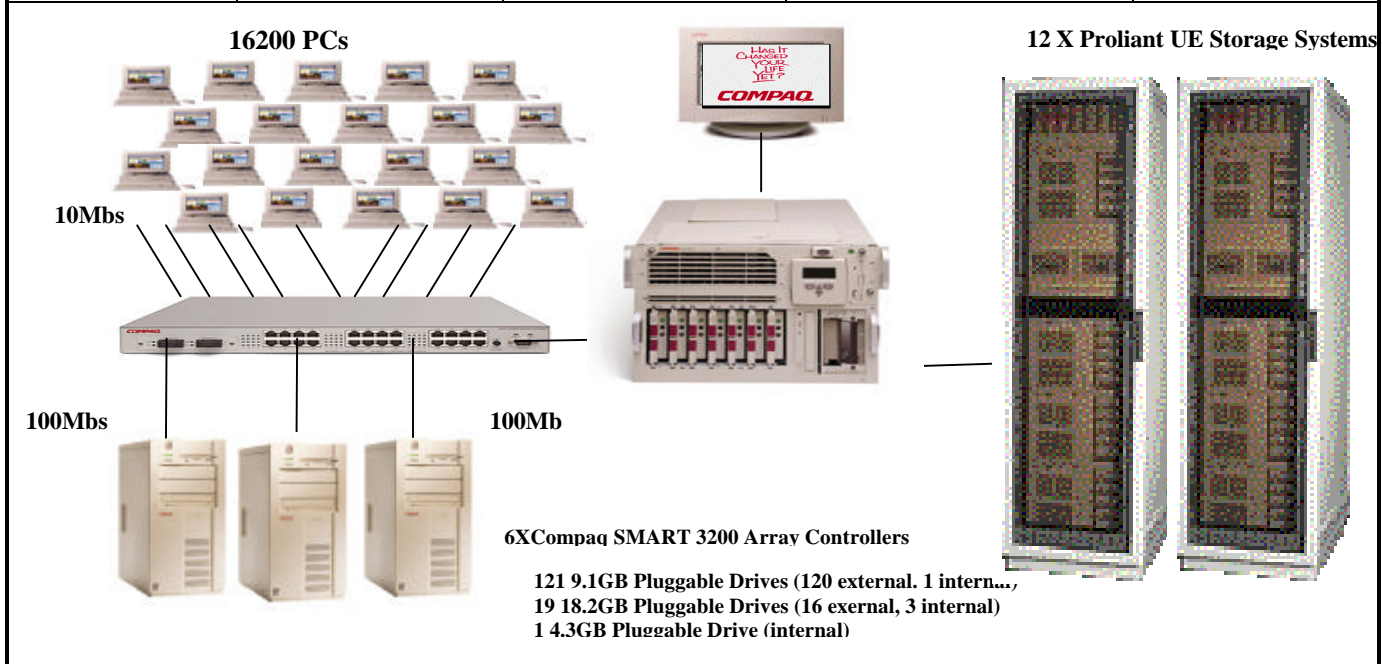


Compaq Computer Corporation		ProLiant 5500-R 6/500 C/S with 3 ProLiant 1600		TPC-C Rev. 3.4 Report Date: June 8,1999					
Total System Cost		TPC-C Throughput		Price/Performance		Availability Date			
\$313,351		20195.5		\$15.51		May 6, 1999			
Processors		Database		Operating System		Other Software		Number Users	
4 Pentium III Xeon 500 MHz		Microsoft SQL Server 7.0 Enterprise Edition		Windows NT 4.0 Enterprise Edition		NonStopTuxedo 1.3 Microsoft Visual C++ MKS Toolkit for NT		16200	



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	12	256MB	2	128MB
	2	128MB	2	64MB
Disk Controllers	6	SMART SCSI Array Controller 3200	1	Integrated Ultra SCSI Controller
Disk Drives	121	9.1GB SCSI Drive	1	4.3GB SCSI Drive
	19	18.2GB SCSI Drive		
	1	4.3GB SCSI Drive		
Total Storage		1.3474 TeraBytes		4.3 GB
Tape Drives	1	4/16 TurboDAT		

Compaq Computer Corporation		ProLiant 5500R- 6/500		TPC-C Rev. 3.4		
Client/Server		Report Date:		8-Jun-99		
Description	Part Number	Third Party Brand	Unit Price	Qty	Extended Price	5 yr. Maint. Price
Server Hardware						
ProLiant 5500-R-6/500 - Rack Mountable	100738-002		7,784	1	7,784	
1 Pentium III Xeon/500MHz .5MB Cache						
2 x Integrated Fast-SCSI-3 Controller						
CD-ROM, 256MB						
10/100 Ethernet Controller						
ProLiant Xeon 500 - 2MB Processor Kit	328814-B21		6,720	4	26,880	
512MB EDO DIMM Memory Kit (60ns)	241773-B21		1,677	6	10,060	
Compaq SMART Array Controller 3200	295643-B21		1,960	6	11,760	
ProLiant Storage System -UE - Rack Mount	348700-001		2,239	12	26,867	
4.3-GB UW SCSI-3 10,000 RPM Drive	304858-B21		503	1	503	
Compaq VGA V55 Color Monitor	308006-001		240	1	240	
4/8GB DAT Drive	295353-B21		703	1	703	
Compaq UPS Model T2000	242688-005		936	1	936	
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	
Netelligent 10/100 TX Controller	317600-B21		75	1	75	
18GB Hot Plug Drives (10K)	336358-B21		1,388	19	26,366	
9.1GB Hot Plug Drives (7.2K)	313706-B21		503	121	60,848	
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	24		6,120
Onsite 5x8 4 Hr Service Upgrade from Compaq Standard Service	Allstar					14,139
Subtotal					176,743	21,453
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++ and Subscription Service	Microsoft	2	499	1	499	Incl Above
Microsoft Windows NT Enterprise v. 4.0	Microsoft	2	3,999	1	3,999	Incl Above
Subtotal					33,996	10,475
Client Hardware						
ProLiant 1600 6/450 - 64MB,100TX Nic, 4.3GB	313650-001		2,174	3	6,522	
ProLiant 1600 6/450 Processor Option Kit	313618-B21		1,343	3	4,029	
64-Megabyte SD DIMM Kit	313614-B21		192	3	575	
128-Megabyte SD DIMM Kit	313615-B21		327	6	1,962	
Compaq VGA V55 Color Monitor	308006-001		240	3	719	
4.3GB Wide Ultra2 SCSI Hard Drive	349525-B21		391	3	1,173	
ProLiant Workgroup Server - Parts Exchange - 1 Year	FM-LOPRT-12		259	6		1,554
Onsite 5x8 4 Hr Service Upgrade from Compaq Standard Service	Allstar					1,198
Subtotal					14,979	2,752
Client Software						
Microsoft Windows NT Server v. 4.0	Microsoft	2	809	3	2,427	Incl. Above
Compaq Non-Stop Tuxedo CS for NT - 1.3			1,950	3	5,850	480
Subtotal					8,277	480
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	2258	65,482	See Note 1
Subtotal					69,922	0
Large Purchase and Cash discount	9.0%	1			(\$23,548)	(\$2,179)
Total					\$280,369	\$32,982
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: \$313,351	
Pricing: 1=Allstar Systems 2= Microsoft					tpmC Rating: 20195.50	
Note 1 = 5 Year warranty with 10% Spares - Note 2 = Depot registration for each subassembly per year for 2 years (4&5)					\$ / tpmC: \$15.51	
Note:The benchmark results and test methodology were audited by Lorna Livingtree of Performance Metrics, Inc.						

Numerical Quantities Summary

MQTH, Computed Maximum Qualified Throughput

20195.5 tpmC

% throughput difference, reported & reproducibility runs

0.30%

Response Times (in seconds)

	Average	90%	Maximum
New-Order	0.41	0.56	6.98
Payment	0.22	0.32	30.06
Order-Status	0.28	0.40	6.59
Delivery (interactive portion)	0.11	0.12	6.08
Delivery (deferred portion)	0.61	0.95	5.14
Stock-Level	2.06	3.70	9.93
Menu	0.12	0.12	6.36

Transaction Mix, in percent of total transaction

New-Order	44.74%
Payment	43.12%
Order-Status	4.04%
Delivery	4.05%
Stock-Level	4.05%

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	18.00/12.08	18.24/121.10
Payment	3.00/0.00	3.00/12.05	3.15/121.10
Order-Status	2.00/0.00	2.01/10.04	2.12/99.50
Delivery (interactive)	2.00/0.00	2.01/5.05	2.10/50.40
Stock-Level	2.00/0.00	2.01/5.13	2.10/50.40

Test Duration

Ramp-up time	119 minutes
Measurement interval	30 minutes
Transactions (all types) completed during measurement interval	1340687
Ramp down time	20 minutes

Checkpointing

Number of checkpoints	1
Checkpoint interval	30 minutes