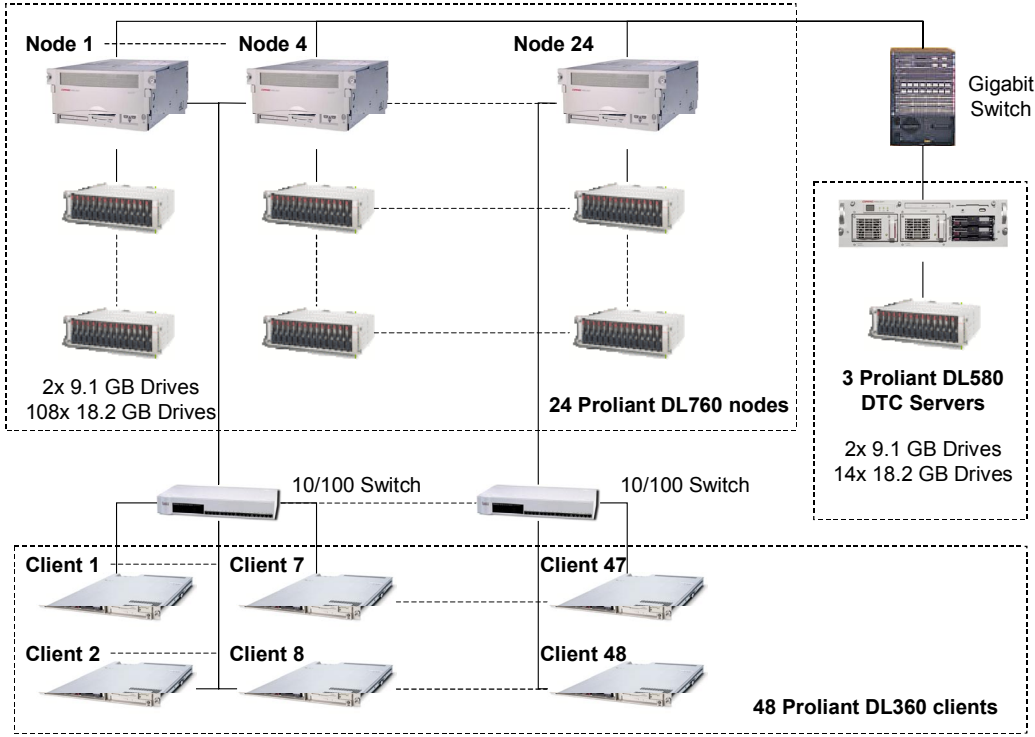


Compaq Computer Corporation		ProLiant DL760-900-192P Client/Server		TPC-C Rev. 5.0	
				Report Date: Sep 19, 2001	
Total System Cost		TPC-C Throughput		Price/Performance	
\$7,972,452		567,882.56 tpmC		\$14.04	
				Availability Date	
				Oct 15, 2001	
Processors		Database		Operating System	
192 - Xeon 900 MHz SQL 12 - Xeon 700 MHz DTC 96 - 800 MHz Clients		Microsoft SQL Server 2000 Enterprise Edition		Windows 2000 Advanced Server	
				Other Software	
				Microsoft Visual C++ Microsoft COM+	
				Number Users	
				456,000	



System Components	Qty	Each of 24 Database Servers	Qty	Each of 48 clients
Processor	8	900MHz Pentium III Xeon w/2MB cache	2	Pentium III 800Mhz/256K
Memory	16	512MB	4	128MB
Disk Controllers	5	Compaq SMART Array 5304 Controllers	1	Integrated SCSI RAID Controller
Disk Drives	2	9 GB 10K U2 SCSI Drives	1	9.1GB 10K Ultra2 SCSI Drive
	108	18GB 15K U3 SCSI Drives		
Total Storage		44.16 TeraBytes		
Tape Drive	1	12/24 GB DAT Drive		
System Components	Qty	Each of 3 DTC Servers		
Processor	4	700MHz Pentium III Xeon w/2MB cache		
Memory	4	128 MB		
Disk Controllers	1	Compaq SMART Array 5304 Controller		
Disk Drives	2	9 GB 10K U2 SCSI Drives		
	14	18GB 15K U3 SCSI Drives		

Compaq Computer Corporation		ProLiant DL760-900-192P			TPC-C Rev. 5.0		
Description		Part Number	Third Party	Unit Price	Qty	Extended Price	3 yr. Maint. Price
Server Hardware			Brand Pricing				
DL760 4xX900 2M 2GB	212692-001		1	45,400	24	1,089,600	
- 4 Pentium III Xeon/900MHz 2MB Cache							
X900 2M Processor Option	177666-B21		1	6,600	96	633,600	
1G-Memory Kit SDRAM	328808-B21		1	2,500	144	360,000	
Compaq SMART Array Controller 5304 - 4 SCSI Chan.	158939-B21		1	2,499	123	307,377	
StorageWorks Enclosure Model 4314R	190209-001		1	2,955	171	505,305	
StorageWorks Enclosure Model 4354	190211-001		1	3,523	24	84,552	
S510 Color Monitor - Carbon - 15 inch CRT	168636-002		1	189	27	5,103	
12/24-Gigabyte DAT Drive (Internal)	295513-B22		1	682	1	682	
Compaq Rack Model 9142 (42U - Opal) - Flat Pallet	120663-B21		1	1,352	24	32,448	
Baying Kit - 9000 Series racks (36U and 42U)	120669-B21		1	85	23	1,955	
Side Panel Kit - 9142 Rack	120670-B21		1	212	1	212	
R3000 UPS	242705-001		1	1,431	27	38,637	
ProLiant DL580R X700 2MB 512	155618-001		1	11,899	3	35,697	
XN700 2M S2 Processor Kit	174449-B21		1	3,099	6	18,594	
9.1GB Pluggable Wide Ultra SCSI 3 Universal 10K Drive	142671-B22		1	319	54	17,226	
18.2 GB Hot-Plug Wide U3 15K 1"	188122-B22		1	679	2634	1,788,486	
NC6134 Gigabit NIC 64 PCI 1000 SX	174818-B21		1	625	27	16,875	
Server Keyboard	296435-006		1	14	27	378	
Compaq Scroll Mouse	170299-B21		1	23	27	621	
9.1GB Pluggable Wide SCSI 3 10K Drive (10% Spares)	142671-B22		1	319	6		1,914
18.2 GB Hot-Plug Wide U3 15K 1" (10% Spares)	188122-B22		1	679	264		179,256
CarePaq Service - Depart. Servers 3Yr,7x24,4hr Resp.	FM-MI724-36		1	1,795	3		5,385
CarePaq Service - High End Servers 3Yr,7x24,4hr Resp.	FM-HE724-36		1	3,390	24		81,360
CarePaq Service - 42xx/43xx Enclosure 3Yr,7x24,4hr Resp.	FM-4E724-36		1	157	195		30,615
Subtotal						4,937,348	298,530
Server Software							
Microsoft SQL Server 2000 Enterprise	810-00945	Microsoft	2	15,802	192	3,033,984	150,840
Microsoft Visual C++ 6.0	048-00317	Microsoft	2	549	1	549	Incl Above
Microsoft Windows 2000 Advance Server	C10-00475	Microsoft	2	2,399	24	57,576	Incl Above
Microsoft Windows 2000 Server	C11-00821	Microsoft	2	738	3	2,214	Incl. Above
Subtotal						3,094,323	150,840
Client Hardware							
ProLiant DL360R P800/133 128MB M1	161080-001		1	2,273	48	109,104	
PIII 800/133-256 Processor kit	161084-B21		1	366	48	17,568	
ProLiant DL360R P933/133 128MB M1	210645-001		1	2,249	0	0	
PIII 933/133-256 Processor kit	210647-B21		1	649	0	0	
128 MB 133 DIMM	128277-B21		1	125	144	18,000	
Compaq Rack Model 9142 (42U - Opal) - Flat Pallet	120663-B21		1	1,352	2	2,704	
Baying Kit - 9000 Series racks (36U and 42U)	120669-B21		1	85	2	170	
S510 Color Monitor - Carbon - 15 inch CRT	168636-002		1	189	48	9,072	
9.1GB Pluggable Wide Ultra SCSI 3 Universal 10K Drive	142671-B22		1	319	48	15,312	
Server Keyboard	296435-006		1	14	48	672	
Compaq Scroll Mouse	170299-B21		1	23	48	1,104	
CarePaq Service - Entry Level Servers 3Yr,7x24,4hr Resp.	FM-EL724-36		1	750	48		36,000
Subtotal						173,706	36,000
Client Software							
Microsoft Windows 2000 Server	C11-00821	Microsoft	2	738	48	35,424	Incl. Above
Subtotal						35,424	0
Connectivity							
LinkSys 16 Port 10/100 Switch DSSX16	387226	LinkSys	3	399	6	2,391	See Note 1
Cisco Catalyst 6500 Gigabit ethernet switch		Cisco	4	88,975	1	88,975	31,200
Subtotal						91,366	31,200
Large Purchase and Cash discount	16.0%		1			(\$817,769)	(\$58,517)
Total						\$7,514,399	\$458,053
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.						3-Year Cost of Ownership: \$7,972,452	
						tpmC Rating: 567,882.56	
						\$/ tpmC: \$14.04	
Pricing: 1=Compaq Computer Corporation 2= Microsoft 3=ecost.com 4=Cisco							
Note 1 = 3 Year warranty with 10% Spares -							
Note: The benchmark results and test methodology were audited by Loma Livingtree of Performance Metrics, Inc.							

Numerical Quantities Summary

MQTH, Computed Maximum Qualified Throughput **567,882.56 tpmC**

Response Times (in seconds)	Average	90%	Maximum
New-Order	0.43	0.63	234.01
Payment	0.32	0.52	223.05
Order-Status	0.32	0.51	147.68
Delivery (interactive portion)	0.12	0.11	79.22
Delivery (deferred portion)	0.31	0.41	215.02
Stock-Level	1.28	1.64	226.55
Menu	0.12	0.11	79.25

Transaction Mix, in percent of total transaction

New-Order	44.83%
Payment	43.05%
Order-Status	4.04%
Delivery	4.04%
Stock-Level	4.04%

Emulation Delay (in seconds)

	Resp.Time	Menu
New-Order	0.10	0.10
Payment	0.10	0.10
Order-Status	0.10	0.10
Delivery (interactive)	0.10	0.10
Stock-Level	0.10	0.10

Keying/Think Times (in seconds)

	Min.	Average	Max.
New-Order	18.00/0.00	18.02/12.11	18.08/121.12
Payment	3.00/0.00	3.02/12.11	3.08/121.12
Order-Status	2.00/0.00	2.02/10.10	2.06/101.01
Delivery (interactive)	2.00/0.00	2.02/5.08	2.07/50.71
Stock-Level	2.00/0.00	2.02/5.07	2.06/50.71

Test Duration

Ramp-up time	120 minutes
Measurement interval	120 minutes
Transactions (all types) completed during measurement interval	151,995,158
Ramp down time	28 minutes

Checkpointing

Number of checkpoints	4
Checkpoint interval	30 minutes