



PowerEdge™ 2900 Server

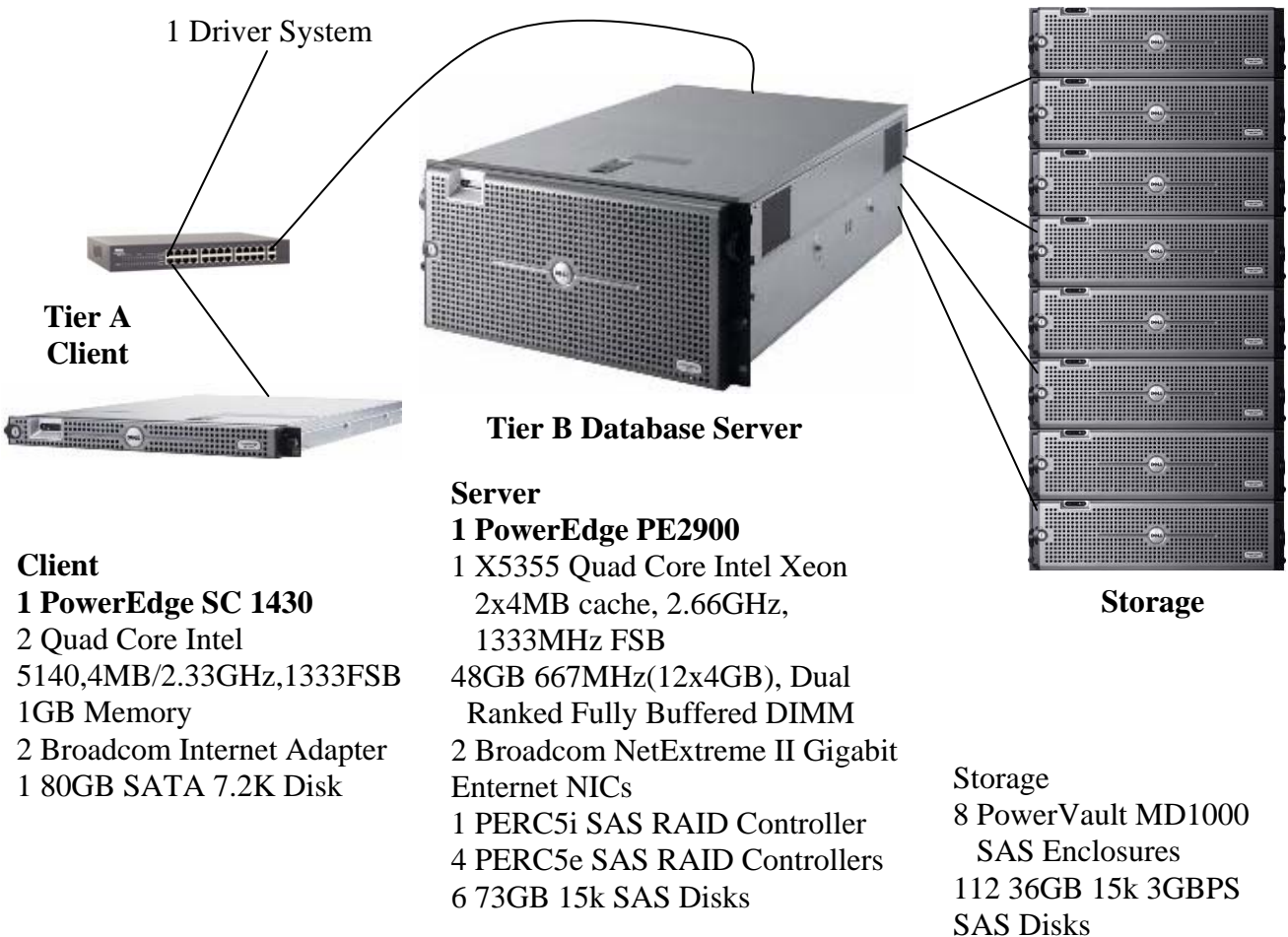
TPC-E 1.2
TPC Pricing 1.2

Report Date:
December 11, 2007

TPC-E Throughput	Price/Performance	Availability Date	Total System Cost
144.81 tpsE	\$788.69 USD per tpsE	December 11, 2007	\$114,210 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	1/4/4	48GB



Initial Database Size 930 GB	Redundancy Level: One	Storage 6 x 73GB 112 x 36GB
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PowerEdge 2900

**TPC-E 1.2.0
TPC Pricing 1.2**

Report Date
December 11, 2007
Revision Date
December 11, 2007
Availability Date
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Description	Part Number	Price Source	Unit Price	Qty	Extended Price	3 yr. Maint. Price
Server Hardware						
PE2900, QC XEON X5355, 8MB, 2.66GZ	222-7262	1	1,242.00	1	\$1,242.00	\$320.00
& 2 Broadcom NICs						
48GB 667MHz(12x4GB), 2R	311-6328	1	9,398.00	1	\$9,398.00	
PERC5/i, integrated	341-3018	1	\$299.00	1	\$299.00	
PERC5/E SAS RAID, 2X4 EXTERNAL	341-3023	1	\$799.00	4	\$3,196.00	
73GB, 3GBPS, SAS, 3.5IN, 10K	341-3028	1	\$299.00	6	\$1,794.00	
DELL E157FP, 15 IN, 15.0 VIS	320-5090	1	\$189.00	1	\$189.00	
				Subtotal	\$16,118.00	\$320.00
Server Storage						
PV MD1000, RACK, 3U, 15 BAY, LBZL	222-2299	1	2,680.00	8	\$21,440.00	\$13,184.00
SINGLE ENCL MGT MODULE, SAS ONLY	420-5927	1	\$345.83	8	\$2,766.64	
36GB, 3GBPS, SAS, 3.5IN, 15K	341-2816	1	\$249.00	112	\$27,888.00	
146G 15K SAS, 3G, 3.5, HP	341-2820	1	\$369.00	10	\$3,690.00	
RACK-111/24U/Dell	A0213544	1	\$479.95	1	\$479.95	
				Subtotal	\$56,264.59	\$13,184.00
Server Software						
SQL Server 2005 Enterprise x64 Edition **	810-03150	2	\$23,911.00	1	\$23,911.00	
Windows Server 2003 Enterprise x64 Server **	P72-01684	2	\$2,334.00	1	\$2,334.00	
Professional Support (1 Incident)			\$245.00	1		\$245.00
				Subtotal	\$26,245.00	\$245.00
Client Hardware						
Dell PowerEdge SC 1430, 2.33GHZ/4MB, 1333FSB	223-3196	1S	960.00	1	\$960.00	\$320.00
Additional processor, E5345, 2X4MB, 2.33GHZ, 1333FSB	311-7774	1S	749.00	1	\$749.00	
4GB, 667MHz, (2X2GB), 2R, FBD	311-6254	1	\$748.00	1	\$748.00	
80GB, SATA, 1IN, 7.2K RPM, HD, 7.2K	341-3757	1	\$99.00	1	\$99.00	
BCOM NetX 5721, Gb, ETHERNET, NIC	430-1496	1	\$59.00	1	\$59.00	
				Subtotal	\$2,556.00	\$320.00
Client Software						
Windows Server 2003 Enterprise x64 Server **	P72-01684	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	
2M SAS Cable, MD1000	310-7083	1	\$40.00	8	\$320.00	
				Subtotal	\$389.00	\$0.00
				Other Discounts*	(\$3,766.38)	
				Total	\$100,140.21	\$14,069.00
Notes:						
One or more components of the measured configuration have been substituted in the Priced Configuration. See the FDR for details.						
*All items from Dell(1) are discounted 5% based on total dollar volume of this config.				Three-Year Cost of Ownership:	\$114,210	USD
** All Microsoft maintenance is covered by the maint. costs of Microsoft SQL Server						
Price Source: 1=Dell, 2=Microsoft, NIO = Not Immediately Orderable				TPC-E Throughput:	144.81	tpsE
Pricing may be verified by calling 1-800-BUY-DELL and referencing quote # 402786014 as a complex quote.				Price/Performance:	\$788.69	tpsE/USD
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: 144.81 tpsE		Configured Customers: 74,000		
Response Times (in seconds)	Minimum	Average	90th%tile	Maximum
Broker-Volume	0.01	0.03	0.05	0.32
Customer-Position	0.00	0.03	0.05	0.72
Market-Feed	0.00	0.04	0.07	0.48
Market-Watch	0.00	0.02	0.05	0.44
Security-Detail	0.00	0.01	0.03	0.92
Trade-Lookup	0.00	0.43	0.62	1.42
Trade-Order	0.00	0.09	0.14	0.83
Trade-Result	0.00	0.10	0.15	0.92
Trade-Status	0.00	0.02	0.04	0.63
Trade-Update	0.03	0.53	0.68	1.42
Data-Maintenance	0.01	0.06		0.93
Transaction Mix		Transaction Count		Mix %
Broker-Volume		510,883		4.900%
Customer-Position		1,355,406		13.000%
Market-Feed		104,266		1.000%
Market-Watch		1,876,707		18.000%
Security-Detail		1,459,771		14.001%
Trade-Lookup		834,030		7.999%
Trade-Order		1,053,053		10.100%
Trade-Result		1,042,648		10.000%
Trade-Status		1,980,951		19.000%
Trade-Update		208,493		2.000%
Data-Maintenance		120		
Test Duration and Timings				
Ramp-up Time (hh:mm:ss)			00:27:32	
Measurement Interval (hh:mm:ss)			02:00:00	
Business Recovery Time (hh:mm:ss)			02:18:14	
Total number of Transactions Completed in Measurement Interval			10,426,208	