



PowerEdge 2900 Server with Oracle Database 11g Standard Edition One

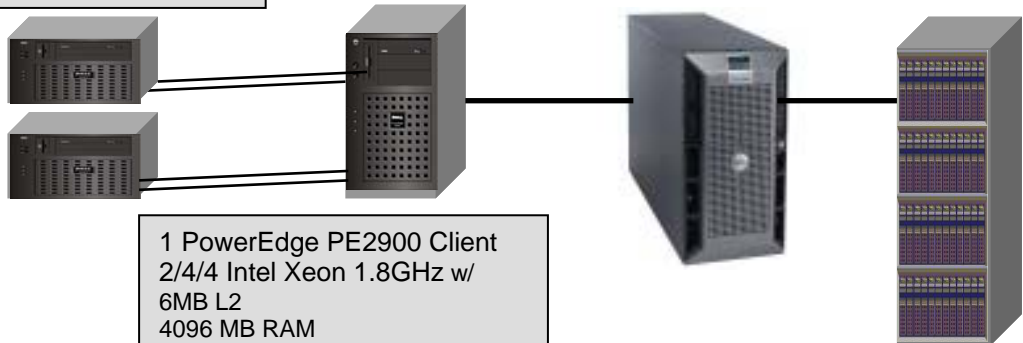
TPC-C Rev 5.10
Original Report Date
February 20, 2009

Total System Cost		TPC-C Throughput	Price/Performance	Availability Date
\$62,567		104,492 tpmC	\$.60 / tpmC	February 20, 2009
Processors	Database Manager	OS	Other Software	Number of Users
1/4/4 Quad Core Intel® Xeon® 5440, 2X6MB Cache, 2.83GHZ 1333MHZ FSB	Oracle Database 11g Standard Edition One	Microsoft Windows Server 2003 Standard x64 Edition SP1	Windows Server 2003 Standard Edition w/ COM+ Internet Information Server 6.0 Microsoft Visual C++	82,600

82,600 Emulated Users Running on 1 PE1600 and 1 R805 RTE Machines Connected Through Cross-over cables

PowerEdge 2900
1/4/4 Quad Core Intel® Xeon® 5440, 2x6MB Cache, 2.83GHZ, 32GB 667MHz FBD
4 Dell PERC6/E SAS RAID Controller, 1 Integrated PERC5i SAS RAID Controller.
6 146GB, 3GBPS, SAS, 3.5IN, 15K
2 On Board Broadcom ports

4 PowerVault MD1120 SAS Disk encl.
25 73GB 2.5" 15K RPM SAS Disks
71 36GB 2.5" 15K RPM SAS Disks



1 PowerEdge PE2900 Client
2/4/4 Intel Xeon 1.8GHz w/ 6MB L2
4096 MB RAM
1 80GB SATA 7.2K Disk
1 Intel Pro 1000 Dual port NIC
2 onboard Broadcom ports

System Component	Server		Each Client	
Processor/Core/Cache	1	1/4/4 Quad Core Intel® Xeon® 5440, 2x6MB Cache, 2.83GHZ, 1333	2	2/4/4 Intel® Xeon® w/ 6MB L2, 1.8GHz
Memory		32GB 667 FB-DIMM		4 GB
Disk Controllers	4 1	Dell PERC6/E RAID Integrated PERC5i RAID	1	Onboard SATA
Disk Drives	25 71 6	73GB 2.5" 15K SAS 36GB 2.5" 15K SAS 146GB 3.5" 15K SAS	1	80GB 7.2K SATA
Total Storage	102	6536 GB SAS	1	80GB SATA
Other	2 1	Broadcom NetXtreme II GigE ports CD-ROM	2 1 1	Broadcom on-board ports Dual port Intel Pro 1000 NIC CD-ROM

MQTh, computed Maximum Qualified Throughput

104,491 tpmC

Response Times (in seconds)

	Average	90 th	Max
- New order	0.16	0.30	2.50
- Payment	0.14	0.20	1.63
- Delivery (interactive portion)	0.12	0.13	1.14
- Stock-Level	0.79	1.10	2.34
- Order Status	0.17	0.30	1.39
- Delivery (deferred portion)	0.04	0.08	1.24
- Menu	0.11	0.13	1.41

Response time delay added for emulated components

Menu 0.1
Resp 0.1

Transaction Mix, in percent of total transactions

- New-Order	44.92%
- Payment	43.00%
- Delivery	4.02%
- Stock-Level	4.01%
- Order-Status	4.02%

Keying/Think Times (in seconds),

	Min		Average		Max	
- New-Order	18.00	0.0	18.01	12.03	18.04	120.32
- Payment	3.00	0.0	3.00	12.03	3.03	120.32
- Delivery	2.00	0.0	2.00	5.03	2.03	50.31
- Stock-Level	2.00	0.0	2.00	5.04	2.04	50.32
- Order-Status	2.00	0.0	2.00	10.03	2.03	100.32

Test Duration

- Ramp-up time	20 minutes
- Measurement interval	120 minutes
- Number of checkpoints	4
- Checkpoint interval	28.04 minutes
- Number of transactions (all types)	27,909,256