



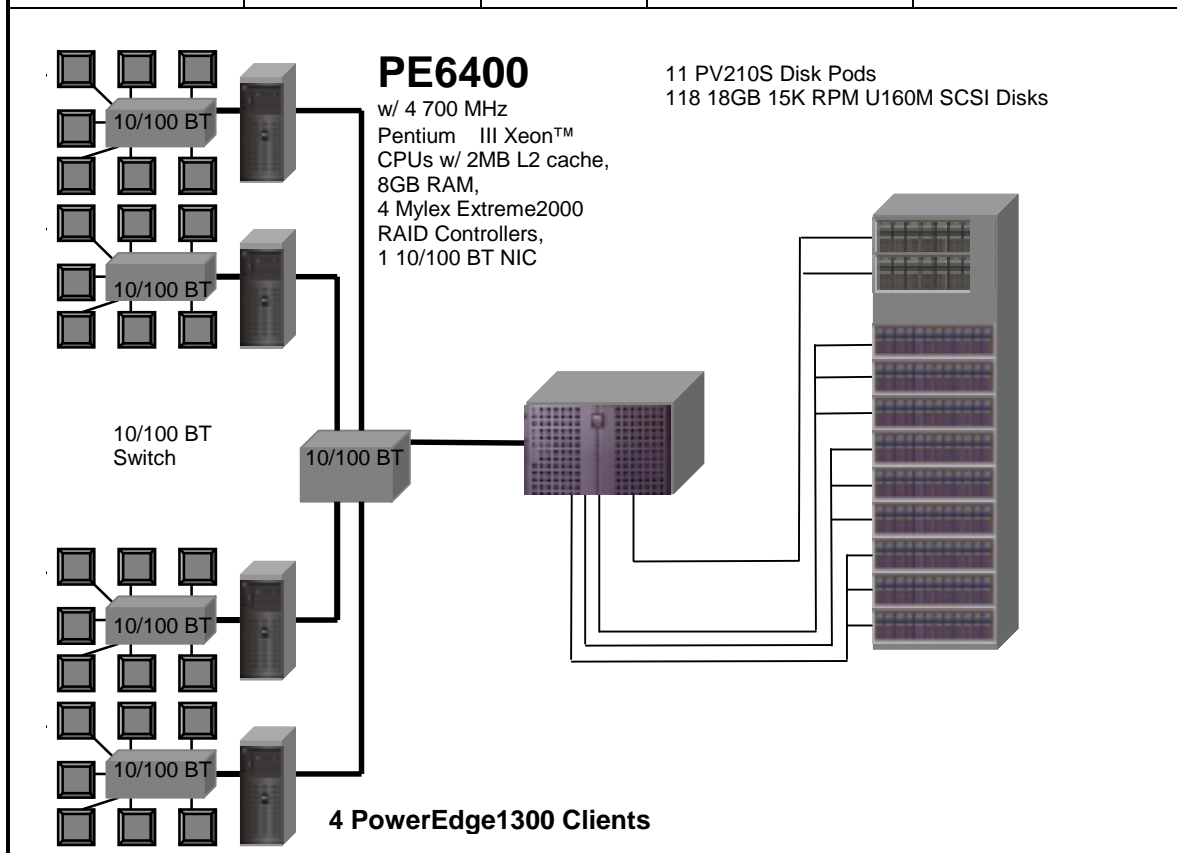
PowerEdge 6400

Client/Server w/4 PE1300 Front Ends

TPC-C Rev 3.5
Report Date
Apr 20, 2001

Total System Cost	TPC-C Throughput	Price/Performance	Availability Date
\$314,866	30,231.37 tpmC	\$10.42/ tpmC	Oct 23, 2000

Processors	Database Manager	OS	Other Software	Number of Users
4 x Pentium III Xeon™ Processors 700 MHz 2MB L2 Cache	Microsoft SQL Server 2000 Enterprise Edition	Microsoft Windows 2000 Advanced Server	Windows 2000 Server w/ COM+ Internet Information Server 5.0 Microsoft Visual C++	24,320



System Component	Server		Each Client	
Processors	4	Pentium III Xeon™ @ 700MHz	1	Pentium III w/ 512 KB L2
Cache		2MB		3 clients @ 600MHz, 1 @ 550
Memory		8192 MB		512 MB
Disk Controllers	4	Mylex ExtremeRAID 2000	1	Adaptec On-Board
	2	Adaptec On-Board		
Disk Drives	118	18 GB SCSI (16.758GB useable)	1	9 GB
	1	9 GB SCSI (8.195GB useable)		
Total Storage		2,052 GB		9 GB
Other	1	10/100 BT NIC	1	
	1	CD-ROM	1	
	1	Internal DAT	1	

Description	Part Number	Third Party	Unit Price	Qty	Extended Price	5 yr. Maint. Price
Server Hardware						
Dell PowerEdge 6400	220-0660	Brand		1	6,133	1,999
Pentium III Xeon 700 MHz / 2MB L2 - 4 processors	311-0834	Pricing		1	8,355	0
8 GB RAM, 16 x 512MB DIMMS	311-4118			1	14,337	0
6 Bay HD Back Plane	311-0485			1	249	0
9 GB U160M SCSI 10K RPM Hard Drive	340-8805			1	249	0
Intel Pro 100+ NIC	430-0222	Intel		1	59	0
Tape Backup Unit	340-7418			1	799	0
Dell 15" Monitor	320-0077			1	149	0
Extreme RAID 2000 PCI SCSI 4 channel RAID controller***	E2000-4-32NB	Mylex		3	1,872	0
Back-UPS Office 650	001332	APC		1	200	935
				Subtotal	44,162	2,934
PowerVault Disk Subsystem						
PV210S, U3 SCSI, PS, Rack mount	220-4099, etc.			1	2,399	15,554
SCSI Cables	310-0313			1	49	0
18 GB U160M SMRT SCSI 15K RPM Hard Drive *	340-3232			1	739	0
42U Rack	220-0605			1	1,683	0
				Subtotal	118,769	15,554
Server Software						
SQL Server 2000 Ent Edition, Per processor licensing **		Microsoft		2	16,541	10,475
Windows 2000 Advanced Server, 25 Client Licenses **		Microsoft		2	2,399	0
				Subtotal	68,563	10,475
Client Hardware						
Dell PowerEdge 1300, 600 MHz Pentium III w/ 512KB L2****	220-2331			1	804	5,053
Dell PowerEdge 1300, 550 MHz Pentium III w/ 512KB L2****	220-2331			1	804	1,683
512MB RAM, 2 DIMMs	311-1194			1	587	0
9GB LVD SCSI Hard Drive,	340-1963			1	249	0
Ether Express PRO 100+ Ethernet Adapter	430-0222	Intel		1	59	0
Dell 15" Monitor	320-1502			1	149	0
				Subtotal	7,628	6,740
Client Software						
Windows 2000 Server, 5 Client Licenses **		Microsoft		2	738	0
Visual C++ Professional 6.0 Win32 **		Microsoft		2	549	0
				Subtotal	3,501	0
User Connectivity						
8 Port Ethernet Switch ***	CT2208D3	ArkPC		4	61	0
ARK 17 port 10Mbps 16rj45 + 1 BNC ***	CT1017D1	ArkPC		4	31	0
				Subtotal	52,817	0
				Other Discounts	(\$16,277)	0
				Total	\$279,163	\$35,703

Notes: * Maint. included in PowerVault 210S disk pod or PV650F/630F fibre channel disk pod ** All Microsoft maintenance is covered by the maintenance costs of Microsoft SQL Server *** 10% or minimum 2 spares are added in place of onsite service (products have a five year return-to-vendor warranty) Pricing: 1 - Dell 2 - Microsoft 3 - Mylex 4 - ArkPC 5 - MicroBarn **** Substituted with PE1400SC/866Mhz/P3/256K L2 Audited by Tom Sawyer, Performance Metrics Inc.	Five-Year Cost of Ownership: \$314,866 tpmC Rating: 30231.00 \$ / tpmC: 10.42
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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 specifications. If you find that the stated prices are not available according to these items, please inform the TPC at pricing@tpc.org.

MQTh, computed Maximum Qualified Throughput 30,231.37
 % throughput difference, reported & reproducibility runs tpmC 0.47%

Response Times (in seconds)	Average	90th	Max
- Neworder	0.48	0.86	5.54
- Payment	0.38	0.76	2.73
- Order Status	0.41	0.79	5.45
- Delivery (interactive portion)	0.16	0.34	1.30
- Delivery (deferred portion)	0.32	0.55	1.86
- Stock-Level	1.37	2.18	5.12
- Menu	0.17	0.35	1.32

Response time delay added for emulated components Menu 0.1
 Resp 0.1

Transaction Mix, in percent of total transactions

- New-Order	44.84%
- Payment	43.02 %
- Order-Status	4.04 %
- Delivery	4.05 %
- Stock-Level	4.05 %

Keying/Think Times (in seconds),

	Min		Average		Max	
- New-Order	18.01	0.0	18.02	12.04	18.05	120.41
- Payment	3.01	0.0	3.02	12.04	3.02	120.41
- Order-Status	2.01	0.0	2.02	10.02	2.04	100.41
- Delivery	2.01	0.0	2.02	5.06	2.05	50.40
- Stock-Level	2.01	0.0	2.02	5.06	2.04	50.40

Test Duration

- Ramp-up time	5 minutes
- Measurement interval	30 minutes
- Number of checkpoints	1
- Checkpoint interval	30 minutes
- Number of transactions (all types) completed in measurement interval	2,104,156