



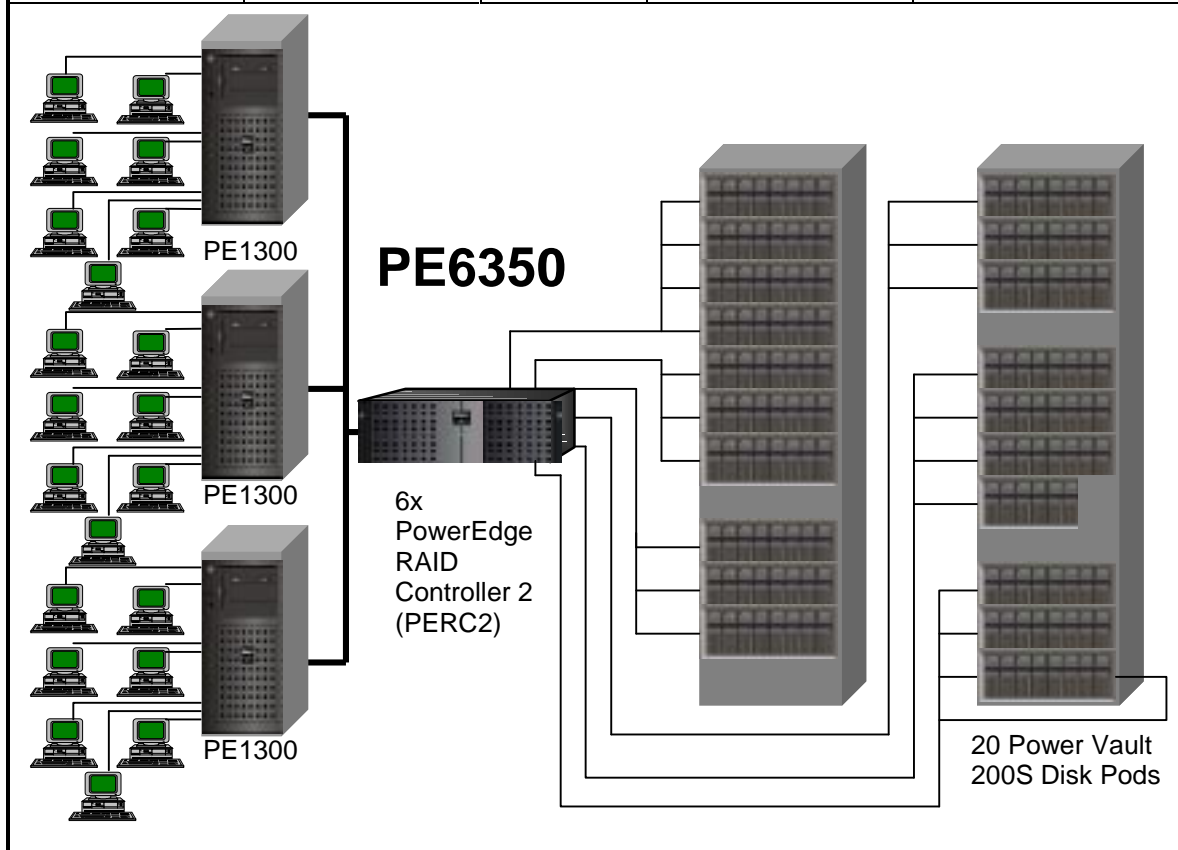
PowerEdge 6350

Client/Server w/3 PE1300 Front Ends

TPC-C Rev 3.4
Report Date
May 28, 1999

Total System Cost	TPC-C Throughput	Price/Performance	Availability Date
\$377,795	23,187.90 tpmC	\$16.29/ tpmC	Sept 1, 1999

Processors	Database Manager	OS	Other Software	Number of Users
4 x Pentium® III Xeon™ Processors 500 MHz 2MB L2 Cache	Microsoft SQL Server 7.0 Enterprise Edition	Microsoft WindowsNT Server4.0 Enterprise Edition	Tuxedo 6.4 CFS Microsoft Internet Information Server Microsoft Visual C++	18720



System Component	Server		Each Client	
Processors	4	Pentium® III Xeon™ @ 500MHz	2	Pentium® II @ 450MHz
Cache		2MB		512 KB
Memory		4096 MB		512 MB
Disk Controllers	6 2	PowerEdge Raid Controller 2 Adaptec On-Board	1	Adaptec On-Board
Disk Drives	144 9 6	9 GB SCSI (8.474 GB useable) 18 GB SCSI (16.9 GB useable) 36 GB SCSI (33.9 GB useable)	1	4.5 GB
Total Storage		1,579 GB		4.5 GB
Other	1 1 1	CD-ROM PCI Ethernet NIC Tape Drive	1 4 2	CD-ROM PCI Ethernet NIC PCI Ethernet Dual Port NIC

Dell Computer Corporation		PowerEdge 6350 Client/Server			TPC-C REV 3.4 EXECUTIVE SUMMARY PAGE 2 OF 2 Report Date: 27-May-1999		
Description	Part Number	Third Party		Unit Price	Qty	Extended Price	5 yr. Maint. Price
		Brand	Pricing				
Server Hardware							
Dell PowerEdge6350 w/1 PentiumIII Xeon500/2MB L2	220-3181		1	10,613	1	10,613	1,999
3 Pentium III Xeon 500/ 2MB L2	311-0875		1	12,999	1	12,999	0
4 GB RAM, 16 x 256 EDO DIMMs	311-0481		1	11,520	1	11,520	0
1x6 Backplane	311-0485		1	399	1	399	0
SMB Port	310-0268		1	20	1	20	0
18 GB Ultra-2 LVD SCSI Disk	340-1575		1	799	1	799	0
Intel Ether Express PRO 100+ PCI ENET Adapter	430-0111	Intel	1	69	1	69	0
Readyware fee for NIC	365-1234		1	15	1	15	0
12/24 GB DDS-3 DAT TBU	340-6121		1	749	1	749	0
Dell 800F Monitor	320-0071		1	199	1	199	0
PERC 2 w/32MB ECC Cache RAM	340-1029		1	1,899	5	9,495	0
PERC 2 w/128MB ECC Cache RAM	340-1032		1	2,149	1	2,149	0
Subtotal						49,026	1,999
PowerVault Disk Subsystem							
200S Disk Pod, non-redundant PS	220-0644		1	2,584	20	51,680	30,280
SCSI Cables	310-0313		1	69	21	1,449	0
9 GB Ultra-2 LVD SCSI 10K RPM Disk *	340-1394		1	599	144	86,256	0
18 GB Ultra-2 LVD SCSI 10K RPM Disk *	340-1395		1	1,099	8	8,792	0
36 GB Ultra-2 LVD SCSI RPM Disk (3-pack) *	340-2321		1	4,497	2	8,994	0
42U Rack	220-0605		1	2,199	2	4,398	0
Subtotal						161,569	30,280
Server Software							
MS SQL Server, Enterprise Ed. 7.0, 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 1300, 450 MHz Pentium III w/ 512KB	220-0652		1	1,489	3	4,467	5,397
2nd Processor,450MHz Pentium III w/512K	311-0648		1	699	3	2,097	0
512MB RAM, 2 DIMMs	311-0441		1	1,594	3	4,782	0
4.5GB LVD SCSI Disk Drive,	340-1465		1	399	3	1,197	0
Dell 800F Monitor	320-0071		1	199	3	597	0
Intel Ether Express PRO 100+ ENET Adapter	430-0111	Intel	1	69	12	828	0
Intel Ether Express PRO 100+ DualPort ENET Adapter		Intel	1	99	6	594	0
Readyware fee for NIC (per machine)	365-1234		1	15	3	45	0
Subtotal						14,607	5,397
Client Software							
MS Window NT Server 4.0 w/ 10 CAL **		Microsoft	2	809	3	2,427	0
MS Visual C++ 32 bit Edition **		Microsoft	2	1,299	1	1,299	0
Tuxedo 6.3 Core Functionality Services for NT		BEA	3	3,000	3	9,000	7,200
Subtotal						12,726	7,200
User Connectivity							
5-Port 100BaseTX Hub ***	DSH-5	D-Link	1	83	3	249	0
8+1 Port 10BaseT Ethernet Hub ***	TP1008C	Compex	1	29.47	2,587	76,239	0
Subtotal						76,488	0
Other Discounts						(\$24,970)	0
Total						\$322,444	\$55,351
Notes: * Maint. included in PowerVault 200S disk pod						Five-Year Cost of Ownership: \$377,795	
** All Microsoft maintenance is covered by the maintenance costs of Microsoft SQL Server						tpmC Rating: 23187.90	
*** 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						\$ / tpmC: 16.29	
Audited by Tom Sawyer of Performance Metrics, Inc.							
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						23,187.90
						tpmC
% throughput difference, reported & reproducibility runs						0.22%
Response Times (in seconds)			Average	90th		Max
- Neworder			0.58	1.1		4.89
- Payment			0.44	0.9		4.94
- Order Status			0.47	1.0		2.69
- Delivery (interactive portion)			0.11	0.12		0.75
- Delivery (deferred portion)			1.42	2.80		6.34
- Stock-Level			1.98	2.9		4.74
- Menu			0.11	0.12		1.01
Response time delay added for emulated components						Menu 0.1 Resp 0.1
Transaction Mix , in percent of total transactions						
- New-Order						44.86 %
- Payment						43.06 %
- Order-Status						4.02 %
- Delivery						4.03 %
- Stock-Level						4.00 %
Keying/Think Times (in seconds),			Min	Average		Max
- New-Order	18.00	0.0	18.01	12.09	18.35	120.82
- Payment	3.00	0.0	3.01	12.08	3.31	120.82
- Order-Status	2.00	0.0	2.00	10.07	2.16	100.80
- Delivery	2.00	0.0	2.00	5.10	2.15	50.81
- Stock-Level	2.00	0.0	2.00	5.11	2.16	50.81
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						1,550,367