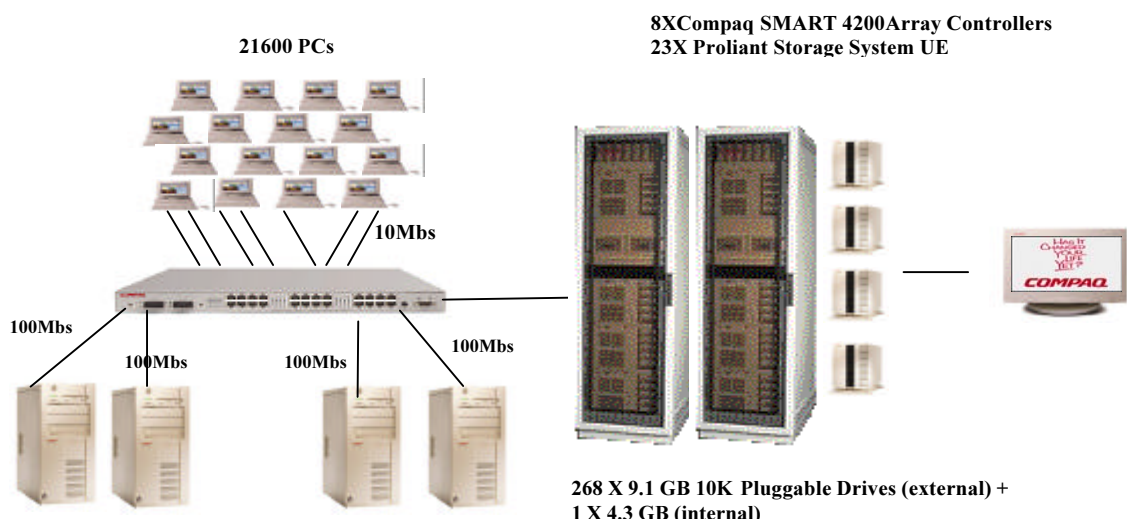


Compaq Computer Corporation		ProLiant 8000-550-2M C/S with 4 ProLiant 1600		TPC-C Rev. 3.4 Report Date: Aug 16, 1999					
Total System Cost		TPC-C Throughput		Price/Performance		Availability Date			
\$484,876		26560.40		\$18.26		Dec 31, 1999*			
Processors		Database		Operating System		Other Software		Number Users	
4 Pentium III Xeon 550 MHz		Microsoft SQL Server 7.0 Enterprise Edition		Windows NT 4.0 Enterprise Edition (SP4)		Microsoft Visual C++ MKS Toolkit for NT Microsoft COM+		21600	

Compaq ProLiant 8000-550/2M



System Components	Server		Each Client	
	Quantity	Description	Quantity	Description
Processor	4	550MHz Pentium III Xeon w/ 2MB Cache	2	500MHz Pentium III w/ 512K cache
Memory	16	256MB	4	128MB
Disk Controllers	8	SMART SCSI Array Controller 4200	1	Integrated Ultra SCSI Controller
Disk Drives	268	9.1GB SCSI Drive	1	4.3GB SCSI Drive
Total Storage		2.2214 TeraBytes		4.3 GB
Tape Drives	1	4/16 TurboDAT		

* Hardware availability date August 15, 1999

Compaq Computer Corporation		ProLiant 8000-550/2M		TPC-C Rev. 3.4			
		Client/Server		Report Date:	16-Aug-99		
Description	Part Number	Third Party Brand	Unit Price	Qty	Extended Price	5 yr. Maint. Price	
Server Hardware							
ProLiant 8000-550/2M	303900-001		57,338	1	57,338		
- 4 Pentium III Xeon/550MHz 2MB Cache							
- 2 GB SD RAM Memory							
- CD-ROM 24X							
- 10/100 Ethernet Controller							
Compaq NC3123 Fast Ethernet NIC PCI, 10/100 WOL	174830-B21		75	1	75		
512MB SD RAM Memory Kit (2 x 256MB)	238807-B21		1,652	4	6,608		
Compaq SMART Array Controller 4200	295636-B21		2,218	8	17,741		
ProLiant Storage System -UE	348710-002		1,903	23	43,766		
4.3-GB Fast SCSI-2 7200 RPM Drive	199580-001		447	1	447		
Compaq VGA V55 Color Monitor	308006-001		203	1	203		
4/8GB DAT Drive	295353-B21		703	1	703		
Compaq Rack Model 7142	165753-001		1,680	2	3,360		
Compaq Rack Coupling Kit	165664-001		152	1	152		
Compaq Rack Sidewall Kit	165652-001		208	1	208		
Compaq UPS Model T2000	242688-005		936	1	936		
9.1 GB Hot-Plug SCSI-3 Drive - 10K	336357-B21		716	268	191,802		
ProLiant Enterprise Server - Parts Exchange - 1 Year	FM-HEPRT-12		597	2		1,194	
ProLiant Storage System - Parts Exchange - 1 Year	FM-STPRT-12		255	46		11,730	
Onsite 5x8 4 Hr Service Upgrade from Compaq Standard Service		Allstar		1		25,867	
					Subtotal	323,341	38,791
Server Software							
Microsoft SQL Server 7.0 Enterprise		Microsoft	28,999	1	28,999	10,475	
MKS Toolkit for NT		MKS	499	1	499	5 Yr WTY	
Microsoft Visual C++ 6.0		Microsoft	549	1	549	Incl Above	
Microsoft Windows NT Enterprise v. 4.0		Microsoft	3,999	1	3,999	Incl Above	
					Subtotal	34,046	10,475
Client Hardware							
ProLiant 1600 6/500 - 128MB, 100TX Nic	386746-001		2,685	4	10,739		
ProLiant 1600 6/500 Processor Option Kit	401268-B21		1,399	4	5,596		
128-Megabyte SD DIMM Kit	313615-B21		202	12	2,419		
Compaq VGA V55 Color Monitor	308006-001		203	4	811		
4.3GB Wide Ultra2 SCSI Hard Drive	349513-B21		469	4	1,877		
ProLiant Workgroup Server - Parts Exchange - 1 Year	FM-LOPRT-12		259	8		2,072	
Onsite 5x8 4 Hr Service Upgrade from Compaq Standard Service		Allstar		1		1,715	
					Subtotal	21,441	3,787
Client Software							
Microsoft Windows 2000 Server		Microsoft	809	4	3,236	Incl. Above	
					Subtotal	3,236	0
User Connectivity							
Compaq Dual Speed Switch SW322	355310-B21	Compaq	1,679	4	6,716	See Note 1	
8-port 10BaseT hub		Generic	29.00	2975	86,275	See Note 1	
					Subtotal	92,991	0
Large Purchase and Cash discount	9.0%						
					Total	\$435,655	\$49,221
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.				Five-Year Cost of Ownership: \$484,876			
				tpmC Rating: 26560.40			
				\$ / tpmC: \$18.26			
Pricing: 1=Allstar Systems 2= Microsoft							
Note 1 = 5 Year warranty with 10% Spares -							
Note: The benchmark results and test methodology were audited by Lorna Livingtree of Performance Metrics, Inc.							

Numerical Quantities Summary

MQTH, Computed Maximum Qualified Throughput

26560.40 tpmC

% throughput difference, reported & reproducibility runs

0.53%

Response Times (in seconds)

	Average	90%	Maximum
New-Order	0.71	1.27	8.52
Payment	0.24	0.34	2.55
Order-Status	0.23	0.27	5.19
Delivery (interactive portion)	0.11	0.12	0.23
Delivery (deferred portion)	0.41	0.60	1.38
Stock-Level	2.04	2.59	7.99
Menu	0.11	0.12	0.85

Transaction Mix, in percent of total transaction

New-Order	44.72%
Payment	43.11%
Order-Status	4.05%
Delivery	4.03%
Stock-Level	4.09%

Emulation Delay (in seconds)

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

Keying/Think Times (in seconds)

	Min.	Average	Max.
New-Order	18.00/0.00	18.01/12.22	18.04/122.41
Payment	3.00/0.00	3.01/12.24	3.03/122.41
Order-Status	2.00/0.00	2.01/10.19	2.03/101.99
Delivery (interactive)	2.00/0.00	2.01/5.09	2.03/51.00
Stock-Level	2.00/0.00	2.01/5.12	2.02/51.00

Test Duration

Ramp-up time	30 minutes
Measurement interval	20 minutes
Transactions (all types) completed during measurement interval	1187917
Ramp down time	20 minutes

Checkpointing

Number of checkpoints	1
Checkpoint interval	20 minutes