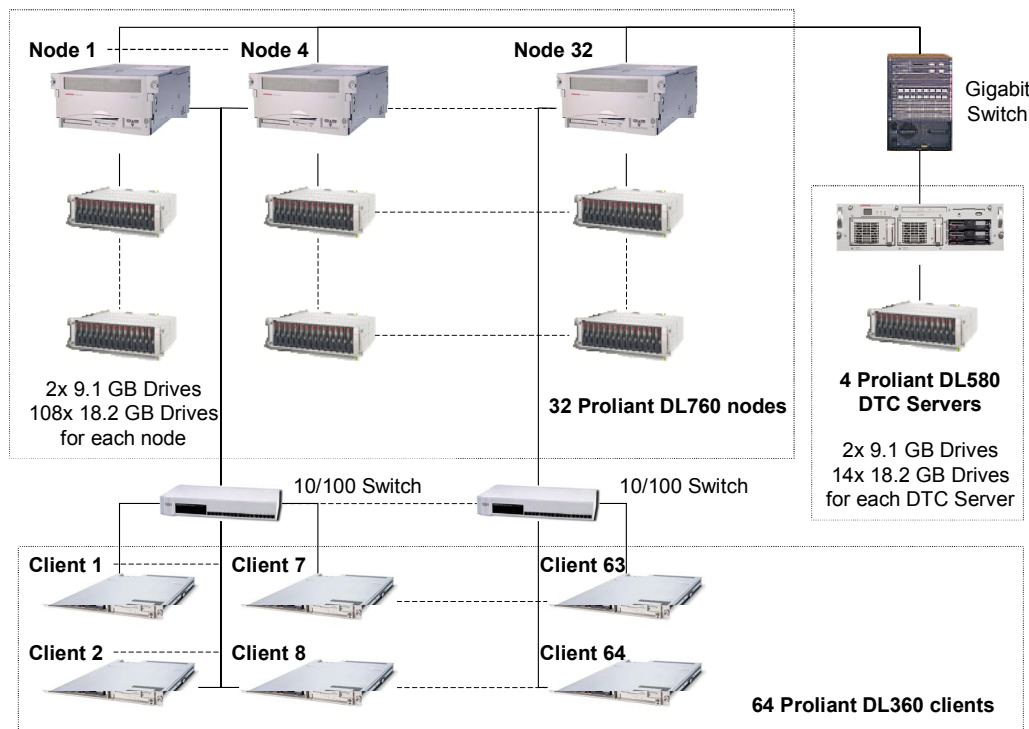


Compaq Computer Corporation		ProLiant DL760-900-256P Client/Server		TPC-C Rev. 5.0	
				Report Date: Sep 19, 2001	
Total System Cost		TPC-C Throughput		Price/Performance	
\$10,603,803		709,220.08 tpmC		\$14.96	
Availability Date		Processors		Database	
Oct 15, 2001		Operating System		Other Software	
256 -Xeon 900 MHz SQL 16 - Xeon 700 MHz DTC 96 - 800 MHz Clients 32 - 933 MHz Clients		Windows 2000 Advanced Server		Microsoft Visual C++ Microsoft COM+	
				576,000	



System Components	Qty	Each of 32 Database Servers	Qty	Each of first 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		58.69 TeraBytes		
Tape Drive	1	12/24 GB DAT Drive		
System Components	Qty	Each of 4 DTC Servers	Qty	Each of last 16 clients
Processor	4	700MHz Pentium III Xeon w/2MB cache	2	Pentium III 933Mhz/256K
Memory	4	128 MB	4	128MB
Disk Controllers	1	Compaq SMART Array 5304 Controller	1	Integrated SCSI RAID Controller
Disk Drives	2	9 GB 10K U2 SCSI Drives	1	9.1GB 10K Ultra2 SCSI Drive
	14	18GB 15K U3 SCSI Drives		

Compaq Computer Corporation	ProLiant DL760-900-256P		TPC-C Rev. 5.0				
	Client/Server		Report Date:		19-Sep-01		
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	32	1,452,800		
- 4 Pentium III Xeon/900MHz 2MB Cache							
X900 2M Processor Option	177666-B21	1	6,600	128	844,800		
1G-Memory Kit SDRAM	328808-B21	1	2,500	192	480,000		
Compaq SMART Array Controller 5304 - 4 SCSI Chan.	158939-B21	1	2,499	164	409,836		
StorageWorks Enclosure Model 4314R	190209-001	1	2,955	228	673,740		
StorageWorks Enclosure Model 4354	190211-001	1	3,523	32	112,736		
S510 Color Monitor - Carbon - 15 inch CRT	168636-002	1	189	36	6,804		
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	32	43,264		
Baying Kit - 9000 Series racks (36U and 42U)	120669-B21	1	85	31	2,635		
Side Panel Kit - 9142 Rack	120670-B21	1	212	1	212		
R3000 UPS	242705-001	1	1,431	36	51,516		
ProLiant DL580R X700 2MB 512	155618-001	1	11,899	4	47,596		
XN700 2M S2 Processor Kit	174449-B21	1	3,099	8	24,792		
9.1GB Pluggable Wide Ultra SCSI 3 Universal 10K Drive	142671-B22	1	319	72	22,968		
18.2 GB Hot-Plug Wide U3 15K 1"	188122-B22	1	679	3512	2,384,648		
NC6134 Gigabit NIC 64 PCI 1000 SX	174818-B21	1	625	36	22,500		
Server Keyboard	296435-006	1	14	36	504		
Compaq Scroll Mouse	170299-B21	1	23	36	828		
9.1GB Pluggable Wide SCSI 3 10K Drive (10% Spares)	142671-B22	1	319	8		2,552	
18.2 GB Hot-Plug Wide U3 15K 1" (10% Spares)	188122-B22	1	679	352		239,008	
CarePaq Service - Depart. Servers 3Yr,7x24,4hr Resp.	FM-MI724-36	1	1,795	4		7,180	
CarePaq Service - High End Servers 3Yr,7x24,4hr Resp.	FM-HE724-36	1	3,390	32		108,480	
CarePaq Service - 42xx/43xx Enclosure 3Yr,7x24,4hr Resp.	FM-4E724-36	1	157	260		40,820	
				Subtotal	6,582,861	398,040	
Server Software							
Microsoft SQL Server 2000 Enterprise	810-00945	Microsoft	2	15,802	256	4,045,312	201,120
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	32	76,768	Incl Above
Microsoft Windows 2000 Server	C11-00821	Microsoft	2	738	4	2,952	Incl. Above
				Subtotal	4,125,581	201,120	
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	16	35,984		
PIII 933/133-256 Processor kit	210647-B21	1	649	16	10,384		
128 MB 133 DIMM	128277-B21	1	125	192	24,000		
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	64	12,096		
9.1GB Pluggable Wide Ultra SCSI 3 Universal 10K Drive	142671-B22	1	319	64	20,416		
Server Keyboard	296435-006	1	14	64	896		
Compaq Scroll Mouse	170299-B21	1	23	64	1,472		
CarePaq Service - Entry Level Servers 3Yr,7x24,4hr Resp.	FM-EL724-36	1	750	64		48,000	
				Subtotal	234,794	48,000	
Client Software							
Microsoft Windows 2000 Server	C11-00821	Microsoft	2	738	64	47,232	Incl. Above
				Subtotal	47,232	0	
Connectivity							
LinkSys 16 Port 10/100 Switch DSSX16	387226	LinkSys	3	399	8	3,188	See Note 1
Cisco Catalyst 6500 Gigabit ethernet switch		Cisco	4	98,970	1	98,970	31,200
				Subtotal	102,158	31,200	
Large Purchase and Cash discount	16.0%	1					
					(\$1,090,825)	(\$76,358)	
				Total	\$10,001,802	\$602,002	
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:		\$10,603,803	
				tpmC Rating:		709,220.08	
				\$ / tpmC:		\$14.96	
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 Lorna Livingtree of Performance Metrics, Inc.							

Numerical Quantities Summary

MQTH, Computed Maximum Qualified Throughput **709,220.08 tpmC**

Response Times (in seconds)	Average	90%	Maximum
New-Order	0.67	1.19	19.97
Payment	0.58	1.09	18.88
Order-Status	0.58	1.10	18.18
Delivery (interactive portion)	0.12	0.11	11.36
Delivery (deferred portion)	0.29	0.38	6.22
Stock-Level	1.45	2.12	18.28
Menu	0.13	0.11	11.61

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	18.08/121.13
Payment	3.00/0.00	3.02/12.11	3.09/121.13
Order-Status	2.00/0.00	2.02/10.10	2.08/101.02
Delivery (interactive)	2.00/0.00	2.02/5.08	2.07/50.72
Stock-Level	2.00/0.00	2.02/5.07	2.07/50.72

Test Duration

Ramp-up time	122 minutes
Measurement interval	120 minutes
Transactions (all types) completed during measurement interval	189,830,743
Ramp down time	30 minutes

Checkpointing

Number of checkpoints	4
Checkpoint interval	30 minutes