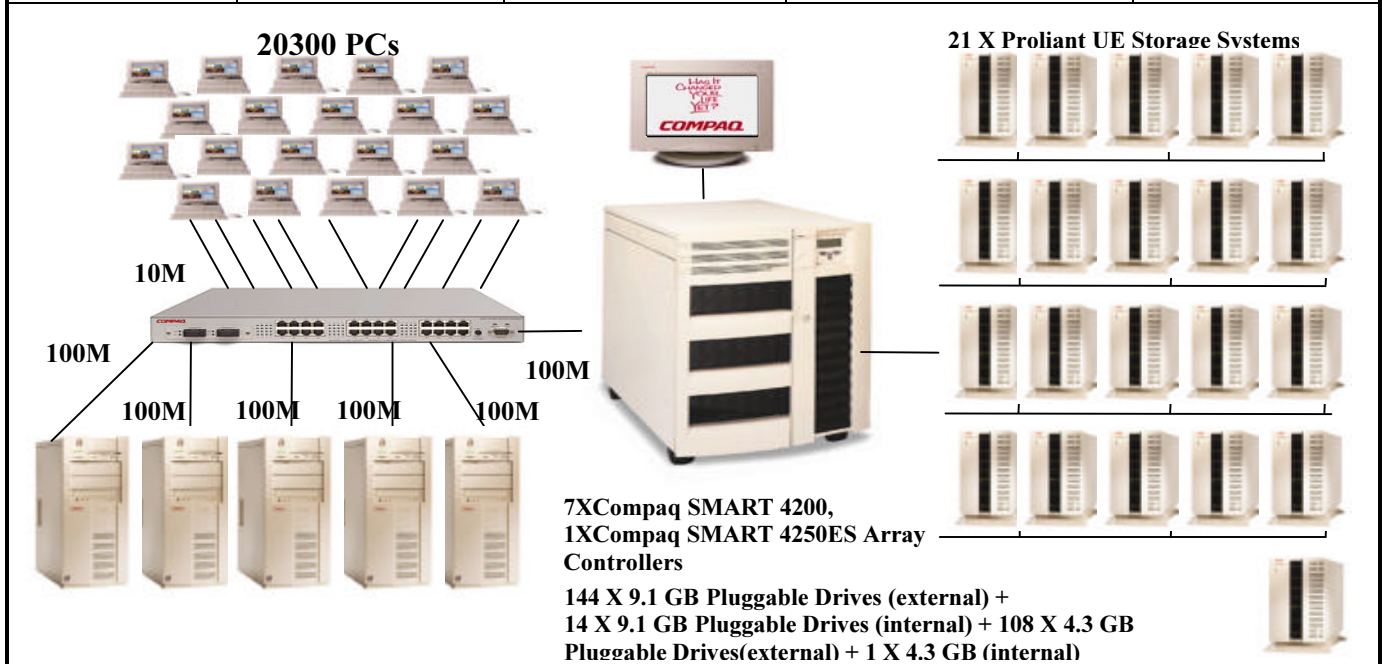


Compaq Computer Corporation	ProLiant 7000-6/500-2S	TPC-C Rev. 3.4
	C/S with 5 ProLiant 1600	Report Date: June 8, 1999

Total System Cost	TPC-C Throughput	Price/Performance	Availability Date
\$473,346	25065.30	\$18.88	August 16, 1999

Processors	Database	Operating System	Other Software	Number Users
4 Pentium III Xeon 500 MHz	Microsoft SQL Server 7.0 Enterprise Edition	Windows NT 4.0 Enterprise Edition (SP4)	NonStopTuxedo 1.3 Microsoft Visual C++ MKS Toolkit for NT	20300



System Components	Server		Each Client	
	Quantity	Description	Quantity	Description
Processor	4	500MHz Pentium III Xeon w/ 2MB Cache	2	450MhzPentium II w/ 512K cache
Memory	32	128MB	4	128MB
Disk Controllers	7	SMART SCSI Array Controller 4200	1	Integrated Ultra SCSI Controller
	1	SMART SCSI Array Controller 4250		
Disk Drives	158	9.1GB SCSI Drive	1	4.3GB SCSI Drive
	109	4.3GB SCSI Drive		
Total Storage		1.7593 TeraBytes		4.3 GB
Tape Drives	1	4/16 TurboDAT		

Compaq Computer Corporation	ProLiant 7000- 6/500-2S		TPC-C Rev. 3.4			
	Client/Server		Report Date:	8-Jun-99		
Description	Part Number	Third Party	Unit Price	Qty	Extended Price	5 yr. Maint. Price
Server Hardware						
Brand Pricing						
ProLiant 7000-6/500-2S 2 x Pentium II Xeon/500MHz - 2MB Cache 3 x Integrated Fast-SCSI-3 Controller CD-ROM, 4250ES SMART Cont. .512MB Memory 10/100 Ethernet Controller	112893-001	1	28,728	1	28,728	
ProLiant Xeon 500 - 2MB Processor Kit	328814-B21	1	6,720	2	13,440	
512MB EDO DIMM Memory Kit (50ns)	328582-B21	1	1,677	7	11,736	
Compaq SMART Array Controller 4200	295636-B21	1	2,218	7	15,523	
ProLiant Storage System -UE	348710-002	1	1,903	21	39,960	
4.3-GB UW SCSI-3 10,000 RPM Drive	304858-B21	1	503	1	503	
Compaq VGA V55 Color Monitor	308006-001	1	240	1	240	
4/8GB DAT Drive	295353-B21	1	703	1	703	
Netelligent 10/100 TX Controller	317600-B21	1	75	1	75	
4.3 GB Hot-Plug SCSI-3 Drive - 10K	336356-B21	1	503	108	54,311	
9.1 GB Hot-Plug SCSI-3 Drive - 10K	336357-B21	1	839	158	132,543	
ProLiant Enterprise Server - Parts Exchange - 1 Year	FM-HEPRT-12	1	597	2		1,194
ProLiant Storage System - Parts Exchange - 1 Year	FM-STPRT-12	1	255	42		10,710
Onsite 5x8 4 Hr Service Upgrade from Compaq Standard Service		Allstar 1				23,821
Subtotal					297,763	35,725
Server Software						
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
Subtotal					34,046	10,475
Client Hardware						
ProLiant 1600 6/450 - 64MB,100TX Nic	313650-001	1	2,832	5	14,162	
ProLiant 1600 6/450 Processor Option Kit	313618-B21	1	1,343	5	6,714	
128-Megabyte SD DIMM Kit	313615-B21	1	327	20	6,541	
Compaq VGA V55 Color Monitor	308006-001	1	240	5	1,198	
4.3GB Wide Ultra2 SCSI Hard Drive	349525-B21	1	391	5	1,954	
ProLiant Workgroup Server - Parts Exchange - 1 Year	FM-LOPRT-12	1	259	10		2,590
Onsite 5x8 4 Hr Service Upgrade from Compaq Standard Service		Allstar 1				2,446
Subtotal					30,570	5,036
Client Software						
Microsoft Windows NT Server v. 4.0		Microsoft 2	809	5	4,045	Incl. Above
Compaq Non-Stop Tuxedo CS for NT - 1.3			1,950	5	9,750	800
Subtotal					13,795	800
User Connectivity						
3Com Superstack II 24 Port 10/100 Switch		3Com 1	1,110	4	4,440	See Note 1
8-port 10BaseT hub		Generic 1	29.00	2816	81,664	See Note 1
Subtotal					86,104	0
Large Purchase and Cash discount	9.0%	1			(\$37,299)	(\$3,668)
Total					\$424,979	\$48,367
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: \$473,346 tpmC Rating: 25065.30 \$ / tpmC: \$18.88		
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

25065.30 tpmC

% throughput difference, reported & reproducibility runs

0.10%

Response Times (in seconds)

	Average	90%	Maximum
New-Order	0.59	1.02	5.25
Payment	0.47	0.90	4.39
Order-Status	0.50	0.93	3.95
Delivery (interactive portion)	0.11	0.11	2.11
Delivery (deferred portion)	0.51	0.80	2.41
Stock-Level	2.08	2.72	5.15
Menu	0.14	0.12	4.07

Transaction Mix, in percent of total transaction

New-Order	44.79%
Payment	43.10%
Order-Status	4.04%
Delivery	4.04%
Stock-Level	4.03%

Emulation Delay (in seconds)

	Resp. Time	Menu
New-Order	N/A	N/A
Payment	N/A	N/A
Order-Status	N/A	N/A
Delivery (interactive)	N/A	N/A
Stock-Level	N/A	N/A

Keying/Think Times (in seconds)

	Min.	Average	Max.
New-Order	18.00/0.00	18.01/12.04	18.27/121.11
Payment	3.00/0.00	3.00/12.04	3.22/121.35
Order-Status	2.00/0.00	2.01/10.04	2.08/100.90
Delivery (interactive)	2.00/0.00	2.01/5.05	2.21/50.72
Stock-Level	2.00/0.00	2.01/5.11	2.10/50.40

Test Duration

Ramp-up time	47 minutes
Measurement interval	20 minutes
Transactions (all types) completed during measurement interval	1102286
Ramp down time	26 minutes

Checkpointing

Number of checkpoints	1
Checkpoint interval	20 minutes