



PowerEdge™ 2900 Server

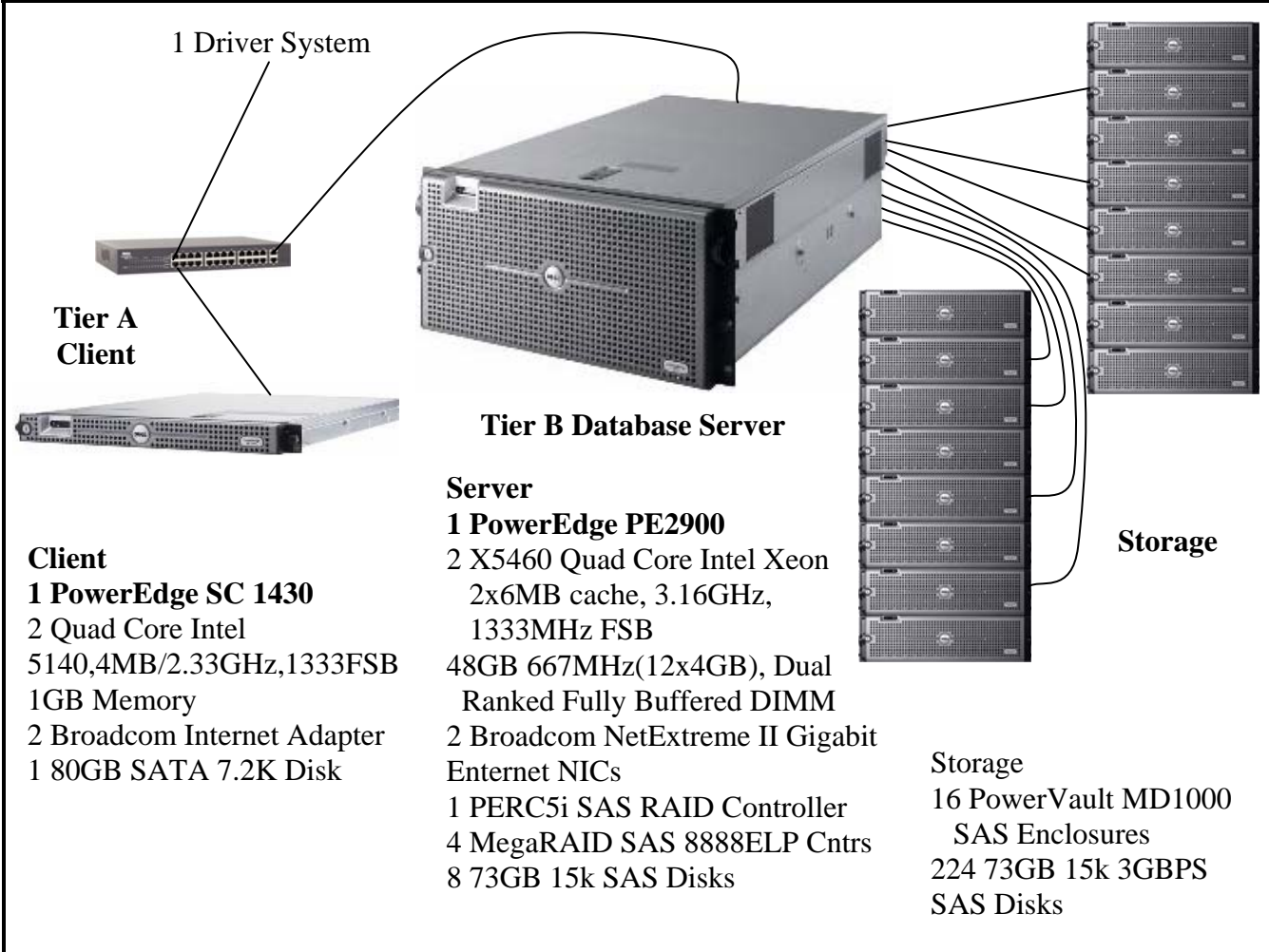
**TPC-E 1.2
TPC Pricing 1.2**

Report Date:
December 11, 2007

TPC-E Throughput	Price/Performance	Availability Date	Total System Cost
268.00 tpsE	\$795.21 USD per tpsE	December 11, 2007	\$213,115 USD

Database Server Configuration

Operating System	Database Manager	Processors/Cores/ Threads	Memory
Microsoft Windows Server 2003 Enterprise x64 Edition™ SP2	SQL Server 2005 Enterprise x64 Edition™ SP2	2/8/8	48GB



Initial Database Size 1,666GB	Redundancy Level: One	Storage 8 x 73GB 224 x 73GB
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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
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Description	Part Number	Price Source	Unit Price	Qty	Extended Price	3 yr. Maint. Price	
Server Hardware							
PE2900,QC XEON X5460,12MB,3.16GHZ	223-4504	1	1,842.00	1	\$1,842.00	\$320.00	
& 2 Broadcom NICs							
X5460,2X6MB/3.16GHZ,1333FSB 2nd Proc	311-7937	1	1,549.00	1	\$1,549.00		
4GB 667MHz(12x4GB),2R	311-6328	1	9,398.00	1	\$9,398.00		
PERC5/i,Integrated	341-3018	1	\$299.00	1	\$299.00		
MegaRAID SAS 8888ELP, 2X4 EXTERNAL	LS-8888ELP	3	\$803.40	6	\$4,820.40		
73GB,3GBPS,SAS,3.5IN,15K	341-2818	1	\$299.00	8	\$2,392.00		
DELL E157FP,15 IN,15.0 VIS	320-5090	1	\$189.00	1	\$189.00		
				Subtotal	\$20,489.40	\$320.00	
Server Storage							
PV MD1000,RACK,3U,15 BAY,LBZL	222-2299	1	2,680.00	16	\$42,880.00	\$26,368.00	
SINGLE ENCL MGT MODULE, SAS ONLY	420-5927	1	\$345.83	16	\$5,533.28		
73GB,3GBPS,SAS,3.5IN,15K	341-2818	1	\$299.00	224	\$66,976.00		
RACK-111/24U/Dell	A0213544	1	\$479.95	2	\$959.90		
				Subtotal	\$116,349.18	\$26,368.00	
Server Software							
SQL Server 2005 Enterprise x64 Edition **	810-03150	2	\$23,911.00	2	\$47,822.00		
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	\$50,156.00	\$245.00	
Client Hardware							
Dell PowerEdge SC 1430, 2.33GHZ/4MB,1333 FSB	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	\$2,615.00	\$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		
1M SAS Cable MegaRAID SAS 8888ELP	HI-MS-1MSB	3	\$35.00	8	\$280.00		
2M SAS Cable, MD1000	310-7083	1	\$40.00	8	\$320.00		
				Subtotal	\$669.00	\$0.00	
				Other Discounts*	(\$6,751.11)		
Notes:					Total	\$185,861.47	\$27,253.00
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:	\$213,115	USD
** All Microsoft maintenance is covered by the maint. costs of Microsoft SQL Server					TPC-E Throughput:	268.00	tpsE
Price Source: 1=Dell, 2=Microsoft, 3=eViz, NIO = Not Immediately Orderable					Price/Performance:	\$795.21	tpsE/USD
Pricing may be verified by calling 1-800-BUY-DELL and referencing quote # 402860243 as a complex quote.							
Audited by Lorna Livingtree, Performance Metrics Inc.							
<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>							

Numerical Quantities Summary				
Reported Throughput: 268.00 tpsE		Configured Customers: 134,000		
Response Times (in seconds)	Minimum	Average	90th%tile	Maximum
Broker-Volume	0.01	0.04	0.06	0.36
Customer-Position	0.00	0.03	0.05	0.36
Market-Feed	0.00	0.03	0.07	4.81
Market-Watch	0.00	0.03	0.06	0.74
Security-Detail	0.00	0.01	0.03	0.49
Trade-Lookup	0.00	0.46	0.61	1.15
Trade-Order	0.00	0.09	0.13	0.57
Trade-Result	0.00	0.09	0.14	4.28
Trade-Status	0.00	0.02	0.04	4.77
Trade-Update	0.02	0.55	0.66	1.23
Data-Maintenance	0.01	0.07		0.66
Transaction Mix		Transaction Count		Mix %
Broker-Volume		962,100		4.899%
Customer-Position		2,552,923		13.001%
Market-Feed		196,373		1.000%
Market-Watch		3,534,639		18.000%
Security-Detail		2,749,147		14.000%
Trade-Lookup		1,570,878		8.000%
Trade-Order		1,983,406		10.100%
Trade-Result		1,963,708		10.000%
Trade-Status		3,731,098		19.000%
Trade-Update		392,733		2.000%
Data-Maintenance		120		
Test Duration and Timings				
Ramp-up Time (hh:mm:ss)		00:10:23		
Measurement Interval (hh:mm:ss)		02:00:00		
Business Recovery Time (hh:mm:ss)		04:50:27		
Total number of Transactions Completed in Measurement Interval		19,637,005		