



PowerEdge 6100

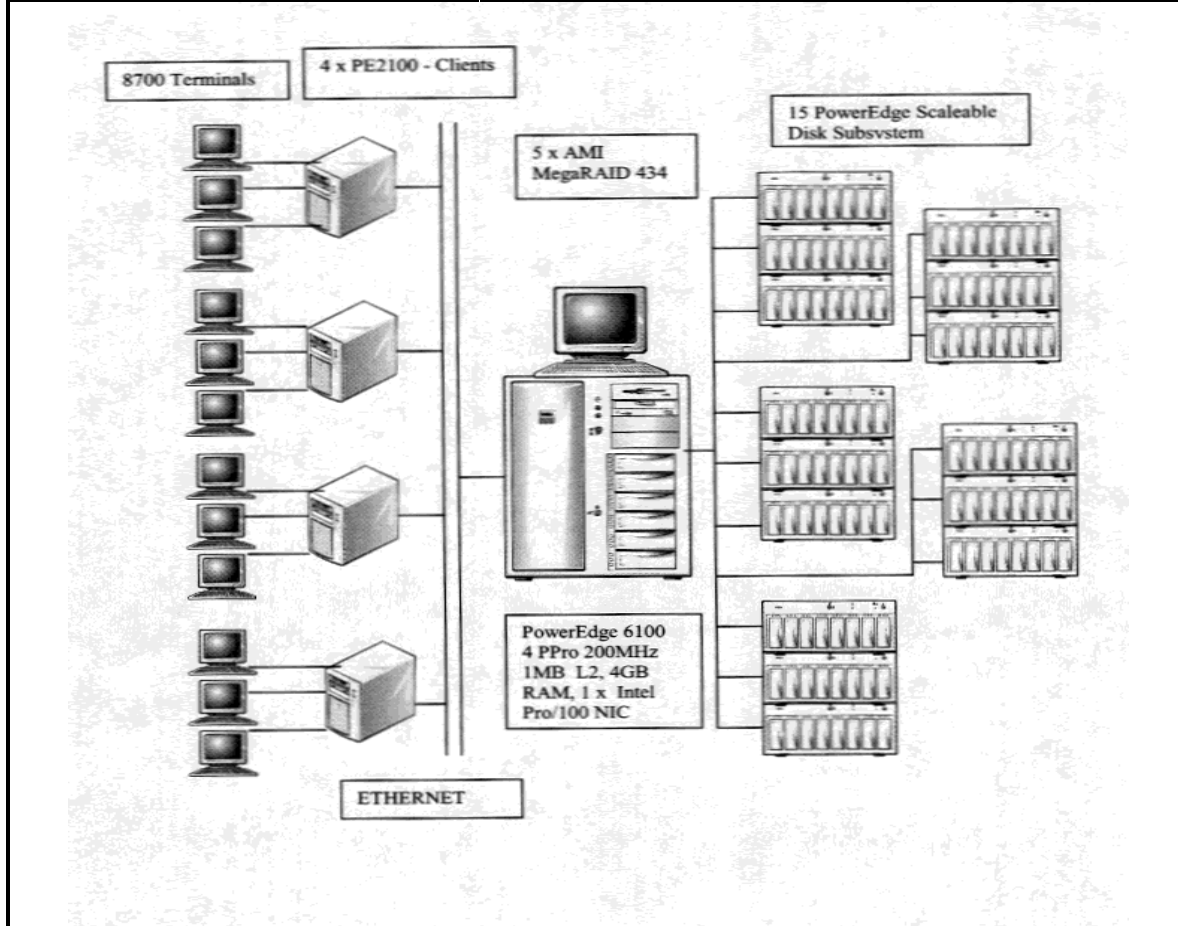
Client/Server w/4 PE2100 Front Ends

TPC-C Rev 3.3.2

Report Date

Oct 12, 1997

Total System Cost	TPC-C Throughput	Price/Performance	Availability Date
\$444,335	10537.53 tpmC	\$42.16 /tpmC	Nov 30, 1997
Processors	Database Manager	OS	Other Software
4 x Pentium® Pro Processors 200 MHz 1MB L2 Cache	Microsoft SQL Server 6.5 Enterprise Edition	Microsoft WindowsNT Server4.0 Enterprise Edition	Tuxedo 6.3 CFS Microsoft Internet Information Server Microsoft Visual C++
Number of Users			
8700			



System Component	Server		Each Client	
Processors	4	Pentium Pro® 200MHz	1	Pentium Pro® @ 200MHz
Cache		1MB		256 KB
Memory	1	4096 MB	1	256 MB
Disk Controllers	5	AMI MegaRAID 434		Adaptec On-Board
Disk Drives	49	9 GB (8.367GB useable)	1	2 GB
	68	4 GB (3.992GB useable)		
Total Storage		681.44 GB		2 GB
Other	1	CD-ROM	1	CD-ROM
	1	PCI Ethernet NIC	3	PCI Ethernet NIC
	1	Tape Drive	1	ISA Ethernet NIC

Dell Computer Corporation		PowerEdge 6100 Client/Server			TPC-C REV 3.3.2 EXECUTIVE SUMMARY PAGE 2 OF 2 Report Date: 12-Oct-1997			
Description	Part Number	Third Party Brand	Pricing	Unit Price	Qty	Extended Price	5 yr. Maint. Price	
Server Hardware								
Dell PowerEdge 6100 w/1 PentiumPro/200-1MB L2	220-0376			1	9,096	1	9,096	2,483
Second Processor Card	311-0346			1	859	1	859	0
PentiumPro/200-1MB L2	311-0345			1	3,269	3	9,807	0
4 GB DIMM Board w/ 4GB	311-0261			1	55,999	1	55,999	0
Intel Pro 100 Network Interface Card	430-0008	Intel		1	99	1	99	0
Readyware fee for NIC	365-1234			1	15	1	15	0
4/8 GB DAT Drive	340-1300			1	749	1	749	0
Ultrascan 800 HS Monitor	320-5401			1	374	1	374	0
PowerEdge Scalable Disk System	220-9031			1	1,449	15	21,735	29,745
9GB Pluggable UW SCSI-3 Disk Drive *	340-5889			1	1,499	49	73,451	0
4GB Pluggable UW SCSI-3 Disk Drive *	340-7676			1	899	68	61,132	0
SCSI Cables	310-0052			1	129	15	1,935	0
AMI MegaRAID 434 w/ 16M EDO ***	43432100016	AMI		5	2,215	7	15,505	0
AMI MegaRAID 434 Battery Backup ***	4240000000	AMI		5	368	4	1,472	0
APC 2200 VA UPS***	23389-45	APC		1	921	3	2,763	0
						Subtotal	254,991	32,228
Server Software								
MS SQL Server, Enterprise Ed. 6.5, Unlimited Users **		Microsoft		2	28,999	1	28,999	10,475
MS Windows NT Server 4.0 Enterprise Ed. w/25CAL **		Microsoft		2	3,999	1	3,999	0
						Subtotal	32,998	10,475
Client Hardware								
Dell PowerEdge 2100	220-2319			1	1,855	4	7,420	7,932
256MB RAM	311-0173			1	1,799	4	7,196	0
Intel Pro 100 Network Interface Card	430-0008	Intel		1	109	12	1,308	0
Accton EZNIC95 10BaseT ISA Adapter ***	12247-36	Accton		1	29	6	174	0
Readyware fee for NIC (per machine)	365-1234			1	15	4	60	0
2GB UW SCSI-3 Disk Drive	340-0069			1	529	4	2,116	0
Ultrascan 800 HS Monitor	320-5401			1	374	4	1,496	0
						Subtotal	19,770	7,932
Client Software								
MS Window NT Server 4.0 w/ 10 CAL **	430-2185	Microsoft		1	799	4	3,196	0
MS SQL Workstation (includes programmer's toolkit) **		Microsoft		2	499	1	499	0
MS Visual C++ 32 bit Edition **		Microsoft		2	499	1	499	0
Tuxedo 6.3 Core Functionality Services for NT		BEA		3	3,000	4	12,000	9,000
						Subtotal	16,194	9,000
User Connectivity								
Netlux 8-port 100Mbps FAST Ethernet Hub ***	NX-H8TX	Netlux		4	299	3	897	0
Netlux 9-port 10Mbps Ethernet Hub ***	NX-H9+	Netlux		4	50	1,197	59,850	0
						Subtotal	60,747	0
						Other Discounts	0	0
						Total	\$384,700	\$59,635
Notes: * Maintenance included in PowerEdge Scalable Disk System maintenance price ** 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 - BEA 4 - Netlux 5 - AMI						Five-Year Cost of Ownership: \$444,335		
Audited by Richard Gimarc of Performance Metrics, Inc.						tpmC Rating: 10537.53		
						\$ / tpmC: 42.16		
<i>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.</i>								

MQTh, computed Maximum Qualified Throughput 10537.53
 % throughput difference, reported & reproducibility runs tpmC 0.09%

Response Times (in seconds)	90th	Average	Max
- Neworder	1.9	1.12	252.50
- Payment	0.7	0.48	15.60
- Order Status	1.0	0.85	18.41
- Delivery (interactive portion)	1.07	0.71	10.04
- Delivery (deferred portion)	12.08	5.33	49.28
- Stock-Level	5.7	2.74	19.68
- Menu	0.18	0.22	9.38

Response time delay added for emulated components Menu 0.1
 Resp 0.1

Transaction Mix, in percent of total transactions

- New-Order	44.82 %
- Payment	43.01 %
- Order-Status	4.08 %
- Delivery	4.04 %
- Stock-Level	4.02 %

Keying/Think Times (in seconds),	Min		Average		Max	
- New-Order	18.00	0.0	18.01	12.13	18.36	121.01
- Payment	3.00	0.0	3.00	12.14	3.30	121.01
- Order-Status	2.00	0.0	2.00	10.14	2.49	101.01
- Delivery	2.00	0.0	2.00	5.06	2.06	48.55
- Stock-Level	2.00	0.0	2.00	5.08	2.02	51.00

Test Duration

- Ramp-up time	15 minutes
- Measurement interval	30 minutes
- Number of checkpoints	1
- Checkpoint interval	30 minutes
- Number of transactions (all types) completed in measurement interval	705,252

