MCA\QUADENET.1]  
"Id"=dword:00008f6d  
"token"="QUADENET"

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\MCA\QUADENET.2]  
"Id"=dword:00008f6a  
"token"="QUADENET"

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\MCA\SKFMNT.1]  
"Id"=dword:00000083  
"token"="SKFMNT"

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\MCA\SKFMNT.2]  
"Id"=dword:000000ab  
"token"="SKFMNT"

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\MCA\STREAMER.1]  
"Id"=dword:00008fa0  
"token"="STREAMER"

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\MCA\STREAMER.2]  
"Id"=dword:00008fa2  
"token"="STREAMER"

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\MCA\STREAMER.3]  
"Id"=dword:00008fa8  
"token"="STREAMER"

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\MCA\STREAMER.4]  
"Id"=dword:00008faa

"token"="STREAMER"

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\MCA\TC\$4046E]  
"Id"=dword:00000051  
"token"="TC\$4046E"

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\MCA\UBPS]  
"token"="UBPS"  
"Id"=dword:00007012

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\MCA\WAVELAN\_MCA]  
"Id"=dword:00006a14  
"token"="WAVELAN\_MCA"

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\MCA\WD8003EA]  
"token"="WD8003EA"  
"Id"=dword:000067c0

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\MCA\WD8003WA]  
"token"="WD8003WA"  
"Id"=dword:000067c2

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\MCA\WD8013EPA]  
"token"="WD8013EPA"  
"Id"=dword:000061c8

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\MCA\WD8013WPA]  
"token"="WD8013WPA"  
"Id"=dword:000061c9

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\PCI]

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\PCI\3C590]  
"Id"=dword:590010b7  
"token"="3C590"

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\PCI\3C595]  
"Id"=dword:595010b7  
"token"="3C595"

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\PCI\3C905]  
"Id"=dword:905010b7  
"token"="3C905"

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\PCI\ALANE0]  
"Id"=dword:59009004  
"token"="ALANE0"

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\NDIS\NetDetect\PCI\AMDPCI]  
"token"="AMDPCI"

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"Id"=dword:20001022

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\PCI\DC21040]
"token"="DC21040"
"Id"=dword:00021011

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\PCI\DC21041]
"token"="DC21041"
"Id"=dword:00141011

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\PCI\DC21140]
"token"="DC21140"
"Id"=dword:00091011

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\PCI\DC21142]
"token"="DC21142"
"Id"=dword:00191011

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\PCI\DEFPA]
"token"="DEFPA"
"Id"=dword:000f1011

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\PCI\E100BPCI]
"Id"=dword:12298086
"token"="E100BPCI"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\PCI\E10PCI]
"Id"=dword:12268086
"token"="E10PCI"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\PCI\LEC]
"Id"=dword:100110b6
"token"="LEC"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\PCI\NCPF]
"Id"=dword:000111bc
"token"="NCPF"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\PCI\NETFLEX3.1]
"Id"=dword:f1300e11
"token"="NETFLEX3"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\PCI\NETFLEX3.2]
"Id"=dword:ae320e11
"token"="NETFLEX3"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\PCI\NETFLEX3.3]
"Id"=dword:ae340e11
"token"="NETFLEX3"

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\PCI\NETFLEX3.4]
"Id"=dword:ae350e11
"token"="NETFLEX3"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\PCI\NETFLEX3.5]
"Id"=dword:ae430e11
"token"="NETFLEX3"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\PCI\NETFLEX3.6]
"Id"=dword:ae400e11
"token"="NETFLEX3"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\PCI\NETFLEX3.7]
"Id"=dword:f1500e11
"token"="NETFLEX3"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\PCI\O100PCI]
"Id"=dword:0011108d
"token"="O100PCI"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\PCI\OCE4XMP]
"Id"=dword:0013108d
"token"="OCE4XMP"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\PCI\OCTK16]
"Id"=dword:0001108d
"token"="OCTK16"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\PCI\RNSFDDI]
"Id"=dword:22001112
"token"="RNSFDDI"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\PCI\RTL8029]
"Id"=dword:802910ec
"token"="RTL8029"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\PCI\SKFPNT]
"Id"=dword:40001148
"token"="SKFPNT"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\PCI\SKTOKNT_PCI]
"Id"=dword:42001148
"token"="SKTOKNT_PCI"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\NetDetect\PCI\STREAMER]
"Id"=dword:00181014
"token"="STREAMER"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NDIS\Parameters]
"ProcessorAffinityMask"=dword:ffffffff

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[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
\NetBIOS]
"Type"=dword:00000002
"Start"=dword:00000003
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):5c,53,79,73,74,65,6d,52,6f,6f,74,5
c,53,79,73,74,65,6d,33,32,\

5c,64,72,69,76,65,72,73,5c,6e,65,74,62,69,6f,73,2e,73
,79,73,00
"DisplayName"="NetBIOS Interface"
"Group"="NetBIOSGroup"
"DependOnService"=hex(7):00
"DependOnGroup"=hex(7):54,44,49,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NetBIOS\Linkage]
"LanaMap"=hex:01,00,01,01
"Bind"=hex(7):5c,44,65,76,69,63,65,5c,4e,65,74,42,54,
5f,4e,31,30,30,31,00,5c,\

44,65,76,69,63,65,5c,4e,62,66,5f,4e,31,30,30,31,00,00
"Export"=hex(7):5c,44,65,76,69,63,65,5c,4e,65,74,62,6
9,6f,73,5c,4e,65,74,42,54,\

5f,4e,31,30,30,31,00,5c,44,65,76,69,63,65,5c,4e,65,74
,62,69,6f,73,5c,4e,62,\
66,5f,4e,31,30,30,31,00,00
"Route"=hex(7):22,4e,65,74,42,54,22,20,22,4e,31,30,30
,22,20,22,4e,31,30,30,31,\

22,00,22,4e,62,66,22,20,22,4e,31,30,30,22,20,22,4e,31
,30,30,31,22,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NetBIOS\Linkage\Disabled]
"Bind"=hex(7):00
"Export"=hex(7):00
"Route"=hex(7):00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NetBIOS\Parameters]

[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,73,79,73,74,65,\
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,\
00,00,00,02,00,00,00,00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NetBIOS\Security]

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"Security"=hex:01,00,14,80,cc,00,00,00,d8,00,00,00,14,00,00,00,34,00,00,00,02,\
00,20,00,01,00,00,00,02,80,18,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,20,02,00,00,02,00,98,00,06,00,00,00,00,03,18,00,00,00,02,00,01,01,00,\
00,00,00,01,00,00,00,00,00,00,00,00,00,03,18,00,ff,01,0f,00,01,02,00,00,\
00,00,00,05,20,00,00,00,20,02,00,00,00,03,18,00,ff,01,0f,00,01,01,00,00,\
00,00,05,12,00,00,00,20,02,00,00,00,03,18,00,00,02,00,01,02,00,00,00,\
00,05,20,00,00,00,23,02,00,00,00,03,18,00,9d,00,00,00,01,01,00,00,00,00,\
05,04,00,00,00,23,02,00,00,00,03,18,00,9d,00,00,00,01,02,00,00,00,00,05,\
20,00,00,00,21,02,00,00,01,01,00,00,00,00,00,05,12,00,00,00,01,01,00,00,\
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\NetBIOSInformation]
"Type"=dword:00000004
"Start"=dword:00000003
"ErrorControl"=dword:00000001
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NetBIOSInformation\Linkage]
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NetBIOSInformation\Linkage\Disabled]
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NetBIOSInformation\Parameters]
"Route"=hex(7):22,4e,65,74,42,54,22,20,22,4e,31,30,30,22,20,22,4e,31,30,30,31,\
22,20,22,4e,62,66,22,20,22,4e,31,30,30,22,20,22,4e,31,30,30,31,22,00,00
"MaxLana"=dword:00000001
"LanaNum1"=dword:00000000
"EnumExport1"=dword:00000001
"LanaNum2"=dword:00000001
"EnumExport2"=dword:00000001
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NetBT]
"Type"=dword:00000001
"Start"=dword:00000002
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"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,6e,65,74,62,74,2e,73,79,73,00
"DisplayName"="WINS Client (TCP/IP)"
"Group"="PNP_TDI"
"DependOnService"=hex(7):54,63,70,69,70,00,00
"DependOnGroup"=hex(7):00
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NetBT\Adapters]
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NetBT\Adapters\N1001]
"NameServer"=""
"NameServerBackup"=""
[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,4e,31,30,30,31,00,00
"Export"=hex(7):5c,44,65,76,69,63,65,5c,4e,65,74,42,54,5f,4e,31,30,30,31,00,00
"Route"=hex(7):22,4e,31,30,30,22,20,22,4e,31,30,30,31,22,00,00
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NetBT\Linkage\Disabled]
"Bind"=hex(7):00
"Export"=hex(7):00
"Route"=hex(7):00
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NetBT\Parameters]
"NbProvider"=" tcp"
"NameServerPort"=dword:00000089
"EnableLMHOSTS"=dword:00000001
"EnableProxy"=dword:00000000
"EnableDNS"=dword:00000000
"CacheTimeout"=dword:000927c0
"BcastNameQueryCount"=dword:00000003
"BcastQueryTimeout"=dword:000002ee
"NameSrvQueryCount"=dword:00000003
"NameSrvQueryTimeout"=dword:000005dc
"Size/Small/Medium/Large"=dword:00000001
"SessionKeepAlive"=dword:000493e0
"ScopeID"=""
"TransportBindName"=""\Device\\"
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NetBT\Security]
"Security"=hex:01,00,14,80,c0,00,00,00,cc,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,00,01,01,00,00,00,00,00,01,00,00,\
00,00,20,02,00,00,02,00,8c,00,05,00,00,00,00,00,18,00,8d,01,02,00,01,01,00,\
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00,00,00,00,01,00,00,00,00,20,02,00,00,00,00,1c,00,fd,01,02,00,01,02,00,00,\
00,00,00,05,20,00,00,00,23,02,00,00,00,00,00,00,00,00,1c,00,ff,01,0f,00,01,\
02,00,00,00,00,00,05,20,00,00,00,20,02,00,00,00,00,00,00,00,00,1c,00,ff,01,\
0f,00,01,02,00,00,00,00,00,05,20,00,00,00,25,02,00,00,00,00,00,00,00,18,\
00,fd,01,02,00,01,01,00,00,00,00,00,05,12,00,00,00,25,02,00,00,01,01,00,00,\
00,00,00,05,12,00,00,00,01,01,00,00,00,00,00,05,12,00,00,00,00
[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]
"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,73,79,73,74,65,6d,33,\
32,5c,6e,65,74,64,64,65,2e,65,78,65,00
"DependOnService"=hex(7):4e,65,74,44,44,45,44,53,44,4d,00,00
"DisplayName"="Network DDE"
"ObjectName"="LocalSystem"
"Group"="NetDDEGroup"
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NetDDE\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,00,01,01,00,00,00,00,00,01,00,00,\
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,\
00,00,00,05,20,00,00,00,20,02,00,00,00,03,18,00,8f,00,02,00,01,02,00,00,\
00,00,05,20,00,00,00,23,02,00,00,00,03,18,00,9d,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
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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NetDDEdism]
"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,73,79,73,74,65,6d,33,\
32,5c,6e,65,74,64,64,65,2e,65,78,65,00
"DependOnService"=hex(7):00,00
"DisplayName"="Network DDE DSDM"
"ObjectName"="LocalSystem"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NetDDEdism\Security]
"Security"=hex:01,00,14,80,9c,00,00,00,a8,00,00,00,14,00,00,00,34,00,00,00,02,\
00,20,00,01,00,00,02,80,18,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,20,02,00,00,02,00,68,00,04,00,00,00,03,18,00,8d,00,02,00,01,01,00,\
00,00,00,01,00,00,00,00,00,00,00,00,00,03,18,00,ff,01,0f,00,01,02,00,00,\
00,00,00,05,20,00,00,00,20,02,00,00,00,03,18,00,8f,00,02,00,01,02,00,00,\
00,00,05,20,00,00,00,23,02,00,00,03,18,00,9d,00,00,00,01,01,00,00,00,\
00,05,04,00,00,00,23,02,00,00,01,01,00,00,00,00,05,12,00,00,00,01,01,00,\
00,00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NetDetect]
"Type"=dword:00000001
"Start"=dword:00000003
"ErrorControl"=dword:00000001
"DisplayName"="NetDetect"
"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

[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"

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"Group"="RemoteValidation"
"DependOnService"=hex(7):4c,61,6e,6d,61,6e,57,6f,72,6b,73,74,61,74,69,6f,6e,00,\
4c,6d,48,6f,73,74,73,00,00
"DependOnGroup"=hex(7):00
"ObjectName"="LocalSystem"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Netlogon\Linkage]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Netlogon\Linkage\Disabled]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Netlogon\Parameters]
"DisablePasswordChange"=dword:00000000
"Update"="no"
"Scripts"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,25,5c,73,79,73,74,65,6d,33,\
32,5c,72,65,70,6c,5c,69,6d,70,6f,72,74,5c,73,63,72,69,70,74,73,00
"DBFlag"="0"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Netlogon\Security]
"Security"=hex:01,00,14,80,c0,00,00,00,cc,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,\
00,00,20,02,00,00,02,00,8c,00,05,00,00,00,00,18,00,8d,01,02,00,01,01,00,\
00,00,00,01,00,00,00,01,01,00,00,00,00,1c,00,fd,01,02,00,01,02,00,00,\
00,00,00,05,20,00,00,00,23,02,00,00,00,00,05,00,00,1c,00,ff,01,0f,00,01,\
02,00,00,00,00,05,20,00,00,00,20,02,00,00,00,00,00,05,00,00,1c,00,ff,01,\
0f,00,01,02,00,00,00,00,05,20,00,00,00,25,02,00,00,00,00,05,00,00,18,\
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\Npfs]
"Type"=dword:00000002
"Start"=dword:00000001
"Group"="File system"
"ErrorControl"=dword:00000001

[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,00,00

[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\NTFROB]
"Type"=dword:00000001
"Start"=dword:00000003
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):5c,3f,3f,5c,43,3a,5c,66,72,6f,62,5c,46,52,4f,42,53,59,53,2e,\
53,59,53,00
"DisplayName"="NTFROB"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NTFROB\Security]
"Security"=hex:01,00,14,80,c0,00,00,00,cc,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,\
00,00,20,02,00,00,02,00,8c,00,05,00,00,00,00,18,00,8d,01,02,00,01,01,00,\
00,00,00,00,01,00,00,00,00,00,00,00,00,00,1c,00,fd,01,02,00,01,02,00,00,\
00,00,00,05,20,00,00,00,23,02,00,00,00,00,00,00,00,1c,00,ff,01,0f,00,01,\
02,00,00,00,00,05,20,00,00,00,20,02,00,00,00,00,00,00,00,1c,00,ff,01,\
0f,00,01,02,00,00,00,00,05,20,00,00,00,25,02,00,00,00,00,00,00,00,18,\
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\Ntfs]
"Type"=dword:00000002
"Start"=dword:00000001
"Group"="File system"
"ErrorControl"=dword:00000001

[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: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,53,45,52,56,49,43,45,53,2e,45,58,45,00
"DisplayName"="NT LM Security Support Provider"
"ObjectName"="LocalSystem"

[HKEY_LOCAL_MACHINE\\SYSTEM\\CurrentControlSet\\Services\\NtLmSsp\\Linkage]

[HKEY_LOCAL_MACHINE\\SYSTEM\\CurrentControlSet\\Services\\NtLmSsp\\Linkage\\Disabled]

[HKEY_LOCAL_MACHINE\\SYSTEM\\CurrentControlSet\\Services\\NtLmSsp\\Parameters]

[HKEY_LOCAL_MACHINE\\SYSTEM\\CurrentControlSet\\Services\\NtLmSsp\\Security]
"Security"=hex:01,00,14,80,cc,00,00,00,d8,00,00,00,14,00,00,00,34,00,00,00,02,\\
00,20,00,01,00,00,00,02,80,18,00,ff,01,0f,00,01,01,00,00,00,00,00,01,00,00,\\
00,00,20,02,00,00,02,00,98,00,06,00,00,00,00,03,18,00,00,00,02,00,01,01,00,\\
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,\\
00,00,00,05,20,00,00,00,20,02,00,00,00,03,18,00,ff,01,0f,00,01,01,00,00,00,\\
00,00,05,12,00,00,00,20,02,00,00,00,03,18,00,00,00,02,00,01,02,00,00,00,00,\\
00,05,20,00,00,00,23,02,00,00,00,03,18,00,9d,00,00,00,01,01,00,00,00,00,00,\\
05,04,00,00,00,23,02,00,00,00,03,18,00,9d,00,00,00,01,02,00,00,00,00,05,\\
20,00,00,00,21,02,00,00,01,01,00,00,00,00,00,05,12,00,00,00,01,01,00,00,00,\\
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\\Null]
"Type"=dword:00000001

```

```

"Start"=dword:00000001
"Group"="Base"
"ErrorControl"=dword:00000001
"Tag"=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\\Oliscsi]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="SCSI miniport"
"ErrorControl"=dword:00000001
"Tag"=dword:00000003

[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
"Type"=dword:00000001
"Start"=dword:00000002
"Group"="Extended base"
"ErrorControl"=dword:00000000
"Tag"=dword:00000002

[HKEY_LOCAL_MACHINE\\SYSTEM\\CurrentControlSet\\Services\\Parallel\\Parameters]

[HKEY_LOCAL_MACHINE\\SYSTEM\\CurrentControlSet\\Services\\Parallel\\Enum]
"0"="Root\\LEGACY_PARALLEL\\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\\SYSTEM\\CurrentControlSet\\Services\\Parport]
"Type"=dword:00000001
"Start"=dword:00000002
"Group"="Parallel arbitrator"
"ErrorControl"=dword:00000000
"Tag"=dword:00000001

[HKEY_LOCAL_MACHINE\\SYSTEM\\CurrentControlSet\\Services\\Parport\\Enum]
"0"="Root\\LEGACY_PARPORT\\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[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
"Type"=dword:00000001
"Start"=dword:00000002
"Group"="Extended base"

```

```

"ErrorControl"=dword:00000000
"Tag"=dword:00000002

[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\\PCIDump]
"Type"=dword:00000001
"Start"=dword:00000001
"Group"="PCI Configuration"
"ErrorControl"=dword:00000000
"Tag"=dword:00000001

[HKEY_LOCAL_MACHINE\\SYSTEM\\CurrentControlSet\\Services\\PCIDump\\Enum]
"Count"=dword:00000000
"NextInstance"=dword:00000000

[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\\DataBase]

[HKEY_LOCAL_MACHINE\\SYSTEM\\CurrentControlSet\\Services\\Pcmcia\\DataBase\\3Com Corporation]

[HKEY_LOCAL_MACHINE\\SYSTEM\\CurrentControlSet\\Services\\Pcmcia\\DataBase\\3Com Corporation\\3C589]
"Driver"="elnk3"
"Option"="ELNK3ISA509"
"InfFileName"="oemnad3.inf"
"DeviceType"="NET"

[HKEY_LOCAL_MACHINE\\SYSTEM\\CurrentControlSet\\Services\\Pcmcia\\DataBase\\Accton]

[HKEY_LOCAL_MACHINE\\SYSTEM\\CurrentControlSet\\Services\\Pcmcia\\DataBase\\Accton\\EN2212]
"DeviceType"="NET"
"Driver"="ne2000"
"InfFileName"="oemnadzz.inf"
"Option"="ACCTONEN2216"

[HKEY_LOCAL_MACHINE\\SYSTEM\\CurrentControlSet\\Services\\Pcmcia\\DataBase\\Accton\\EN2216-PCMCIA-ETHERNET]
"DeviceType"="NET"
"Driver"="ne2000"
"InfFileName"="oemnadzz.inf"
"Option"="ACCTONEN2216"

```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Pcmcia\DataBase\Adaptec, Inc.]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Pcmcia\DataBase\Adaptec, Inc.\APA-1460 SCSI Host
Adapter]
"Driver"="sparrow"
"DeviceType"="SCSI"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Pcmcia\DataBase\Compaq]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Pcmcia\DataBase\Compaq\Ethernet LAN Card]
"AttributeMemorySize"=dword:00001000
"DeviceType"="NET"
"Driver"="cpqndis"
"InfFileName"="oemnadzz.inf"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Pcmcia\DataBase\D-Link]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Pcmcia\DataBase\D-Link\DE-650]
"Driver"="ne2000"
"DeviceType"="NET"
"Option"="DLINKDE650"
"InfFileName"="oemnadzz.inf"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Pcmcia\DataBase\Diehl ISDN]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Pcmcia\DataBase\Diehl ISDN\ISDN-DIVA\PCM]
"DeviceType"="NET"
"Driver"="Diehl_DIVA_TED5ES"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Pcmcia\DataBase\Future Domain Corporation]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Pcmcia\DataBase\Future Domain Corporation\SCSI
PCMCIA Credit Card Controller]
"Driver"="fd16_700"
"DeviceType"="SCSI"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Pcmcia\DataBase\IBM]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Pcmcia\DataBase\IBM\TOKEN RING]
"Driver"="ibmtok"
"DeviceType"="NET"
"InfFileName"="oemmadtk.inf"
"Option"="IBMTOK"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Pcmcia\DataBase\IBM Corp.]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Pcmcia\DataBase\IBM Corp.\Ethernet]
"AttributeMemorySize"=dword:00001000
"CardMemorySize"=dword:00000000
```

```
"Driver"="ne2000"
"Option"="NE2000IBMCOMPAT"
"InfFileName"="oemnadni.inf"
"DeviceType"="NET"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Pcmcia\DataBase\Kingston Technology Corp.]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Pcmcia\DataBase\Kingston Technology Corp.\EtheRx]
"AttributeMemorySize"=dword:00001000
"CardMemorySize"=dword:00000000
"Driver"="ne2000"
"Option"="NE2000IBMCOMPAT"
"InfFileName"="oemnadni.inf"
"DeviceType"="NET"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Pcmcia\DataBase\KME]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Pcmcia\DataBase\KME\KXLC002]
"Driver"="qlmini"
"DeviceType"="SCSI"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Pcmcia\DataBase\MADGE]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Pcmcia\DataBase\MADGE\SMART 16/4 PCMCIA RINGNODE]
"Driver"="madgempot"
"Option"="MSMDGMPPCMCIA"
"InfFileName"="oemnadma.inf"
"DeviceType"="NET"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Pcmcia\DataBase\Microdyne]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Pcmcia\DataBase\Microdyne\NE4200]
"AttributeMemorySize"=dword:00001000
"CardMemorySize"=dword:00000000
"Driver"="ne2000"
"Option"="NE2000IBMCOMPAT"
"InfFileName"="oemnadni.inf"
"DeviceType"="NET"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Pcmcia\DataBase\National Semiconductor]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Pcmcia\DataBase\National Semiconductor\InfoMover
NE4100]
"AttributeMemorySize"=dword:00001000
"CardMemorySize"=dword:00000000
"Driver"="ne2000"
"Option"="NE2000IBMCOMPAT"
"InfFileName"="oemnadni.inf"
"DeviceType"="NET"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Pcmcia\DataBase\OLICOM]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Pcmcia\DataBase\OLICOM\ETHERCOM]
"DeviceType"="NET"
"Driver"="oce2xm"
"Option"="GOCARD"
"InfFileName"="oemnadzz.inf"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Pcmcia\DataBase\OLICOM\TR 16/4 II]
"DeviceType"="NET"
"Driver"="octk16"
"Option"="PCMCIA"
"InfFileName"="oemnadzz.inf"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Pcmcia\DataBase\Socket Communications Inc]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Pcmcia\DataBase\Socket Communications Inc\Socket EA
PCMCIA LAN Adapter Revision D]
"AttributeMemorySize"=dword:00000000
"CardMemorySize"=dword:00000000
"Driver"="ne2000"
"Option"="NE2000SOCKETEA"
"InfFileName"="oemnadn2.inf"
"DeviceType"="NET"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Pcmcia\DataBase\Socket Communications Inc\Socket EA
PCMCIA LAN Adapter Revision E]
"AttributeMemorySize"=dword:00000000
"CardMemorySize"=dword:00000000
"Driver"="ne2000"
"Option"="NE2000SOCKETEA"
"InfFileName"="oemnadn2.inf"
"DeviceType"="NET"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Pcmcia\DataBase\Xircom]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Pcmcia\DataBase\Xircom\CreditCard 10Base-T]
"Option"=""
"InfFileName"="oemnadzz.inf"
"DeviceType"="NET"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Pcmcia\DataBase\Xircom\CreditCard 10Base-T\5331]
"Driver"="ce2xps"
"AttributeMemorySize"=dword:00001000
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Pcmcia\DataBase\Xircom\CreditCard 10Base-T\5FFA]
"Driver"="cendis3"
"AttributeMemorySize"=dword:00001000
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Pcmcia\DataBase\Xircom\CreditCard 10Base-T\64BA]
"AttributeMemorySize"=dword:00001000
"Driver"="ce2xps"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Pcmcia\DataBase\Xircom\CreditCard 10Base-T\9C9B]
```



```
"Driver"="cendis3"
"AttributeMemorySize"=dword:00001000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Pcmcia\DataBase\Xircom\CreditCard 10Base-T\9F5B]
"Driver"="ce2ndis3"
"AttributeMemorySize"=dword:00001000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Pcmcia\DataBase\Xircom\CreditCard 10Base-T\9FAB]
"Driver"="cendis3"
"AttributeMemorySize"=dword:00001000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Pcmcia\DataBase\Xircom\CreditCard 10Base-T\B00D]
"Driver"="cendis3"
"AttributeMemorySize"=dword:00001000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Pcmcia\DataBase\Xircom\CreditCard Ethernet+Modem
28.8]
"AttributeMemorySize"=dword:00001000
"DeviceType"="NET"
"Driver"="cem28xps"
"InfFileName"="oemnadzz.inf"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Pcmcia\DataBase\Xircom\CreditCard Ethernet+Modem II]
"Driver"="cm2ndis3"
"AttributeMemorySize"=dword:00001000
"Option"=""
"InfFileName"="oemnadzz.inf"
"DeviceType"="NET"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Pcmcia\DataBase\Xircom\CreditCard Token Ring]
"Driver"="ctndnt"
"AttributeMemorySize"=dword:00001000
"Option"=""
"InfFileName"="oemnadzz.inf"
"DeviceType"="NET"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Pcmcia\Parameters]
"Interrupt"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\PlugPlay]
"Type"=dword:00000020
"Start"=dword:00000002
"Group"="PlugPlay"
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,2
5,5c,73,79,73,74,65,6d,33,\
32,5c,73,65,72,76,69,63,65,73,2e,65,78,65,00
"ObjectName"="LocalSystem"
"DisplayName"="Plug and Play"
"PlugPlayServiceType"=dword:00000003

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\pnpsisa]
"DisplayName"="PnP ISA Enabler Driver"
"ErrorControl"=dword:00000000
```

```
"Group"="Base"
"Start"=dword:00000001
"Tag"=dword:0000000e
"Type"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\pnpsisa\Enum]
"Count"=dword:00000000
"NextInstance"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\PRLNTSS]
"Type"=dword:00000001
"Start"=dword:00000001
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):53,59,53,54,45,4d,33,32,5c,44,52,4
9,56,45,52,53,5c,50,52,4c,\
4e,54,53,53,2e,53,59,53,00
"DisplayName"="Compaq ProLiant Storage System Driver"
"Group"="SCSI Class"
"Tag"=dword:00000001
"DependOnGroup"=hex(7):53,43,53,49,20,4d,69,6e,69,70,
6f,72,74,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\PRLNTSS\Linkage]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\PRLNTSS\Linkage\Disabled]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\PRLNTSS\Parameters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\PRLNTSS\Security]
"Security"=hex:01,00,14,80,c0,00,00,00,cc,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
,00,00,00,00,01,00,00,\
00,00,20,02,00,00,02,00,8c,00,05,00,00,00,00,00,18,00
,8d,01,02,00,01,01,00,\
00,00,00,00,01,00,00,00,00,00,00,00,00,00,00,00,1c,00,fd
,01,02,00,01,02,00,00,\
00,00,00,05,20,00,00,00,23,02,00,00,00,00,00,00,00,00
,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
,00,00,00,1c,00,ff,01,\
0f,00,01,02,00,00,00,00,05,20,00,00,00,25,02,00,00
,00,00,00,00,00,00,18,\
00,fd,01,02,00,01,01,00,00,00,00,00,05,12,00,00,00,25
,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
\PRLNTSS\Enum]
"0"="Root\LEGACY_PRLNTSS\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\PROSet]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\PROSet\Adapters]
"EPRO100"="Intel 82557-based PCI Ethernet"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\PROSet\EPRO100]
"Configure"="EPRO100_Configure"
"Detect"="EPRO100_Detect"
"Diagnose"="EPRO100_Diagnose"
"DLL"="EPRO100_DLL"
"Help"="E100SET.HLP"
"RegistryKey"="EPRO100_GetRegistryKey"
"AdapterDescription"="EPRO100_GetAdapterDescription"
"InstallAnyway"="EPRO100_InstallAnyway"
"DeviceExist"="EPRO100_DeviceExist"
"Summary"="EPRO100_Resource_Summary"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\PROSet\EPRO100\Parameters]
"BusNumber"="0,7,BusNumber,0,2,0,0,16,1"
"BusType"="0,7,BusType,0,2,5,2,5,1"
"BusTypeLocal"="0,7,BusTypeLocal,0,2,5,2,5,1"
"Eid"="0,7,Eid,0,2,0,0,4294967295,1"
"Fifo"="0,3,Fifo_Depth,0,2,12,0,15,1"
"ForceDpx"="1,4,Duplex_Mode,0,1,Auto,Auto,Half,Full"
"MapRegisters"=""
"MediaType"="0,7,MediaType,0,2,1,1,1,1"
"MsPciScan"="0,4,MsPciScan,0,2,1,0,1,1"
"NumCoalesce"="1,7,Coalesce_Buffers,0,2,8,1,32,1"
"NumRfd"="1,7,Receive_Buffers,0,2,16,1,128,1"
"NumTbd"="0,3,Transmit_Buffer
Descriptors,0,2,64,1,65535,1"
"NumTbdPerTcb"="0,4,Transmit_Buffers_per
Frame,0,2,8,1,16,1"
"NumTcb"="1,7,Transmit_Control_Blocks,0,2,16,1,80,1"
"Off"="1,3,Off_Timer,0,2,2,1,65535,1"
"On"="1,3,On_Timer,0,2,32768,1,65535,1"
"RxDmaCount"="0,4,RxDmaCount,0,2,0,0,63,1"
"RxFifo"="0,4,Receive_Fifo_Depth,0,2,8,0,15,1"
"Slot"="0,3,Slot,0,2,0,0,64,1"
"Speed"="1,7,Network
Speed,0,4,Auto,Auto,0,10Mbps,10,100Mbps,100"
"Threshold"="0,7,Transmit_Threshold,0,2,16,0,200,1"
"TxDmaCount"="0,4,TxDmaCount,0,2,0,0,63,1"
"TxFifo"="0,4,Transmit_Fifo_Depth,0,2,8,0,15,1"
"Ucode"="0,4,Ucode,0,2,0,0,1,1"
"UnderrunRetry"="0,4,UnderrunRetry,0,2,1,0,3,1"
"PerfOptims"="0,4,PerfOptims,0,2,0,0,65535,1"
"UcodeSW"="0,7,UcodeSW,0,2,1,0,1,1"
"Adaptive_IFS"="0,7,Adaptive_IFS,0,2,1,0,255,1"
"Txmitwait"="0,7,Txmitwait,0,2,1,0,255,1"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\ProtectedStorage]
```

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"Type"=dword:00000110
"Start"=dword:00000004
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):43,3a,5c,57,49,4e,4e,54,5c,53,79,7
3,74,65,6d,33,32,5c,70,73,\
74,6f,72,65,73,2e,65,78,65,00
"DisplayName"="Protected Storage"
"DependOnService"=hex(7):52,70,63,53,73,00,00
"DependOnGroup"=hex(7):00
"ObjectName"="LocalSystem"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\ProtectedStorage\Parameters]
"AuthCodeCfg"=dword:00000001
"Configuration"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\ProtectedStorage\Parameters\S]
"pstores.exe"=hex:13,ff,e7,bb,a3,f2,01,1e,87,bb,e8,cd
,c2,85,a1,c4,6c,c2,08,a4,\

43,fc,73,49,62,7c,91,69,bb,2f,d0,8c,b1,7b,1f,4a,4c,0b
,0f,68,28,91,98,2f,99,\

41,7a,86,1f,4d,e6,70,72,86,6f,5a,25,1f,4f,4e,26,bc,f8
,7b,1f,45,bf,ab,c5,50,\

63,c2,c1,0a,af,c5,e1,78,4e,49,80,b2,d1,84,ec,17,8a,e6
,f8,47,de,c6,81,f6,85,\

a9,0f,f6,1f,e9,28,20,ba,6f,74,a7,97,79,c0,2a,28,4f,48
,f2,ee,e0,4f,d5,98,24,\
b0,62,9e,43,c9,83,d6,4b,00,00,00,00,00,00,00,00
"psbase.dll"=hex:d0,08,ef,10,2b,bf,b2,f2,23,2a,9a,9f,
b9,93,59,a2,99,4e,7a,9d,\

11,c9,39,f4,66,1c,89,72,26,e0,64,ab,e2,7a,8d,56,86,80
,0f,9c,aa,99,16,bf,50,\

fe,16,2d,83,41,f3,8a,1a,75,76,67,d1,e2,87,d4,e6,87,4d
,4f,68,63,ee,7e,67,a4,\

0c,3e,e4,5f,e8,27,88,85,d2,61,ae,ec,e6,f0,b9,59,75,88
,68,3a,3f,93,8e,53,9c,\

b7,fa,3c,0f,b0,0d,76,7b,a2,b4,42,46,49,f8,f3,a1,2a,97
,42,7d,7d,23,2e,ef,13,\
87,58,87,0d,76,ac,97,07,00,00,00,00,00,00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\ProtectedStorage\Parameters\S2]
"pstores.exe"=hex:85,88,4d,da,80,23,97,51,7d,ed,3f,28
,64,e7,34,cc,1b,ff,d9,8e,\

95,1b,60,d4,72,df,64,a3,e2,a3,7d,af,4b,1a,f3,19,cb,f3
,6d,f2,3d,bb,30,b6,fe,\

35,fe,66,1e,29,f5,a0,bc,d9,b3,07,9e,02,b9,ac,f2,37,70
,8b,4f,87,41,b8,a9,66,\

ab,cf,4d,1e,54,50,68,d0,51,a0,48,af,44,1c,23,b7,27,f8
,4a,7b,86,54,5a,42,86,\

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e2,a3,c2,07,0f,ef,13,a2,72,b4,8a,e7,31,d4,4a,d3,ef,3a
,11,9d,51,2f,52,ec,c6,\
6c,d3,28,43,45,30,e2,72,00,00,00,00,00,00,00,00,00
"psbase.dll"=hex:e6,ba,57,e2,1b,88,fc,20,01,ed,35,32,
7e,8f,36,97,41,4c,e1,76,\

97,ef,60,09,38,ea,86,6b,43,d6,30,4e,10,6b,c1,75,61,84
,d2,1b,c7,eb,b2,18,f1,\

13,cb,a0,6c,8f,31,65,8e,00,93,5e,72,78,97,61,63,d1,74
,9f,19,e6,b4,08,fc,ba,\

ba,df,b1,9e,da,17,19,5d,95,22,f9,f6,60,40,ae,c4,72,0b
,d1,74,7c,86,a8,8a,f8,\

d2,ba,14,63,f2,a5,25,b9,a2,b7,86,58,1e,4e,92,28,cf,41
,6a,b7,57,4c,44,67,51,\
48,47,85,f5,6e,00,99,af,00,00,00,00,00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\ProtectedStorage\Security]
"Security"=hex:01,00,14,80,c0,00,00,00,cc,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,\

00,00,20,02,00,00,02,00,8c,00,05,00,00,00,00,18,00
,8d,01,02,00,01,01,00,\

00,00,00,00,01,00,00,00,00,00,00,73,00,00,00,1c,00,fd
,01,02,00,01,02,00,00,\

00,00,00,05,20,00,00,00,23,02,00,00,60,3e,15,00,00,00
,1c,00,ff,01,0f,00,01,\

02,00,00,00,00,00,05,20,00,00,00,20,02,00,00,60,3e,15
,00,00,00,1c,00,ff,01,\

0f,00,01,02,00,00,00,00,00,05,20,00,00,00,25,02,00,00
,60,3e,15,00,00,00,18,\

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
\ProtectedStorage\Enum]
"0"="Root\LEGACY_PROTECTEDSTORAGE\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\psidisp]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="Video"
"ErrorControl"=dword:00000000

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[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\psidisp\Device0]
"VgaCompatible"=dword:00000000
"InstalledDisplayDrivers"=hex(7):70,73,69,64,69,73,70
,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Q110wnt]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="SCSI miniport"
"ErrorControl"=dword:00000001
"Tag"=dword:00000023

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\qv]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="Video"
"ErrorControl"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\qv\Device0]
"VgaCompatible"=dword:00000001
"InstalledDisplayDrivers"=hex(7):76,67,61,00,71,76,00
,00
"HardwareInformation.AdapterString"=hex:51,00,56,00,4
7,00,41,00,20,00,4e,00,65,\
00,77,00,00,00
"HardwareInformation.ChipType"=hex:51,00,56,00,47,00,
41,00,20,00,4e,00,65,00,\
77,00,00,00
"HardwareInformation.DacType"=hex:55,00,6e,00,6b,00,6
e,00,6f,00,77,00,6e,00,00,\
00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Rdr]
"Type"=dword:00000002
"Start"=dword:00000003
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):5c,53,79,73,74,65,6d,52,6f,6f,74,5
c,53,79,73,74,65,6d,33,32,\
5c,64,72,69,76,65,72,73,5c,72,64,72,2e,73,79,73,00
"DisplayName"="Rdr"
"Group"="Network"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Rdr\Linkage]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Rdr\Linkage\Disabled]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Rdr\Parameters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Rdr\Security]
"Security"=hex:01,00,14,80,c0,00,00,00,cc,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,\

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00,00,20,02,00,00,02,00,8c,00,05,00,00,00,00,00,18,00
,8d,01,02,00,01,01,00,\

00,00,00,00,01,00,00,00,00,00,00,00,00,00,00,00,1c,00,fd
,01,02,00,01,02,00,00,\

00,00,00,05,20,00,00,00,23,02,00,00,02,00,04,00,00,00
,1c,00,ff,01,0f,00,01,\

02,00,00,00,00,00,05,20,00,00,00,20,02,00,00,02,00,04
,00,00,00,1c,00,ff,01,\

0f,00,01,02,00,00,00,00,00,05,20,00,00,00,25,02,00,00
,02,00,04,00,00,00,18,\

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
\Rdr\Enum]
"0"="Root\LEGACY_RDR\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Replicator]
"Type"=dword:00000010
"Start"=dword:00000003
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,2
5,5c,53,79,73,74,65,6d,33,\
32,5c,6c,6d,72,65,70,6c,2e,65,78,65,00
"DisplayName"="Directory Replicator"
"DependOnService"=hex(7):4c,61,6e,6d,61,6e,57,6f,72,6
b,73,74,61,74,69,6f,6e,00,\
4c,61,6e,6d,61,6e,53,65,72,76,65,72,00,00
"DependOnGroup"=hex(7):00
"ObjectName"="LocalSystem"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Replicator\Exports]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Replicator\Imports]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Replicator\Linkage]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Replicator\Linkage\Disabled]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Replicator\Parameters]
"Replicate"=dword:00000002
"ImportPath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,
25,5c,53,79,73,74,65,6d,\
33,32,5c,52,65,70,6c,5c,49,6d,70,6f,72,74,00
"ExportPath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,
25,5c,53,79,73,74,65,6d,\

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33,32,5c,52,65,70,6c,5c,45,78,70,6f,72,74,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Replicator\Security]
"Security"=hex:01,00,14,80,c0,00,00,00,cc,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
,00,00,00,00,01,00,00,\

00,00,20,02,00,00,02,00,8c,00,05,00,00,00,00,18,00
,8d,01,02,00,01,01,00,\

00,00,00,00,01,00,00,00,00,00,00,00,00,00,00,00,1c,00,fd
,01,02,00,01,02,00,00,\

00,00,00,05,20,00,00,00,23,02,00,00,02,00,04,00,00,00
,1c,00,ff,01,0f,00,01,\

02,00,00,00,00,00,05,20,00,00,00,20,02,00,00,02,00,04
,00,00,00,1c,00,ff,01,\

0f,00,01,02,00,00,00,00,00,00,05,20,00,00,00,25,02,00,00
,02,00,04,00,00,00,18,\

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
\RPCLOCATOR]
"Type"=dword:00000010
"Start"=dword:00000003
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,2
5,5c,53,79,73,74,65,6d,33,\
32,5c,4c,4f,43,41,54,4f,52,2e,45,58,45,00
"DisplayName"="Remote Procedure Call (RPC) Locator"
"ObjectName"="LocalSystem"
"DependOnService"=hex(7):4c,61,6e,6d,61,6e,57,6f,72,6
b,73,74,61,74,69,6f,6e,00,\
52,64,72,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\RPCLOCATOR\Linkage]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\RPCLOCATOR\Linkage\Disabled]

[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,cc,00,00,00,d8,00,00,00,14
,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
,00,00,00,00,01,00,00,\

00,00,20,02,00,00,02,00,98,00,06,00,00,00,00,03,18,00
,00,00,02,00,01,01,00,\

00,00,00,00,01,00,00,00,00,00,00,00,00,00,00,03,18,00,ff
,01,0f,00,01,02,00,00,\

00,00,00,05,20,00,00,00,20,02,00,00,00,03,18,00,ff,01
,0f,00,01,01,00,00,00,\

00,00,05,12,00,00,00,20,02,00,00,00,03,18,00,00,00,02
,00,01,02,00,00,00,00,\

00,05,20,00,00,00,23,02,00,00,00,03,18,00,9d,00,00,00
,01,01,00,00,00,00,00,\

05,04,00,00,00,23,02,00,00,00,03,18,00,9d,00,00,00,01
,02,00,00,00,00,00,05,\

```

```

00,00,20,02,00,00,02,00,98,00,06,00,00,00,00,03,18,00
,00,00,02,00,01,01,00,\

00,00,00,00,01,00,00,00,00,00,00,00,00,03,18,00,ff
,01,0f,00,01,02,00,00,\

00,00,00,05,20,00,00,00,20,02,00,00,00,03,18,00,ff,01
,0f,00,01,01,00,00,00,\

00,00,05,12,00,00,00,20,02,00,00,00,03,18,00,00,00,02
,00,01,02,00,00,00,00,\

00,05,20,00,00,00,23,02,00,00,00,03,18,00,9d,00,00,00
,01,01,00,00,00,00,00,\

05,04,00,00,00,23,02,00,00,00,03,18,00,9d,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

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\RpcSs]
"Type"=dword:00000010
"DisplayName"="Remote Procedure Call (RPC) Service"
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):25,53,79,73,74,65,6d,52,6f,6f,74,2
5,5c,73,79,73,74,65,6d,33,\
32,5c,52,70,63,53,73,2e,65,78,65,00
"ObjectName"="LocalSystem"
"Start"=dword:00000002

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\RpcSs\Parameters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\RpcSs\Security]
"Security"=hex:01,00,14,80,cc,00,00,00,d8,00,00,00,14
,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
,00,00,00,00,01,00,00,\

00,00,20,02,00,00,02,00,98,00,06,00,00,00,00,03,18,00
,00,00,02,00,01,01,00,\

00,00,00,00,01,00,00,00,00,00,00,00,00,00,00,03,18,00,ff
,01,0f,00,01,02,00,00,\

00,00,00,05,20,00,00,00,20,02,00,00,00,03,18,00,ff,01
,0f,00,01,01,00,00,00,\

00,00,05,12,00,00,00,20,02,00,00,00,03,18,00,00,00,02
,00,01,02,00,00,00,00,\

00,05,20,00,00,00,23,02,00,00,00,03,18,00,9d,00,00,00
,01,01,00,00,00,00,00,\

05,04,00,00,00,23,02,00,00,00,03,18,00,9d,00,00,00,01
,02,00,00,00,00,00,05,\

```

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20,00,00,00,21,02,00,00,01,01,00,00,00,00,00,05,12,00,00,00,01,01,00,00,00,00,00,00,00,05,12,00,00,00
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RpcSs\Enum]
"0"="Root\LEGACY_RPCSS\000000"
"Count"=dword:00000001
"NextInstance"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\s3]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="Video"
"ErrorControl"=dword:00000000
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\s3\Device0]
"VgaCompatible"=dword:00000000
"InstalledDisplayDrivers"=hex(7):73,33,00,00
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Schedule]
"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,41,74,53,76,63,2e,45,78,65,00
"ObjectName"="LocalSystem"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Scsiprt]
"Type"=dword:00000001
"Start"=dword:00000002
"Group"="Extended base"
"ErrorControl"=dword:00000000
"DependOnGroup"=hex(7):53,43,53,49,20,6d,69,6e,69,70,6f,72,74,00,00
"Tag"=dword:00000003
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Scsiprt\Enum]
"Count"=dword:00000000
"NextInstance"=dword:00000000
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Scsiscan]
"Type"=dword:00000001
"Start"=dword:00000001
"Group"="SCSI Class"
"ErrorControl"=dword:00000000
"Tag"=dword:00000003
"DependOnGroup"=hex(7):53,43,53,49,20,6d,69,6e,69,70,6f,72,74,00,00
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Scsiscan\Enum]
"0"="Root\LEGACY_SCSISCAN\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Serial]
"Type"=dword:00000001
"Start"=dword:00000002
"Group"="Extended base"
"ErrorControl"=dword:00000000
"Tag"=dword:00000001
"ForceFifoEnable"=dword:00000001
"RxFIFO"=dword:00000008
"TxFIFO"=dword:00000001
"PermitShare"=dword:00000000
"LogFifo"=dword:00000000
"ShareInterrupt"=dword:00000000
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Serial\Parameters]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Serial\Enum]
"0"="Root\LEGACY_SERIAL\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Sermouse]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="Pointer Port"
"ErrorControl"=dword:00000000
"Tag"=dword:00000002
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Sermouse\Parameters]
"MouseDataQueueSize"=dword:00000064
"NumberOfButtons"=dword:00000002
"SampleRate"=dword:00000028
"PointerDeviceBaseName"="PointerPort"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Sfloppy]
"Type"=dword:00000001
"Start"=dword:00000001
"Group"="Primary disk"
"ErrorControl"=dword:00000000
"Tag"=dword:00000004
"DependOnGroup"=hex(7):53,43,53,49,20,6d,69,6e,69,70,6f,72,74,00,00
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Sfloppy\Enum]
"Count"=dword:00000000
"NextInstance"=dword:00000000
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Simbad]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="Filter"
"ErrorControl"=dword:00000001
"Tag"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\slcd32]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="SCSI miniport"
"ErrorControl"=dword:00000001
"Tag"=dword:0000001c
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Sparrow]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="SCSI miniport"
"ErrorControl"=dword:00000001
"Tag"=dword:00000007
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Spock]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="SCSI miniport"
"ErrorControl"=dword:00000001
"Tag"=dword:00000002
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Spooler]
"Type"=dword:00000110
"Start"=dword:00000004
"Group"="SpoolerGroup"
"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,73,70,6f,6f,6c,73,73,2e,65,78,65,00
"ObjectName"="LocalSystem"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Spooler\Parameters]
```

```
[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,4d,53,53,51,4c,37,5c,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,53,65,72,76,65,72,00,00
"DependOnGroup"=hex(7):00
"ObjectName"="LocalSystem"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\SQLServerAgent\Security]
"Security"=hex:01,00,14,80,c0,00,00,cc,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,\
00,00,20,02,00,00,02,00,8c,00,05,00,00,00,00,18,00,
,8d,01,02,00,01,01,00,\
00,00,00,00,01,00,00,00,76,00,63,00,00,01c,00,fd,
,01,02,00,01,02,00,00,\
00,00,00,05,20,00,00,00,23,02,00,00,00,17,00,00,00,
,1c,00,ff,01,0f,00,01,\
02,00,00,00,00,05,20,00,00,20,02,00,00,00,17,
,00,00,00,1c,00,ff,01,\
0f,00,01,02,00,00,00,00,05,20,00,00,25,02,00,00,
,00,00,17,00,00,00,18,\
00,fd,01,02,00,01,01,00,00,00,05,12,00,00,25,
,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
\Srv]
"Type"=dword:00000002
"Start"=dword:00000003
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):5c,53,79,73,74,65,6d,52,6f,6f,74,5
c,53,79,73,74,65,6d,33,32,\
5c,64,72,69,76,65,72,73,5c,73,72,76,2e,73,79,73,00
"DisplayName"="Srv"
"Group"="Network"
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Srv\Linkage]
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Srv\Linkage\Disabled]
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Srv\Parameters]
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Srv\Security]
"Security"=hex:01,00,14,80,c0,00,00,00,cc,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,
,00,00,00,00,01,00,00,\
00,00,20,02,00,00,02,00,8c,00,05,00,00,00,00,18,00,
,8d,01,02,00,01,01,00,\
00,00,00,00,01,00,00,00,76,00,69,00,00,01c,00,fd,
,01,02,00,01,02,00,00,\
00,00,00,05,20,00,00,00,23,02,00,00,63,00,65,00,00,
,1c,00,ff,01,0f,00,01,\
```

```
02,00,00,00,00,00,05,20,00,00,00,20,02,00,00,63,00,65
,00,00,00,1c,00,ff,01,\
0f,00,01,02,00,00,00,00,00,05,20,00,00,25,02,00,00,
,63,00,65,00,00,00,18,\
00,fd,01,02,00,01,01,00,00,00,00,05,12,00,00,25,
,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
\Srv\Enum]
"0"="Root\LEGACY_SRV\0000"
"Count"=dword:00000001
"NextInstance"=dword:00000001
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\symc810]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="SCSI miniport"
"ErrorControl"=dword:00000001
"Tag"=dword:0000001a
"RequestedSystemResources"=hex(a):48,01,00,00,05,00,0
0,00,00,00,00,00,2d,00,00,\
00,00,00,00,00,00,00,00,00,00,00,00,00,01,00,00,00,01
,00,01,00,09,00,00,00,\
00,02,03,00,00,00,00,00,35,00,00,00,35,00,00,00,00,00
,00,00,00,00,00,00,\
00,00,00,00,00,00,01,01,01,00,01,00,00,00,00,01,00,
,00,00,01,00,00,00,28,\
00,00,00,00,00,00,ff,28,00,00,00,00,00,08,01,01,00,
,01,00,00,00,00,01,00,\
00,00,01,00,00,00,28,00,00,00,00,00,ff,28,00,00,00,
,00,00,00,01,03,01,00,\
00,00,00,00,01,00,00,00,01,00,00,00,00,dc,f7,00,00,
,00,00,ff,00,dc,f7,00,\
00,00,00,08,03,01,00,00,00,00,00,01,00,00,00,01,00,
,00,00,00,dc,f7,00,00,\
00,00,ff,00,dc,f7,00,00,00,00,08,03,01,00,00,00,00,00
,00,01,00,00,00,01,00,\
00,00,00,db,f7,00,00,00,00,ff,0f,db,f7,00,00,00,00,01
,03,01,00,00,00,00,00,\
00,10,00,00,00,10,00,00,00,db,f7,00,00,00,00,ff,0f
,db,f7,00,00,00,00,08,\
03,01,00,00,00,00,00,00,10,00,00,00,10,00,00,00,00,dc
,f7,00,00,00,00,ff,00,\
```

```
dc,f7,00,00,00,00,08,03,01,00,00,00,00,00,10,00,00
,00,10,00,00,00,00,db,\
f7,00,00,00,00,ff,0f,db,f7,00,00,00,00
"ImagePath"=hex(2):53,79,73,74,65,6d,33,32,5c,44,52,4
9,56,45,52,53,5c,73,79,6d,\
63,38,31,30,2e,73,79,73,00
"PlugPlayServiceType"=dword:00000001
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\SysDown]
"Type"=dword:00000010
"Start"=dword:00000002
"ErrorControl"=dword:00000001
"ImagePath"=hex(2):53,59,53,54,45,4d,33,32,5c,44,52,4
9,56,45,52,53,5c,53,59,53,\
44,4f,57,4e,2e,45,58,45,00
"DisplayName"="Compaq System Shutdown Service"
"DependOnService"=hex(7):53,79,73,4d,67,6d,74,00,00
"DependOnGroup"=hex(7):00
"ObjectName"="LocalSystem"
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\SysDown\Linkage]
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\SysDown\Linkage\Disabled]
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\SysDown\Parameters]
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\SysDown\Security]
"Security"=hex:01,00,14,80,c0,00,00,00,cc,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,
,00,00,00,00,01,00,00,\
00,00,20,02,00,00,02,00,8c,00,05,00,00,00,00,18,00,
,8d,01,02,00,01,01,00,\
00,00,00,00,01,00,00,00,00,00,00,00,00,00,00,01c,00,fd
,01,02,00,01,02,00,00,\
00,00,00,05,20,00,00,00,23,02,00,00,00,00,00,00,00,00,
,1c,00,ff,01,0f,00,01,\
02,00,00,00,00,05,20,00,00,20,02,00,00,00,00,00,00,
,00,00,00,1c,00,ff,01,\
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,fd,01,02,00,01,01,00,00,00,00,05,12,00,00,25,
,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
\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):53,59,53,54,45,4d,33,32,5c,44,52,4
9,56,45,52,53,5c,53,59,53,\
4d,47,4d,54,2e,53,59,53,00
"DisplayName"="Compaq System Management Driver"
"Group"="System Management"
"InstalledBySetup"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\SysMgmt\Data]
"FeatureASR"=dword:00000002
"FeatureFan"=dword:00000002
"FeatureTemp"=dword:00000002
"FeatureECC"=dword:00000002
"FeatureDDC"=dword:00000002
"FeatureIICTemp"=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,d9,03,02,0d,00,1a,00,
01,0a,00,01,01,07,01,05,\

c0,12,1e,d4,3c,02,bc,03,20,01,2e,13,01,01,03,00,7f,01
,00,c1,45,00,01,00,10,\

00,06,3c,01,00,00,01,20,02,18,1b,00,00,00,03,20,03,01
,00,17,10,00,00,05,20,\

01,01,00,02,20,01,01,00,20,01,2e,13,02,01,03,00,7f,01
,00,c1,45,00,01,00,10,\

00,06,3c,01,00,00,01,20,02,19,1b,00,00,00,03,20,03,01
,00,17,20,00,00,05,20,\

01,01,00,02,20,01,01,00,20,01,2e,13,03,01,02,00,7f,01
,00,c1,85,00,02,00,10,\

00,06,3c,01,00,00,01,20,02,1a,1b,00,00,00,03,20,03,01
,00,17,40,00,00,05,20,\

01,01,00,02,20,01,01,00,20,01,2e,13,04,01,02,00,7f,01
,00,c1,85,00,02,00,10,\

00,06,3c,01,00,00,01,20,02,1b,1b,00,00,00,03,20,03,01
,00,17,80,00,00,05,20,\

01,01,00,02,20,01,01,00,30,01,30,13,01,04,01,00,00,00
,00,c1,00,00,02,00,00,\

00,06,3c,00,00,39,01,20,02,04,1b,00,00,00,06,22,01,9e
,00,02,20,01,01,00,05,\

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```

20,01,01,00,07,20,05,3c,00,40,30,01,1f,13,02,04,01,00
,00,00,00,c1,00,00,20,\

00,00,00,06,3c,00,00,3e,01,24,01,08,02,24,01,08,05,24
,01,08,30,01,1f,13,03,\

03,a2,00,00,00,00,00,00,20,00,00,00,00,00,00,00,39
,01,24,01,08,02,24,01,\

08,05,24,01,08,40,01,31,12,01,04,07,00,82,00,00,c1,45
,00,20,00,10,00,14,3c,\

01,00,01,20,03,01,16,17,01,00,00,03,20,03,01,16,17,04
,00,00,02,20,01,10,00,\

05,20,02,12,1b,00,00,00,40,01,31,12,02,04,07,00,82,00
,00,c1,45,00,20,00,10,\

00,14,3c,01,00,01,20,03,01,16,17,02,00,00,03,20,03,01
,16,17,08,00,00,02,20,\

01,10,00,05,20,02,12,1b,00,00,00,42,01,34,15,01,03,23
,00,7f,00,00,c1,45,00,\

20,00,08,00,06,3c,00,00,00,01,01,01,20,03,07,04,17,50
,50,00,03,20,03,01,02,\

17,08,00,00,02,20,01,10,00,05,20,02,06,03,00,00,00,42
,01,34,15,01,03,23,00,\

00,00,00,c1,45,00,20,00,08,00,06,3c,00,00,00,01,01,01
,20,03,07,04,17,a0,a0,\

00,03,20,03,07,02,17,88,00,00,02,20,01,10,00,05,20,02
,06,03,00,00,00,42,01,\

34,15,02,03,43,00,00,00,c1,85,00,20,00,08,00,06,3c
,00,00,00,02,01,01,20,\

03,07,04,17,05,05,00,03,20,03,01,02,17,04,00,00,02,20
,01,10,00,05,20,02,06,\

03,00,00,00,42,01,34,15,02,03,43,00,00,00,c1,85,00
,20,00,08,00,06,3c,00,\

00,00,02,01,01,20,03,07,04,17,0a,0a,00,03,20,03,07,02
,17,44,00,00,02,20,01,\

10,00,05,20,02,06,03,00,00,00,42,01,34,15,03,03,63,00
,00,00,00,c1,c5,00,20,\

00,08,00,06,3c,00,00,00,03,01,01,20,03,07,03,17,50,50
,00,03,20,03,01,02,17,\

02,00,00,02,20,01,10,00,05,20,02,06,03,00,00,00,42,01
,34,15,03,03,63,00,00,\

00,00,c1,c5,00,20,00,08,00,06,3c,00,00,00,03,01,01,20
,03,07,03,17,a0,a0,00,\

03,20,03,07,02,17,22,00,00,02,20,01,10,00,05,20,02,06
,03,00,00,00,42,01,34,\

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15,04,03,83,00,00,00,00,c1,05,01,20,00,08,00,06,3c,00
,00,00,04,01,01,20,03,\

07,03,17,05,05,00,03,20,03,01,02,17,01,00,00,02,20,01
,10,00,05,20,02,06,03,\

00,00,00,42,01,34,15,04,03,83,00,00,00,00,c1,05,01,20
,00,08,00,06,3c,00,00,\

00,04,01,01,20,03,07,03,17,0a,0a,00,03,20,03,07,02,17
,11,00,00,02,20,01,10,\

00,05,20,02,06,03,00,00,a0,01,28,16,01,01,04,00,00
,00,00,c1,00,00,08,00,\

00,00,c4,3c,00,00,59,3c,10,14,01,20,02,20,00,00,00,00
,02,20,01,01,00,05,20,\

01,01,00,90,01,20,10,01,02,00,00,00,00,80,00,00,40
,00,40,00,00,00,07,20,\

05,0a,00,10,02,20,01,40,00,05,20,01,40,00,24,45,4e,44
,53,48,46
"SHFSpecVer"=dword:00000100
"SHFVer"=dword:00000000
"SHFFamily"=""

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\SysMgmt\Linkage]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\SysMgmt\Linkage\Disabled]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\SysMgmt\Parameters]
"DriverMode"=dword:00000e11

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\SysMgmt\Security]
"Security"=hex:01,00,14,80,c0,00,00,00,cc,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
,00,00,00,00,01,00,00,\

00,00,20,02,00,00,02,00,8c,00,05,00,00,00,00,00,18,00
,8d,01,02,00,01,01,00,\

00,00,00,00,01,00,00,00,00,01,00,00,00,00,00,1c,00,fd
,01,02,00,01,02,00,00,\

00,00,00,05,20,00,00,00,23,02,00,00,c8,00,00,00,00,00
,1c,00,ff,01,0f,00,01,\

02,00,00,00,00,00,05,20,00,00,00,20,02,00,00,c8,00,00
,00,00,00,1c,00,ff,01,\

0f,00,01,02,00,00,00,00,05,20,00,00,00,25,02,00,00
,c8,00,00,00,00,00,18,\

00,fd,01,02,00,01,01,00,00,00,00,05,12,00,00,00,25
,02,00,00,01,01,00,00,\

```

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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\SysMgmt\Enum]
"0"=Root\LEGACY_SYSMGMT\0000
"Count"=dword:00000001
"NextInstance"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\T128]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="SCSI miniport"
"ErrorControl"=dword:00000001
"Tag"=dword:00000012

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\T128\Parameters]
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\T128\Parameters\Device0]
"DriverParameter"="IRQ=5"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\T13B]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="SCSI miniport"
"ErrorControl"=dword:00000001
"Tag"=dword:00000013

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\T13B\Parameters]
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\T13B\Parameters\Device0]
"DriverParameter"="IRQ=5"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\TapiSrv]
"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,73,79,73,74,65,6d,33,\
32,5c,74,61,70,69,73,72,76,2e,65,78,65,00
"ObjectName"="LocalSystem"
"DisplayName"="Telephony Service"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\TapiSrv\Performance]
"Close"="CloseTapiPerformanceData"
"Collect"="CollectTapiPerformanceData"
"Library"="tapiperf.dll"
"Open"="OpenTapiPerformanceData"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\TapiSrv\Security]
"Security"=hex:01,00,14,80,b4,00,00,00,c0,00,00,00,14,00,00,00,34,00,00,00,02,\

```

```

00,20,00,01,00,00,00,02,80,18,00,ff,01,0f,00,01,01,00,00,00,00,01,00,00,\
00,00,20,02,00,00,02,00,80,00,05,00,00,00,03,18,00,8d,00,02,00,01,01,00,\
00,00,00,01,00,00,00,00,00,00,00,00,03,18,00,ff,01,0f,00,01,02,00,00,\
00,00,00,05,20,00,00,00,20,02,00,00,00,03,18,00,8f,00,02,00,01,02,00,00,\
00,00,05,20,00,00,00,23,02,00,00,03,18,00,9d,00,00,00,01,01,00,00,00,00,\
00,05,04,00,00,00,23,02,00,00,03,18,00,9d,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,\
00,00,00,05,12,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Tcpip]
"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,74,63,70,69,70,2e,73,79,73,00
"DisplayName"="TCP/IP Service"
"Group"="PNP_TDI"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Tcpip\Linkage]
"Bind"=hex(7):5c,44,65,76,69,63,65,5c,4e,31,30,30,31,00,00
"Export"=hex(7):5c,44,65,76,69,63,65,5c,54,63,70,69,70,5c,4e,31,30,30,31,00,00
"Route"=hex(7):22,4e,31,30,30,22,20,22,4e,31,30,30,31,22,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Tcpip\Linkage\Disabled]
"Bind"=hex(7):00
"Export"=hex(7):00
"Route"=hex(7):00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Tcpip\Parameters]
"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
"Domain"=""
"Hostname"="wow"
"NameServer"=""
"ForwardBroadcasts"=dword:00000000
"IPEnableRouter"=dword:00000000
"SearchList"=""
"EnableSecurityFilters"=dword:00000000

```

```

"KeepAliveTime"=dword:000493e0

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Tcpip\Parameters\PersistentRoutes]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Tcpip\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,77,73,68,74,63,70,69,70,2e,64,6c,6c,00
"MaxSockAddrLength"=dword:00000010
"MinSockAddrLength"=dword:00000010
"Mapping"=hex:0b,00,00,00,03,00,00,00,02,00,00,00,01,00,00,00,06,00,00,00,02,\
00,00,00,01,00,00,00,00,00,00,02,00,00,00,00,00,00,00,06,00,00,00,00,00,\
00,00,00,00,00,06,00,00,00,00,00,00,00,01,00,00,00,06,00,00,00,02,00,00,\
00,02,00,00,11,00,00,00,02,00,00,00,02,00,00,00,00,00,02,00,00,00,\
00,00,00,11,00,00,00,00,00,00,00,00,00,00,11,00,00,00,00,00,02,\
00,00,00,11,00,00,00,02,00,00,00,03,00,00,00,00,00,00,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Tcpip\Performance]
"Library"="Perfctrs.dll"
"Open"="OpenTcpIpPerformanceData"
"Collect"="CollectTcpIpPerformanceData"
"Close"="CloseTcpIpPerformanceData"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Tcpip\Security]
"Security"=hex:01,00,14,80,c0,00,00,00,cc,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,\
00,00,20,02,00,00,02,00,8c,00,05,00,00,00,00,18,00,8d,01,02,00,01,01,00,\
00,00,00,00,01,00,00,00,00,6d,00,00,00,00,00,1c,00,fd,01,02,00,01,02,00,00,\
00,00,00,05,20,00,00,00,23,02,00,00,73,45,72,76,00,00,1c,00,ff,01,0f,00,01,\
02,00,00,00,00,05,20,00,00,00,20,02,00,00,73,45,72,76,00,00,1c,00,ff,01,\
0f,00,01,02,00,00,00,00,05,20,00,00,00,25,02,00,00,73,45,72,76,00,00,18,\
00,fd,01,02,00,01,01,00,00,00,00,00,05,12,00,00,00,25,02,00,00,01,01,00,00,\

```

00,00,00,05,12,00,00,00,01,01,00,00,00,00,05,12,00,00,00

```
[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\tga]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="Video"
"ErrorControl"=dword:00000000
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\tga\Device0]
"VgaCompatible"=dword:00000000
"InstalledDisplayDrivers"=hex(7):74,67,61,00,00
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\tmv1]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="SCSI miniport"
"ErrorControl"=dword:00000001
"Tag"=dword:00000018
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\tmv1\Parameters]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\tmv1\Parameters\Device0]
"DriverParameter"="IRQ=15"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Ultra124]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="SCSI miniport"
"ErrorControl"=dword:00000001
"Tag"=dword:0000000b
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Ultra14f]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="SCSI miniport"
"ErrorControl"=dword:00000001
```

"Tag"=dword:0000000a

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Ultra24f]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="SCSI miniport"
"ErrorControl"=dword:00000001
"Tag"=dword:0000000c
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\update]
"Type"=dword:00000001
"Start"=dword:00000001
"Group"="Base"
"ErrorControl"=dword:00000000
"Tag"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\update\Enum]
"Count"=dword:00000000
"NextInstance"=dword:00000000
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\UPS]
"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,75,70,73,2e,65,78,65,00
"ObjectName"="LocalSystem"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\v7vram]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="Video"
"ErrorControl"=dword:00000000
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\v7vram\Device0]
"VgaCompatible"=dword:00000001
"InstalledDisplayDrivers"=hex(7):76,67,61,00,76,67,61,32,35,36,00,00
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\VgaSave]
"Type"=dword:00000001
"Start"=dword:00000001
"Group"="Video Save"
"ErrorControl"=dword:00000000
"Tag"=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,76,67,61,2e,73,79,73,00
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\VgaSave\Device0]
"VgaCompatible"=dword:00000001
"InstalledDisplayDrivers"=hex(7):76,67,61,00,00
"HardwareInformation.Crc32"=hex:aa,36,19,6b
```

```
[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\VgaStart]
"Type"=dword:00000001
"Start"=dword:00000001
"Group"="Video Init"
"ErrorControl"=dword:00000000
"Tag"=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,76,67,61,2e,73,79,73,00
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\VgaStart\Device0]
"VgaCompatible"=dword:00000001
"InstalledDisplayDrivers"=hex(7):76,67,61,00,00
"ForceVga"=dword:00000001
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\VgaStart\Enum]
"Count"=dword:00000000
"NextInstance"=dword:00000000
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\VXD]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\VXD\JAVASUP]
"Start"=hex:00
"StaticVxD"="JAVASUP.VXD"
```

```
[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\RDSServer.DataFactory]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\w3svc\parameters\Virtual Roots]
"MSADC"="C:\\Program Files\\Common Files\\System\\MSADC,,5"
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Wd33c93]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="SCSI miniport"
"ErrorControl"=dword:00000001
"Tag"=dword:00000011
```



```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Wd33c93\Parameters]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Wd33c93\Parameters\Device0]
"DriverParameter"="IRQ=10;DMA=6"
"DisableDisconnect"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\wd90c24a]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="Video"
"ErrorControl"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\wd90c24a\Device0]
"VgaCompatible"=dword:00000001
"InstalledDisplayDrivers"=hex(7):76,67,61,00,76,67,61,
32,35,36,00,77,64,39,30,\
63,32,34,61,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\wdvga]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="Video"
"ErrorControl"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\wdvga\Device0]
"VgaCompatible"=dword:00000001
"InstalledDisplayDrivers"=hex(7):76,67,61,00,76,67,61,
32,35,36,00,76,67,61,36,\
34,6b,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\weitekp9]
"Type"=dword:00000001
"Start"=dword:00000004
"Group"="Video"
"ErrorControl"=dword:00000000

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\weitekp9\Device0]
"VgaCompatible"=dword:00000000
"InstalledDisplayDrivers"=hex(7):77,65,69,74,65,6b,70,
39,00,00

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\WinSock]
"Type"=dword:00000004
"Start"=dword:00000003
"ErrorControl"=dword:00000001

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\WinSock\Autodial]
"AutodialDllName32"="wininet.dll"
"AutodialFcnName32"="InternetAutodialCallback"

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\WinSock\Linkage]
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\WinSock\Linkage\Disabled]

[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,53,0
0,00
"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,10,00,00,11,00,00,00,14,00,00,00,14,00,0
0,\
00,05,00,00,00,00,00,00,80,00,fa,00,00,f0,00,00,00,09,
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,c8,00,00,00,0e,\
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,a4,00,00,00,09,12,00,00,11,00,00,00,14,00,00,00,
14,00,00,00,02,00,00,\
00,ff,ff,ff,ff,00,fa,00,00,80,00,00,00,5c,00,44,00,65,
00,76,00,69,00,63,00,\
65,00,5c,00,4e,00,62,00,66,00,5f,00,4e,00,31,00,30,00,
30,00,31,00,00,00,5c,\
00,44,00,65,00,76,00,69,00,63,00,65,00,5c,00,4e,00,62,
00,66,00,5f,00,4e,00,\
31,00,30,00,30,00,31,00,00,00,5c,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,00,4e,00,31,00,30,
00,30,00,31,00,00,00,\
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,00,4e,00,31,00,30,00,30,00,31,00,00,00
```

```
"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 Guides]
"IsoTp"=hex:b0,cb,e4,89,c1,b9,cf,11,95,c8,00,80,5f,48,
a1,92
"McsXns"=hex:b1,cb,e4,89,c1,b9,cf,11,95,c8,00,80,5f,4
8,a1,92
"AppleTalk"=hex:a0,17,3b,2c,df,c6,cf,11,95,c8,00,80,5
f,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:00000001
"Next_Provider_ID"=dword:000007d0

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\WinSock2\Parameters\NameSpace_Catalog5\Catalog_Entrie
s]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\WinSock2\Parameters\NameSpace_Catalog5\Catalog_Entrie
s\000000000001]
"LibraryPath"="%SystemRoot%\System32\rnr20.dll"
"DisplayString"="TCP/IP"
"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:434e5f4e

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\WinSock2\Parameters\Protocol_Catalog9]
"Num_Catalog_Entries"=dword:00000007
"Next_Provider_ID"=dword:00000001
"Next_Catalog_Entry_ID"=dword:000003f4

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\WinSock2\Parameters\Protocol_Catalog9\Catalog_Entrie
s]

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\WinSock2\Parameters\Protocol_Catalog9\Catalog_Entrie
s\000000000001]
```

```

"PackedCatalogItem"=hex:25,53,79,73,74,65,6d,52,6f,6f
,74,25,5c,73,79,73,74,65,\
6d,33,32,5c,6d,73,61,66,64,2e,64,6c,6c,00,69,00,76,00
,65,00,72,00,20,00,62,\
00,61,00,73,00,69,00,63,00,20,00,6e,00,6f,00,29,00,28
,00,64,00,65,00,76,00,\
43,00,6c,00,61,00,73,00,73,00,20,00,6e,00,64,00,69,00
,73,00,54,00,72,00,61,\
00,6e,00,73,00,70,00,6f,00,72,00,74,00,20,00,62,00,61
,00,73,00,69,00,63,00,\
20,00,6e,00,6f,00,29,00,28,00,64,00,65,00,76,00,43,00
,6c,00,61,00,73,00,73,\
00,20,00,6e,00,65,00,74,00,42,00,69,00,6f,00,73,00,54
,00,72,00,61,00,6e,00,\
73,00,70,00,6f,00,72,00,74,00,20,00,6e,00,64,00,69,00
,73,00,54,00,72,00,61,\
00,6e,00,73,00,70,00,6f,00,72,00,74,00,20,00,6e,00,6f
,00,29,00,28,00,64,00,\
65,00,76,00,43,00,6c,00,61,00,73,00,73,00,20,00,6c,00
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73,00,70,00,6f,00,72,00,74,00,20,00,6e,00,64,00,69,00,73,00,54,00,72,00,61,\

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Current Revisions  
 I/O Board Revision . . . . . 04  
 Assembly Version . . . . . 1  
 Functional Revision Level . D

Memory Allocation (including INSPECT)  
 PSP SIZE NAME TRAPPED INTERRUPTS  
 -----  
 08C8 007200 COMMAND.COM F7h FDh EAh 2Fh 2Eh 24h 23h  
 22h  
 0A93 206224 INSPECT.EXE FBh F8h F1h EFh EBh E7h 3Fh  
 00h

System Configuration Memory  
 00 - 0F: 34 00 39 00 16 00 03 07 07 99 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 19 80 00 00 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 04 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 : 25 00 00 00 00 30 00 0E 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 70 A8 10 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 30 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 : 0AA3:0555 0070:0465 07FF:0016 0070:0465  
 04 - 07 : 0070:0465 F000:FF54 F000:93CC F000:9BD0  
 08 - 0B : 07FF:001F 07FF:0028 F000:9BD0 F000:9BD0  
 0C - 0F : F000:9BD0 F000:9BD0 07FF:009A 0070:0465  
 10 - 13 : C000:3342 F000:F84D F000:F841 0070:03EE  
 14 - 17 : F000:F71E 0245:0240 0070:042D F000:EFD2  
 18 - 1B : F000:C2E8 08C0:002F F000:FE6E 0070:045F  
 1C - 1F : F000:FF53 C000:1E2B 0000:0522 C000:6032  
 20 - 23 : 00C9:0FA8 00C9:0FB2 08C8:0314 08C8:016D  
 24 - 27 : 08C8:0178 00C9:0FBC 00C9:0FC6 00C9:0FD0  
 28 - 2B : 00C9:106F 0070:0466 00C9:106F 00C9:106F  
 2C - 2F : 00C9:106F 00C9:106F 08C8:0162 08C9:01CC  
 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 1B23:04F5  
 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 : 07FF:0035 E800:28DD 07FF:00B2 F000:9BD0  
 74 - 77 : 07FF:00E2 F000:9C28 07FF: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 0F10:0CFD  
 E8 - EB : 0083:0009 0006:1FB9 0008:1FB7 0000:F886  
 EC - EF : 0000:0203 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:EC21  
 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 . . . . . 4  
  
 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 . . . . . C6EFF000h  
 Memory Address Length . . . . . 1000h  
  
 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 . . . . . C6FFDF0h  
 Memory Address Length . . . . . 10h  
  
 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  
  
 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

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## SUT System Configuration

Date . . . . . 07/09/1999  
Time . . . . . 10:45:40

Product . . . . . LIGHTNING

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 . . . . . 0918CL640020

CPU Mode . . . . . Real Mode

System ROM  
Revision . . . . . 06/28/1999  
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)Copyright  
CO...)

Address Range . . . . . CC000 - CFFFF  
Data Dump . . . . . (04/22/98 ROC  
ROC-LCR Option ROM/BIOS (C)Copyright COMPAQ...)

Address Range . . . . . D0000 - D0FFF  
Data Dump . . . . . ( Copyright (C)  
1997,1998 Intel Corporation )

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) . . . . . 512 Megabytes  
Bank 2 (SDRAM) . . . . . 512 Megabytes  
Bank 3 (SDRAM) . . . . . 512 Megabytes  
Bank 4 (SDRAM) . . . . . 512 Megabytes  
Bank 5 (SDRAM) . . . . . 512 Megabytes

Bank 6 (SDRAM) . . . . . 512 Megabytes  
Bank 7 (SDRAM) . . . . . 512 Megabytes  
Bank 8 (SDRAM) . . . . . 512 Megabytes  
Total Compaq Memory . . . . . 4096 Megabytes

Keyboard . . . . . Enhanced

LPT Ports . . . . . LPT1 (Address 378)

COM Ports . . . . . COM1 (Address 3F8)  
COM2 (Address 2F8)

Diskette Drive A . . . . . 1.44 Megabyte (3.5  
inch)

Drive Controller 1, Compaq Integrated Smart Array  
Controller  
IDA Firmware Revision . . . . . 1.20  
Array Accelerator Memory . . . . . 12284 Kbytes  
Accelerator Status . . . . . Not Configured  
Battery count . . . . . 0  
Batteries charged . . . . . 0  
Batteries failed . . . . . 0

Drive Controller 2, Compaq Smart Array 4200  
Controller  
IDA Firmware Revision . . . . . 0.42  
Array Accelerator Memory . . . . . 57344 Kbytes  
Reserved for reads . . . . . 28672 Kbytes  
Reserved for writes . . . . . 28672 Kbytes  
Accelerator Status . . . . . Not Configured  
Battery count . . . . . 3  
Batteries charged . . . . . 3  
Batteries failed . . . . . 0  
ProLiant . . . . . Bus 1, Rev. JB43  
ProLiant . . . . . Bus 2, Rev. JB43  
ProLiant . . . . . Bus 3, Rev. JB43  
ProLiant . . . . . Bus 4, Rev. JB43

Logical Drive 1 . . . . . 28321 Megabyte  
Fault Tolerance . . . . . None  
OS Format . . . . . Multi-Sector

Distribution  
Drive geometry (Cyl, Hds, Sec) 6779, 255, 32  
Array Accelerator . . . . . Disabled

Hard Drive 1  
SCSI Bus . . . . . 1  
SCSI ID . . . . . 0  
Serial Number . . . . .  
LJD2342900001927221C  
Firmware Revision 1 . . . . . 3B00  
Model Number . . . . . COMPAQ BD00911934  
Initialized for Monitoring . . . . . Yes

Hard Drive 2  
SCSI Bus . . . . . 1  
SCSI ID . . . . . 1  
Serial Number . . . . .  
LJD2805400002919H42M  
Firmware Revision 1 . . . . . 3B00  
Model Number . . . . . COMPAQ BD00911934  
Initialized for Monitoring . . . . . Yes



Hard Drive 3  
 SCSI Bus . . . . . 1  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 LJB996090000292700W9  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 4  
 SCSI Bus . . . . . 1  
 SCSI ID . . . . . 3  
 Serial Number . . . . .  
 LJF710540000193125BP  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 5  
 SCSI Bus . . . . . 1  
 SCSI ID . . . . . 4  
 Serial Number . . . . .  
 LJ469015000019101675  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 6  
 SCSI Bus . . . . . 1  
 SCSI ID . . . . . 5  
 Serial Number . . . . .  
 LJD203570000292705HG  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 7  
 SCSI Bus . . . . . 1  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 NJ04160100001844HT6D  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 8  
 SCSI Bus . . . . . 1  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 LJB7338000029260DG5  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 9  
 SCSI Bus . . . . . 1  
 SCSI ID . . . . . 3  
 Serial Number . . . . .  
 LJ45314300002909H1DF  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 10  
 SCSI Bus . . . . . 1  
 SCSI ID . . . . . 4  
 Serial Number . . . . .  
 LJB982090000192704PG  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 11  
 SCSI Bus . . . . . 1  
 SCSI ID . . . . . 5  
 Serial Number . . . . .  
 NJ0402010000184507H9  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 12  
 SCSI Bus . . . . . 1  
 SCSI ID . . . . . 6  
 Serial Number . . . . .  
 LJD01775000029260L6L  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 13  
 SCSI Bus . . . . . 1  
 SCSI ID . . . . . 0  
 Serial Number . . . . .  
 LJ446566000019091XF3  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 14  
 SCSI Bus . . . . . 1  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJ10350200001902H22X  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 15  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 0  
 Serial Number . . . . .  
 NJ04152900001845HR8T  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 16  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJD099940000192713MR  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 17  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 LJD27201000019271W12  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 18  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 3  
 Serial Number . . . . .  
 LJ48977500002911J6WH  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 19  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 4  
 Serial Number . . . . .  
 LJD33472000019273Q2T  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 20  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 5  
 Serial Number . . . . .  
 LJ13304800001903HL8R  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 21  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJ109753000019030A2Q  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 22  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 LJD3021900002927H9R8  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 23  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 3  
 Serial Number . . . . .  
 LJ4580830000191005JC  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 24  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 4  
 Serial Number . . . . .  
 LJB66839000019270925  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 25  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 5  
 Serial Number . . . . .  
 LJ480457000019101LWJ  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 26  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 6  
 Serial Number . . . . .  
 LJ491781000019110YRU  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 27  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 0  
 Serial Number . . . . .  
 LJ08557600001853HJNN  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 28  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 NJ04147500001845J5FX  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 29  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 0  
 Serial Number . . . . .  
 LJD17646000019271HG6  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 30  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJ06053700002853H2CG  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 31  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 LJ097338000019030NGW  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 32  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 3  
 Serial Number . . . . .  
 LJD276760000292703Y4  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 33  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 4  
 Serial Number . . . . .  
 LJ098301000019012DAF  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 34  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 5  
 Serial Number . . . . .  
 LJ47175400002910JDL  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 35  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJ44058000019101FJV  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 36  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 NJ04173200001845J3M2  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 37  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 3  
 Serial Number . . . . .  
 LJ4898180000191104AC  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 38  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 4  
 Serial Number . . . . .  
 LJG583680000193301LK  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 39  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 5  
 Serial Number . . . . .  
 LJ11221500001902HZAJ  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 40  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 6  
 Serial Number . . . . .  
 LJ46333300001910168W  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 41  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 0  
 Serial Number . . . . .  
 NJ04173300001845JC7E  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 42  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJ46335500002910J9Q0  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 43  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 0  
 Serial Number . . . . .  
 NJ04146500001845J161  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 44  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 NJ04130200001845J3S1  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 45  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 LJB913560001926J487  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 46  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 3  
 Serial Number . . . . .  
 NJ04172100001844HNYN  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 47  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 4  
 Serial Number . . . . .  
 LJ6044690000191611UY  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 48  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 5  
 Serial Number . . . . .  
 LJ0882490000185318TK  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 49  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJD54128000019273UEQ  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 50  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 LJ1146300001903027E  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 51  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 3  
 Serial Number . . . . .  
 LJ458976000019091TRT  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 52  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 4  
 Serial Number . . . . .  
 LJD17050000019270RXX  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 53  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 5  
 Serial Number . . . . .  
 NJ0415360000184509Q2  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 54  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 6  
 Serial Number . . . . .  
 LJ08378800001853137W  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 55  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 0  
 Serial Number . . . . .  
 NJ04132700001845J186  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 56  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJ467745000019100YRX  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Logical Drive 2 . . . . . 15725 Megabyte  
 Fault Tolerance . . . . . None  
 OS Format . . . . . Multi-Sector  
 Distribution  
 Drive geometry (Cyl, Hds, Sec) 3764, 255, 32  
 Array Accelerator . . . . . Disabled  
  
 Hard Drive 1  
 SCSI Bus . . . . . 1  
 SCSI ID . . . . . 0  
 Serial Number . . . . .  
 LJD2342900001927221C  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 2

SCSI Bus . . . . . 1  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJD2805400002919H42M  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 3  
 SCSI Bus . . . . . 1  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 LJB996090000292700W9  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 4  
 SCSI Bus . . . . . 1  
 SCSI ID . . . . . 3  
 Serial Number . . . . .  
 LJF710540000193125BP  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 5  
 SCSI Bus . . . . . 1  
 SCSI ID . . . . . 4  
 Serial Number . . . . .  
 LJ469015000019101675  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 6  
 SCSI Bus . . . . . 1  
 SCSI ID . . . . . 5  
 Serial Number . . . . .  
 LJD203570000292705HG  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 7  
 SCSI Bus . . . . . 1  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 NJ04160100001844HT6D  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 8  
 SCSI Bus . . . . . 1  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 LJB7338000029260DG5  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 9

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SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . .
LJ45314300002909H1DF
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 10
SCSI Bus . . . . . 1
SCSI ID . . . . . 4
Serial Number . . . . .
LJB982090000192704PG
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 11
SCSI Bus . . . . . 1
SCSI ID . . . . . 5
Serial Number . . . . .
NJ0402010000184507H9
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 12
SCSI Bus . . . . . 1
SCSI ID . . . . . 6
Serial Number . . . . .
LJD01775000029260L6L
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 13
SCSI Bus . . . . . 1
SCSI ID . . . . . 0
Serial Number . . . . .
LJ446566000019091XF3
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 14
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
LJ10350200001902H22X
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 15
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
NJ04152900001845HR8T
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 16

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SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJD099940000192713MR
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 17
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
LJD27201000019271W12
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 18
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
LJ48977500002911J6WH
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 19
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
LJD33472000019273Q2T
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 20
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
LJ13304800001903HLSR
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 21
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ109753000019030A2Q
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 22
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
LJD3021900002927H9R8
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 23

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SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
LJ4580830000191005JC
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 24
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
LJB66839000019270925
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 25
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
LJ480457000019101LWJ
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 26
SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . .
LJ491781000019110YRU
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 27
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
LJ08557600001853HJNN
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 28
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
NJ04147500001845J5FX
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 29
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
LJD17646000019271HG6
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 30

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SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJ06053700002853H2CG  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 31  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 LJ09733800001903ONGW  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 32  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 3  
 Serial Number . . . . .  
 LJ2767600000292703Y4  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 33  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 4  
 Serial Number . . . . .  
 LJ098301000019012DAF  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 34  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 5  
 Serial Number . . . . .  
 LJ47175400002910JDGL  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 35  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJ440580000019101FJV  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 36  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 NJ04173200001845J3M2  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 37

SCSI Bus . . . . . 2  
 SCSI ID . . . . . 3  
 Serial Number . . . . .  
 LJ4898180000191104AG  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 38  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 4  
 Serial Number . . . . .  
 LJG583680000193301LK  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 39  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 5  
 Serial Number . . . . .  
 LJ11221500001902HZAJ  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 40  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 6  
 Serial Number . . . . .  
 LJ46333300001910168W  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 41  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 0  
 Serial Number . . . . .  
 NJ04173300001845JC7E  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 42  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJ46335500002910J9Q0  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 43  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 0  
 Serial Number . . . . .  
 NJ04146500001845J161  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 44

SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 NJ04130200001845J3S1  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 45  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 LJB9135600001926J487  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 46  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 3  
 Serial Number . . . . .  
 NJ04172100001844HNYN  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 47  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 4  
 Serial Number . . . . .  
 LJ6044690000191611UY  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 48  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 5  
 Serial Number . . . . .  
 LJ0882490000185318TK  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 49  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJD54128000019273UEQ  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 50  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 LJ1146300001903027E  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 51

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SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
LJ458976000019091TRT
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 52
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
LJD1705000019270RXX
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 53
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
NJ0415360000184509Q2
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 54
SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . .
LJ08378800001853137W
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 55
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
NJ04132700001845J186
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 56
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ467745000019100YRX
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Logical Drive 3 . . . . . 419423 Megabyte
Fault Tolerance . . . . . None
OS Format . . . . . Multi-Sector
Distribution
Drive geometry (Cyl, Hds, Sec) -14544, 255, 63
Array Accelerator . . . . . Disabled

Hard Drive 1
SCSI Bus . . . . . 1
SCSI ID . . . . . 0

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Serial Number . . . . .
LJD2342900001927221C
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 2
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
LJD2805400002919H42M
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 3
SCSI Bus . . . . . 1
SCSI ID . . . . . 2
Serial Number . . . . .
LJB996090000292700W9
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 4
SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . .
LJF710540000193125BP
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 5
SCSI Bus . . . . . 1
SCSI ID . . . . . 4
Serial Number . . . . .
LJ469015000019101675
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 6
SCSI Bus . . . . . 1
SCSI ID . . . . . 5
Serial Number . . . . .
LJD203570000292705HG
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 7
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
NJ04160100001844HT6D
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 8
SCSI Bus . . . . . 1
SCSI ID . . . . . 2

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Serial Number . . . . .
LJB73380000029260DG5
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 9
SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . .
LJ45314300002909H1DF
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 10
SCSI Bus . . . . . 1
SCSI ID . . . . . 4
Serial Number . . . . .
LJB982090000192704PG
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 11
SCSI Bus . . . . . 1
SCSI ID . . . . . 5
Serial Number . . . . .
NJ0402010000184507H9
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 12
SCSI Bus . . . . . 1
SCSI ID . . . . . 6
Serial Number . . . . .
LJD01775000029260L6L
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 13
SCSI Bus . . . . . 1
SCSI ID . . . . . 0
Serial Number . . . . .
LJ446566000019091XF3
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 14
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
LJ10350200001902H22X
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 15
SCSI Bus . . . . . 2
SCSI ID . . . . . 0

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Serial Number . . . . . NJ0415290001845HR8T  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 16  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . . LJD099940000192713MR  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 17  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 2  
 Serial Number . . . . . LJD27201000019271W12  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 18  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 3  
 Serial Number . . . . . LJ48977500002911J6WH  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 19  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 4  
 Serial Number . . . . . LJD33472000019273Q2T  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 20  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 5  
 Serial Number . . . . . LJ13304800001903HL8R  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 21  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . . LJ109753000019030A2Q  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 22  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 2

Serial Number . . . . . LJD3021900002927H9R8  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 23  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 3  
 Serial Number . . . . . LJ4580830000191005JC  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 24  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 4  
 Serial Number . . . . . LJB66839000019270925  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 25  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 5  
 Serial Number . . . . . LJ480457000019101LWJ  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 26  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 6  
 Serial Number . . . . . LJ491781000019110YRU  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 27  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 0  
 Serial Number . . . . . LJ08557600001853HJNN  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 28  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . . NJ04147500001845J5FX  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 29  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 0

Serial Number . . . . . LJD17646000019271HG6  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 30  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . . LJ06053700002853H2CG  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 31  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 2  
 Serial Number . . . . . LJ097338000019030NGW  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 32  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 3  
 Serial Number . . . . . LJD276760000292703Y4  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 33  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 4  
 Serial Number . . . . . LJ098301000019012DAF  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 34  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 5  
 Serial Number . . . . . LJ47175400002910JDGL  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 35  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . . LJ440580000019101FJV  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 36  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 2

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Serial Number . . . . .
NJ04173200001845J3M2
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 37
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
LJ4898180000191104AC
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 38
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
LJG583680000193301LK
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 39
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
LJ11221500001902HZAJ
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 40
SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . .
LJ46333300001910168W
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 41
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
NJ04173300001845JC7E
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 42
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ46335500002910J9Q0
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 43
SCSI Bus . . . . . 2
SCSI ID . . . . . 0

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Serial Number . . . . .
NJ04146500001845J161
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 44
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
NJ04130200001845J3S1
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 45
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
LJB9135600001926J487
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 46
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
NJ04172100001844HNYN
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 47
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
LJ6044690000191611UY
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 48
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
LJ0882490000185318TK
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 49
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJD54128000019273UEQ
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 50
SCSI Bus . . . . . 2
SCSI ID . . . . . 2

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Serial Number . . . . .
LJ11146300001903027E
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 51
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
LJ458976000019091TRT
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 52
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
LJDI7050000019270RXR
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 53
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
NJ0415360000184509Q2
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 54
SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . .
LJ08378800001853137W
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 55
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
NJ04132700001845J186
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 56
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ467745000019100YRX
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Drive Controller 3, Compaq Smart Array 4200
Controller
IDA Firmware Revision . . . . 0.42

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Array Accelerator Memory . . . 57344 Kbytes
  Reserved for reads . . . . . 28672 Kbytes
  Reserved for writes . . . . . 28672 Kbytes
Accelerator Status . . . . . Not Configured
Battery count . . . . . 3
Batteries charged . . . . . 3
Batteries failed . . . . . 0
ProLiant . . . . . Bus 1, Rev. JB43
ProLiant . . . . . Bus 2, Rev. JB43
ProLiant . . . . . Bus 3, Rev. JB43
ProLiant . . . . . Bus 4, Rev. JB43

Logical Drive 1 . . . . . 28334 Megabyte
Fault Tolerance . . . . . None
OS Format . . . . . Multi-Sector
Distribution
Drive geometry (Cyl, Hds, Sec) 6782, 255, 32
Array Accelerator . . . . . Disabled

Hard Drive 1
SCSI Bus . . . . . 1
SCSI ID . . . . . 0
Serial Number . . . . .
LJ468042000019110S3D
Firmware Revision 1 . . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 2
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
LJ490027000019110S00
Firmware Revision 1 . . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 3
SCSI Bus . . . . . 1
SCSI ID . . . . . 2
Serial Number . . . . .
NJ04136100001845J3GV
Firmware Revision 1 . . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 4
SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . .
LJ461063000019100DR4
Firmware Revision 1 . . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 5
SCSI Bus . . . . . 1
SCSI ID . . . . . 4
Serial Number . . . . .
LJ10433800001902HWX2
Firmware Revision 1 . . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

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Hard Drive 6
SCSI Bus . . . . . 1
SCSI ID . . . . . 5
Serial Number . . . . .
LJ10348900001902HZ3W
Firmware Revision 1 . . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 7
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
LJ481507000019110YCU
Firmware Revision 1 . . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 8
SCSI Bus . . . . . 1
SCSI ID . . . . . 2
Serial Number . . . . .
LJ462968000019100K26
Firmware Revision 1 . . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 9
SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . .
LJB9722200002927004Z
Firmware Revision 1 . . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 10
SCSI Bus . . . . . 1
SCSI ID . . . . . 4
Serial Number . . . . .
LJB74752000029260ASA
Firmware Revision 1 . . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 11
SCSI Bus . . . . . 1
SCSI ID . . . . . 5
Serial Number . . . . .
LJD21793000019271RC3
Firmware Revision 1 . . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 12
SCSI Bus . . . . . 1
SCSI ID . . . . . 6
Serial Number . . . . .
LJG454550000193304SD
Firmware Revision 1 . . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

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Hard Drive 13
SCSI Bus . . . . . 1
SCSI ID . . . . . 0
Serial Number . . . . .
NJ04167100001845HRBL
Firmware Revision 1 . . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 14
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
NJ04037600001845J16M
Firmware Revision 1 . . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 15
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
LJB0336500002927H1MQ
Firmware Revision 1 . . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 16
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
NJ041736000018450FX5
Firmware Revision 1 . . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 17
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
LJD26473000019272969
Firmware Revision 1 . . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 18
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
LJD04371000029270071
Firmware Revision 1 . . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 19
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
LJB2428600001926J008
Firmware Revision 1 . . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

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Hard Drive 20  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 5  
 Serial Number . . . . .  
 LJD28572000019201RQ0  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 21  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 NJ04165900001845J1DZ  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 22  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 LJ466634000019091MLF  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 23  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 3  
 Serial Number . . . . .  
 NJ040024000018450BX3  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 24  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 4  
 Serial Number . . . . .  
 NJ03214400001844J1VR  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 25  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 5  
 Serial Number . . . . .  
 LJB99949000019262PXX  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 26  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 6  
 Serial Number . . . . .  
 LJ115998000019030YKV  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 27  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 0  
 Serial Number . . . . .  
 LJB4102400001927259X  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 28  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJ088889000018530WBU  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 29  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 0  
 Serial Number . . . . .  
 LJB9469000019262KPF  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 30  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 NJ03999700001837HVK6  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 31  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 LJD182880000192719LF  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 32  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 3  
 Serial Number . . . . .  
 LJD19384000019271SZZ  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 33  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 4  
 Serial Number . . . . .  
 LJD181180000292704S2  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 34  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 5  
 Serial Number . . . . .  
 LJ48289500001910H7BC  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 35  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJG7009800002933H2E0  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 36  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 LJD2979100001921HCR2  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 37  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 3  
 Serial Number . . . . .  
 NJ04133300001845HRAV  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 38  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 4  
 Serial Number . . . . .  
 LJD259740000192727JJ  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 39  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 5  
 Serial Number . . . . .  
 LJD13323000019270PLL  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 40  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 6  
 Serial Number . . . . .  
 LJG73188000019183JWS  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 41  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 0  
 Serial Number . . . . .  
 LJ4610640000191019ZZ  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 42  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJB995530000192709FA  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 43  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 0  
 Serial Number . . . . .  
 LJB751390000292609UQ  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 44  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJD29870000029260K4X  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 45  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 LJD060900000292700AR  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 46  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 3  
 Serial Number . . . . .  
 LJ03851200002902H7NF  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 47  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 4  
 Serial Number . . . . .  
 LJ46867100001910106L  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 48  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 5  
 Serial Number . . . . .  
 LJ109503000019030RM3  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 49  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJD149000000192713QY  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 50  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 LJB63186000019232HDK  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 51  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 3  
 Serial Number . . . . .  
 LJ106991000018531GK3  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 52  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 4  
 Serial Number . . . . .  
 NJ04151300001845HR4H  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 53  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 5  
 Serial Number . . . . .  
 LJ095895000019011HT0  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 54  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 6  
 Serial Number . . . . .  
 LJD15346000029270BQR  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 55  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 0  
 Serial Number . . . . .  
 LJ090108000019010GLY  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 56  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJC0956700001931H7MY  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Logical Drive 2 . . . . . 15725 Megabyte  
 Fault Tolerance . . . . . None  
 OS Format . . . . . Multi-Sector  
 Distribution  
 Drive geometry (Cyl, Hds, Sec) 3764, 255, 32  
 Array Accelerator . . . . . Disabled

Hard Drive 1  
 SCSI Bus . . . . . 1  
 SCSI ID . . . . . 0  
 Serial Number . . . . .  
 LJ468042000019110S3D  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 2  
 SCSI Bus . . . . . 1  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJ490027000019110S00  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 3  
 SCSI Bus . . . . . 1  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 NJ04136100001845J3GV  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 4  
 SCSI Bus . . . . . 1  
 SCSI ID . . . . . 3  
 Serial Number . . . . .  
 LJ461063000019100DR4  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 5

SCSI Bus . . . . . 1  
 SCSI ID . . . . . 4  
 Serial Number . . . . .  
 LJ10433800001902HWX2  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 6  
 SCSI Bus . . . . . 1  
 SCSI ID . . . . . 5  
 Serial Number . . . . .  
 LJ10348900001902HZ3W  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 7  
 SCSI Bus . . . . . 1  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJ481507000019110YCU  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 8  
 SCSI Bus . . . . . 1  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 LJ462968000019100K26  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 9  
 SCSI Bus . . . . . 1  
 SCSI ID . . . . . 3  
 Serial Number . . . . .  
 LJB9722200002927004Z  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 10  
 SCSI Bus . . . . . 1  
 SCSI ID . . . . . 4  
 Serial Number . . . . .  
 LJB74752000029260ASA  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 11  
 SCSI Bus . . . . . 1  
 SCSI ID . . . . . 5  
 Serial Number . . . . .  
 LJD21793000019271RC3  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 12

SCSI Bus . . . . . 1  
 SCSI ID . . . . . 6  
 Serial Number . . . . .  
 LJG454550000193304SD  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 13  
 SCSI Bus . . . . . 1  
 SCSI ID . . . . . 0  
 Serial Number . . . . .  
 NJ04167100001845HRBL  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 14  
 SCSI Bus . . . . . 1  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 NJ04037600001845J16M  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 15  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 0  
 Serial Number . . . . .  
 LJB0336500002927H1MQ  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 16  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 NJ041736000018450FX5  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 17  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 LJD26473000019272969  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 18  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 3  
 Serial Number . . . . .  
 LJD04371000029270071  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 19

SCSI Bus . . . . . 2  
 SCSI ID . . . . . 4  
 Serial Number . . . . .  
 LJB2428600001926J008  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 20  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 5  
 Serial Number . . . . .  
 LJD28572000019201RQ0  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 21  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 NJ04165900001845J1DZ  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 22  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 LJ466634000019091MLF  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 23  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 3  
 Serial Number . . . . .  
 NJ040024000018450BX3  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 24  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 4  
 Serial Number . . . . .  
 NJ03214400001844J1VR  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 25  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 5  
 Serial Number . . . . .  
 LJB99949000019262PJX  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 26

SCSI Bus . . . . . 2  
 SCSI ID . . . . . 6  
 Serial Number . . . . .  
 LJ115998000019030YKV  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 27  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 0  
 Serial Number . . . . .  
 LJB4102400001927259X  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 28  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJ088889000018530WBU  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 29  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 0  
 Serial Number . . . . .  
 LJB94690000019262KPF  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 30  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 NJ03999700001837HVK6  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 31  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 LJD182880000192719LF  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 32  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 3  
 Serial Number . . . . .  
 LJD19384000019271SZZ  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 33

SCSI Bus . . . . . 2  
 SCSI ID . . . . . 4  
 Serial Number . . . . .  
 LJD181180000292704S2  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 34  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 5  
 Serial Number . . . . .  
 LJ48289500001910H7BC  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 35  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJG7009800002933H2E0  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 36  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 LJD2979100001921HCR2  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 37  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 3  
 Serial Number . . . . .  
 NJ04133300001845HRAV  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 38  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 4  
 Serial Number . . . . .  
 LJD259740000192727JJ  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 39  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 5  
 Serial Number . . . . .  
 LJD13323000019270PLL  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 40

SCSI Bus . . . . . 2  
 SCSI ID . . . . . 6  
 Serial Number . . . . .  
 LJG73188000019183JWS  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 41  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 0  
 Serial Number . . . . .  
 LJ4610640000191019ZZ  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 42  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJB995530000192709FA  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 43  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 0  
 Serial Number . . . . .  
 LJB751390000292609UQ  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 44  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJD29870000029260K4X  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 45  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 LJD060900000292700AR  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 46  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 3  
 Serial Number . . . . .  
 LJ03851200002902H7NF  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
  
 Hard Drive 47

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SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
LJ46867100001910106L
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 48
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
LJ109503000019030RM3
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 49
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJD149000000192713QY
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 50
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
LJB63186000019232HDK
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 51
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
LJ106991000018531GK3
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 52
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
NJ04151300001845HR4H
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 53
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
LJ095895000019011HT0
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 54

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SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . .
LJD15346000029270BQR
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 55
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
LJ090108000019010GLY
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 56
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJC0956700001931H7MY
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Logical Drive 3 . . . . . 465492 Megabyte
Fault Tolerance . . . . . None
OS Format . . . . . Multi-Sector
Distribution
Drive geometry (Cyl, Hds, Sec) -8943, 255, 63
Array Accelerator . . . . . Disabled

Hard Drive 1
SCSI Bus . . . . . 1
SCSI ID . . . . . 0
Serial Number . . . . .
LJ468042000019110S3D
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 2
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
LJ490027000019110S00
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 3
SCSI Bus . . . . . 1
SCSI ID . . . . . 2
Serial Number . . . . .
NJ04136100001845J3GV
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 4
SCSI Bus . . . . . 1
SCSI ID . . . . . 3

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Serial Number . . . . .
LJ461063000019100DR4
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 5
SCSI Bus . . . . . 1
SCSI ID . . . . . 4
Serial Number . . . . .
LJ10433800001902HWX2
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 6
SCSI Bus . . . . . 1
SCSI ID . . . . . 5
Serial Number . . . . .
LJ10348900001902HZ3W
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 7
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
LJ481507000019110YCU
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 8
SCSI Bus . . . . . 1
SCSI ID . . . . . 2
Serial Number . . . . .
LJ462968000019100K26
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 9
SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . .
LJB9722200002927004Z
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 10
SCSI Bus . . . . . 1
SCSI ID . . . . . 4
Serial Number . . . . .
LJB74752000029260ASA
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 11
SCSI Bus . . . . . 1
SCSI ID . . . . . 5

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Serial Number . . . . .
LJD2179300019271RC3
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 12
SCSI Bus . . . . . 1
SCSI ID . . . . . 6
Serial Number . . . . .
LJG45455000193304SD
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 13
SCSI Bus . . . . . 1
SCSI ID . . . . . 0
Serial Number . . . . .
NJ04167100001845HRBL
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 14
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
NJ04037600001845J16M
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 15
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
LJB0336500002927H1MQ
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 16
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
NJ041736000018450FX5
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 17
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
LJD26473000019272969
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 18
SCSI Bus . . . . . 2
SCSI ID . . . . . 3

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Serial Number . . . . .
LJDO4371000029270071
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 19
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
LJB2428600001926J008
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 20
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
LJD28572000019201RQ0
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 21
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
NJ04165900001845J1DZ
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 22
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
LJ466634000019091MLF
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 23
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
NJ040024000018450BX3
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 24
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
NJ03214400001844J1VR
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 25
SCSI Bus . . . . . 2
SCSI ID . . . . . 5

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Serial Number . . . . .
LJB99949000019262PJX
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 26
SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . .
LJ115998000019030YKV
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 27
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
LJB4102400001927259X
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 28
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ088889000018530WBU
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 29
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
LJB94690000019262KPF
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 30
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
NJ03999700001837HVK6
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 31
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
LJD182880000192719LF
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 32
SCSI Bus . . . . . 2
SCSI ID . . . . . 3

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Serial Number . . . . .
LJD19384000019271SZZ
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 33
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
LJD181180000292704S2
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 34
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
LJ48289500001910H7BC
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 35
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJG7009800002933H2E0
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 36
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
LJD2979100001921HCR2
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 37
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
NJ04133300001845HRAV
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 38
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
LJD259740000192727JJ
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 39
SCSI Bus . . . . . 2
SCSI ID . . . . . 5

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Serial Number . . . . .
LJD13323000019270PLL
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 40
SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . .
LJG73188000019183JWS
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 41
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
LJ4610640000191019ZZ
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 42
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJB995530000192709FA
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 43
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
LJB751390000292609UQ
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 44
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJD29870000029260K4X
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 45
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
LJD060900000292700AR
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 46
SCSI Bus . . . . . 2
SCSI ID . . . . . 3

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Serial Number . . . . .
LJ03851200002902H7NF
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 47
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
LJ46867100001910106L
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 48
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
LJ109503000019030RM3
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 49
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJD149000000192713QY
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 50
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
LJB63186000019232HDK
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 51
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
LJ106991000018531GK3
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 52
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
NJ04151300001845HR4H
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 53
SCSI Bus . . . . . 2
SCSI ID . . . . . 5

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Serial Number . . . . .
LJ095895000019011HT0
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 54
SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . .
LJD15346000029270BQR
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 55
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
LJ090108000019010GLY
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 56
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJC0956700001931H7MY
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Drive Controller 4, Compaq Smart Array 4200
Controller
IDA Firmware Revision . . . . 0.42
Array Accelerator Memory . . . 57344 Kbytes
Reserved for reads . . . . . 28672 Kbytes
Reserved for writes . . . . . 28672 Kbytes
Accelerator Status . . . . . Not Configured
Battery count . . . . . 3
Batteries charged . . . . . 3
Batteries failed . . . . . 0
ProLiant . . . . . Bus 1, Rev. JB43
ProLiant . . . . . Bus 2, Rev. JB43
ProLiant . . . . . Bus 3, Rev. JB43
ProLiant . . . . . Bus 4, Rev. JB43

Logical Drive 1 . . . . . 28346 Megabyte
Fault Tolerance . . . . . None
OS Format . . . . . Multi-Sector
Distribution
Drive geometry (Cyl, Hds, Sec) 6785, 255, 32
Array Accelerator . . . . . Disabled

Hard Drive 1
SCSI Bus . . . . . 1
SCSI ID . . . . . 0
Serial Number . . . . .
LJ484571000019110RB3
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

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Hard Drive 2
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
LJ437135000019110YC2
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 3
SCSI Bus . . . . . 1
SCSI ID . . . . . 2
Serial Number . . . . .
LJ09363600002902H2PF
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 4
SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . .
NJ04014500001844HJ1D
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 5
SCSI Bus . . . . . 1
SCSI ID . . . . . 4
Serial Number . . . . .
LJ04514000001903HT5K
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 6
SCSI Bus . . . . . 1
SCSI ID . . . . . 5
Serial Number . . . . .
NJ04171900001845HQD2
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 7
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
NJ040159000018450CN6
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 8
SCSI Bus . . . . . 1
SCSI ID . . . . . 2
Serial Number . . . . .
NJ03974000001845J4Y7
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

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Hard Drive 9
SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . .
NJ04013200001845HQBE
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 10
SCSI Bus . . . . . 1
SCSI ID . . . . . 4
Serial Number . . . . .
NJ03901100001837HHG1
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 11
SCSI Bus . . . . . 1
SCSI ID . . . . . 5
Serial Number . . . . .
LJ472244000019101QJ9
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 12
SCSI Bus . . . . . 1
SCSI ID . . . . . 6
Serial Number . . . . .
NJ03922700001845072J
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 13
SCSI Bus . . . . . 1
SCSI ID . . . . . 0
Serial Number . . . . .
LJD05902000029270C5W
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 14
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
LJ109872000019021H3Q
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 15
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
LJ44643000002910J3YY
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

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Hard Drive 16  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJ4800490000191102RF  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 17  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 NJ04026800001835H8KU  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 18  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 3  
 Serial Number . . . . .  
 LJ449709000019100DSL  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 19  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 4  
 Serial Number . . . . .  
 LJ463548000019100P36  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 20  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 5  
 Serial Number . . . . .  
 NJ04140100001845J516  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 21  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJ0120910000184302LX  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 22  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 LJD08246000019270VDB  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 23  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 3  
 Serial Number . . . . .  
 NJ0399880000184508CU  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 24  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 4  
 Serial Number . . . . .  
 NJ0413260000H832057C  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 25  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 5  
 Serial Number . . . . .  
 NJ041512000018450G80  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 26  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 6  
 Serial Number . . . . .  
 NJ04131300001845J3Q5  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 27  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 0  
 Serial Number . . . . .  
 LJ10479100001901J432  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes  
 Reference time . . . . . 1509997801  
 Sectors read . . . . . \*1502310218  
 Hard read errors . . . . . 0  
 Read errors retry . . . . . 0  
 ECC read errors . . . . . \*0  
 Sectors written . . . . . \*3274037320  
 Hard write errors . . . . . 0  
 Write errors retry . . . . . 0  
 Seek count . . . . . \*3976409632  
 Seek errors . . . . . \*0  
 Spin cycles . . . . . 16777216  
 Spin up time . . . . . 46080  
 Seek time track . . . . . 4%  
 Seek time third . . . . . 1%  
 Seek time full . . . . . 0%  
 Reallocated sectors . . . . 234881024  
 Recovers read failed . . . . 0  
 Bus faults . . . . . 0

Hard Drive 28  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 NJ04162700001845HRA4  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 29  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 0  
 Serial Number . . . . .  
 LJG1495100002932H4N1  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 30  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJ457476000019100H6Q  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 31  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 LJF8265800001931J973  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 32  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 3  
 Serial Number . . . . .  
 LJ48943600001911048X  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 33  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 4  
 Serial Number . . . . .  
 LJF9369900001931JEL0  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 34  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 5  
 Serial Number . . . . .  
 LJF96360000019310RGO  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 35  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJ472654000019070WJJ  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 36  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 NJ04139700001845HEJV  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 37  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 3  
 Serial Number . . . . .  
 NJ04126500001845J3H8  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 38  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 4  
 Serial Number . . . . .  
 LJG53637000019321ZP3  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 39  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 5  
 Serial Number . . . . .  
 NJ04170200001845HR90  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 40  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 6  
 Serial Number . . . . .  
 LJJC1715000019321QSE  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 41  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 0  
 Serial Number . . . . .  
 LJJC1202600001931HG2  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 42  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJ456931000019100VLH  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 43  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 0  
 Serial Number . . . . .  
 NJ0414300000184207CF  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 44  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJG42338000019321AWR  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 45  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 NJ04139200001845J512  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 46  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 3  
 Serial Number . . . . .  
 LJB38194000029270C12  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 47  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 4  
 Serial Number . . . . .  
 LJG008410000290951JD  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 48  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 5  
 Serial Number . . . . .  
 LJG8553000002933HF49  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 49  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJ46908500001910125C  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 50  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 LJD2194400002927051B  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 51  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 3  
 Serial Number . . . . .  
 NJ04122900001845HYL3  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 52  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 4  
 Serial Number . . . . .  
 LJG43745000019321VCF  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 53  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 5  
 Serial Number . . . . .  
 LJF5518800001931HXCM  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 54  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 6  
 Serial Number . . . . .  
 NJ04142400001845HREM  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 55  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 0  
 Serial Number . . . . .  
 LJG578000000193216WU  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

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Hard Drive 56
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJF69126000019311BAS
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Logical Drive 2 . . . . . 15725 Megabyte
Fault Tolerance . . . . . None
OS Format . . . . . Multi-Sector
Distribution
Drive geometry (Cyl, Hds, Sec) 3764, 255, 32
Array Accelerator . . . . . Disabled

Hard Drive 1
SCSI Bus . . . . . 1
SCSI ID . . . . . 0
Serial Number . . . . .
LJ4845710000019110RB3
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 2
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
LJ4371350000019110YC2
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 3
SCSI Bus . . . . . 1
SCSI ID . . . . . 2
Serial Number . . . . .
LJ093636000002902H2PF
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 4
SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . .
NJ040145000001844HJ1D
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 5
SCSI Bus . . . . . 1
SCSI ID . . . . . 4
Serial Number . . . . .
LJ045140000001903HT5K
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 6

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SCSI Bus . . . . . 1
SCSI ID . . . . . 5
Serial Number . . . . .
NJ041719000001845HQD2
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 7
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
NJ0401590000018450CN6
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 8
SCSI Bus . . . . . 1
SCSI ID . . . . . 2
Serial Number . . . . .
NJ039740000001845J4Y7
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 9
SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . .
NJ040132000001845HQBE
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 10
SCSI Bus . . . . . 1
SCSI ID . . . . . 4
Serial Number . . . . .
NJ039011000001837HHG1
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 11
SCSI Bus . . . . . 1
SCSI ID . . . . . 5
Serial Number . . . . .
LJ4722440000019101QJ9
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 12
SCSI Bus . . . . . 1
SCSI ID . . . . . 6
Serial Number . . . . .
NJ039227000001845072J
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 13

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SCSI Bus . . . . . 1
SCSI ID . . . . . 0
Serial Number . . . . .
LJD059020000029270C5W
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 14
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
LJ1098720000019021H3Q
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 15
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
LJ446430000002910J3YY
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 16
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ48004900000191102RF
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 17
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
NJ040268000001835H8KU
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 18
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
LJ4497090000019100DSL
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 19
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
LJ4635480000019100P36
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 20

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SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
NJ04140100001845J516
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 21
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ0120910000184302LX
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 22
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
LJD08246000019270VDB
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 23
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
NJ0399880000184508CU
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 24
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
NJ0413260000H832057C
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 25
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
NJ041512000018450G80
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 26
SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . .
NJ04131300001845J3Q5
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 27

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SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
LJ10479100001901J432
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes
Reference time . . . . . 1509997802
Sectors read . . . . . *1502310218
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . *0
Sectors written . . . . . *3274037320
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . *3976409808
Seek errors . . . . . *0
Spin cycles . . . . . 16777216
Spin up time . . . . . 46080
Seek time track . . . . . 4%
Seek time third . . . . . 1%
Seek time full . . . . . 0%
Reallocated sectors . . . . 234881024
Recovers read failed . . . . 0
Bus faults . . . . . 0

Hard Drive 28
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
NJ04162700001845HRA4
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 29
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
LJG1495100002932H4N1
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 30
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ457476000019100H6Q
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 31
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
LJF8265800001931J973
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 32

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SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
LJ48943600001911048X
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 33
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
LJF9369900001931JEL0
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 34
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
LJF96360000019310RGO
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 35
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ472654000019070WJJ
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 36
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
NJ04139700001845HEJV
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 37
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
NJ04126500001845J3H8
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 38
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
LJG53637000019321ZP3
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 39

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SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
NJ04170200001845HR90
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 40
SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . .
LJC17150000019321QSE
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 41
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
LJC12026000001931H9G2
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 42
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ4569310000019100VLH
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 43
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
NJ0414300000184207CF
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 44
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJG423380000019321AWR
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 45
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
NJ04139200001845J512
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 46

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SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
LJB381940000029270C12
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 47
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
LJG00841000002909S1JD
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 48
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
LJG85530000002933HF49
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 49
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ469085000001910125C
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 50
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
LJD21944000002927051B
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 51
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
NJ041229000001845HYL3
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 52
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
LJG437450000019321VCF
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 53

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SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
LJF55188000001931HXCM
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 54
SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . .
NJ041424000001845HRBM
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 55
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
LJG5780000000193216WU
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 56
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJF691260000019311BAS
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Logical Drive 3 . . . . . 314566 Megabyte
Fault Tolerance . . . . . None
OS Format . . . . . Multi-Sector
Distribution
Drive geometry (Cyl, Hds, Sec) -27292, 255, 63
Array Accelerator . . . . . Disabled

Hard Drive 1
SCSI Bus . . . . . 1
SCSI ID . . . . . 0
Serial Number . . . . .
LJ4845710000019110RB3
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 2
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
LJ4371350000019110YC2
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 3
SCSI Bus . . . . . 1
SCSI ID . . . . . 2

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Serial Number . . . . .
LJ09363600002902H2PF
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 4
SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . .
NJ04014500001844HJJD
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 5
SCSI Bus . . . . . 1
SCSI ID . . . . . 4
Serial Number . . . . .
LJ04514000001903HT5K
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 6
SCSI Bus . . . . . 1
SCSI ID . . . . . 5
Serial Number . . . . .
NJ04171900001845HQD2
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 7
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
NJ04015900001845OCN6
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 8
SCSI Bus . . . . . 1
SCSI ID . . . . . 2
Serial Number . . . . .
NJ03974000001845J4Y7
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 9
SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . .
NJ04013200001845HQBE
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 10
SCSI Bus . . . . . 1
SCSI ID . . . . . 4

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Serial Number . . . . .
NJ03901100001837HHG1
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 11
SCSI Bus . . . . . 1
SCSI ID . . . . . 5
Serial Number . . . . .
LJ472244000019101QJ9
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 12
SCSI Bus . . . . . 1
SCSI ID . . . . . 6
Serial Number . . . . .
NJ03922700001845072J
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 13
SCSI Bus . . . . . 1
SCSI ID . . . . . 0
Serial Number . . . . .
LJD05902000029270C5W
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 14
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
LJ109872000019021H3Q
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 15
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
LJ44643000002910J3YY
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 16
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ4800490000191102RF
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 17
SCSI Bus . . . . . 2
SCSI ID . . . . . 2

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Serial Number . . . . .
NJ04026800001835H8KU
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 18
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
LJ449709000019100DSL
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 19
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
LJ463548000019100P36
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 20
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
NJ04140100001845J516
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 21
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ0120910000184302LX
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 22
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
LJD08246000019270VDB
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 23
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
NJ0399880000184508CU
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 24
SCSI Bus . . . . . 2
SCSI ID . . . . . 4

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Serial Number . . . . .
NJ0413260000H832057C
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 25
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
NJ041512000018450G80
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 26
SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . .
NJ04131300001845J3Q5
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 27
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
LJ10479100001901J432
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes
Reference time . . . . . 1509997804
Sectors read . . . . . *1502310218
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . *0
Sectors written . . . . . *3274037320
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . *3976409984
Seek errors . . . . . *0
Spin cycles . . . . . 16777216
Spin up time . . . . . 46080
Seek time track . . . . . 4%
Seek time third . . . . . 1%
Seek time full . . . . . 0%
Reallocated sectors . . . . 234881024
Recovers read failed . . . . 0
Bus faults . . . . . 0

Hard Drive 28
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
NJ04162700001845HRA4
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 29
SCSI Bus . . . . . 2
SCSI ID . . . . . 0

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Serial Number . . . . .
LJG1495100002932H4N1
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 30
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ457476000019100H6Q
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 31
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
LJF8265800001931J973
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 32
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
LJ48943600001911048X
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 33
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
LJF9369900001931JEL0
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 34
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
LJF9636000019310RG0
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 35
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ472654000019070WJJ
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 36
SCSI Bus . . . . . 2
SCSI ID . . . . . 2

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Serial Number . . . . .
NJ04139700001845HEJV
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 37
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
NJ04126500001845J3H8
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 38
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
LJG53637000019321ZP3
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 39
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
NJ04170200001845HR90
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 40
SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . .
LJC17150000019321QSE
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 41
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
LJC1202600001931H9G2
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 42
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ456931000019100VLH
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 43
SCSI Bus . . . . . 2
SCSI ID . . . . . 0

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Serial Number . . . . .
NJ041430000184207CF
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 44
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJG4233800019321AWR
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 45
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
NJ0413920001845J512
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 46
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
LJB38194000029270C12
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 47
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
LJG0084100002909S1JD
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 48
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
LJG8553000002933HF49
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 49
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ4690850001910125C
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 50
SCSI Bus . . . . . 2
SCSI ID . . . . . 2

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Serial Number . . . . .
LJD2194400002927051B
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 51
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
NJ04122900001845HYL3
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 52
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
LJG43745000019321VCF
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 53
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
LJF5518800001931HXCM
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 54
SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . .
NJ04142400001845HRBM
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 55
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
LJG578000000193216WU
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 56
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJF69126000019311BAS
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Drive Controller 5, Compaq Smart Array 4200
Controller
IDA Firmware Revision . . . . 0.42

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Array Accelerator Memory . . . 57344 Kbytes
Reserved for reads . . . . . 28672 Kbytes
Reserved for writes . . . . . 28672 Kbytes
Accelerator Status . . . . . Not Configured
Battery count . . . . . 3
Batteries charged . . . . . 3
Batteries failed . . . . . 0
ProLiant . . . . . Bus 1, Rev. JB43
ProLiant . . . . . Bus 2, Rev. JB43
ProLiant . . . . . Bus 3, Rev. JB43
ProLiant . . . . . Bus 4, Rev. JB43

Logical Drive 1 . . . . . 28354 Megabyte
Fault Tolerance . . . . . None
OS Format . . . . . Multi-Sector
Distribution
Drive geometry (Cyl, Hds, Sec) 6787, 255, 32
Array Accelerator . . . . . Disabled

Hard Drive 1
SCSI Bus . . . . . 1
SCSI ID . . . . . 0
Serial Number . . . . .
NL0019170000184112SK
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00411933
Initialized for Monitoring . Yes
Reference time . . . . . 59871
Sectors read . . . . . 299615974
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 187393628
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 242472
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 53
Seek time track . . . . . 0%
Seek time third . . . . . 0%
Seek time full . . . . . 0%
Reallocated sectors . . . . 132
Recovers read failed . . . . 0
Bus faults . . . . . 0

Hard Drive 2
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
NL00196300001837HG1F
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00411933
Initialized for Monitoring . Yes

Hard Drive 3
SCSI Bus . . . . . 1
SCSI ID . . . . . 2
Serial Number . . . . .
NL0013760000H2802U8
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00411933
Initialized for Monitoring . Yes

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Hard Drive 4
SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . .
NL002600000H82701RF
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00411933
Initialized for Monitoring . Yes
Reference time . . . . . 59872
Sectors read . . . . . 300530384
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 188622476
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 246224
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 53
Seek time track . . . . . 0%
Seek time third . . . . . 0%
Seek time full . . . . . 0%
Reallocated sectors . . . . 149
Recovers read failed . . . . 0
Bus faults . . . . . 0

Hard Drive 5
SCSI Bus . . . . . 1
SCSI ID . . . . . 4
Serial Number . . . . .
NL00196700001841HSV2
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00411933
Initialized for Monitoring . Yes

Hard Drive 6
SCSI Bus . . . . . 1
SCSI ID . . . . . 5
Serial Number . . . . .
NL00180000001841HGUT
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00411933
Initialized for Monitoring . Yes
Reference time . . . . . 59872
Sectors read . . . . . 293995632
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 186888846
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 256744
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 0%
Seek time third . . . . . 0%
Seek time full . . . . . 0%
Reallocated sectors . . . . 77
Recovers read failed . . . . 0
Bus faults . . . . . 0

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Hard Drive 7
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
NL0012780000H83306KD
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00411933
Initialized for Monitoring . Yes
Reference time . . . . . 59872
Sectors read . . . . . 297243776
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 187542738
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 274900
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 55
Seek time track . . . . . 0%
Seek time third . . . . . 0%
Seek time full . . . . . 0%
Reallocated sectors . . . . 564
Recovers read failed . . . . 0
Bus faults . . . . . 0

Hard Drive 8
SCSI Bus . . . . . 1
SCSI ID . . . . . 2
Serial Number . . . . .
NL00028700001837HEV0
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00411933
Initialized for Monitoring . Yes
Reference time . . . . . 59872
Sectors read . . . . . 308138240
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 191729386
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 276848
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 0%
Seek time third . . . . . 0%
Seek time full . . . . . 0%
Reallocated sectors . . . . 387
Recovers read failed . . . . 0
Bus faults . . . . . 0

Hard Drive 9
SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . .
NL00137300001835H4Y5
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00411933
Initialized for Monitoring . Yes

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Hard Drive 10
SCSI Bus . . . . . 1
SCSI ID . . . . . 4
Serial Number . . . . .
NL001902000018330PBH
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00411933
Initialized for Monitoring . Yes
Reference time . . . . . 59872
Sectors read . . . . . 301764896
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 188409450
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 249216
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 53
Seek time track . . . . . 0%
Seek time third . . . . . 0%
Seek time full . . . . . 0%
Reallocated sectors . . . . 47
Recovers read failed . . . . 0
Bus faults . . . . . 0

Hard Drive 11
SCSI Bus . . . . . 1
SCSI ID . . . . . 5
Serial Number . . . . .
NL00180500001841HMFA
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00411933
Initialized for Monitoring . Yes

Hard Drive 12
SCSI Bus . . . . . 1
SCSI ID . . . . . 6
Serial Number . . . . .
NL00188400001837HMAS
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00411933
Initialized for Monitoring . Yes
Reference time . . . . . 59872
Sectors read . . . . . 301924885
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 189202657
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 242880
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 54
Seek time track . . . . . 0%
Seek time third . . . . . 0%
Seek time full . . . . . 0%
Reallocated sectors . . . . 121
Recovers read failed . . . . 0
Bus faults . . . . . 0

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Hard Drive 13  
 SCSI Bus . . . . . 1  
 SCSI ID . . . . . 0  
 Serial Number . . . . .  
 NL00162800001842K16P  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00411933  
 Initialized for Monitoring . Yes

Hard Drive 14  
 SCSI Bus . . . . . 1  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 NL0016150000184112UW  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00411933  
 Initialized for Monitoring . Yes

Hard Drive 15  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 0  
 Serial Number . . . . .  
 LJ4676420000191012NR  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 16  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJ47267500001910167L  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 17  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 LJ4677320000191016ZS  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 18  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 3  
 Serial Number . . . . .  
 LJF98797000019182F2E  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 19  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 4  
 Serial Number . . . . .  
 LJB979820000192704WJ  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 20  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 5  
 Serial Number . . . . .  
 LJ11983600001903H31X  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 21  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJ615078000019160BCC  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 22  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 LJ11122800001902HYXH  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 23  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 3  
 Serial Number . . . . .  
 NJ04158800001845HSU7  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 24  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 4  
 Serial Number . . . . .  
 LJ44284400002910J83X  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 25  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 5  
 Serial Number . . . . .  
 LJ489691000019082965  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 26  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 6  
 Serial Number . . . . .  
 LJC11783000029310H8U  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 27  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 0  
 Serial Number . . . . .  
 LJG4865200002932H0LN  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 28  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJG54795000019321LBX  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 29  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 0  
 Serial Number . . . . .  
 NJ04174200001845JC79  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 30  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJ460988000019091YDR  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 31  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 LJ18856300001910168M  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 32  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 3  
 Serial Number . . . . .  
 LJF76495000019311JGA  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 33  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 4  
 Serial Number . . . . .  
 LJA0064700002923H52L  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 34  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 5  
 Serial Number . . . . .  
 LJG04937000029310KL8  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 35  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJ460093000019100CGF  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 36  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 LJ460130000019100MM9  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 37  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 3  
 Serial Number . . . . .  
 LJG8124200001933HLCR  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 38  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 4  
 Serial Number . . . . .  
 LJF7987900001931JF7D  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 39  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 5  
 Serial Number . . . . .  
 LJF6769000019310Y48  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 40  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 6  
 Serial Number . . . . .  
 LJ443233000019100B5N  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 41  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 0  
 Serial Number . . . . .  
 LJB8084400001926HSLC  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 42  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJ826053000019211BTV  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 43  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 0  
 Serial Number . . . . .  
 NJ041696000018450DZG  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 44  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJ10719900001902HZKS  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 45  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 LJ125254000019031B68  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 46  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 3  
 Serial Number . . . . .  
 LJ442981000019091YGM  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 47  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 4  
 Serial Number . . . . .  
 LJF8820800002931HBW1  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 48  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 5  
 Serial Number . . . . .  
 NJ04145200001845J51U  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 49  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJ46189300002909R4JM  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 50  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 LJ457271000019100BMB  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 51  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 3  
 Serial Number . . . . .  
 LJ4596240000190925KJ  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 52  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 4  
 Serial Number . . . . .  
 LJC1908800001933HTB2  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 53  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 5  
 Serial Number . . . . .  
 LJ188463000019100Y5Z  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 54  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 6  
 Serial Number . . . . .  
 LJ48969600002911H473  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

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Hard Drive 55
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
NJ0415420001845HRB2
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 56
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ10448700001902H4W2
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Logical Drive 2 . . . . . 15725 Megabyte
Fault Tolerance . . . . . None
OS Format . . . . . Multi-Sector
Distribution
Drive geometry (Cyl, Hds, Sec) 3764, 255, 32
Array Accelerator . . . . . Disabled

Hard Drive 1
SCSI Bus . . . . . 1
SCSI ID . . . . . 0
Serial Number . . . . .
NL0019170000184112SK
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00411933
Initialized for Monitoring . Yes
Reference time . . . . . 59873
Sectors read . . . . . 299615974
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 187393628
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 242648
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 53
Seek time track . . . . . 0%
Seek time third . . . . . 0%
Seek time full . . . . . 0%
Reallocated sectors . . . . 132
Recovers read failed . . . . 0
Bus faults . . . . . 0

Hard Drive 2
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
NL00196300001837HGLF
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00411933
Initialized for Monitoring . Yes

Hard Drive 3

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SCSI Bus . . . . . 1
SCSI ID . . . . . 2
Serial Number . . . . .
NL0013760000H82802U8
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00411933
Initialized for Monitoring . Yes

Hard Drive 4
SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . .
NL0026000000H82701RF
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00411933
Initialized for Monitoring . Yes
Reference time . . . . . 59873
Sectors read . . . . . 300530384
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 188622476
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 246400
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 53
Seek time track . . . . . 0%
Seek time third . . . . . 0%
Seek time full . . . . . 0%
Reallocated sectors . . . . 149
Recovers read failed . . . . 0
Bus faults . . . . . 0

Hard Drive 5
SCSI Bus . . . . . 1
SCSI ID . . . . . 4
Serial Number . . . . .
NL00196700001841HSV2
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00411933
Initialized for Monitoring . Yes

Hard Drive 6
SCSI Bus . . . . . 1
SCSI ID . . . . . 5
Serial Number . . . . .
NL00180000001841HGUT
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00411933
Initialized for Monitoring . Yes
Reference time . . . . . 59873
Sectors read . . . . . 293995632
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 186888846
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 256920
Seek errors . . . . . 0
Spin cycles . . . . . 0

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Spin up time . . . . . 0
Seek time track . . . . . 0%
Seek time third . . . . . 0%
Seek time full . . . . . 0%
Reallocated sectors . . . . 77
Recovers read failed . . . . 0
Bus faults . . . . . 0

Hard Drive 7
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
NL0012780000H83306KD
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00411933
Initialized for Monitoring . Yes
Reference time . . . . . 59873
Sectors read . . . . . 297243776
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 187542738
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 275076
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 55
Seek time track . . . . . 0%
Seek time third . . . . . 0%
Seek time full . . . . . 0%
Reallocated sectors . . . . 564
Recovers read failed . . . . 0
Bus faults . . . . . 0

Hard Drive 8
SCSI Bus . . . . . 1
SCSI ID . . . . . 2
Serial Number . . . . .
NL00028700001837HEV0
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00411933
Initialized for Monitoring . Yes
Reference time . . . . . 59873
Sectors read . . . . . 308138240
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 191729386
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 277024
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 0
Seek time track . . . . . 0%
Seek time third . . . . . 0%
Seek time full . . . . . 0%
Reallocated sectors . . . . 387
Recovers read failed . . . . 0
Bus faults . . . . . 0

Hard Drive 9

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SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . .
NL00137300001835H4V5
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00411933
Initialized for Monitoring . Yes

Hard Drive 10
SCSI Bus . . . . . 1
SCSI ID . . . . . 4
Serial Number . . . . .
NL001902000018330PBH
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00411933
Initialized for Monitoring . Yes
Reference time . . . . . 59873
Sectors read . . . . . 301764896
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 188409450
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 249392
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 53
Seek time track . . . . . 0%
Seek time third . . . . . 0%
Seek time full . . . . . 0%
Reallocated sectors . . . . 47
Recovers read failed . . . . 0
Bus faults . . . . . 0

Hard Drive 11
SCSI Bus . . . . . 1
SCSI ID . . . . . 5
Serial Number . . . . .
NL00180500001841HMFA
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00411933
Initialized for Monitoring . Yes

Hard Drive 12
SCSI Bus . . . . . 1
SCSI ID . . . . . 6
Serial Number . . . . .
NL00188400001837HMAS
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00411933
Initialized for Monitoring . Yes
Reference time . . . . . 59873
Sectors read . . . . . 301924885
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 189202657
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 243056
Seek errors . . . . . 0
Spin cycles . . . . . 0

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Spin up time . . . . . 54
Seek time track . . . . . 0%
Seek time thrd . . . . . 0%
Seek time full . . . . . 0%
Reallocated sectors . . . . 121
Recovers read failed . . . . 0
Bus faults . . . . . 0

Hard Drive 13
SCSI Bus . . . . . 1
SCSI ID . . . . . 0
Serial Number . . . . .
NL00162800001842K16P
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00411933
Initialized for Monitoring . Yes

Hard Drive 14
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
NL0016150000184112UW
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00411933
Initialized for Monitoring . Yes

Hard Drive 15
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
LJ4676420000191012NR
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 16
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ47267500001910167L
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 17
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
LJ4677320000191016ZS
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 18
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
LJF98797000019182F2E
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 19

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SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
LJB979820000192704WJ
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 20
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
LJ11983600001903H31X
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 21
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ615078000019160BCC
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 22
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
LJ11122800001902HYXH
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 23
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
NJ04158800001845HSU7
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 24
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
LJ44284400002910J83X
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 25
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
LJ489691000019082965
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 26

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SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . .
LJC11783000029310H8U
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 27
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
LJG4865200002932H0LN
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 28
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJG54795000019321LBX
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 29
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
NJ04174200001845JC79
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 30
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ460988000019091YDR
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 31
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
LJ18856300001910168M
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 32
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
LJF76495000019311JGA
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 33

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SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
LJA0064700002923H52L
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 34
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
LJG04937000029310KL8
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 35
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ460093000019100CGF
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 36
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
LJ460130000019100MM9
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 37
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
LJG8124200001933HLCR
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 38
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
LJF7987900001931JF7D
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 39
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
LJF6769000019310Y48
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 40

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SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . .
LJ443233000019100B5N
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 41
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
LJB8084400001926HSLC
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 42
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ826053000019211BTV
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 43
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
NJ041696000018450DZG
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 44
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ10719900001902HZKS
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 45
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
LJ125254000019031B68
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 46
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
LJ442981000019091YGM
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 47

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SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
LJF882080002931HBW1
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 48
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
NJ04145200001845J51U
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 49
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ46189300002909R4JM
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 50
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
LJ457271000019100BMB
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 51
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
LJ4596240000190925KJ
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 52
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
LJC1908800001933HTB2
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 53
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
LJ188463000019100Y5Z
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 54

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SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . .
LJ48969600002911H473
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 55
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
NJ04154200001845HRB2
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 56
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ10448700001902H4W2
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Drive Controller 6, Compaq Smart Array 4200
Controller
IDA Firmware Revision . . . . 0.42
Array Accelerator Memory . . . 57344 Kbytes
Reserved for reads . . . . . 28672 Kbytes
Reserved for writes . . . . . 28672 Kbytes
Accelerator Status . . . . . Not Configured
Battery count . . . . . 3
Batteries charged . . . . . 3
Batteries failed . . . . . 0
ProLiant . . . . . Bus 1, Rev. JB43
ProLiant . . . . . Bus 2, Rev. JB43
ProLiant . . . . . Bus 3, Rev. JB43
ProLiant . . . . . Bus 4, Rev. JB43

Logical Drive 1 . . . . . 28367 Megabyte
Fault Tolerance . . . . . None
OS Format . . . . . Multi-Sector
Distribution
Drive geometry (Cyl, Hds, Sec) 6790, 255, 32
Array Accelerator . . . . . Disabled

Hard Drive 1
SCSI Bus . . . . . 1
SCSI ID . . . . . 0
Serial Number . . . . .
LJD246020000192720S7
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 2
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
LJB86674000029260493
Firmware Revision 1 . . . . 3B00

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Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 3
SCSI Bus . . . . . 1
SCSI ID . . . . . 2
Serial Number . . . . .
LJB972750000192708PR
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 4
SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . .
LJD227490000292703NS
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 5
SCSI Bus . . . . . 1
SCSI ID . . . . . 4
Serial Number . . . . .
LJG751500002933H03B
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 6
SCSI Bus . . . . . 1
SCSI ID . . . . . 5
Serial Number . . . . .
NJ04152300001845HRBN
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 7
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
LJ120936000019031622
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 8
SCSI Bus . . . . . 1
SCSI ID . . . . . 2
Serial Number . . . . .
LJB401510000292703V9
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 9
SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . .
LJB8841600001926J2XE
Firmware Revision 1 . . . . 3B00

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Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 10  
 SCSI Bus . . . . . 1  
 SCSI ID . . . . . 4  
 Serial Number . . . . .  
 LJB7429900002926036N  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 11  
 SCSI Bus . . . . . 1  
 SCSI ID . . . . . 5  
 Serial Number . . . . .  
 LJ10222700001901HPJP  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 12  
 SCSI Bus . . . . . 1  
 SCSI ID . . . . . 6  
 Serial Number . . . . .  
 LJ1074950000190217FG  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 13  
 SCSI Bus . . . . . 1  
 SCSI ID . . . . . 0  
 Serial Number . . . . .  
 LJG39017000019321VLV  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 14  
 SCSI Bus . . . . . 1  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 NJ04174300001845JFEF  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 15  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 0  
 Serial Number . . . . .  
 NJ03987500001845HRB7  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 16  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJ10307700002902H2SN  
 Firmware Revision 1 . . . . 3B00

Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 17  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 NJ04169700001845HR7R  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 18  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 3  
 Serial Number . . . . .  
 LJD22155000019270WEK  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 19  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 4  
 Serial Number . . . . .  
 LJ10832500002902H60D  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 20  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 5  
 Serial Number . . . . .  
 LJ488327000019110XD1  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 21  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJB8374800002926036B  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 22  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 LJ594924000019160WSL  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 23  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 3  
 Serial Number . . . . .  
 LJ0915480000190317AT  
 Firmware Revision 1 . . . . 3B00

Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 24  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 4  
 Serial Number . . . . .  
 NJ04132100001842K5Q3  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 25  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 5  
 Serial Number . . . . .  
 LJB9007200001926J38H  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 26  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 6  
 Serial Number . . . . .  
 LJ46211200002910J9XY  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 27  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 0  
 Serial Number . . . . .  
 LJ11832200001902J1W2  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 28  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJ1234580000190314J6  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 29  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 0  
 Serial Number . . . . .  
 LJ109119000019021EKE  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 30  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJ45928500002910J1T6  
 Firmware Revision 1 . . . . 3B00

Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 31  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 LJ08510200002853H04S  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 32  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 3  
 Serial Number . . . . .  
 LJ07988200001853H9BP  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 33  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 4  
 Serial Number . . . . .  
 NJ04166700001845HEL6  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 34  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 5  
 Serial Number . . . . .  
 LJ46447100002910J5OZ  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 35  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJ10606300001902HBHO  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 36  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 LJ10294900002902H2NQ  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 37  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 3  
 Serial Number . . . . .  
 LJB55630000292604UQ  
 Firmware Revision 1 . . . . 3B00

Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 38  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 4  
 Serial Number . . . . .  
 LJ471663000019100JHA  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 39  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 5  
 Serial Number . . . . .  
 LJB5308000019270HMD  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 40  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 6  
 Serial Number . . . . .  
 LJ10837000001902HZ49  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 41  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 0  
 Serial Number . . . . .  
 NJ04179900001841HRNJ  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 42  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 NJ04014400001845HR94  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 43  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 0  
 Serial Number . . . . .  
 LJ08594500001853HJ5E  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 44  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 NJ04024100001835H8NT  
 Firmware Revision 1 . . . . 3B00

Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 45  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 LJ096355000019030240  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 46  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 3  
 Serial Number . . . . .  
 LJD264640000292702UY  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 47  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 4  
 Serial Number . . . . .  
 NJ04025100001835H46A  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 48  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 5  
 Serial Number . . . . .  
 LJ124702000019030XQ5  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 49  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJ10528300002902H1WC  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 50  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 NJ039924000018330KHS  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 51  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 3  
 Serial Number . . . . .  
 LJ050936000019021JX9  
 Firmware Revision 1 . . . . 3B00

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Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 52
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
LJ10862800001901193V
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 53
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
LJB39318000019272EFL
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 54
SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . .
NJ041388000018451JCM
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 55
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
LJD25674000019272CNY
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 56
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
NJ03997400001845HRBJ
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Logical Drive 2 . . . . . 15725 Megabyte
Fault Tolerance . . . . . None
OS Format . . . . . Multi-Sector
Distribution
Drive geometry (Cyl, Hds, Sec) 3764, 255, 32
Array Accelerator . . . . . Disabled

Hard Drive 1
SCSI Bus . . . . . 1
SCSI ID . . . . . 0
Serial Number . . . . .
LJD246020000192720S7
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

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Hard Drive 2
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
LJB86674000029260493
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 3
SCSI Bus . . . . . 1
SCSI ID . . . . . 2
Serial Number . . . . .
LJB972750000192708PR
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 4
SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . .
LJD227490000292703NS
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 5
SCSI Bus . . . . . 1
SCSI ID . . . . . 4
Serial Number . . . . .
LJG7515000002933H03B
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 6
SCSI Bus . . . . . 1
SCSI ID . . . . . 5
Serial Number . . . . .
NJ04152300001845HRBN
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 7
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
LJ120936000019031622
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 8
SCSI Bus . . . . . 1
SCSI ID . . . . . 2
Serial Number . . . . .
LJB401510000292703V9
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

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Hard Drive 9
SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . .
LJB8841600001926J2XE
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 10
SCSI Bus . . . . . 1
SCSI ID . . . . . 4
Serial Number . . . . .
LJB7429900002926036N
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 11
SCSI Bus . . . . . 1
SCSI ID . . . . . 5
Serial Number . . . . .
LJ10222700001901HPJP
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 12
SCSI Bus . . . . . 1
SCSI ID . . . . . 6
Serial Number . . . . .
LJ1074950000190217FG
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 13
SCSI Bus . . . . . 1
SCSI ID . . . . . 0
Serial Number . . . . .
LJG39017000019321VLV
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 14
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
NJ04174300001845JFEF
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 15
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
NJ03987500001845HRB7
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

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Hard Drive 16  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJ10307700002902H2SN  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 17  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 NJ04169700001845HR7R  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 18  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 3  
 Serial Number . . . . .  
 LJD22155000019270WEK  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 19  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 4  
 Serial Number . . . . .  
 LJ10832500002902H60D  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 20  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 5  
 Serial Number . . . . .  
 LJ488327000019110XD1  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 21  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJB8374800002926036B  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 22  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 LJ594924000019160WSL  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 23  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 3  
 Serial Number . . . . .  
 LJ0915480000190317AT  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 24  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 4  
 Serial Number . . . . .  
 NJ04132100001842K5Q3  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 25  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 5  
 Serial Number . . . . .  
 LJB9007200001926J38H  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 26  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 6  
 Serial Number . . . . .  
 LJ46211200002910J9XY  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 27  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 0  
 Serial Number . . . . .  
 LJ11832200001902J1W2  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 28  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJ1234580000190314J6  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 29  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 0  
 Serial Number . . . . .  
 LJ109119000019021EKE  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 30  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJ45928500002910J1T6  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 31  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 LJ08510200002853H04S  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 32  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 3  
 Serial Number . . . . .  
 LJ07988200001853H9BF  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 33  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 4  
 Serial Number . . . . .  
 NJ04166700001845HEL6  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 34  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 5  
 Serial Number . . . . .  
 LJ46447100002910J50Z  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 35  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJ10606300001902HBH0  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 36  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 LJ10294900002902H2NQ  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 37  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 3  
 Serial Number . . . . .  
 LJBS5630000292604UQ  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 38  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 4  
 Serial Number . . . . .  
 LJ471663000019100JHA  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 39  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 5  
 Serial Number . . . . .  
 LJB5308000019270HMD  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 40  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 6  
 Serial Number . . . . .  
 LJ10837000001902HZ49  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 41  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 0  
 Serial Number . . . . .  
 NJ04179900001841HRNJ  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 42  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 NJ04014400001845HR94  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 43  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 0  
 Serial Number . . . . .  
 LJ08594500001853HJ5E  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 44  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 NJ04024100001835H8NT  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 45  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 LJ096355000019030240  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 46  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 3  
 Serial Number . . . . .  
 LJD264640000292702UY  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 47  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 4  
 Serial Number . . . . .  
 NJ04025100001835H46A  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 48  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 5  
 Serial Number . . . . .  
 LJ124702000019030XQ5  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 49  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJ10528300002902H1WC  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 50  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 NJ039924000018330KHS  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 51  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 3  
 Serial Number . . . . .  
 LJ050936000019021JX9  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 52  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 4  
 Serial Number . . . . .  
 LJ10862800001901193V  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 53  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 5  
 Serial Number . . . . .  
 LJB39318000019272EFL  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 54  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 6  
 Serial Number . . . . .  
 NJ04138800001845J1CM  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 55  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 0  
 Serial Number . . . . .  
 LJD25674000019272CNY  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 56  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 NJ03997400001845HRBJ  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Logical Drive 3 . . . . . 465460 Megabyte  
 Fault Tolerance . . . . . None  
 OS Format . . . . . Multi-Sector  
 Distribution  
 Drive geometry (Cyl, Hds, Sec) -8947, 255, 63  
 Array Accelerator . . . . . Disabled

Hard Drive 1

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SCSI Bus . . . . . 1
SCSI ID . . . . . 0
Serial Number . . . . .
LJD246020000192720S7
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 2
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
LJB86674000029260493
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 3
SCSI Bus . . . . . 1
SCSI ID . . . . . 2
Serial Number . . . . .
LJB972750000192708PR
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 4
SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . .
LJD227490000292703NS
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 5
SCSI Bus . . . . . 1
SCSI ID . . . . . 4
Serial Number . . . . .
LJG7515000002933H03B
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 6
SCSI Bus . . . . . 1
SCSI ID . . . . . 5
Serial Number . . . . .
NJ04152300001845HRBN
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 7
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
LJ120936000019031622
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 8

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SCSI Bus . . . . . 1
SCSI ID . . . . . 2
Serial Number . . . . .
LJB401510000292703V9
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 9
SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . .
LJB8841600001926J2XE
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 10
SCSI Bus . . . . . 1
SCSI ID . . . . . 4
Serial Number . . . . .
LJB7429900002926036N
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 11
SCSI Bus . . . . . 1
SCSI ID . . . . . 5
Serial Number . . . . .
LJ10222700001901HPJP
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 12
SCSI Bus . . . . . 1
SCSI ID . . . . . 6
Serial Number . . . . .
LJ1074950000190217FG
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 13
SCSI Bus . . . . . 1
SCSI ID . . . . . 0
Serial Number . . . . .
LJG39017000019321V1V
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 14
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
NJ04174300001845JFFE
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 15

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SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
NJ03987500001845HRB7
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 16
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ10307700002902H2SN
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 17
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
NJ04169700001845HR7R
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 18
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
LJD22155000019270WEK
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 19
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
LJ10832500002902H60D
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 20
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
LJ488327000019110XD1
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 21
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJB8374800002926036B
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 22

```

SCSI Bus . . . . . 2  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 LJ594924000019160WSL  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 23  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 3  
 Serial Number . . . . .  
 LJ0915480000190317AT  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 24  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 4  
 Serial Number . . . . .  
 NJ04132100001842K5Q3  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 25  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 5  
 Serial Number . . . . .  
 LJB9007200001926J3BH  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 26  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 6  
 Serial Number . . . . .  
 LJ46211200002910J9XY  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 27  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 0  
 Serial Number . . . . .  
 LJ11832200001902J1W2  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 28  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJ1234580000190314J6  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 29

SCSI Bus . . . . . 2  
 SCSI ID . . . . . 0  
 Serial Number . . . . .  
 LJ109119000019021EKE  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 30  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJ45928500002910J1T6  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 31  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 LJ08510200002853H04S  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 32  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 3  
 Serial Number . . . . .  
 LJ07988200001853H9BP  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 33  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 4  
 Serial Number . . . . .  
 NJ04166700001845HEL6  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 34  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 5  
 Serial Number . . . . .  
 LJ46447100002910J50Z  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 35  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJ10606300001902HBH0  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 36

SCSI Bus . . . . . 2  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 LJ10294900002902H2NQ  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 37  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 3  
 Serial Number . . . . .  
 LJB556300000292604UQ  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 38  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 4  
 Serial Number . . . . .  
 LJ471663000019100JHA  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 39  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 5  
 Serial Number . . . . .  
 LJB53080000019270HMD  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 40  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 6  
 Serial Number . . . . .  
 LJ10837000001902HZ49  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 41  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 0  
 Serial Number . . . . .  
 NJ04179900001841HRNJ  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 42  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 NJ04014400001845HR94  
 Firmware Revision 1 . . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 43

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SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
LJ08594500001853HJ5E
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 44
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
NJ04024100001835H8NT
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 45
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
LJ096355000019030240
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 46
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
LJD264640000292702UY
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 47
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
NJ04025100001835H46A
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 48
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
LJ124702000019030XQ5
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 49
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ10528300002902H1WC
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 50

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SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
NJ039924000018330KHS
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 51
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
LJ050936000019021JX9
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 52
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
LJ10862800001901193V
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 53
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
LJB39318000019272EFL
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 54
SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . .
NJ04138800001845J1CM
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 55
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
LJD25674000019272CNY
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 56
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
NJ03997400001845HRBJ
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

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Drive Controller 7, Compaq Smart Array 4200
Controller
IDA Firmware Revision . . . . 0.42
Array Accelerator Memory . . . 57344 Kbytes
Reserved for reads . . . . . 28672 Kbytes
Reserved for writes . . . . . 28672 Kbytes
Accelerator Status . . . . . Not Configured
Battery count . . . . . 3
Batteries charged . . . . . 3
Batteries failed . . . . . 0
ProLiant . . . . . Bus 1, Rev. JB43
ProLiant . . . . . Bus 2, Rev. JB43
ProLiant . . . . . Bus 3, Rev. JB43
ProLiant . . . . . Bus 4, Rev. JB43

Logical Drive 1 . . . . . 28380 Megabyte
Fault Tolerance . . . . . None
OS Format . . . . . Multi-Sector
Distribution
Drive geometry (Cyl, Hds, Sec) 6793, 255, 32
Array Accelerator . . . . . Disabled

Hard Drive 1
SCSI Bus . . . . . 1
SCSI ID . . . . . 0
Serial Number . . . . .
LJ0654140000190311V7
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 2
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
NJ038964000018450DX5
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 3
SCSI Bus . . . . . 1
SCSI ID . . . . . 2
Serial Number . . . . .
LJD2552800001920H3XW
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 4
SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . .
LJ47054800002910J9K0
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 5
SCSI Bus . . . . . 1
SCSI ID . . . . . 4
Serial Number . . . . .
LJD176810000192728XT

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Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 6
SCSI Bus . . . . . 1
SCSI ID . . . . . 5
Serial Number . . . . .
NJ041413000018450DYP
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 7
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
NJ04125800001845J1C4
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 8
SCSI Bus . . . . . 1
SCSI ID . . . . . 2
Serial Number . . . . .
NJ04169000001845HSRR
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 9
SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . .
LJ489669000019083QR9
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 10
SCSI Bus . . . . . 1
SCSI ID . . . . . 4
Serial Number . . . . .
NJ0416750000184507MD
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 11
SCSI Bus . . . . . 1
SCSI ID . . . . . 5
Serial Number . . . . .
NJ04151400001845HSVK
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 12
SCSI Bus . . . . . 1
SCSI ID . . . . . 6
Serial Number . . . . .
NJ039946000018450COC

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Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 13
SCSI Bus . . . . . 1
SCSI ID . . . . . 0
Serial Number . . . . .
NJ04020200001844HT5Z
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 14
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
LJ105562000019030CGC
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 15
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
LJ460935000019100FFX
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 16
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ47861500002911J60W
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 17
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
NJ04021800001835HP3E
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 18
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
LJ463426000019100USQ
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 19
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
NJ0399890000184508DP

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Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 20
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
NJ04167200001845HSKV
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 21
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ4507990000191016G6
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 22
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
LJ04790100002927H0AM
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 23
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
NJ03837300001844J3RF
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 24
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
NJ041632000018450FYT
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 25
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
NJ04169300001845JC7G
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 26
SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . .
LJ263110000292702UJ

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```

Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 27
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
NJ03993600001845HR8M
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 28
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ47005400001910174Q
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 29
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
NJ03875400001845HRA0
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 30
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ461180000019100KPB
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 31
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
NJ0402390000184507EG
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 32
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
NJ04147900001845HR60
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 33
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
NJ04027100001835HLB6

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Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 34
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
LJ475268000019110X94
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 35
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
NJ04161400001845HRAC
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 36
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
NJ04114700001845HQDH
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 37
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
NJ0384930000H8330679
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 38
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
LJ102236000019011TCS
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 39
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
LJ0884130000190104RA
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 40
SCSI Bus . . . . . 2
SCSI ID . . . . . 6

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Serial Number . . . . .
NJ0399160000184508C5
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 41
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
LJD0681200001927049M
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 42
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
NJ041586000018450CWA
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 43
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
NJ0223950000H8320566
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 44
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
NJ041503000018450GA5
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 45
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
NJ041734000018450BY1
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 46
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
NJ04027600001835HD8H
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 47
SCSI Bus . . . . . 2
SCSI ID . . . . . 4

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Serial Number . . . . .
NJ04012700001835HE7B
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 48
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
LJ1051460000190303UG
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 49
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
NJ04013100001841HLHJ
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 50
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
LJ05525700001835HN8G
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 51
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
NJ04016400001841HMF6
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 52
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
NJ0402460000H83204ET
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 53
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
LJ465246000019101CVS
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 54
SCSI Bus . . . . . 2
SCSI ID . . . . . 6

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Serial Number . . . . .
NJ03998610000184508DQ
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 55
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
NJ03990900001845JKCA
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 56
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ47962800001910H7MS
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Logical Drive 2 . . . . . 15725 Megabyte
Fault Tolerance . . . . . None
OS Format . . . . . Multi-Sector
Distribution
Drive geometry (Cyl, Hds, Sec) 3764, 255, 32
Array Accelerator . . . . . Disabled

Hard Drive 1
SCSI Bus . . . . . 1
SCSI ID . . . . . 0
Serial Number . . . . .
LJ0654140000190311V7
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 2
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
NJ038964000018450DX5
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 3
SCSI Bus . . . . . 1
SCSI ID . . . . . 2
Serial Number . . . . .
LJD2552800001920H3XW
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 4
SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . .
LJ47054800002910J9K0

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Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 5
SCSI Bus . . . . . 1
SCSI ID . . . . . 4
Serial Number . . . . .
LJD176810000192728XT
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 6
SCSI Bus . . . . . 1
SCSI ID . . . . . 5
Serial Number . . . . .
NJ041413000018450DYP
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 7
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
NJ04125800001845J1C4
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 8
SCSI Bus . . . . . 1
SCSI ID . . . . . 2
Serial Number . . . . .
NJ04169000001845HSRR
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 9
SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . .
LJ489669000019083QR9
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 10
SCSI Bus . . . . . 1
SCSI ID . . . . . 4
Serial Number . . . . .
NJ0416750000184507MD
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 11
SCSI Bus . . . . . 1
SCSI ID . . . . . 5
Serial Number . . . . .
NJ04151400001845HSVK

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Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 12
SCSI Bus . . . . . 1
SCSI ID . . . . . 6
Serial Number . . . . .
NJ039946000018450COC
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 13
SCSI Bus . . . . . 1
SCSI ID . . . . . 0
Serial Number . . . . .
NJ04020200001844HT5Z
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 14
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
LJ105562000019030CGC
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 15
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
LJ460935000019100FFX
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 16
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ47861500002911J6OW
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 17
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
NJ04021800001835HP3E
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 18
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
LJ463426000019100USQ

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Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 19
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
NJ0399890000184508DP
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 20
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
NJ04167200001845HSKV
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 21
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ4507990000191016G6
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 22
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
LJD0790100002927H0AM
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 23
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
NJ03837300001844J3RF
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 24
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
NJ041632000018450FYT
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 25
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
NJ04169300001845JC7G

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Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 26
SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . .
LJD263110000292702UJ
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 27
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
NJ03993600001845HR8M
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 28
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ47005400001910174Q
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 29
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
NJ03875400001845HRAO
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 30
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ461180000019100KPB
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 31
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
NJ0402390000184507EG
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 32
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
NJ04147900001845HR6O

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Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 33
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
NJ04027100001835HLB6
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 34
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
LJ47526800019110X94
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 35
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
NJ04161400001845HRAC
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 36
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
NJ04114700001845HQDH
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 37
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
NJ0384930000H8330679
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 38
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
LJ10223600001901ITCS
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 39
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
LJ0884130000190104RA

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Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 40
SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . .
NJ0399160000184508C5
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 41
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
LJD0681200001927049M
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 42
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
NJ041586000018450CWA
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 43
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
NJ0223950000H8320566
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 44
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
NJ041503000018450GA5
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 45
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
NJ041734000018450BY1
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 46
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
NJ04027600001835HDBH

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Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 47
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
NJ04012700001835HE7B
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 48
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
LJ1051460000190303UG
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 49
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
NJ04013100001841HLHJ
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 50
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
LJ05525700001835HN8G
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 51
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
NJ04016400001841HMP6
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 52
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
NJ0402460000H83204ET
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 53
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
LJ465246000019101CVS

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Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 54
SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . .
NJ0398610000184508DQ
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 55
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
NJ03990900001845JKCA
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 56
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ47962800001910H7MS
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Logical Drive 3 . . . . . 419423 Megabyte
Fault Tolerance . . . . . None
OS Format . . . . . Multi-Sector
Distribution
Drive geometry (Cyl, Hds, Sec) -14544, 255, 63
Array Accelerator . . . . . Disabled

Hard Drive 1
SCSI Bus . . . . . 1
SCSI ID . . . . . 0
Serial Number . . . . .
LJ0654140000190311V7
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 2
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
NJ038964000018450DX5
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 3
SCSI Bus . . . . . 1
SCSI ID . . . . . 2
Serial Number . . . . .
LJD2552800001920H3XW
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934

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Initialized for Monitoring . Yes

Hard Drive 4
SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . .
LJ47054800002910J9K0
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 5
SCSI Bus . . . . . 1
SCSI ID . . . . . 4
Serial Number . . . . .
LJD176810000192728XT
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 6
SCSI Bus . . . . . 1
SCSI ID . . . . . 5
Serial Number . . . . .
NJ041413000018450DYP
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 7
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
NJ04125800001845J1C4
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 8
SCSI Bus . . . . . 1
SCSI ID . . . . . 2
Serial Number . . . . .
NJ04169000001845HSRR
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 9
SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . .
LJ489669000019083QR9
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 10
SCSI Bus . . . . . 1
SCSI ID . . . . . 4
Serial Number . . . . .
NJ0416750000184507MD
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934

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Initialized for Monitoring . Yes

Hard Drive 11
SCSI Bus . . . . . 1
SCSI ID . . . . . 5
Serial Number . . . . .
NJ04151400001845HSVK
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 12
SCSI Bus . . . . . 1
SCSI ID . . . . . 6
Serial Number . . . . .
NJ039946000018450COC
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 13
SCSI Bus . . . . . 1
SCSI ID . . . . . 0
Serial Number . . . . .
NJ04020200001844HT5Z
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 14
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
LJ105562000019030CGC
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 15
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
LJ460935000019100FFX
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 16
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ47861500002911J60W
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 17
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
NJ04021800001835HP3E
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934

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Initialized for Monitoring . Yes

Hard Drive 18
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
LJ463426000019100USQ
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 19
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
NJ0399890000184508DF
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 20
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
NJ04167200001845HSKV
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 21
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ4507990000191016G6
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 22
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
LJD0790100002927H0AM
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 23
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
NJ03837300001844J3RF
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 24
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
NJ041632000018450FYT
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934

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Initialized for Monitoring . Yes

Hard Drive 25
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
NJ04169300001845JC7G
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 26
SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . .
LJD263110000292702UJ
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 27
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
NJ03993600001845HRM
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 28
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ47005400001910174Q
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 29
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
NJ03875400001845HRA0
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 30
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ461180000019100KPB
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 31
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
NJ0402390000184507EG
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934

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Initialized for Monitoring . Yes

Hard Drive 32
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
NJ04147900001845HR60
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 33
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
NJ04027100001835HLB6
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 34
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
LJ475268000019110X94
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 35
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
NJ04161400001845HRAQ
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 36
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
NJ04114700001845HQDH
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 37
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
NJ0384930000H8330679
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 38
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
LJ102236000019011TCS
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934

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Initialized for Monitoring . Yes

Hard Drive 39
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
LJ0884130000190104RA
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 40
SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . .
NJ0399160000184508C5
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 41
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
LJD0681200001927049M
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 42
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
NJ041586000018450CWA
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 43
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
NJ0223950000H8320566
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 44
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
NJ041503000018450GA5
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 45
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
NJ041734000018450BY1
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934

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Initialized for Monitoring . Yes

Hard Drive 46
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
NJ04027600001835HDPH
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 47
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
NJ04012700001835HE7B
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 48
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
LJ1051460000190303UG
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 49
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
NJ04013100001841HLHJ
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 50
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
LJ05525700001835HN8G
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 51
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
NJ04016400001841HMP6
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 52
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
NJ0402460000H83204ET
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934

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Initialized for Monitoring . Yes

Hard Drive 53
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
LJ465246000019101CVS
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 54
SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . .
NJ0398610000184508DQ
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 55
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
NJ03990900001845JKCA
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 56
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ47962800001910H7MS
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Drive Controller 8, Compaq Smart Array 4200
Controller
IDA Firmware Revision . . . . 0.42
Array Accelerator Memory . . . . 57344 Kbytes
Reserved for reads . . . . . 28672 Kbytes
Reserved for writes . . . . . 28672 Kbytes
Accelerator Status . . . . . Not Configured
Battery count . . . . . 3
Batteries charged . . . . . 3
Batteries failed . . . . . 0
ProLiant . . . . . Bus 1, Rev. JB43
ProLiant . . . . . Bus 2, Rev. JB43
ProLiant . . . . . Bus 3, Rev. JB43
ProLiant . . . . . Bus 4, Rev. JB43

Logical Drive 1 . . . . . 28392 Megabyte
Fault Tolerance . . . . . None
OS Format . . . . . Multi-Sector
Distribution
Drive geometry (Cyl, Hds, Sec) 6796, 255, 32
Array Accelerator . . . . . Disabled

Hard Drive 1
SCSI Bus . . . . . 1
SCSI ID . . . . . 0

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Serial Number . . . . .
LJ470476000019100YX4
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 2
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
NJ0402080000H82801T4
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 3
SCSI Bus . . . . . 1
SCSI ID . . . . . 2
Serial Number . . . . .
NJ04173000001845JERE
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 4
SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . .
LJ482671000019110546
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 5
SCSI Bus . . . . . 1
SCSI ID . . . . . 4
Serial Number . . . . .
LJ46215300002910JBTV
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 6
SCSI Bus . . . . . 1
SCSI ID . . . . . 5
Serial Number . . . . .
LJ12253000001903169D
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 7
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
NJ0416420000184508HG
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 8
SCSI Bus . . . . . 1
SCSI ID . . . . . 2

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Serial Number . . . . .
NJ03982200001835H7WN
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 9
SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . .
LJ107431000019021047
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 10
SCSI Bus . . . . . 1
SCSI ID . . . . . 4
Serial Number . . . . .
LJ069825000019010ML0
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 11
SCSI Bus . . . . . 1
SCSI ID . . . . . 5
Serial Number . . . . .
NJ0385140000184508E9
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 12
SCSI Bus . . . . . 1
SCSI ID . . . . . 6
Serial Number . . . . .
NJ039933000018450BYE
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 13
SCSI Bus . . . . . 1
SCSI ID . . . . . 0
Serial Number . . . . .
LJ44349900002910J9FL
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 14
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
NJ03845500001845JFJ0
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 15
SCSI Bus . . . . . 2
SCSI ID . . . . . 0

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Serial Number . . . . .
NJ04042500001845JFHT
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 16
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
NJ03862300001845HR8V
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 17
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
NJ04152800001845HRA2
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 18
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
NJ04172700001845JFKR
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 19
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
NJ03930000001837HNLM
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 20
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
LJ4686700000191016DM
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 21
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ10276700002902H3AJ
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 22
SCSI Bus . . . . . 2
SCSI ID . . . . . 2

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Serial Number . . . . .
NJ0402700001845JFEL
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 23
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
NJ0384100001835H805
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 24
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
NJ03997600001845HQSM
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 25
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
NJ04020700001835HDMV
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 26
SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . .
LJ099680000019020EVA
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 27
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
NJ04172800001841HMTF
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 28
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
NJ04164100001845HSW9
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 29
SCSI Bus . . . . . 2
SCSI ID . . . . . 0

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Serial Number . . . . .
LJ08425200002853HOMG
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 30
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ07689200001853OMP4
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 31
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
LJ08571300002853H4V7
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 32
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
LJD32260000019271HBP
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 33
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
NJ03839300001837HG2E
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 34
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
NJ04113300001835H4XS
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 35
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
NJ03999100001842K10J
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 36
SCSI Bus . . . . . 2
SCSI ID . . . . . 2

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Serial Number . . . . .
LJ49129400002911J2KL
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 37
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
NJ04027500001835HM70
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 38
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
NJ04023600001835HMP2
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 39
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
NJ04165800001844HLRA
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 40
SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . .
NJ04131700001845OCSE
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 41
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
NJ03903400001835HNVF
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 42
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJD11898000019201ZV0
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 43
SCSI Bus . . . . . 2
SCSI ID . . . . . 0

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Serial Number . . . . .
NJ0400100000184508FW
  Firmware Revision 1 . . . . 3B00
  Model Number . . . . . COMPAQ BD00911934
  Initialized for Monitoring . Yes

  Hard Drive 44
  SCSI Bus . . . . . 2
  SCSI ID . . . . . 1
  Serial Number . . . . .
LJ467308000019101EPQ
  Firmware Revision 1 . . . . 3B00
  Model Number . . . . . COMPAQ BD00911934
  Initialized for Monitoring . Yes

  Hard Drive 45
  SCSI Bus . . . . . 2
  SCSI ID . . . . . 2
  Serial Number . . . . .
NJ04041500001845JD2U
  Firmware Revision 1 . . . . 3B00
  Model Number . . . . . COMPAQ BD00911934
  Initialized for Monitoring . Yes

  Hard Drive 46
  SCSI Bus . . . . . 2
  SCSI ID . . . . . 3
  Serial Number . . . . .
NJ04023800001835HJNN
  Firmware Revision 1 . . . . 3B00
  Model Number . . . . . COMPAQ BD00911934
  Initialized for Monitoring . Yes

  Hard Drive 47
  SCSI Bus . . . . . 2
  SCSI ID . . . . . 4
  Serial Number . . . . .
NJ03842800001845HQSN
  Firmware Revision 1 . . . . 3B00
  Model Number . . . . . COMPAQ BD00911934
  Initialized for Monitoring . Yes

  Hard Drive 48
  SCSI Bus . . . . . 2
  SCSI ID . . . . . 5
  Serial Number . . . . .
LJ4678540000191016MS
  Firmware Revision 1 . . . . 3B00
  Model Number . . . . . COMPAQ BD00911934
  Initialized for Monitoring . Yes

  Hard Drive 49
  SCSI Bus . . . . . 2
  SCSI ID . . . . . 1
  Serial Number . . . . .
NJ04133800001845J3AA
  Firmware Revision 1 . . . . 3B00
  Model Number . . . . . COMPAQ BD00911934
  Initialized for Monitoring . Yes

  Hard Drive 50
  SCSI Bus . . . . . 2
  SCSI ID . . . . . 2

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Serial Number . . . . .
NJ04025400H824174118
  Firmware Revision 1 . . . . 3B00
  Model Number . . . . . COMPAQ BD00911934
  Initialized for Monitoring . Yes

  Hard Drive 51
  SCSI Bus . . . . . 2
  SCSI ID . . . . . 3
  Serial Number . . . . .
NJ03944500001844J1YR
  Firmware Revision 1 . . . . 3B00
  Model Number . . . . . COMPAQ BD00911934
  Initialized for Monitoring . Yes

  Hard Drive 52
  SCSI Bus . . . . . 2
  SCSI ID . . . . . 4
  Serial Number . . . . .
NJ04044800001845JKCC
  Firmware Revision 1 . . . . 3B00
  Model Number . . . . . COMPAQ BD00911934
  Initialized for Monitoring . Yes

  Hard Drive 53
  SCSI Bus . . . . . 2
  SCSI ID . . . . . 5
  Serial Number . . . . .
LJ47956500002911H3ZF
  Firmware Revision 1 . . . . 3B00
  Model Number . . . . . COMPAQ BD00911934
  Initialized for Monitoring . Yes

  Hard Drive 54
  SCSI Bus . . . . . 2
  SCSI ID . . . . . 6
  Serial Number . . . . .
LJ01188000001843HCPY
  Firmware Revision 1 . . . . 3B00
  Model Number . . . . . COMPAQ BD00911934
  Initialized for Monitoring . Yes

  Hard Drive 55
  SCSI Bus . . . . . 2
  SCSI ID . . . . . 0
  Serial Number . . . . .
NJ04158300001835H6XT
  Firmware Revision 1 . . . . 3B00
  Model Number . . . . . COMPAQ BD00911934
  Initialized for Monitoring . Yes

  Hard Drive 56
  SCSI Bus . . . . . 2
  SCSI ID . . . . . 1
  Serial Number . . . . .
NJ0417380000H8270173
  Firmware Revision 1 . . . . 3B00
  Model Number . . . . . COMPAQ BD00911934
  Initialized for Monitoring . Yes
  Reference time . . . . . 485489
  Sectors read . . . . . 2235278939
  Hard read errors . . . . . 0
  Read errors retry . . . . . 0

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ECC read errors . . . . . 0
Sectors written . . . . . 1924657392
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 1906537
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 176
Seek time track . . . . . 33%
Seek time third . . . . . 70%
Seek time full . . . . . 71%
Reallocated sectors . . . . 705
Recovers read failed . . . . 0
Bus faults . . . . . 0

Logical Drive 2 . . . . . 15725 Megabyte
Fault Tolerance . . . . . None
OS Format . . . . . Multi-Sector
Distribution
  Drive geometry (Cyl, Hds, Sec) 3764, 255, 32
  Array Accelerator . . . . . Disabled

  Hard Drive 1
  SCSI Bus . . . . . 1
  SCSI ID . . . . . 0
  Serial Number . . . . .
LJ470476000019100YX4
  Firmware Revision 1 . . . . 3B00
  Model Number . . . . . COMPAQ BD00911934
  Initialized for Monitoring . Yes

  Hard Drive 2
  SCSI Bus . . . . . 1
  SCSI ID . . . . . 1
  Serial Number . . . . .
NJ0402080000H82801T4
  Firmware Revision 1 . . . . 3B00
  Model Number . . . . . COMPAQ BD00911934
  Initialized for Monitoring . Yes

  Hard Drive 3
  SCSI Bus . . . . . 1
  SCSI ID . . . . . 2
  Serial Number . . . . .
NJ04173000001845JERE
  Firmware Revision 1 . . . . 3B00
  Model Number . . . . . COMPAQ BD00911934
  Initialized for Monitoring . Yes

  Hard Drive 4
  SCSI Bus . . . . . 1
  SCSI ID . . . . . 3
  Serial Number . . . . .
LJ482671000019110546
  Firmware Revision 1 . . . . 3B00
  Model Number . . . . . COMPAQ BD00911934
  Initialized for Monitoring . Yes

  Hard Drive 5
  SCSI Bus . . . . . 1
  SCSI ID . . . . . 4
  Serial Number . . . . .
LJ46215300002910JBTV

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Firmware Revision 1 . . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 6
SCSI Bus . . . . . 1
SCSI ID . . . . . 5
Serial Number . . . . .
LJ1225300001903169D
Firmware Revision 1 . . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 7
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
NJ041642000184508HG
Firmware Revision 1 . . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 8
SCSI Bus . . . . . 1
SCSI ID . . . . . 2
Serial Number . . . . .
NJ0398220001835H7WN
Firmware Revision 1 . . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 9
SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . .
LJ10743100019021047
Firmware Revision 1 . . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 10
SCSI Bus . . . . . 1
SCSI ID . . . . . 4
Serial Number . . . . .
LJ06982500019010ML0
Firmware Revision 1 . . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 11
SCSI Bus . . . . . 1
SCSI ID . . . . . 5
Serial Number . . . . .
NJ038514000184508E9
Firmware Revision 1 . . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 12
SCSI Bus . . . . . 1
SCSI ID . . . . . 6
Serial Number . . . . .
NJ03993300018450BYE

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Firmware Revision 1 . . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 13
SCSI Bus . . . . . 1
SCSI ID . . . . . 0
Serial Number . . . . .
LJ4434990002910J9FL
Firmware Revision 1 . . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 14
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
NJ0384550001845JFJ0
Firmware Revision 1 . . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 15
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
NJ0404250001845JFHT
Firmware Revision 1 . . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 16
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
NJ0386230001845HR8V
Firmware Revision 1 . . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 17
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
NJ0415280001845HRA2
Firmware Revision 1 . . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 18
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
NJ0417270001845JFKR
Firmware Revision 1 . . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 19
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
NJ0393000001837HNLN

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Firmware Revision 1 . . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 20
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
LJ468670000191016DM
Firmware Revision 1 . . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 21
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ1027670002902H3AJ
Firmware Revision 1 . . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 22
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
NJ0402700001845JFEL
Firmware Revision 1 . . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 23
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
NJ0384100001835H805
Firmware Revision 1 . . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 24
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
NJ0399760001845HQSM
Firmware Revision 1 . . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 25
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
NJ0402070001835HDMV
Firmware Revision 1 . . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 26
SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . .
LJ09968000019020EVA

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Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 27
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
NJ04172800001841HMTP
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 28
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
NJ04164100001845HSW9
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 29
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
LJ08425200002853HOMG
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 30
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ076892000018530MP4
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 31
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
LJ08571300002853H4V7
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 32
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
LJD32260000019271HBP
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 33
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
NJ03839300001837HG2E

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Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 34
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
NJ04113300001835H4XS
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 35
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
NJ03999100001842K10J
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 36
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
LJ49129400002911J2KL
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 37
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
NJ04027500001835HM70
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 38
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
NJ04023600001835HMP2
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 39
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
NJ04165800001844HLRA
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 40
SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . .
NJ041317000018450CSE

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Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 41
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
NJ03903400001835HNVF
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 42
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJD11898000019201ZV0
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 43
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
NJ0400100000184508FW
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 44
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ467308000019101EPQ
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 45
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
NJ04041500001845JD2U
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 46
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
NJ04023800001835HJNN
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 47
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
NJ03842800001845HQSN

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Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 48
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
LJ4678540000191016MS
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 49
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
NJ04133800001845J3AA
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 50
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
NJ04025400H824174118
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 51
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
NJ03944500001844J1YR
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 52
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
NJ04044800001845JKCC
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 53
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
LJ4795650000291H3ZF
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 54
SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . .
LJ01188000001843HCPY

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Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 55
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
NJ04158300001835H6XT
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 56
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
NJ0417380000H8270173
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes
Reference time . . . . . 485491
Sectors read . . . . . 2235278939
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 1924657392
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 1906713
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 176
Seek time track . . . . . 33%
Seek time third . . . . . 70%
Seek time full . . . . . 71%
Reallocated sectors . . . . 705
Recovers read failed . . . . 0
Bus faults . . . . . 0

Logical Drive 3 . . . . . 314566 Megabyte
Fault Tolerance . . . . . None
OS Format . . . . . Multi-Sector
Distribution
Drive geometry (Cyl, Hds, Sec) -27292, 255, 63
Array Accelerator . . . . . Disabled

Hard Drive 1
SCSI Bus . . . . . 1
SCSI ID . . . . . 0
Serial Number . . . . .
LJ470476000019100YX4
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 2
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
NJ0402080000H82801T4
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934

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Initialized for Monitoring . Yes

Hard Drive 3
SCSI Bus . . . . . 1
SCSI ID . . . . . 2
Serial Number . . . . .
NJ04173000001845JERE
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 4
SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . .
LJ482671000019110546
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 5
SCSI Bus . . . . . 1
SCSI ID . . . . . 4
Serial Number . . . . .
LJ46215300002910JBTV
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 6
SCSI Bus . . . . . 1
SCSI ID . . . . . 5
Serial Number . . . . .
LJ12253000001903169D
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 7
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
NJ0416420000184508HG
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 8
SCSI Bus . . . . . 1
SCSI ID . . . . . 2
Serial Number . . . . .
NJ03982200001835H7WN
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 9
SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . .
LJ107431000019021047
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934

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Initialized for Monitoring . Yes

Hard Drive 10
SCSI Bus . . . . . 1
SCSI ID . . . . . 4
Serial Number . . . . .
LJ069825000019010ML0
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 11
SCSI Bus . . . . . 1
SCSI ID . . . . . 5
Serial Number . . . . .
NJ0385140000184508E9
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 12
SCSI Bus . . . . . 1
SCSI ID . . . . . 6
Serial Number . . . . .
NJ0399330000184508E9
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 13
SCSI Bus . . . . . 1
SCSI ID . . . . . 0
Serial Number . . . . .
LJ44349900002910J9FL
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 14
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
NJ03845500001845JFJ0
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 15
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
NJ04042500001845JFHT
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 16
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
NJ03862300001845HR8V
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934

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Initialized for Monitoring . Yes

Hard Drive 17
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
NJ04152800001845HRA2
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 18
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
NJ04172700001845JFKR
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 19
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
NJ03930000001837HNLN
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 20
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
LJ4686700000191016DM
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 21
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ10276700002902H3AJ
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 22
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
NJ04027000001845JFEL
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 23
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
NJ03841000001835H805
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934

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Initialized for Monitoring . Yes

Hard Drive 24
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
NJ03997600001845HQSM
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 25
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
NJ04020700001835HDMV
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 26
SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . .
LJ099680000019020EVA
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 27
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
NJ04172800001841HMTF
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 28
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
NJ04164100001845HSW9
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 29
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
LJ08425200002853H0MG
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 30
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ076892000018530MF4
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934

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Initialized for Monitoring . Yes

Hard Drive 31
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
LJ08571300002853H4V7
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 32
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
LJD3226000019271HBP
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 33
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
NJ03839300001837HG2E
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 34
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
NJ04113300001835H4XS
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 35
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
NJ03999100001842K10J
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 36
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
LJ49129400002911J2KL
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 37
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
NJ04027500001835HM70
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934

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Initialized for Monitoring . Yes

Hard Drive 38
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
NJ04023600001835HMP2
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 39
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
NJ04165800001844HLRA
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 40
SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . .
NJ04131700001845OCSE
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 41
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
NJ03903400001835HNVF
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 42
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJD11898000019201ZV0
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 43
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
NJ0400100000184508FW
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 44
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ467308000019101EPQ
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934

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Initialized for Monitoring . Yes

Hard Drive 45
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
NJ04041500001845JD2U
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 46
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
NJ04023800001835HJNN
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 47
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
NJ03842800001845HQSN
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 48
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
LJ4678540000191016MS
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 49
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
NJ04133800001845J3AA
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 50
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
NJ04025400H824174118
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 51
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
NJ03944500001844J1YR
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934

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Initialized for Monitoring . Yes

Hard Drive 52
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
NJ04044800001845JKCC
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 53
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
LJ47956500002911H3ZF
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 54
SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . .
LJ01188000001843HCPY
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 55
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
NJ04158300001835H6XT
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 56
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
NJ0417380000H8270173
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes
Reference time . . . . . 485492
Sectors read . . . . . 2235278939
Hard read errors . . . . . 0
Read errors retry . . . . . 0
ECC read errors . . . . . 0
Sectors written . . . . . 1924657392
Hard write errors . . . . . 0
Write errors retry . . . . . 0
Seek count . . . . . 1906889
Seek errors . . . . . 0
Spin cycles . . . . . 0
Spin up time . . . . . 176
Seek time track . . . . . 33%
Seek time third . . . . . 70%
Seek time full . . . . . 71%
Reallocated sectors . . . . 705
Recovers read failed . . . . 0

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Bus faults . . . . . 0

Drive Controller 9, Compaq Smart Array 4200
Controller
IDA Firmware Revision . . . . 0.42
Array Accelerator Memory . . . 57344 Kbytes
Reserved for reads . . . . . 28672 Kbytes
Reserved for writes . . . . . 28672 Kbytes
Accelerator Status . . . . . Not Configured
Battery count . . . . . 3
Batteries charged . . . . . 3
Batteries failed . . . . . 0
ProLiant . . . . . Bus 1, Rev. JB43
ProLiant . . . . . Bus 2, Rev. JB43
ProLiant . . . . . Bus 3, Rev. JB43
ProLiant . . . . . Bus 4, Rev. JB43

Logical Drive 1 . . . . . 28413 Megabyte
Fault Tolerance . . . . . None
OS Format . . . . . Multi-Sector
Distribution
Drive geometry (Cyl, Hds, Sec) 6801, 255, 32
Array Accelerator . . . . . Disabled

Hard Drive 1
SCSI Bus . . . . . 1
SCSI ID . . . . . 0
Serial Number . . . . .
LJ106288000019030XUT
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 2
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
LJG57396000029320S23
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 3
SCSI Bus . . . . . 1
SCSI ID . . . . . 2
Serial Number . . . . .
LJ0631770000185319RU
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 4
SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . .
LJ073117000019011A5B
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 5
SCSI Bus . . . . . 1
SCSI ID . . . . . 4

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Serial Number . . . . .
LJ0832350000185313SL
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 6
SCSI Bus . . . . . 1
SCSI ID . . . . . 5
Serial Number . . . . .
LJ1189080000190309JT
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 7
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
LJF83245000019311JU2
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 8
SCSI Bus . . . . . 1
SCSI ID . . . . . 2
Serial Number . . . . .
LJ101351000019020NF5
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 9
SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . .
LJ087819000019010ZTL
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 10
SCSI Bus . . . . . 1
SCSI ID . . . . . 4
Serial Number . . . . .
LJ06281200001902J2HR
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 11
SCSI Bus . . . . . 1
SCSI ID . . . . . 5
Serial Number . . . . .
LJ109924000019021FM6
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 12
SCSI Bus . . . . . 1
SCSI ID . . . . . 6

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Serial Number . . . . .
LJ4783240000191103BN
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 13
SCSI Bus . . . . . 1
SCSI ID . . . . . 0
Serial Number . . . . .
LJF8098400001931HLSZ
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 14
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
LJC1367100001931JF0J
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 15
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
LJ08019900001853135F
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 16
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ0908840000185314P0
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 17
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
NJ04163300001845HRAD
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 18
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
LJ10803800002902H626
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 19
SCSI Bus . . . . . 2
SCSI ID . . . . . 4

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Serial Number . . . . .
NJ04162400001845HQG5
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 20
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
LJ48478900002911J33E
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 21
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ46211100001909256F
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 22
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
LJB9002900002923H9XJ
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 23
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
LJB93405000019262KTY
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 24
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
LJ4701120000191103KB
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 25
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
NJ03856900001838HQMD
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 26
SCSI Bus . . . . . 2
SCSI ID . . . . . 6

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Serial Number . . . . .
LJ46451300002910J8YH
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 27
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
LJ067618000018531C09
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 28
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJD05576000019270BSP
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 29
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
LJ188412000019100UNM
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 30
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ094170000019020LUW
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 31
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
LJ08385100002853H453
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 32
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
LJ456968000019100F9J
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 33
SCSI Bus . . . . . 2
SCSI ID . . . . . 4

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Serial Number . . . . .
LJ12887800001904036S
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 34
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
NJ04026500001835HNN2
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 35
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ107331000019030HCF
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 36
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
LJ10890400002902H7FH
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 37
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
LJ076684000019011N3C
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 38
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
NJ04159800001845JC7F
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 39
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
LJ133627000019031X9K
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 40
SCSI Bus . . . . . 2
SCSI ID . . . . . 6

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Serial Number . . . . .
LJG03579000019311CEA
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 41
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
NJ04020900001838HQNK
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 42
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJB7789100001926HBSL
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 43
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
NJ041314000018450G83
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 44
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ463761000019100K4T
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 45
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
LJ42225600002910J6CG
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 46
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
LJB394690000192716XB
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 47
SCSI Bus . . . . . 2
SCSI ID . . . . . 4

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Serial Number . . . . .
NJ04161500001845HSXP
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 48
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
NJ0400690000H83305JA
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 49
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ488663000019101N7B
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 50
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
LJ11069500001902H6QC
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 51
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
NJ04024300001835H3GZ
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 52
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
LJ10841800001902HRVM
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 53
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
NJ04021000001845JFLV
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 54
SCSI Bus . . . . . 2
SCSI ID . . . . . 6

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Serial Number . . . . .
LJ091922000018530QNM
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 55
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
LJ1056900000190124B8
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 56
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
NJ041390000018450CVL
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Logical Drive 2 . . . . . 15725 Megabyte
Fault Tolerance . . . . . None
OS Format . . . . . Multi-Sector
Distribution
Drive geometry (Cyl, Hds, Sec) 3764, 255, 32
Array Accelerator . . . . . Disabled

Hard Drive 1
SCSI Bus . . . . . 1
SCSI ID . . . . . 0
Serial Number . . . . .
LJ106288000019030XUT
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 2
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
LJG57396000029320S23
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 3
SCSI Bus . . . . . 1
SCSI ID . . . . . 2
Serial Number . . . . .
LJ0631770000185319RU
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 4
SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . .
LJ073117000019011A5B

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Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 5
SCSI Bus . . . . . 1
SCSI ID . . . . . 4
Serial Number . . . . .
LJ0832350000185313SL
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 6
SCSI Bus . . . . . 1
SCSI ID . . . . . 5
Serial Number . . . . .
LJ1189080000190309JT
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 7
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
LJF83245000019311JU2
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 8
SCSI Bus . . . . . 1
SCSI ID . . . . . 2
Serial Number . . . . .
LJ101351000019020NF5
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 9
SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . .
LJ087819000019010ZTL
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 10
SCSI Bus . . . . . 1
SCSI ID . . . . . 4
Serial Number . . . . .
LJ06281200001902J2HR
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 11
SCSI Bus . . . . . 1
SCSI ID . . . . . 5
Serial Number . . . . .
LJ109924000019021FM6

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Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 12
SCSI Bus . . . . . 1
SCSI ID . . . . . 6
Serial Number . . . . .
LJ4783240000191103BN
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 13
SCSI Bus . . . . . 1
SCSI ID . . . . . 0
Serial Number . . . . .
LJF8098400001931HL5Z
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 14
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
LJC1367100001931JF0J
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 15
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
LJ08019900001853135F
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 16
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ0908840000185314P0
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 17
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
NJ04163300001845HRAD
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 18
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
LJ10803800002902H626

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Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 19
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
NJ04162400001845HGG5
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 20
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
LJ48478900002911J33E
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 21
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ46211100001909256F
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 22
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
LJB9002900002923H9XJ
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 23
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
LJB93405000019262KTY
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 24
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
LJ4701120000191103KB
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 25
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
NJ03856900001838HQMD

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Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 26
SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . .
LJ46451300002910J8YH
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 27
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
LJ067618000018531C09
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 28
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJD05576000019270BSP
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 29
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
LJ188412000019100UNM
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 30
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ094170000019020LUW
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 31
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
LJ08385100002853H453
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 32
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
LJ456968000019100F9J

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Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 33
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
LJ12887800001904036S
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 34
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
NJ04026500001835HNN2
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 35
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ107331000019030HCF
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 36
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
LJ10890400002902H7FH
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 37
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
LJ076684000019011N3C
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 38
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
NJ04159800001845JC7F
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 39
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
LJ133627000019031X9K

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Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 40
SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . .
LJG03579000019311CEA
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 41
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
NJ04020900001838HQNK
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 42
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJB7789100001926HBSL
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 43
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
NJ041314000018450G83
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 44
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ463761000019100K4T
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 45
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
LJ42225600002910J6CG
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 46
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
LJB394690000192716XB

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Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 47
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
NJ04161500001845HSXP
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 48
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
NJ0400690000H83305JA
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 49
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ488663000019101N7B
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 50
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
LJ11069500001902H6QC
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 51
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
NJ04024300001835H3GZ
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 52
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
LJ10841800001902HRVM
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 53
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
NJ04021000001845JFLV

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Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 54
SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . .
LJ091922000018530QNM
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 55
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
LJ1056900000190124B8
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 56
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
NJ041390000018450CVL
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Logical Drive 3 . . . . . 419423 Megabyte
Fault Tolerance . . . . . None
OS Format . . . . . Multi-Sector
Distribution
Drive geometry (Cyl, Hds, Sec) -14544, 255, 63
Array Accelerator . . . . . Disabled

Hard Drive 1
SCSI Bus . . . . . 1
SCSI ID . . . . . 0
Serial Number . . . . .
LJ106288000019030XUT
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 2
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
LJG57396000029320S23
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 3
SCSI Bus . . . . . 1
SCSI ID . . . . . 2
Serial Number . . . . .
LJ0631770000185319RU
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934

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Initialized for Monitoring . Yes

Hard Drive 4
SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . .
LJ073117000019011A5B
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 5
SCSI Bus . . . . . 1
SCSI ID . . . . . 4
Serial Number . . . . .
LJ0832350000185313SL
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 6
SCSI Bus . . . . . 1
SCSI ID . . . . . 5
Serial Number . . . . .
LJ1189080000190309JT
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 7
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
LJF83245000019311JU2
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 8
SCSI Bus . . . . . 1
SCSI ID . . . . . 2
Serial Number . . . . .
LJ101351000019020NF5
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 9
SCSI Bus . . . . . 1
SCSI ID . . . . . 3
Serial Number . . . . .
LJ087819000019010ZTL
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 10
SCSI Bus . . . . . 1
SCSI ID . . . . . 4
Serial Number . . . . .
LJ06281200001902J2HR
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934

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Initialized for Monitoring . Yes

Hard Drive 11
SCSI Bus . . . . . 1
SCSI ID . . . . . 5
Serial Number . . . . .
LJ109924000019021FM6
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 12
SCSI Bus . . . . . 1
SCSI ID . . . . . 6
Serial Number . . . . .
LJ4783240000191103BN
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 13
SCSI Bus . . . . . 1
SCSI ID . . . . . 0
Serial Number . . . . .
LJF8098400001931HL5Z
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 14
SCSI Bus . . . . . 1
SCSI ID . . . . . 1
Serial Number . . . . .
LJCL367100001931JF0J
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 15
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
LJ08019900001853135F
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 16
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ0908840000185314P0
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 17
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
NJ04163300001845HRAD
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934

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Initialized for Monitoring . Yes

Hard Drive 18
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
LJ10803800002902H626
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 19
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
NJ04162400001845HQG5
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 20
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
LJ48478900002911J33E
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 21
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ46211100001909256F
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 22
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
LJB9002900002923H9XJ
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 23
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
LJB93405000019262KTY
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 24
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
LJ4701120000191103KB
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934

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Initialized for Monitoring . Yes

Hard Drive 25
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
NJ03856900001838HQMD
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 26
SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . .
LJ46451300002910J8YH
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 27
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
LJ067618000018531C09
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 28
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJD05576000019270BSP
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 29
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
LJ188412000019100UNM
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 30
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ094170000019020LUW
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 31
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
LJ08385100002853H453
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934

```

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Initialized for Monitoring . Yes

Hard Drive 32
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
LJ456968000019100F9J
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 33
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
LJ12887800001904036S
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 34
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
NJ04026500001835HNN2
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 35
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ107331000019030HCF
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 36
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
LJ10890400002902H7FH
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 37
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
LJ076684000019011N3C
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 38
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
NJ04159800001845JC7F
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934

```

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Initialized for Monitoring . Yes

Hard Drive 39
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
LJ133627000019031X9K
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 40
SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . .
LJG03579000019311CEA
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 41
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
NJ04020900001838HQNK
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 42
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJB7789100001926HBSL
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 43
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
NJ041314000018450G83
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 44
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ463761000019100K4T
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 45
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
LJ42225600002910J6CG
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934

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Initialized for Monitoring . Yes

Hard Drive 46
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
LJB394690000192716XB
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 47
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
NJ04161500001845HSXP
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 48
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
NJ0400690000H83305JA
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 49
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJ488663000019101N7B
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 50
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
LJ11069500001902H6QC
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 51
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
NJ04024300001835H3GZ
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 52
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
LJ10841800001902HRVM
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934

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Initialized for Monitoring . Yes

Hard Drive 53
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
NJ04021000001845JFLV
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 54
SCSI Bus . . . . . 2
SCSI ID . . . . . 6
Serial Number . . . . .
LJ09192200001853QNM
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 55
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
LJ1056900000190124B8
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 56
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
NJ041390000018450CVL
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Drive Controller 10, Compaq Smart Array 4200
Controller
IDA Firmware Revision . . . . 0.42
Array Accelerator Memory . . . . 57344 Kbytes
Accelerator Status . . . . . Not Configured
Battery count . . . . . 3
Batteries charged . . . . . 3
Batteries failed . . . . . 0
ProLiant . . . . . Bus 4, Rev. JB43

Logical Drive 1 . . . . . 104856 Megabyte
Fault Tolerance . . . . . Mirroring
OS Format . . . . . Multi-Sector
Distribution
Drive geometry (Cyl, Hds, Sec) 25098, 255, 32
Array Accelerator . . . . . Disabled

Hard Drive 1
SCSI Bus . . . . . 2
SCSI ID . . . . . 0
Serial Number . . . . .
LJG0578600001931JHLY
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

```

```

Hard Drive 2
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
LJG0535200001931JHH2
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 3
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
LJG38218000029320EAS
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 4
SCSI Bus . . . . . 2
SCSI ID . . . . . 3
Serial Number . . . . .
LJG4587200002932H10R
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 5
SCSI Bus . . . . . 2
SCSI ID . . . . . 4
Serial Number . . . . .
NJ0402270000H83204NS
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 6
SCSI Bus . . . . . 2
SCSI ID . . . . . 5
Serial Number . . . . .
NJ04138300001845J4YH
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 7
SCSI Bus . . . . . 2
SCSI ID . . . . . 1
Serial Number . . . . .
NJ125313000019031L6M
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

Hard Drive 8
SCSI Bus . . . . . 2
SCSI ID . . . . . 2
Serial Number . . . . .
NJ04135800001845J3RB
Firmware Revision 1 . . . . 3B00
Model Number . . . . . COMPAQ BD00911934
Initialized for Monitoring . Yes

```

Hard Drive 9  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 3  
 Serial Number . . . . .  
 LJ4691120000191016PA  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 10  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 4  
 Serial Number . . . . .  
 LJ46341500002910JA3N  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 11  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 5  
 Serial Number . . . . .  
 LJ4583490000190923WV  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 12  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 6  
 Serial Number . . . . .  
 LJB70836000019261ZV3  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 13  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 0  
 Serial Number . . . . .  
 LJ09433100002902H834  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 14  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 NJ04161600001845HQH8  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 15  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 0  
 Serial Number . . . . .  
 LJ4593760000190923NS  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 16  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJ455872000019091UGE  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 17  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 LJ4536290000190924BW  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 18  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 3  
 Serial Number . . . . .  
 LJ425225000019101DM4  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 19  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 4  
 Serial Number . . . . .  
 LJ46809200002910J4VS  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 20  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 5  
 Serial Number . . . . .  
 LJ4596120000191002N2  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 21  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJ456813000019100P9C  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 22  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 2  
 Serial Number . . . . .  
 LJ4566300000190834B5  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 23  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 3  
 Serial Number . . . . .  
 LJ45692100001910124N  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 24  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 4  
 Serial Number . . . . .  
 LJ471513000019091RE2  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 25  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 5  
 Serial Number . . . . .  
 LJ46104300002909R8VV  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 26  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 6  
 Serial Number . . . . .  
 LJF9255900002931HD3H  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 27  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 0  
 Serial Number . . . . .  
 LJB853180000192708RA  
 Firmware Revision 1 . . . . 3B00  
 Model Number . . . . . COMPAQ BD00911934  
 Initialized for Monitoring . Yes

Hard Drive 28  
 SCSI Bus . . . . . 2  
 SCSI ID . . . . . 1  
 Serial Number . . . . .  
 LJG4356100002932H50U  
 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 . . . . . 637 Kbytes
Amount Free . . . . . 595 Kbytes
(609984 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)

Status of file: C:\IO.SYS
Date and Time . . . . . 06/14/1999
18:10:44
Size . . . . . 0 Bytes

Status of file: C:\MSDOS.SYS
Date and Time . . . . . 06/14/1999
18:10:44
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 . . . . . 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
-----
088F 007200 COMMAND.COM 2Fh 2Eh 24h 23h 22h
0A5A 206624 INSPECT.EXE FFh F9h F4h F3h F2h
Flh F0h EEh
EBh 3Fh 00h

System Configuration Memory
00 - 0F : 57 01 45 00 10 12 05 09 07 99 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 19 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 : 23 00 00 00 00 30 00 0E 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 20 C3 0A 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 30 00 10 00 00 00 00
00 00 00 00 00
40:00A0 : 00 00 00 00 00 00 00 00 5C 13 00
CO 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 : 0A6A:0555 0070:0465
07C6:0016 0070:0465
04 - 07 : 0070:0465 F000:FF54
F000:8FDD F000:9BD0

```

```

08 - 0B : 07C6:001F 07C6:0028
F000:9BD0 F000:9BD0
0C - 0F : F000:9BD0 07C6:0082
07C6:009A 0070:0465
10 - 13 : C000:12DE F000:F84D
F000:F841 0070:03EE
14 - 17 : F000:8EC8 0206:0240
0070:042D F000:EF83
18 - 1B : F000:B683 0887:002F
F000:FE6E 0070:045F
1C - 1F : F000:FF53 F000:0000
0000:0522 C000:2019
20 - 23 : 00C9:0FA8 00C9:0FB2
088F:0314 088F:016D
24 - 27 : 088F:0178 00C9:0FBC
00C9:0FC6 00C9:0FDO
28 - 2B : 00C9:106F 0070:0466
00C9:106F 00C9:106F
2C - 2F : 00C9:106F 00C9:106F
088F:0162 0890:01CC
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 1AEA:04F5
40 - 43 : F000:EC59 0000:0000
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 : 07C6:0035 F000:9C1F
F000:9BD0 F000:9BD0
74 - 77 : 07C6:00E2 F000:9C21
07C6:00FA 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 7800:0006
1F85:0046 0087:7800
F0 - F3 : 13C1:0046 1CC8:0009
13C1:5D37 1400:1CC8
F4 - F7 : 1B00:0246 0101:7248
0000:0000 0000:5FFE
F8 - FB : 5FFE:0020 1497:6304
000C:0003 0000:0907
FC - FF : 4346:00FC 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 . . . . . 14

Bus Number . . . . . 0
Device Number . . . . . 1
Function Number . . . . . 00h
Slot Number . . . . . 7
Vendor ID . . . . . 0E11h
Device ID . . . . . 0046h
Revision ID . . . . . 01h
Device Type . . . . . Invalid Sub
Class(4)
Programming Interface . . . . . 00h
Expansion ROM Base Address . . . . . FFFC0000h
IRQ Line . . . . . 5
IRQ Pin . . . . . INTA#
Memory Address Base . . . . . F7BF0000h
Memory Address Length . . . . . 1000h
IO Address Base . . . . . 2000h
IO Address Length . . . . . 100h

Bus Number . . . . . 0
Device Number . . . . . 2
Function Number . . . . . 00h
Slot Number . . . . . 8
Vendor ID . . . . . 0E11h
Device ID . . . . . 0046h
Revision ID . . . . . 01h
Device Type . . . . . Invalid Sub
Class(4)
Programming Interface . . . . . 00h
Expansion ROM Base Address . . . . . FFFC0000h
IRQ Line . . . . . 5
IRQ Pin . . . . . INTA#
Memory Address Base . . . . . F7BE0000h
Memory Address Length . . . . . 1000h
IO Address Base . . . . . 2400h
IO Address Length . . . . . 100h

Bus Number . . . . . 0
Device Number . . . . . 3
Function Number . . . . . 00h
Slot Number . . . . . 9
Vendor ID . . . . . 0E11h
Device ID . . . . . 0046h
Revision ID . . . . . 01h
Device Type . . . . . Invalid Sub
Class(4)
Programming Interface . . . . . 00h
Expansion ROM Base Address . . . . . FFFC0000h
IRQ Line . . . . . 5
IRQ Pin . . . . . INTA#
Memory Address Base . . . . . F7BD0000h
Memory Address Length . . . . . 1000h
IO Address Base . . . . . 2800h
IO Address Length . . . . . 100h

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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 . . . . . F4000000h
Memory Address Length . . . . . 1000000h
IO Address Base . . . . . 2C00h
IO Address Length . . . . . 100h
Memory Address Base . . . . . F7BA0000h
Memory Address Length . . . . . 1000h

Bus Number . . . . . 0
Device Number . . . . . 14
Function Number . . . . . 00h
Slot Number . . . . . 0
Vendor ID . . . . . 0E11h
Device ID . . . . . 0010h
Revision ID . . . . . 01h
Device Type . . . . . Invalid Sub
Class(4)
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 . . . . . F6000000h
Memory Address Length . . . . . 1000000h
Memory Address Base . . . . . F5000000h
Memory Address Length . . . . . 1000000h

Bus Number . . . . . 5
Device Number . . . . . 1
Function Number . . . . . 00h
Slot Number . . . . . 1
Vendor ID . . . . . 0E11h
Device ID . . . . . 0046h
Revision ID . . . . . 01h
Device Type . . . . . Invalid Sub
Class(4)
Programming Interface . . . . . 00h
Expansion ROM Base Address . . . . . FFFC0000h
IRQ Line . . . . . 5
IRQ Pin . . . . . INTA#
Memory Address Base . . . . . F7EF0000h
Memory Address Length . . . . . 1000h
IO Address Base . . . . . 4000h
IO Address Length . . . . . 100h

Bus Number . . . . . 5
Device Number . . . . . 2
Function Number . . . . . 00h
Slot Number . . . . . 2

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Vendor ID . . . . . 0E11h
Device ID . . . . . 0046h
Revision ID . . . . . 01h
Device Type . . . . . Invalid Sub
Class(4)
Programming Interface . . . . . 00h
Expansion ROM Base Address . . . . . FFFC0000h
IRQ Line . . . . . 11
IRQ Pin . . . . . INTA#
Memory Address Base . . . . . F7EE0000h
Memory Address Length . . . . . 1000h
IO Address Base . . . . . 4400h
IO Address Length . . . . . 100h

Bus Number . . . . . 5
Device Number . . . . . 3
Function Number . . . . . 00h
Slot Number . . . . . 3
Vendor ID . . . . . 0E11h
Device ID . . . . . 0046h
Revision ID . . . . . 01h
Device Type . . . . . Invalid Sub
Class(4)
Programming Interface . . . . . 00h
Expansion ROM Base Address . . . . . FFFC0000h
IRQ Line . . . . . 9
IRQ Pin . . . . . INTA#
Memory Address Base . . . . . F7ED0000h
Memory Address Length . . . . . 1000h
IO Address Base . . . . . 4800h
IO Address Length . . . . . 100h

Bus Number . . . . . 5
Device Number . . . . . 4
Function Number . . . . . 00h
Slot Number . . . . . 4
Vendor ID . . . . . 0E11h
Device ID . . . . . 0046h
Revision ID . . . . . 01h
Device Type . . . . . Invalid Sub
Class(4)
Programming Interface . . . . . 00h
Expansion ROM Base Address . . . . . FFFC0000h
IRQ Line . . . . . 5
IRQ Pin . . . . . INTA#
Memory Address Base . . . . . F7EC0000h
Memory Address Length . . . . . 1000h
IO Address Base . . . . . 4C00h
IO Address Length . . . . . 100h

Bus Number . . . . . 5
Device Number . . . . . 5
Function Number . . . . . 00h
Slot Number . . . . . 5
Vendor ID . . . . . 0E11h
Device ID . . . . . 1229h
Revision ID . . . . . 08h
Device Type . . . . . Ethernet Controller
Programming Interface . . . . . 00h
Expansion ROM Base Address . . . . . FFF00000h
IRQ Line . . . . . 15
IRQ Pin . . . . . INTA#
Memory Address Base . . . . . F7EB0000h

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Memory Address Length . . . . . 1000h
IO Address Base . . . . . 5000h
IO Address Length . . . . . 40h
Memory Address Base . . . . . F7D00000h
Memory Address Length . . . . . 100000h

Bus Number . . . . . 5
Device Number . . . . . 6
Function Number . . . . . 00h
Slot Number . . . . . 6
Vendor ID . . . . . 0E11h
Device ID . . . . . 000Fh
Revision ID . . . . . 14h
Device Type . . . . . SCSI Bus Controller
Programming Interface . . . . . 00h
Expansion ROM Base Address . . . . . 0h
IRQ Line . . . . . 5
IRQ Pin . . . . . INTA#
IO Address Base . . . . . 5400h
IO Address Length . . . . . 100h
Memory Address Base . . . . . F7CF0000h
Memory Address Length . . . . . 100h
Memory Address Base . . . . . F7CE0000h
Memory Address Length . . . . . 1000h

Bus Number . . . . . 5
Device Number . . . . . 6
Function Number . . . . . 01h
Slot Number . . . . . 6
Vendor ID . . . . . 0E11h
Device ID . . . . . 000Fh
Revision ID . . . . . 14h
Device Type . . . . . SCSI Bus Controller
Programming Interface . . . . . 00h
Expansion ROM Base Address . . . . . 0h
IRQ Line . . . . . 5
IRQ Pin . . . . . INTA#
IO Address Base . . . . . 5800h
IO Address Length . . . . . 100h
Memory Address Base . . . . . F7CD0000h
Memory Address Length . . . . . 100h
Memory Address Base . . . . . F7CC0000h
Memory Address Length . . . . . 1000h

Bus Number . . . . . 13
Device Number . . . . . 1
Function Number . . . . . 00h
Slot Number . . . . . 10
Vendor ID . . . . . 0E11h
Device ID . . . . . 0046h
Revision ID . . . . . 01h
Device Type . . . . . Invalid Sub
Class(4)
Programming Interface . . . . . 00h
Expansion ROM Base Address . . . . . FFFC0000h
IRQ Line . . . . . 5
IRQ Pin . . . . . INTA#
Memory Address Base . . . . . F7FF0000h
Memory Address Length . . . . . 1000h
IO Address Base . . . . . 6000h
IO Address Length . . . . . 100h

Bus Number . . . . . 13

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```

Device Number . . . . . 2
Function Number . . . . . 00h
Slot Number . . . . . 11
Vendor ID . . . . . 0E11h
Device ID . . . . . 0046h
Revision ID . . . . . 01h
Device Type . . . . . Invalid Sub
Class(4)
Programming Interface . . . . . 00h
Expansion ROM Base Address . . . . . FFFC0000h
IRQ Line . . . . . 5
IRQ Pin . . . . . INTA#
Memory Address Base . . . . . F7FE0000h
Memory Address Length . . . . . 1000h
IO Address Base . . . . . 6400h
IO Address Length . . . . . 100h

```

LIGHTNING is a trademark of Compaq Computer Corporation.

ProLiant 8500 is a trademark of Compaq Computer Corporation.

# Appendix D: 180-Day Space

TPC-C 180 Day Space Requirements								TpmC	40,000.60
Warehouses	3250						8hr Space	Total Space KB	
Table	Rows	Data KB	Index KB	Extra 5% KB					
Warehouse	3250	352	56	20				428	
District	32500	3,616	72	184				3872	
Customer	97500000	70,909,096	4,553,208	3,773,115				79235419	
History	97500000	5,416,808	0				2,878,293	5416808	
NewOrder	29250000	462,456	1,296					463752	
Orders	97500000	2,988,512	1,650,672				17,354,270	4639184	
OrderLine	975001817	60,937,616	151,792				28,505,498	61089408	
Item	100000	9,528	96	481				10105	
Stock	325000000	104,000,008	233,056	5,211,653				109444717	
<b>Total</b>		244,727,992	6,590,248	8,985,454			48,738,061	260,303,694	
	<b>MB</b>								
Dynamic Space	67,718	Sum of Data for Order, Orderline and History							
Static Space	186,485	Sum of Data+Index+5%-Dynamic Space							
Free Space	na	Total Allocated Spac - ( Dynamic + Static Space)							
Daily Growth	13,335	(Dynamic Space/(W*62.5))*tpmc							
Daily Spread	-	(Free Space -1.5*Daily Growth) Zero Assumed							
180 Day Space MB	2,586,854	18 GB Drive		17,300 GB					
<b>180 Day Space GB</b>	<b>2,526.22 GB</b>	9 GB Drive		8,474 GB					
		4 GB Drive		3,999 GB					
Log Size	95,000 MB								
KB Per New Order	5,0947 KB								
8 hr log MB	95,527 MB								
<b>8 hr log GB</b>	<b>93.2881 GB</b>								
<b>Space Usage</b>	<b>GB Needed</b>	<b>Disks Measured</b>	<b>GB Priced</b>						
180 Day Space DB	2,526.22	0	0.00	18GB		0		0.00	
		252	2135.36	9GB		252		2135.36	
		224	895.78	4GB		0		0.00	
Total DB		<b>476</b>	<b>3031.13 GB</b>			<b>252</b>		<b>2135.36</b>	
8-hr log + mirror	186.5763	28	484.40 GB					484.40	
OS, Swap	3	1	3,999 GB					3,999	
<b>Total Storage</b>	<b>2,715.80 GB</b>		<b>3,519.53 GB</b>					<b>2,623.75</b>	

***Appendix E:  
Third Party Letters***

**Microsoft**

July 2, 1999

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 for several Microsoft products, to be used in conjunction with TPC-C benchmark testing.

Microsoft SQL Server 7.0, Enterprise Edition (one server plus unlimited CALs)	\$28,999
Microsoft Windows NT Server 4.0, Enterprise Edition (one server plus 25 CALs)	\$3,999
Windows 2000 Server (one server plus 5 CALs)	\$809
Visual C++ Professional 6.0 (single copy)	\$549
5-year maintenance for above software @ \$2095/yr	\$10,475

This quote is valid for the next 90 days.

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.

\*\*\* TOTAL PAGE.02 \*\*\*



# ALLSTAR SYSTEMS

Item Description	Stock Number	Price Each	QTY	Total	Service	Total Price
ProLiant 6500-550ZM ProLiant Enterprise Server - Parts Exchange - 1 Year	303300-001	65,090.00	1	\$65,090.00		\$65,090.00
Onsite 5x6 4 Hr Service Upgrade from Compaq Standard Service Cache Processor Kit		5597	2		\$1,194	\$1,194.00
512MB SD RAM Memory Kit (2 x 256MB)	308914-821	0.00	0	\$26,880.00	\$43,153.42	\$43,153.42
Compaq SMART Array Controller 4200	238807-821	5,720.00	4	\$1,902.40	\$26,880.00	\$26,880.00
StorageWorks Enclosure Model 4214R	239636-821	2,217.60	4	\$19,958.40	\$7,328.60	\$7,328.60
ProLiant Storage System - Parts Exchange - 1 Year	103981-001	2,576.90	34	\$87,594.00		\$87,594.00
4.3GB Wide Ultra SCSI-3	242584-001	446.88	1	\$446.88	\$17,340.00	\$17,340.00
Compaq VCA VES Color Monitor	308008-001	239.68	6	\$1,438.08		\$446.88
68GB DAT Drive	285853-821	703.36	1	\$703.36		\$1,438.08
Compaq Rack Model 7142	169753-001	1,880.00	3	\$5,040.00		\$703.36
Compaq Rack Sidewall Kit	165664-001	152.32	2	\$304.64		\$5,040.00
Compaq Rack Coupling Kit	169592-001	206.32	1	\$206.32		\$304.64
4.3 GB Hot-Ping SCSI-3 Drive - 10K	336346-821	502.88	226	\$112,645.12		\$206.32
ProLiant 1600 6500 - 12MB, 100TX Nic	396357-821	838.48	252	\$211,897.76		\$112,645.12
ProLiant Workgroup Server - Parts Exchange - 1 Year	386746-001	2,994.64	5	\$13,423.20		\$211,897.76
Onsite 5x6 4 Hr Service Upgrade from Compaq Standard Service	FM-L-OPRT-12	259.00	10		\$2,590.00	\$13,423.20
ProLiant 1600 6500 Processor Option Kit	401268-821	1,398.88	5	\$6,994.40		\$2,590.00
128-Megabyte SD DIMM Kit	519515-821	327.04	15	\$4,905.60		\$6,994.40
4.3GB Wide Ultra2 SCSI Hard Drive	349815-821	489.28	5	\$2,346.40		\$4,905.60
Compaq Dual Speed Switch SW5322	355310-821	2,944.48	4	\$11,777.92		\$2,346.40
8-port 10baseT hub		23.00	4467	\$128,358		\$11,777.92
IMK5 Toolkit for NT		498.00	1	\$498.00		\$128,358.00
Large Purchase and Cash discount				(\$53,948.94)	(\$5,992.82)	\$498.00
<b>Totals:</b>				\$646,082.76	\$60,594.04	\$706,676.78

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.