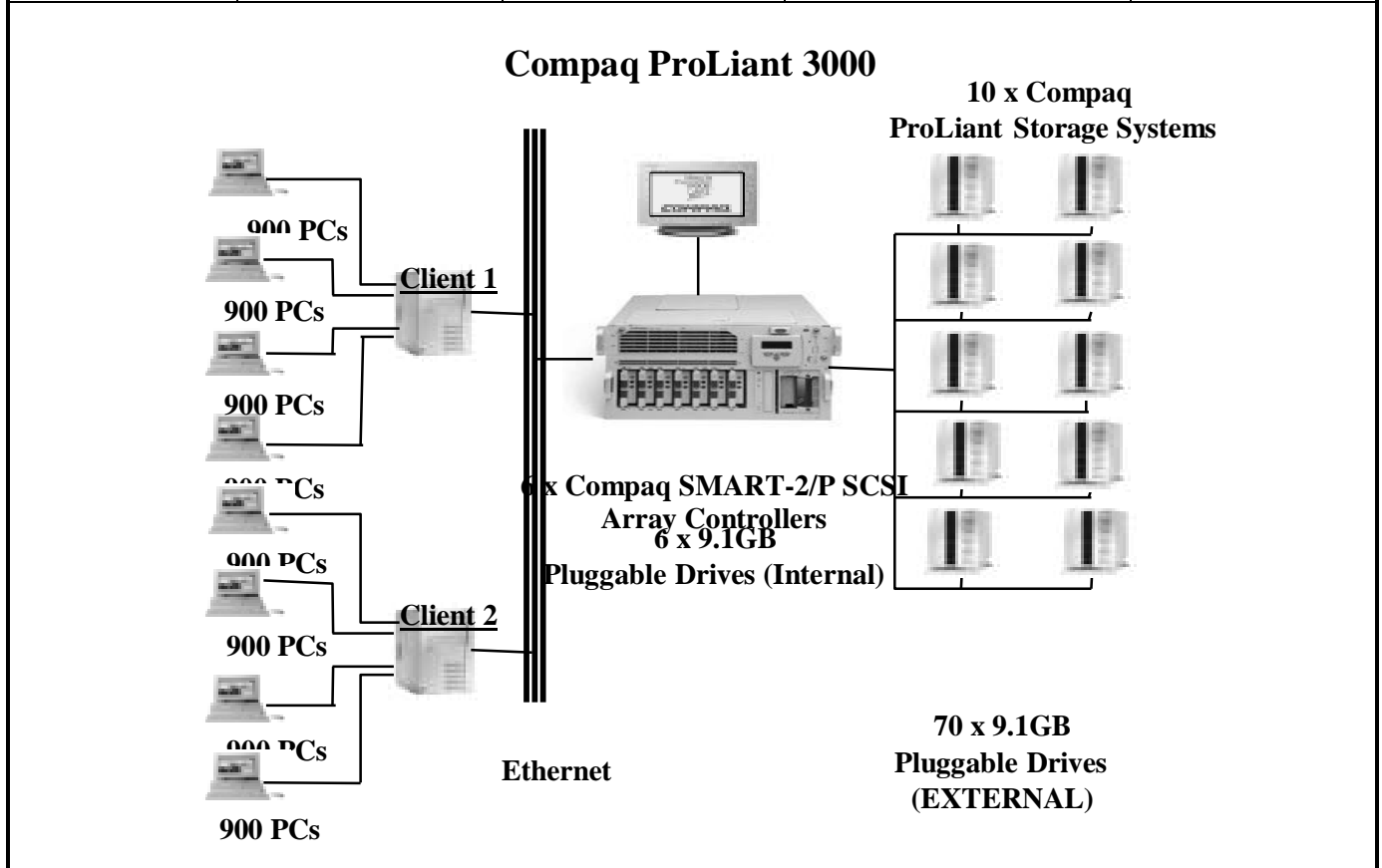


Compaq Computer Corporation		ProLiant 3000 (2P) C/S with 2 ProLiant 1600		TPC-C Rev. 3.3 Report Date: 05/8/1998					
Total System Cost		TPC-C Throughput		Price/Performance		Availability Date			
\$253,569		8,228.40		\$30.81		May 8, 1998			
Processors		Database Manager		Operating System		Other Software		Number of Users	
2 Pentium®II 333 MHz		Microsoft SQL Server 6.5 Enterprise Edition		Windows NT 4.0 Enterprise Edition		Tuxedo 6.3 CFS Microsoft Visual C++ MKS Toolkit for NT Microsoft SQL Toolkit		6,900	



System Components	Server		Each Client	
	Quantity	Description	Quantity	Description
Processor	2	333MHz Pentium®Pro w/ 512K Level 2 Cache	2	266MHz Pentium®Pro w/ 512K cache
Memory	1	3072MB	1	256MB
Disk Controllers	7	SMART-2/P SCSI Array Controller	1	Integrated Ultra SCSI Controller
Disk Drives	70	9.1GB SCSI-3 Drive	1	4.3GB SCSI-2 Drive
	6	9.1GB SCSI-3 Drive 10K RPM		
Total Storage		691.6 GB		
Tape Drives	1	4/16 TurboDAT		

Compaq Computer Corporation	ProLiant 3000 - 2P		TPC-C REV 3.3			
	Client/Server		Report Date:	8-May-98		
Description	Part Number	Third Party	Unit Price	Qty	Extended Price	5 yr. Maint. Price
Server Hardware						
Brand Pricing						
ProLiant 3000 Pentium II/333MHz - 512K Cache 10/100 Ethernet Controller 2 x Integrated Fast-SCSI-2 Controller CD-ROM, SmartStart	179740-001		4,300	1	4,300	
ProLiant Warranty Upgrade Onsite 5x8 4 Hr Response Maintenance	276535-000		1,075	1		1,075 6,448
6/333 - 512K Processor Expansion Kit	333555-B21		1,183	1	1,183	
512 MB DIMM Kit (2x256 MB)	306541-B21		3,224	6	19,344	
SMART-2DH SCSI Array Controller	295242-B21		2,129	6	12,771	
ProLiant Storage System - U1	304110-B21		1,505	10	15,050	
ProLiant Storage Warranty Upgrade	276537-001		430	10		4,300
9.1 GB Pluggable SCSI-3 Drive	313706-B21		1,117	70	78,185	See Note 4
9.1 GB Pluggable SCSI-3 Drive - 10,000 RPM	304865-B21		1,341	6	8,043	
Compaq VGA V50 Color Monitor	264150-001		256	1	256	
4/8GB DAT Drive	295353-B21		833	1	833	
Subtotal					139,964	11,823
Server Software						
Microsoft SQL Server 6.5 Enterprise		Microso 1	28,999	1	28,999	10,475
MKS Toolkit for NT			499	1	499	5 Yr WTY
Microsoft Visual C++ and Subscription Service		Microso 1	499	1	499	Incl Above
Microsoft Windows NT Enterprise v. 4.0		Microso 1	3,999	1	3,999	Incl Above
Subtotal					33,996	10,475
Client Hardware						
ProLiant 1600 6/266 - 64MB, 100TX Nic, 4.3G	292930-001		3,225	2	6,450	
ProLiant Warranty Upgrade Onsite 5x8 4 Hr Response Maintenance	276535-000		1,075	2	0	2,150 1,491
Pentium II 6/266 Processor Exp. Kit	149027-B21		1,048	2	2,096	
64-Megabyte EDO DIMM Kit	225483-001		368	6	2,206	
Netelligent Dual Port PCI NIC	242559-001		253	4	1,011	
Netelligent 10/100 UTP PCI NIC	169845-001		77	2	155	
Compaq VGA V50 Color Monitor	264150-001		256	2	512	
Subtotal					12,429	3,641
Client Software						
Microsoft Windows NT Server v. 4.0		Microso 1	809	2	1,618	Incl. Above
Microsoft SQL Toolkit		Microso 1	499	1	499	Incl. Above
BEA Tuxedo for NT		BEA 2	3,000	2	6,000	4,500
Subtotal					8,117	4,500
User Connectivity						
COMPEX MicroHub 5 PORT - 100TX Hub	DEH2604 Compe 3		181	3	543	See Note 4
LANtech 8-port 10BaseT Hub	DEH2648 Compe 3		29.25	960	28,080	See Note 4
Subtotal					28,623	0
Total					\$223,129	\$30,440
<p>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.</p> <p>(Pricing: 1 = Microsoft 2 = BEA 3 = Data Comm Warehouse) - Note 4 = 5 Year warranty with 10% Spares</p> <p>Note: The benchmark results and test methodology were audited by Lorna Livingtree of Performance Metrics, Inc.</p>				<p>Five-Year Cost of Ownership: \$253,569</p> <p>tpmC Rating: 8228.40</p> <p>\$ / tpmC: \$30.81</p>		

Numerical Quantities Summary

MQTH, Computed Maximum Qualified Throughput

8,228.40 tpmC

% throughput difference, reported & reproducibility runs

.01%

Response Times (in seconds)

Average

90%

Maximum

New-Order	1.34	2.17	13.93
Payment	0.77	1.31	4.70
Order-Status	1.05	1.68	6.48
Delivery (interactive portion)	0.69	1.18	3.40
Delivery (deferred portion)	0.82	1.66	4.48
Stock-Level	2.44	3.77	7.69
Menu	0.13	0.15	3.35

Transaction Mix, in percent of total transaction

New-Order	44.78%
Payment	43.04%
Order-Status	4.07%
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	18.01/0.00	18.00/12.79	18.39/128.43
Payment	3.01/0.00	3.00/12.79	3.32/128.41
Order-Status	2.01/0.00	2.01/10.77	2.18/107.00
Delivery (interactive)	2.01/0.00	2.01/5.38	2.19/48.30
Stock-Level	2.01/0.00	2.01/5.39	2.20/53.50

Test Duration

Ramp-up time	121 minutes
Measurement interval	30 minutes
Transactions (all types) completed during measurement interval	701,661
Ramp down time	15 minutes

Checkpointing

Number of checkpoints	1
Checkpoint interval	30 minutes