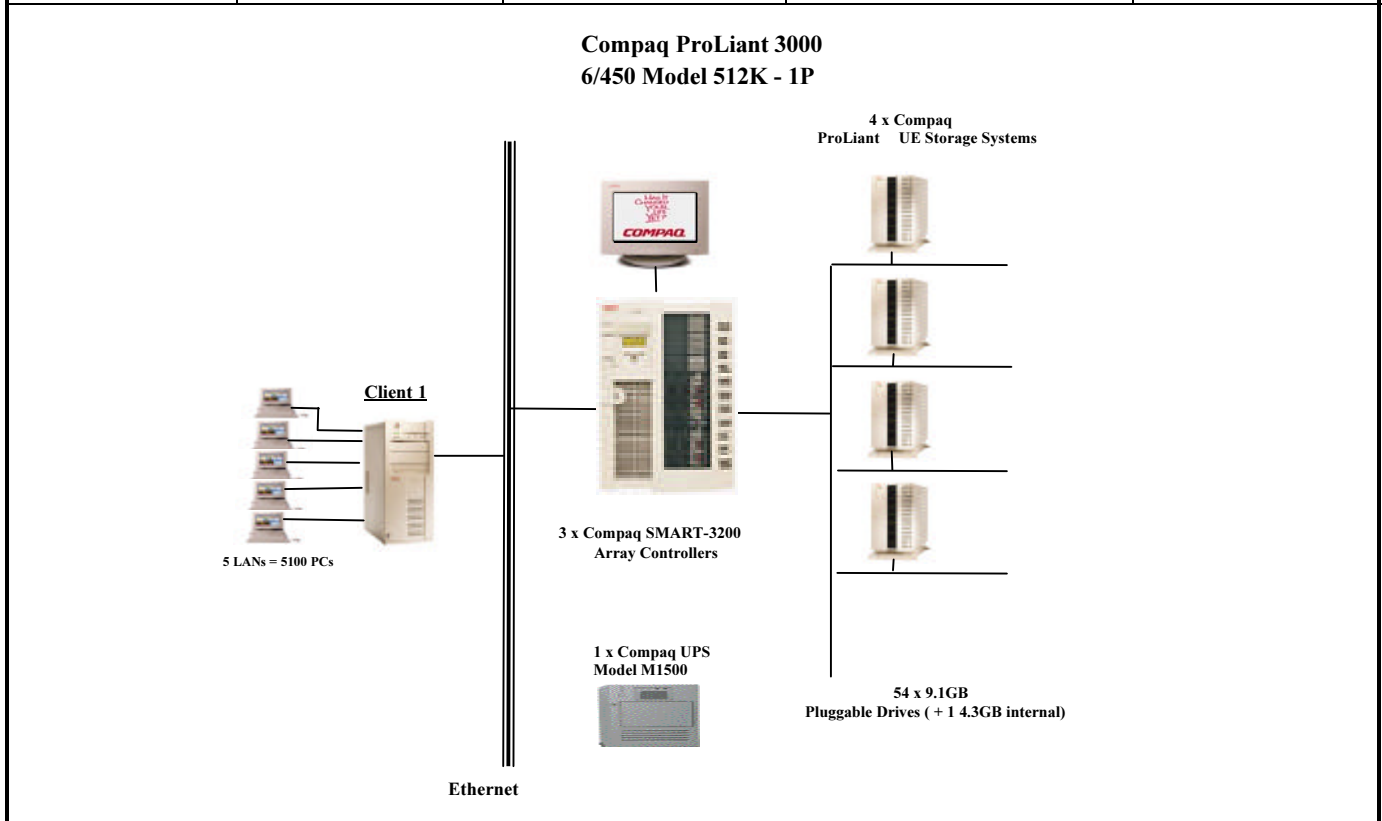


Compaq Computer Corporation		ProLiant 3000-6/450-512-1P C/S with 1 ProLiant 1600		TPC-C Rev. 3.4 Report Date: Nov 24, 1998					
Total System Cost		TPC-C Throughput		Price/Performance		Availability Date			
\$176,042		6290.30		\$27.98		Dec 26, 1998			
Processors		Database		Operating System		Other Software		Number Users	
1 Pentium II 450 MHz		Microsoft SQL Server 7.0 Enterprise Edition		Windows NT 4.0 Enterprise Edition		NonStopTuxedo 1.3 Microsoft Visual C++ MKS Toolkit for NT Microsoft SQL Toolkit		5100	



System Components	Server		Each Client	
	Quantity	Description	Quantity	Description
Processor	1	450MHz Pentium II w/ 512KB Cache	1	400MhzPentium II w/ 512K cache
Memory	4	512MB	1	256MB
	1	128MB		
Disk Controllers	3	SMART SCSI Array Controller 3200	1	Integrated Ultra SCSI Controller
Disk Drives	54	9.1GB SCSI Drive	1	4.3GB SCSI Drive
	1	4.3GB SCSI Drive		
Total Storage		468 MegaBytes		
Tape Drives	1	4/16 TurboDAT		

Compaq Computer Corporation		ProLiant 3000- 6/450-1P			TPC-C REV 3.4		
Client/Server		Report Date:		20-Nov-98			
Description	Part Number	Third Party	Unit Price	Qty	Extended Price	5 yr. Maint. Price	
Server Hardware							
Brand Pricing							
ProLiant 3000-6/450-512, 128MB RAM Pentium II /450MHz - 512KB Cache 10/100 Ethernet Controller 2 x Integrated Fast-SCSI-2 Controller CD-ROM	179720-001	2	4,829	1	4,829		
ProLiant Warranty Upgrade	276535-000	2	1,150	1		1,150	
Onsite 5x8 4hr Service Upgrade						4,522	
512-MB DIMM Memory Module	313617-B21	2	4,025	4	16,100		
Compaq SMART Array Controller 3200	295643-B21	2	2,277	3	6,831		
ProLiant Storage System -UE	348710-002	2	1,954	4	7,815		
ProLiant Storage Warranty Upgrade	276537-001	2	430	4		1,720	
4.3 GB Pluggable Fast-SCSI-2 - 10K Drive	146742-005	2	551	1	551		
9.1 GB Pluggable SCSI-3 Drive - 10K RPM 1'	336357-B21	2	1,172	54	63,280		
Compaq VGA V55 - 15" Color Monitor	308006-001	2	246	1	246		
4/8GB DAT Drive	295353-B21	2	803	1	803		
Compaq Rack Mount UPS M1500	242704-001	2	1,058	1	1,058		
Subtotal					101,513	7,392	
Server Software							
Microsoft SQL Server 7.0 Enterprise		Microso	1	28,999	1	28,999	10,475
MKS Toolkit for NT				499	1	499	5 Yr WTY
Microsoft Windows NT Enterprise v. 4.0		Microso	1	3,999	1	3,999	Incl Above
Subtotal					33,497	10,475	
Client Hardware							
ProLiant 1600 6/400 - 64MB,100TX Nic, 4.3G	315570-001	2	2,961	1	2,961		
ProLiant Warranty Upgrade	276535-000	2	1,150	1		1,150	
Onsite 5x8 4 Hr Response Maintenance		2				834	
ProLiant 1600 6/400 Processor Option Kit	313612-B21	2	1,725	1	1,725		
64-Megabyte SD DIMM Kit	313614-B21	2	419	1	419		
128-Megabyte SD DIMM Kit	313615-B21	2	889	1	889		
Netelligent Dual Port 10/100 PCI NIC	242559-001	2	270	2	541		
Netelligent 10/100 UTP PCI NIC	169845-001	2	83	2	166		
Compaq VGA V55 - 15" Color Monitor	308006-001	2	246	1	246		
Subtotal					6,946	1,984	
Client Software							
Microsoft Windows NT Server v. 4.0		Microso	1	809	1	809	Incl. Above
Microsoft Visual C++		Microso	1	499	1	499	Incl. Above
Compaq Non-Stop Tuxedo CS for NT - 1.3		2	1,950	1	1,950	160	
Subtotal					3,258	160	
User Connectivity							
Compaq 100Base-T Workgroup Hub - 4-Port 8-port 10BaseT hub	348450-001	2	190	3	569	See Note 4	
		2	30.10	710	21,371	See Note 4	
Subtotal					21,940	0	
Large Purchase and Cash discount	10.25%	2			(\$11,122)		
Total					\$156,032	\$20,010	

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: \$176,042

tpmC Rating: 6290.30

\$ / tpmC: \$27.98

Numerical Quantities Summary

MQTH, Computed Maximum Qualified Throughput

6290.30 tpmC

% throughput difference, reported & reproducibility runs

0.11%

Response Times (in seconds)

	Average	90%	Maximum
New-Order	0.54	0.93	3.72
Payment	0.45	0.82	4.18
Order-Status	0.47	0.85	2.31
Delivery (interactive portion)	0.11	0.12	0.28
Delivery (deferred portion)	0.26	0.41	3.34
Stock-Level	1.50	2.13	4.78
Menu	0.11	0.12	3.35

Transaction Mix, in percent of total transaction

New-Order	44.85%
Payment	43.06%
Order-Status	4.06%
Delivery	4.00%
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	18.00/0.07	18.00/12.22	18.10/122.31
Payment	3.01/0.07	3.01/12.19	3.09/122.30
Order-Status	2.00/0.00	2.01/10.25	2.13/101.9
Delivery (interactive)	2.01/0.09	2.01/5.06	2.09/50.90
Stock-Level	2.01/0.09	2.01/5.12	2.08/50.90

Test Duration

Ramp-up time	30.5 minutes
Measurement interval	30 minutes
Transactions (all types) completed during measurement interval	418809
Ramp down time	38 minutes

Checkpointing

Number of checkpoints	1
Checkpoint interval	30 minutes