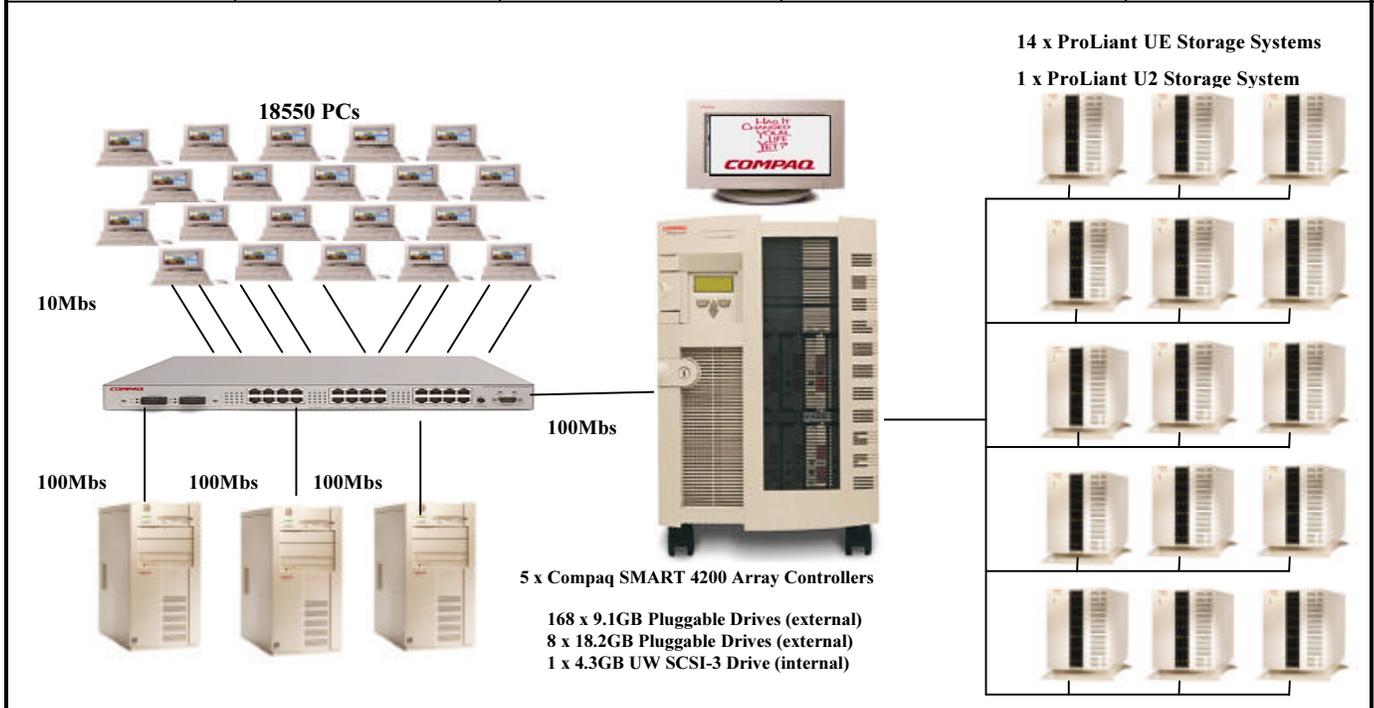


Compaq Computer Corporation		ProLiant 5500-500-2M C/S with 3 ProLiant 1600		TPC-C Rev. 3.4 Report Date: July 10, 1999					
Total System Cost		TPC-C Throughput		Price/Performance		Availability Date			
\$322,537		22057.45		\$14.62		Dec 31, 1999*			
Processors		Database		Operating System		Other Software		Number Users	
4 Pentium III Xeon 500 MHz		Microsoft SQL Server 7.0 Enterprise Edition		Windows NT 4.0 Enterprise Edition (SP4)		Microsoft Visual C++ MKS Toolkit for NT Microsoft COM+		18550	



System Components	Server		Each Client	
	Quantity	Description	Quantity	Description
Processor	4	500MHz Pentium III Xeon w/ 2MB Cache	2	500MhzPentium II w/ 512K cache
Memory	6	512MB	3	128MB
	2	64MB		
Disk Controllers	5	SMART SCSI Array Controller 4200	1	Integrated Ultra SCSI Controller
Disk Drives	168	9.1GB SCSI Drive	1	4.3GB SCSI Drive
	8	18.2GB SCSI Drive		
	1	4.3GB SCSI Drive		
Total Storage		1.6393 TeraBytes		4.3 GB
Tape Drives	1	4/16 TurboDAT		

* Hardware available August 15, 1999.

Compaq Computer Corporation		ProLiant 5500-500-2M Client/Server		TPC-C Rev. 3.4			
				Report Date:	10-Jul-99		
Description	Part Number	Third Party	Unit Price	Qty	Extended Price	5 yr. Maint. Price	
Server Hardware							
Brand Pricing							
ProLiant 5500-6/400-1	352300-001	1	5,152	1	5,152		
1 Pentium II Xeon/400MHz .5MB Cache							
2 x Integrated Fast-SCSI-3 Controller							
CD-ROM, 128MB							
10/100 Ethernet Controller							
ProLiant Xeon 500 - 2MB Processor Kit	352300-001	1	6,720	4	26,880		
512MB EDO DIMM Memory Kit (60ns)	241773-B21	1	1,677	6	10,060		
Compaq SMART Array Controller 4200	295636-B21	1	2,218	5	11,088		
ProLiant Storage System -UE	348710-002	1	1,903	14	26,640		
ProLiant Storage System -U2	304110-B22	1	1,859	1	1,859		
4.3GB Ultra Wide SCSI-3 Drive	349513-B21	1	469	1	469		
Compaq VGA V55 Color Monitor	308006-001	1	240	1	240		
4/8GB DAT Drive	295353-B21	1	703	1	703		
18GB Hot Plug Drives (10K)	336358-B21	1	1,388	8	11,101		
9.1GB Hot Plug Drives (7.2K)	313706-B21	1	503	168	84,484		
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	30		7,650	
Onsite 5x8 4 Hr Service Upgrade from Compaq Standard Service		Allstar	1			14,294	
Subtotal					178,677	23,138	
Server Software							
Microsoft SQL Server 7.0 Enterprise		Microsoft	2	28,999	1	28,999	10,475
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					33,497	10,475	
Client Hardware							
ProLiant 1600 6/500 - 128MB,100TX Nic	386746-001	1	2,685	3	8,054		
ProLiant 1600 6/500 Processor Option Kit	401268-B21	1	1,399	3	4,197		
128-Megabyte SD DIMM Kit	313615-B21	1	327	6	1,962		
Compaq VGA V55 Color Monitor	308006-001	1	240	3	719		
4.3GB Ultra Wide SCSI-3 Hard Drive	272577-001	1	469	3	1,408		
ProLiant Workgroup Server - Parts Exchange - 1 Year Service	FM-LOPRT-12	1	259	6		1,554	
		Allstar	1			1,307	
Subtotal					16,340	2,861	
Client Software							
Microsoft Windows 2000 Standard Edition		Microsoft	2	809	3	2,427	Incl. Above
MKS Toolkit for NT		MKS	1	499	1	499	5 Yr WTY
Subtotal					2,926	0	
User Connectivity							
Compaq Dual Speed Switch SW3322 (16K MAC addr) 8-port 10BaseT hub	355300-B21	1	1,679	4	6,716	See Note 1	
		Generic	1	29.00	2592	75,168	See Note 1
Subtotal					81,884	0	
Large Purchase and Cash discount	9.0%	1			(\$24,921)	(\$2,340)	
Total					\$288,402	\$34,134	
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: \$322,537			
				tpmC Rating: 22057.45			
				\$ / tpmC: \$14.62			
Pricing: 1=Allstar Systems 2= Microsoft							
Note 1 = 5 Year warranty with 10% Spares -							
Note: The benchmark results and test methodology were audited by Tom Sawyer of Performance Metrics, Inc.							

Numerical Quantities Summary

MQTH, Computed Maximum Qualified Throughput

22057.45 tpmC

% throughput difference, reported & reproducibility runs

0.01%

Response Times (in seconds)

	Average	90%	Maximum
New-Order	1.10	1.71	9.48
Payment	0.90	1.50	7.42
Order-Status	0.97	1.59	7.00
Delivery (interactive portion)	0.11	0.12	0.31
Delivery (deferred portion)	0.80	1.29	3.91
Stock-Level	3.43	4.50	10.29
Menu	0.11	0.12	0.56

Transaction Mix, in percent of total transaction

New-Order	44.80%
Payment	43.07%
Order-Status	4.05%
Delivery	4.05%
Stock-Level	4.04%

Emulation Delay (in seconds)

	Resp.Time	Menu
New-Order	0.1	0.1
Payment	0.1	0.1
Order-Status	0.1	0.1
Delivery (interactive)	0.1	0.1
Stock-Level	0.1	0.1

Keying/Think Times (in seconds)

	Min.	Average	Max.
New-Order	18.00/0.00	18.01/12.48	18.04/124.81
Payment	3.00/0.00	3.01/12.46	3.03/124.81
Order-Status	2.00/0.00	2.01/10.38	2.04/104.00
Delivery (interactive)	2.00/0.00	2.01/5.24	2.03/52.00
Stock-Level	2.00/0.00	2.01/5.22	2.03/51.99

Test Duration

Ramp-up time	33 minutes
Measurement interval	20 minutes
Transactions (all types) completed during measurement interval	984803
Ramp down time	34 minutes

Checkpointing

Number of checkpoints	1
Checkpoint interval	20 minutes