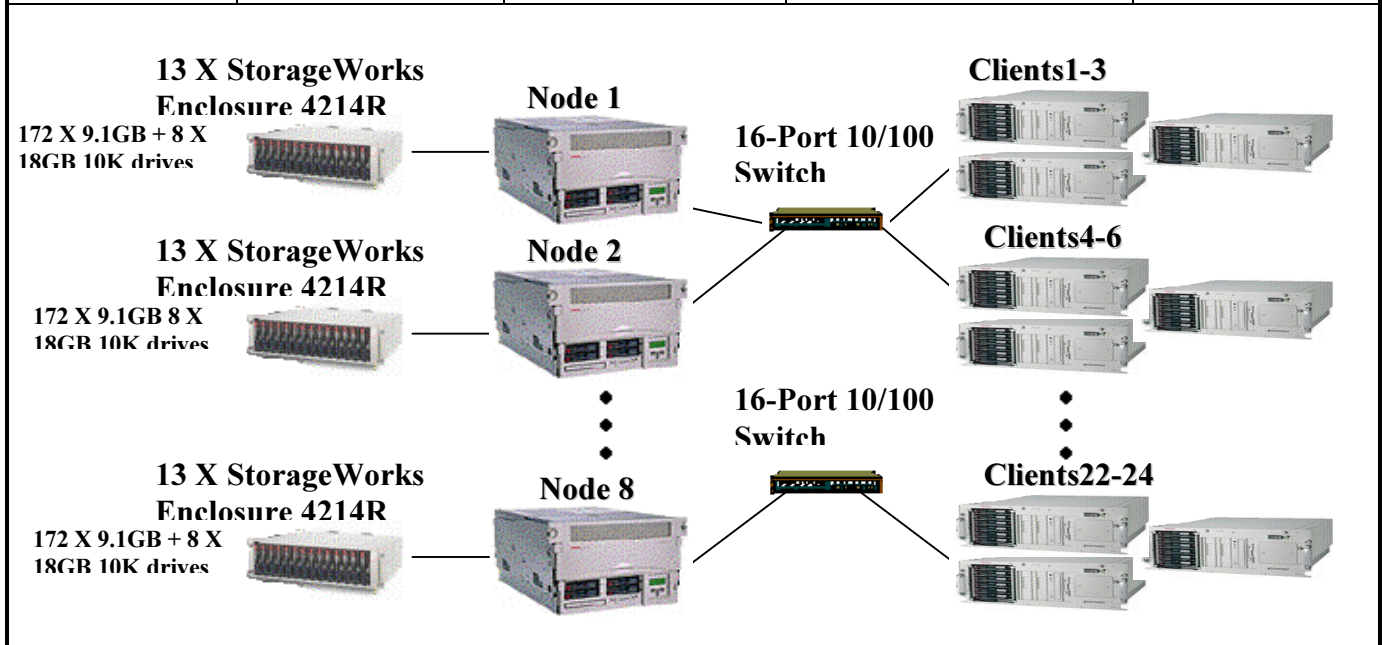


Compaq Computer Corporation		ProLiant 8500-550-64P Client/Server		TPC-C Rev. 3.5	
				Report Date: July 25,2000	
Total System Cost		TPC-C Throughput		Price/Performance	
<b>\$3,534,272</b>		<b>161,719.90</b>		<b>\$21.86</b>	
Availability Date		<b>Sep 30, 2000</b>			
Processors	Database	Operating System	Other Software		Number Users
64 Pentium III Xeon 550 MHz	Microsoft SQL Server 2000 Enterprise Edition	Windows 2000 Advanced Server	Microsoft Visual C++ MKS Toolkit for NT Microsoft COM+		<b>144,000</b>



System Components	Server		Clients	
	Quantity	Description	Quantity	Description
Processor	64	550MHz Pentium III Xeon w/ 2MB Cache	34	Pentium III 600Mhz/512K
			12	Pentium III 550Mhz/512K
			2	Pentium III 733Mhz/512K
Memory	128	512MB	96	128MB
Disk Controllers	40	Compaq SMART Array Controller 5304	23	Integrated Ultra SCSI Controller
	8	Integrated SCSI RAID Controller	1	Integrated SCSI RAID Controller
Disk Drives	1376	9.1GB 10K Ultra2 Universal SCSI Drives	24	9.1GB 10K Ultra2 SCSI Drives
	64	18GB 10K Ultra2 Universal SCSI Drives		
Total Storage		12.46 TeraBytes		203.3GB
Tape Drives	1	4/8 GB SLR Tape Drive		

Compaq Computer Corporation		ProLiant 8500-550-64P		TPC-C Rev. 3.5		
Client/Server		Report Date:		25-Jul-00		
Description	Part Number	Third Party Brand	Unit Price	Qty	Extended Price	5 yr. Maint. Price
<b>Server Hardware</b>						
ProLiant 8500-550-8	323400-001		78,400	8	627,200	
- 8 Pentium III Xeon/550MHz 2MB Cache						
- 4 GB SD RAM - Dual 10/100 Ethernet Controller						
1G-Memory Kit SDRAM	328808-B21		4,301	32	137,626	
NC3122 PCI Dual 10/100 Controller	317450-B21		263	8	2,106	
Compaq SMART Array Controller 5304 - 4 SCSI Chan.	158939-B21		2,463	40	98,515	
StorageWorks Enclosure Model 4214R	103381-001		2,912	104	302,848	
Dual I/O Module for StorageWorks 4214R	119829-B21		560	8	4,480	
Compaq V500 Color Monitor	325900-001		172	8	1,380	
4/8-GB SLR Tape Drive - Internal	295480-B22		448	1	448	
Compaq Rack Model 7142	165753-001		1,680	10	16,800	
Compaq Rack Coupling Kit	165664-001		152	9	1,371	
Compaq Rack Sidewall Kit	165652-001		208	1	208	
R3000 UPS	242705-001		1,786	10	17,864	
ServerNet II PCI Adapter	422869-001		890	8	7,123	
ServerNet II 12 Port Switch	452219-001		4,984	2	9,968	
LinkSys 16 Port 10/100 Switch DSSX16	DEH4324	Linksys	469	7	3,283	See Note 1
9.1 GB Hot-Plug Wide U2 10K 1"	328939-B22		469	1376	645,729	
18.2 GB Hot-Plug Wide U2 10K 1"	128418-B22		783	64	50,104	
ProLiant Enterprise Server - Parts Exchange - 1 Year	FM-HEPRT-12		597	16		9,552
ProLiant Storage System - Parts Exchange - 1 Year	FM-STPRT-12		255	16		4,080
Onsite 5x8 4 Hr Service Upgrade from Compaq Standard Service		Amhurst				154,164
<b>Subtotal</b>					<b>1,927,053</b>	<b>167,796</b>
<b>Server Software</b>						
Microsoft SQL Server 2000 Enterprise	810-00945	Microsoft	15,802	64	1,011,328	83,800
Microsoft Visual C++ 6.0	048-00317	Microsoft	549	1	549	Incl Above
Microsoft Windows 2000 Advance Server	C10-00475	Microsoft	2,399	8	19,192	Incl Above
<b>Subtotal</b>					<b>1,031,069</b>	<b>83,800</b>
<b>Client Hardware</b>						
ProLiant 1600 6/600 - 128MB,100TX Nic	153552-001		2,688	17	45,696	
Pentium III 600 MHz Processor Option	153555-B21		1,007	17	17,117	
ProLiant 1850R 6/550 128MB,100TX Nic	123740-001		4,032	6	24,192	
ProLiant DL380 733/133 128MB, TX NIC	157829-001		4,592	1	4,592	
128-Megabyte SD DIMM Kit	313615-B21		361	69	24,884	
128 MB 133 DIMM	128277-B21		311	3	934	
Pentium III 550 512KB Processor	153555-B21		899	6	5,394	
Pentium III 733/133 Processor	159756-B21		783	1	783	
NC3122 PCI Dual 10/100 Controller	317450-B21		263	36	9,475	
Compaq V500 Color Monitor	325900-001		172	24	4,140	
9.1GB Wide U2 10K	328939-B22		469	24	11,263	
ProLiant Workgroup Server - Parts Exchange - 1 Year	FM-LOPRT-12		259	48		12,432
Onsite 5x8 4 Hr Service Upgrade from Compaq Standard Service		Amhurst				11,878
<b>Subtotal</b>					<b>148,470</b>	<b>24,310</b>
<b>Client Software</b>						
Microsoft Windows 2000 Server	C11-00821	Microsoft	738	24	17,712	Incl. Above
<b>Subtotal</b>					<b>17,712</b>	<b>0</b>
<b>User Connectivity</b>						
LinkSys 8 Port 10/100 Switch EZX#88R	DEH4162	LinkSys	159	27	4,293	See Note 1
ARK 17-port 16-10BaseT 1-10Base2 (BNC) hub	CT1017D1	ArkPC	37.00	9927	367,299	See Note 1
<b>Subtotal</b>					<b>371,592</b>	<b>0</b>
Large Purchase and Cash discount	9.0%	Amhurst			(\$220,240)	(\$17,290)
<b>Total</b>					<b>\$3,275,655</b>	<b>\$258,616</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. Thank you.				<b>Five-Year Cost of Ownership: \$3,534,272</b>		
				<b>tpmC Rating: 161,719.90</b>		
				<b>\$/tpmC: \$21.86</b>		
Pricing: 1=Amherst Computer Products 2=Microsoft 3=MicroWAREHOUSE 4=Market.com						
Note 1 = 5 Year warranty with 10% Spares -						
Note: The benchmark results and test methodology were audited by Loma Livingtree and Tom Sawyer of Performance Metrics, Inc.						

## Numerical Quantities Summary

**MQTH, Computed Maximum Qualified Throughput** **161,719.60 tpmC**

% throughput difference, reported & reproducibility runs 0.4%

<b>Response Times (in seconds)</b>	<b>Average</b>	<b>90%</b>	<b>Maximum</b>
New-Order	0.57	1.26	19.87
Payment	0.42	1.03	17.71
Order-Status	0.40	0.98	12.34
Delivery (interactive portion)	0.11	0.11	2.13
Delivery (deferred portion)	0.49	0.85	9.41
Stock-Level	1.37	2.14	13.10
Menu	0.11	0.11	2.14

### Transaction Mix, in percent of total transaction

New-Order	44.76%
Payment	43.10%
Order-Status	4.04%
Delivery	4.05%
Stock-Level	4.05%

<b>Emulation Delay (in seconds)</b>	<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

<b>Keying/Think Times (in seconds)</b>	<b>Min.</b>	<b>Average</b>	<b>Max.</b>
New-Order	18.00/0.00	18.02/14.46	18.04/144.62
Payment	3.00/0.00	3.02/14.46	3.04/144.62
Order-Status	2.00/0.00	2.02/12.04	2.03/120.61
Delivery (interactive)	2.00/0.00	2.02/6.07	2.03/60.61
Stock-Level	2.00/0.00	2.02/6.06	2.03/60.61

### Test Duration

Ramp-up time	87 minutes
Measurement interval	30 minutes
Transactions (all types) completed during measurement interval	10,839,642
Ramp down time	7 minutes

### Checkpointing

Number of checkpoints	1
Checkpoint interval	30 minutes