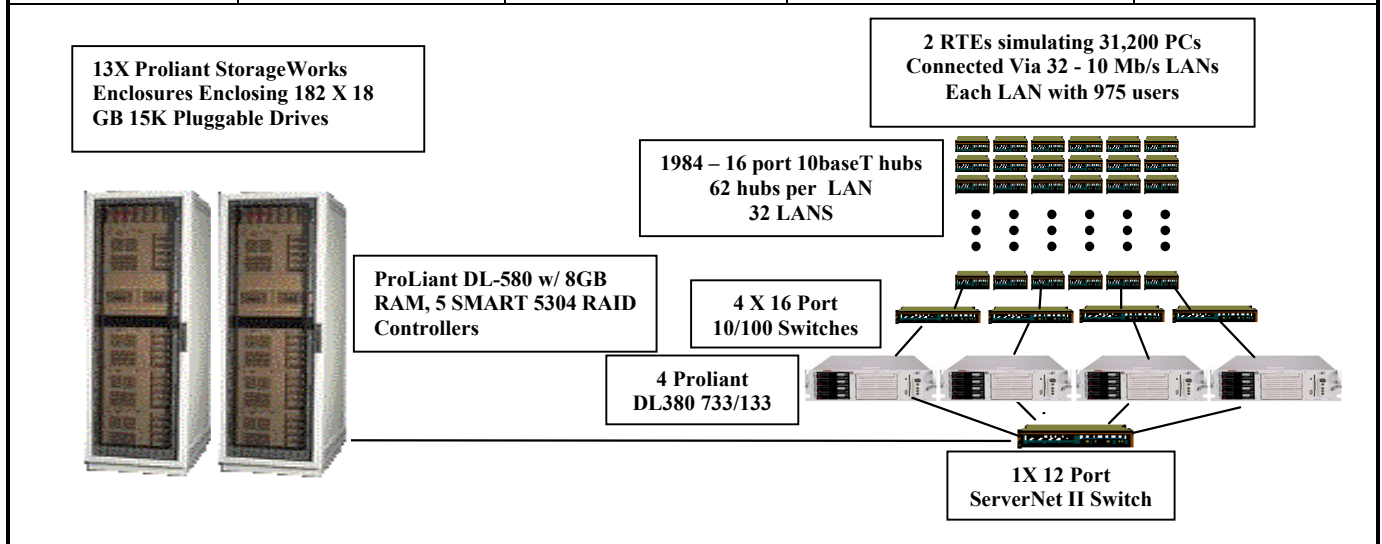


Compaq Computer Corporation	Proliant DL-580 6/900	TPC-C Rev. 3.5
	C/S with 4 ProLiant DL380R	Report Date: Apr. 20, 2001

Total System Cost	TPC-C Throughput	Price/Performance	Availability Date
<b>\$489,900</b>	<b>38639.77</b>	<b>\$12.67</b>	<b>April 20, 2001</b>

Processors	Database Manager	Operating System	Other Software	Number of Users
4 Pentium III Xeon 900 MHz	Microsoft SQL Server 2000 Enterprise Edition	Windows 2000 Advanced Server	Microsoft Visual C++ Microsoft COM+ MKS Toolkit	<b>31200</b>



	Server		Each Client	
System Components	Quantity	Description	Quantity	Description
Processor	4	900MHz Pentium III Xeon w/ 2MB Cache	2	733MhzPentium III w/ 256K cache
Memory	16	512MB	4	128MB
Disk Controllers	5	SMART 5304 Array Controller	1	Integrated Ultra SCSI Controller
Disk Drives	182	18GB SCSI Drives	1	9.1GB SCSI Drive
	1	9.1GB SCSI Drive		
Total Storage		3.01198 Terabytes		9.1GB
Tape Drives	1	20/40GB DAT		

Compaq Computer Corporation		DL580R 6/900		TPC-C Rev. 3.5			
Client/Server		Report Date:		20-Apr-01			
Description	Part Number	Third Party	Unit Price	Qty	Extended Price	5 yr. Maint. Price	
<b>Server Hardware</b>							
Compaq ProLiant DL-580 6/900	155618-003	Brand Pricing	20,539	1	20,539		
2 Pentium III Xeon 900MHz/100-2MB Processor							
512MB registered 100MHz SDRAM DIMM							
- CD-ROM 24X Integrated RAID							
Pentium III Xeon 900/100-2MB Processor Option Kit	222627-B21	1	6,600	2	13,200		
2GB SDRAM (4x512) memory kit	189082-B21	1	5,796	4	23,184		
Deskpro Easy Access Keyboard	122660-006	1	44	1	44		
Intellimouse 2-Button Scroll Accs PS2 Mechanical	170299-B21	1	23	1	23		
9.1-GB Pluggable Ultra3 SCSI 10K 1" Universal HDD	142671-B22	1	431	1	431		
Compaq SMART Array Controller 5304	158939-B21	1	2,449	5	12,245		
StorageWorks Enclosure Model 4314	190209-001	1	2,955	12	35,460		
StorageWorks Enclosure Model 4354	190211-001	1	3,523	1	3,523		
Compaq S510 Color Monitor	168636-001	1	179	1	179		
20/40-Gigabyte DAT Drive (External)	157770-001	1	1,250	1	1,250		
UPS R3000 XR Low Voltage	192186-001	1	1,703	1	1,703		
18.2-GB Pluggable Ultra3 SCSI 15K 1" Universal HDD	188122-B22	1	953	182	173,446		
ServerNet II PCI Adapter	174736-B21	1	996	1	996		
ServerNet II 12 Port Switch	174739-B21	1	5,000	3	15,000		
Compaq Rack Model 9142 (42U - Opal) - Flat Pallet	120663-B21	1	1,352	2	2,704		
Side Panel Kit - 9142 Rack	120670-B21	1	212	1	212		
Baying Kit - 9000 Series racks (36U and 42U)	120669-B21	1	85	1	85		
ProLiant Enterprise Server - Parts Exchange - 1 Year	PES-PE-1Y-SU	1	597	2		1,194	
ProLiant Storage System - Parts Exchange - 1 Year	PSS-PE-1YEAR	1	255	26		6,630	
Onsite 5x8 4 Hr Service Upgrade from Compaq Standard Service	OS-8X5X4-S Amherst	1				24,338	
					<b>Subtotal</b>	<b>304,224</b>	<b>32,162</b>
<b>Server Software</b>							
Microsoft SQL Server 2000 Enterprise Edition (per processor)	810-00846	Microsoft	2	16,541	4	66,164	10,475
Microsoft Visual C++ 6.0	048-00317	Microsoft	2	549	1	549	Incl Above
Microsoft Windows 2000 Advanced Server	C10-00475	Microsoft	2	2,399	1	2,399	Incl Above
MKS ToolKit	187626	MKS	3	250	1	250	5 Year Warr.
					<b>Subtotal</b>	<b>69,362</b>	<b>10,475</b>
<b>Client Hardware</b>							
Compaq ProLiant DL380R P733/133-128MB Integrated 10/100	157829-001	1	4,319	4	17,276		
Pentium III 733MHz 256K processor kit	161083-B21	1	398	4	1,592		
512MB Registered 133MHz SDRAM DIMM	128279-B21	1	1,205	4	4,820		
ServerNet II PCI Adapter	174736-B21	1	996	4	3,984		
Compaq S510 Color Monitor	168636-001	1	179	4	716		
9.1-GB Pluggable Ultra3 SCSI 10K 1" Universal HDD	142671-B22	1	431	4	1,724		
Deskpro Easy Access Keyboard	122660-006	1	44	4	176		
Intellimouse 2-Button Scroll Accs PS2 Mechanical	170299-B21	1	23	4	92		
ProLiant Workgroup Server - Parts Exchange - 1 Year	FM-LOPRT-12	1	259	8		2,072	
Onsite 5x8 4 Hr Service Upgrade from Compaq Standard Service	OS-8X5X4-SU Amherst	1				2,430	
					<b>Subtotal</b>	<b>30,380</b>	<b>4,502</b>
<b>Client Software</b>							
Microsoft Windows 2000 Server	C11-00821	Microsoft	2	738	4	2,952	Incl. Above
					<b>Subtotal</b>	<b>2,952</b>	<b>0</b>
<b>User Connectivity</b>							
Linksys EtherFast II 10/100 16-port Switch	EF2S16	Linksys	3	264	6	1,584	See Note 1
ARK 17 port 10 Mbps 16xRJ45 + 1 BNC	CT1017D1	ArkPC	4	31.00	2183	67,673	See Note 1
					<b>Subtotal</b>	<b>69,257</b>	<b>0</b>
Large Purchase and Cash discount	9.0%	1				(\$30,114)	(\$3,300)
					<b>Total</b>	<b>\$446,061</b>	<b>\$43,840</b>
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.				<b>Five-Year Cost of Ownership: \$489,900</b>			
				<b>tpmC Rating: 38639.77</b>			
				<b>\$ / tpmC: \$12.67</b>			
Pricing: 1=Amherst Systems 2= Microsoft 3= PC Connection 4= ArkPC							
Note 1 = 5 Year warranty with 10% Spares -							
Note: The benchmark results and test methodology were audited by Lorna Livingfree of Performance Metrics, Inc.							

## Numerical Quantities Summary

**MQTH, Computed Maximum Qualified Throughput**

**38639.77 tpmC**

% throughput difference, reported & reproducibility runs

0.297%

### Response Times (in seconds)

	Average	90%	Maximum
New-Order	0.28	0.40	5.17
Payment	0.48	1.02	10.45
Order-Status	0.18	0.23	4.99
Delivery (interactive portion)	0.10	0.11	0.46
Delivery (deferred portion)	0.21	0.36	0.67
Stock-Level	1.19	1.62	5.83
Menu	0.10	0.11	0.98

### Transaction Mix, in percent of total transaction

New-Order	44.93%
Payment	43.05%
Order-Status	4.00%
Delivery	4.02%
Stock-Level	4.00%

### 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	18.02/12.29	18.03/122.91
Payment	3.00/0.00	3.02/12.27	3.03/122.91
Order-Status	2.00/0.00	2.02/10.30	2.02/102.50
Delivery (interactive)	2.00/0.00	2.02/5.14	2.02/51.50
Stock-Level	2.00/0.00	2.02/5.17	2.02/51.50

### Test Duration

Ramp-up time	36 minutes
Measurement interval	30 minutes
Transactions (all types) completed during measurement interval	2,580,219
Ramp down time	49 minutes

### Checkpointing

Number of checkpoints	1
Checkpoint interval	30 minutes