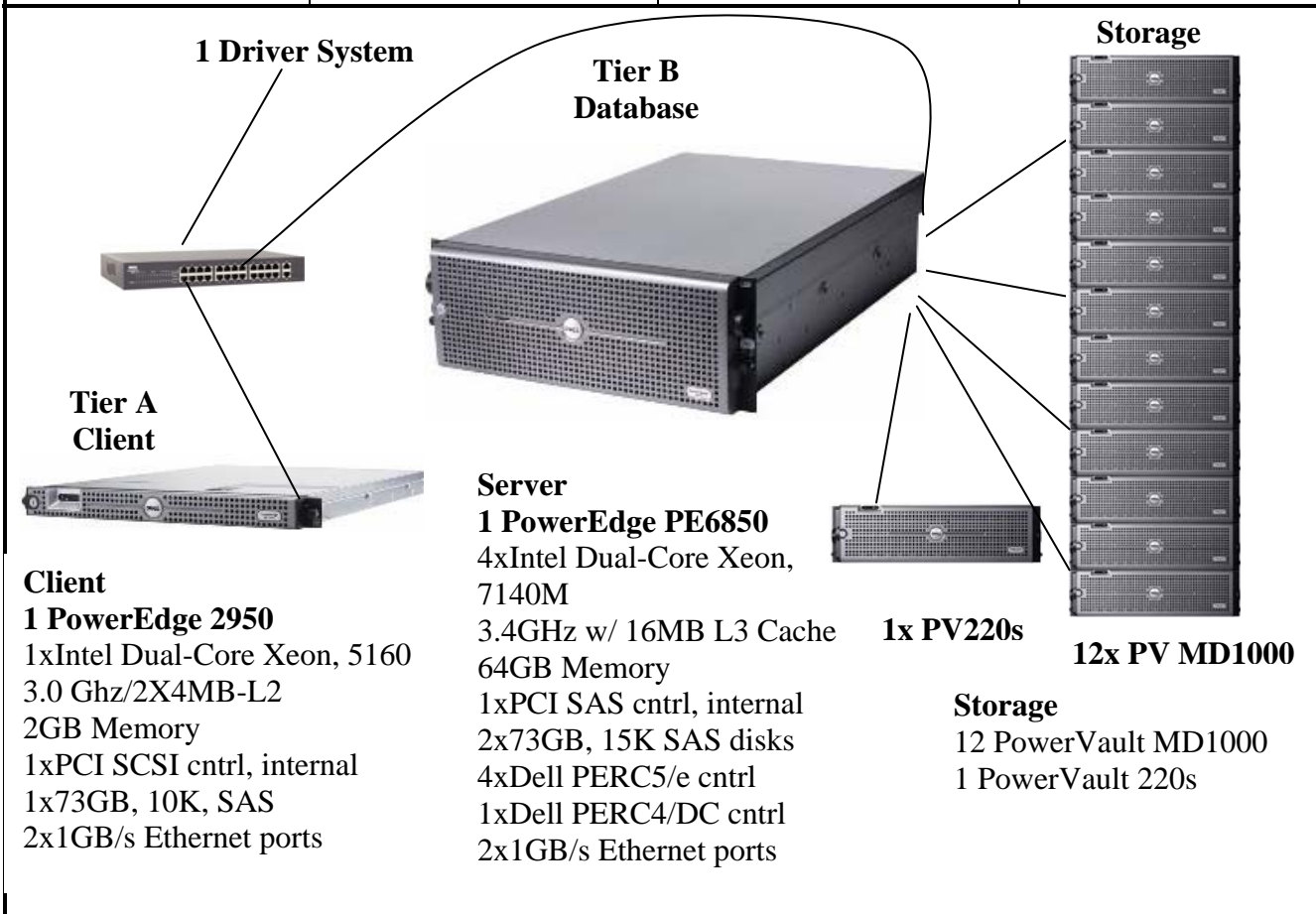
	PowerEdge™ 6850 Server		TPC-E 1.2.0 TPC Pricing 1.2
			Report Date: August 24, 2007
TPC-E Throughput	Price/Performance	Availability Date	Total System Cost
220.00 tpsE	\$1,020.13 USD per tpsE	August 24, 2007	\$ 224,428 USD

Database Server Configuration

Operating System	Database Manager	Processors/Cores/ Threads	Memory
Microsoft Windows Server 2003 Enterprise x64 Edition™ SP1	SQL Server 2005 Enterprise x64 Edition™ SP2	4/8/16	64GB



Initial Database Size	Redundancy Level: 1	Storage
856 GB	RAID - 10	70 x 36GB SAS 14 x 36GB SCSI 86 x 73GB SAS 14 x 146GB SAS



PowerEdge 6850

TPC-E 1.2.0 TPC Pricing 1.2

Report Date
August 24, 2007
Revision Date
August 24, 2007
Availability Date
August 24, 2007

Description	Part Number	Price Source	Unit Price	Qty	Extended Price	3 yr. Maint. Price
Server Hardware						
PE6850,DC XEON 7140M,3.4GHz/16MB,800FSB	222-5582	1	5,341.00	1	\$5,341.00	\$320.00
- includes Dual on-board NICs	430-8991	1	0.00	0	\$0.00	
QUAD XEON 7140M,3.4GHz/16MB,800 FSB	311-6774	1	6,499.00	1	\$6,499.00	
64GB (16x4GB)	311-5709	1	12,508.00	1	\$12,508.00	
PERC5/i,Integrated	341-3360	1	\$299.00	1	\$299.00	
PERC5/E SAS RAID, 2X4 EXTERNAL	341-3023	1	\$799.00	4	\$3,196.00	
PERC4/DC SCSI RAID, 2X4 EXTERNAL	341-1285	1	\$799.00	1	\$799.00	
73GB,3GBPS,SAS,3.5IN,10K	341-3028	1	\$299.00	2	\$598.00	
DELL E157FP,15 IN,15.0 VIS	320-5090	1	\$189.00	1	\$189.00	
				Subtotal	\$29,429.00	\$320.00
Server Storage						
PV MD1000,RACK,3U,15 BAY,LBZL	222-2299	1	2,680.00	12	\$32,160.00	\$19,776.00
TWO ENCL MGT MODULES, SAS/SATA	420-5927	1	\$345.83	12	\$4,149.96	
PV 220R Enclosure	222-2910	1	\$2,255.00	1	\$1,648.00	\$1,648.00
36GB,3GBPS,SAS,3.5IN,15K	341-2816	1	\$249.00	70	\$17,430.00	
36GB,SCSI,U320,15K	340-9371	1	\$249.00	14	\$3,486.00	
73GB,3GBPS,SAS,3.5IN,15K	341-2818	1	\$299.00	84	\$25,116.00	
146GB,3GBPS,SAS,3.5IN,15K	341-2819	1	\$399.00	14	\$5,586.00	
RACK-111/24U/Dell	A0213544	1	\$479.95	1	\$479.95	
				Subtotal	\$90,055.91	\$21,424.00
Server Software						
SQL Server 2005 Enterprise x64 Edition **	810-04793	2	\$23,432.00	4	\$93,728.00	
Windows Server 2003 Enterprise x64 Server **	P72-00274	2	\$2,334.00	1	\$2,334.00	
Professional Support (1 Incident)			\$245.00	1		\$245.00
				Subtotal	\$96,062.00	\$245.00
Client Hardware						
PE2950,XEON 5160,3.0GHz/4MB,1333 FSB	222-3190	1	1,882.00	1	\$1,882.00	\$320.00
- includes Dual on-board NICs	430-1764	1	0.00	0	\$0.00	
No second processor	311-1193	1	0.00	1	\$0.00	
2GB (4x512MB)	311-6153	1	518.00	1	\$518.00	
73GB,3GBPS,SAS,3.5IN,10K	341-3028	1	\$299.00	2	\$598.00	
DELL E157FP,15 IN,15.0 VIS	320-5090	1	\$189.00	1	\$189.00	
				Subtotal	\$3,187.00	\$320.00
Client Software						
Windows Server 2003 Enterprise x64 Server **	P72-00274	2	\$2,334.00	1	\$2,334.00	
				Subtotal	\$2,334.00	\$0.00
Infrastructure						
PowerConnect 2216, 16port Switch	222-2259	1	\$69.00	1	\$69.00	
2x4M, Cable, PERC4/39160	310-0679	1	\$99.00	1	\$99.00	
2M SAS Cable, MD1000	310-7083	1	\$40.00	16	\$640.00	
				Subtotal	\$808.00	\$0.00
				Other Discounts*	(\$19,756.79)	
				Total	\$221,875.91	\$22,309.00
Notes:				Three-Year Cost of Ownership: \$224,428 USD		
*All hardware items from Dell(1) are discounted 16% based on total cost.				TPC-E Throughput: 220.00 tpsE		
** All Microsoft maintenance is covered by the maint. costs of Microsoft SQL Server				Price/Performance: \$1,020.13 tpsE/USD		
Price Source: 1=Dell, 2=Microsoft, NIO = Not Immediately Orderable						
Pricing may be verified by calling 1-800-BUY-DELL and referencing quote # 382816819 as a complex quote.						
Audited by Lorna Livingtree, 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.						

Numerical Quantities Summary				
Reported Throughput: 220.00 tpsE		Configured Customers: 110,000		
Response Times (in seconds)	Minimum	Average	90th%til e	Maximum
Broker-Volume	0.01	0.09	0.14	0.33
Customer-Position	0.00	0.03	0.06	0.71
Market-Feed	0.00	0.04	0.08	0.45
Market-Watch	0.00	0.05	0.11	0.67
Security-Detail	0.00	0.02	0.03	3.23
Trade-Lookup	0.00	0.47	0.67	1.24
Trade-Order	0.01	0.09	0.14	0.78
Trade-Result	0.00	0.10	0.16	5.14
Trade-Status	0.00	0.04	0.06	0.70
Trade-Update	0.03	0.56	0.72	1.27
Data-Maintenance	0.01	0.15		3.44
Transaction Mix		Transaction Count		Mix %
Broker-Volume		779,106		4.900
Customer-Position		2,067,409		13.002
Market-Feed		158,998		1.000
Market-Watch		2,862,166		18.000
Security-Detail		2,226,217		14.000
Trade-Lookup		1,272,088		8.000
Trade-Order		1,606,021		10.100
Trade-Result		1,589,964		9.999
Trade-Status		3,021,209		19.000
Trade-Update		317,993		2.000
Data-Maintenance		120		
Test Duration and Timings				
Ramp-up Time (hh:mm:ss)		00:12:00		
Measurement Interval (hh:mm:ss)		02:00:00		
Business Recovery Time (hh:mm:ss)		00:43:25		
Total number of Transactions Completed in Measurement Interval		15,901,171		