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|-------------|--|------------------|--|
| DELL | PowerEdge 2800 Client/Server w/1 PE SC 1420 Front End | | TPC-C Rev 5.6 Original Report Date September 26, 2005 Revised April 14, 2006 |
| | Total System Cost | TPC-C Throughput | Price/Performance |

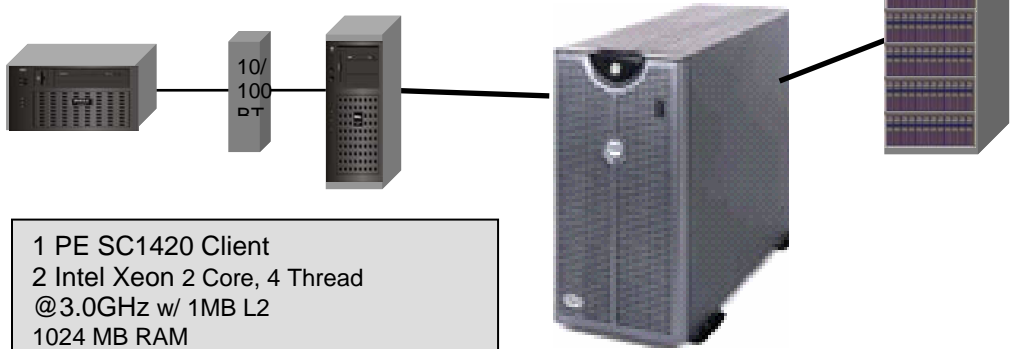
| | | | |
|-----------------|--------------------|---------------------|---------------------------------------|
| \$38,028 | 38,622 tpmC | \$.99 / tpmC | Availability Date November 8, 2005 |
|-----------------|--------------------|---------------------|---------------------------------------|

| | | | | |
|--|--|---|---|-----------------|
| Processors | Database Manager | OS | Other Software | Number of Users |
| 1 Dual-Core Intel® Xeon™, 2 Core, 4 Thread processor 2.80 GHz 2+2M | Microsoft SQL Server 2005 Standard (x64) Edition | Microsoft Windows Server 2003, Standard (x64) Edition | Windows Server 2003 Std Ed w/ COM+ Internet Information Server 6.0 Microsoft Visual C++ | 30,800 |

30,800 Emulated Users Running on 1 PE6350 RTE Machines Connected Through 1 100BaseT Segment

PowerEdge 2800 w/ 1 Dual-Core Intel® Xeon™ 2 Core, 4 Thread processor 2.80 GHz, 8GB RAM 2 Dell PERC4eDC RAID Controllers, 1 Integrated PERC4eiDC Raid Controller. 8 73GB 10K RPM U320 SCSI disks 2 Gigabit Ethernet adapters

4 PowerVault 220R Disk Pods 56 36GB 15K RPM U320 SCSI Disks



1 PE SC1420 Client
2 Intel Xeon 2 Core, 4 Thread @3.0GHz w/ 1MB L2
1024 MB RAM
1 80 GB Disk
2 Intel Pro100+ Ethernet NICs

| System Component | Server | | Each Client | |
|---------------------|---------|---|-------------|---|
| Processors Cache | 1 | Dual-Core Intel® Xeon™ 2 Core, 4 Thread processor 2.80 GHz | 2 | Intel Xeon™ 2 Core, 4 Thread w/ 1MB L2 Client @ 3.0 GHz |
| Memory | | 8 GB DDR2 | | 1024 MB |
| Disk Controllers | 2 1 | Dell PERC4eDC RAID Controllers Integrated PERC4eiDC Raid Controller. | 1 | Onboard SATA |
| Disk Drives | 56 8 | 36 GB 15k SCSI 73 GB 10k SCSI | 1 | 80 GB SATA |
| Total Storage | | 2600 GB | 1 | 80 GB Disk |
| Other | 2 1 | 2GB NIC CD-ROM | 2 1 | 10/100MB BT NIC CD-ROM |

| Dell | | PowerEdge 2800 | | | TPC-C REV 5.6 EXECUTIVE SUMMARY PAGE 2 OF 3 | | |
|--|-------------|----------------|--|------------|--|--|--------------------|
| | | Client/Server | Report Date: 26-September-05 Revised: April 14 -06 | | | | |
| Description | Part Number | Third Party | | Unit Price | Qty | Extended Price | 3 yr. Maint. Price |
| Server Hardware | | Brand | Pricing | | | | |
| Dell PE 2800 Dual-Core Intel® Xeon™ processor 2.80 GHz 800MHZ FSB, 2 onboard Gigabit NICs | 222-0210 | | | \$2,748.00 | 1 | \$2,748.00 | \$300.00 |
| 8GB DDR2 400MHz(4X2GB),1R | 311-3605 | | | \$3,738.00 | 1 | \$3,738.00 | |
| PERC4eDC,128MB,2-EXT CHN | 341-1642 | | | \$799.00 | 2 | \$1,598.00 | |
| 73GB U320M SCSI 10K RPM Hard Drive (OS+LOG) | 341-1287 | | | \$319.00 | 8 | \$2,552.00 | |
| Dell E773,17 in Gray (16.0 VIS) | 320-2907 | | | \$135.00 | 1 | \$135.00 | |
| | | | | | Subtotal | \$10,771.00 | \$300.00 |
| PowerVault Disk Subsystem | | | | | | | |
| PV220R, U3, PS, Rack | 220-4476 | | | \$1,155.00 | 4 | \$4,620.00 | \$1,604.00 |
| ZEMM,U320,PV22XS,SINGLE | 340-9324 | | | \$399.00 | 4 | \$1,596.00 | |
| 600W,PWR SPLY,PV22XS | 310-0677 | | | \$0.00 | 4 | \$0.00 | |
| 600W,PWR SPLY,PV22XS | 310-0683 | | | \$89.00 | 4 | \$356.00 | |
| 36GB U320M SCSI 15K RPM Hard Drive | 340-9472 | | | \$249.00 | 56 | \$13,944.00 | |
| RACK-111/24U/Dell | A0213544 | | | \$479 | 1 | \$479.00 | |
| | | | | | Subtotal | \$20,995.00 | \$1,604.00 |
| Server Software | | | | | | | |
| SQL Standard 64Bit, Per processor licensing ** | A5K-00206 | Microsoft | 1 | \$5,999.00 | 1 | \$5,999.00 | |
| Windows 2003 Standard Server 64 Bit ** | P73-00295 | Microsoft | 1 | \$719.00 | 1 | \$719.00 | |
| Professional Support (1 Incident) | | Microsoft | 1 | \$245.00 | 1 | | \$245.00 |
| | | | | | Subtotal | \$6,718.00 | \$245.00 |
| Client Hardware | | | | | | | |
| Dell PowerEdge SC 1420, 3.0 GHz / 1MB L2 / 800 FSB | 221-5680 | | | \$629.00 | 1 | \$629.00 | \$300.00 |
| Additional processor , 3.0 GHz / 1MB | 311-3803 | | | \$599.00 | 1 | \$599.00 | |
| 1.0GB DDR2, 400, 2X512 Dimms | 311-3811 | | | \$448.00 | 1 | \$448.00 | |
| 40GB SATA Hard Drive,7.2K | 341-1024 | | | \$149.00 | 1 | \$149.00 | |
| IntelPro 100S | 430-0369 | | | \$59.00 | 1 | \$59.00 | |
| Dell E773,17 in Gray (16.0 VIS) | 320-2907 | | | \$135.00 | 1 | \$135.00 | |
| | | | | | Subtotal | \$2,019.00 | \$300.00 |
| Client Software | | | | | | | |
| Windows 2003 STD Server ** | P73-00295 | Microsoft | 1 | \$719.00 | 1 | \$719.00 | |
| Visual C++ ** .NET | 254-00170 | Microsoft | 1 | \$109.00 | 1 | \$109.00 | |
| | | | | | Subtotal | \$828.00 | |
| User Connectivity | | | | | | | |
| 7ft Crossover cable | CBLC5C7 | LanAdapter | 2 | \$1.60 | 3 | \$4.80 | |
| | | | | | Subtotal | \$4.80 | |
| All Hardware and maintenance components from Dell are discounted 16% based on total dollar value of this configuration. | | | | | | Other Discounts | \$5,758.24 |
| | | | | | | Total USD: | \$35,578 |
| | | | | | | Three-Year Cost of Ownership USD: | \$38,027 |
| Notes: * Maint. included in PowerVault 220R disk pod or PV650F/630F fibre channel disk pod | | | | | | | |
| ** All Microsoft maintenance is covered by the maintenance costs of Microsoft SQL Server | | | | | | | |
| Pricing: 1 - Microsoft 2 - LanAdapter | | | | | | tpmC Rating: | 38622 |
| Pricing may be verified by calling 1-800-BUY-DELL and referencing quote # 246302344 as a complex quote. | | | | | | | |
| Audited by Lorna Livingtree, Performance Metrics Inc. | | | | | | USD\$ / tpmC: | 0.99 |
| <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> | | | | | | | |

MQTh, computed Maximum Qualified Throughput

38,622 tpmC

Response Times (in seconds)

| | Average | 90 th | Max |
|----------------------------------|---------|------------------|------|
| - Neworder | 0.38 | 0.59 | 5.95 |
| - Payment | 0.20 | 0.30 | 5.16 |
| - Delivery (interactive portion) | 0.12 | 0.12 | 1.34 |
| - Stock-Level | 0.46 | 0.71 | 5.18 |
| - Order Status | 0.30 | 0.46 | 8.41 |
| - Delivery (deferred portion) | 0.58 | 1.15 | 5.23 |
| - Menu | 0.38 | 0.59 | 5.95 |

Response time delay added for emulated components

Menu 0.1
Resp 0.1

Transaction Mix, in percent of total transactions

| | |
|----------------|--------|
| - New-Order | 44.84% |
| - Payment | 43.03% |
| - Delivery | 4.06% |
| - Stock-Level | 4.05% |
| - Order-Status | 4.03% |

Keying/Think Times (in seconds),

| | Min | | Average | | Max | |
|----------------|-------|-----|---------|-------|-------|--------|
| - New-Order | 18.02 | 0.0 | 18.03 | 12.06 | 18.48 | 120.43 |
| - Payment | 3.02 | 0.0 | 3.03 | 12.05 | 3.48 | 120.42 |
| - Delivery | 2.02 | 0.0 | 2.03 | 5.07 | 2.45 | 50.42 |
| - Stock-Level | 2.02 | 0.0 | 2.03 | 5.06 | 2.48 | 50.44 |
| - Order-Status | 2.02 | 0.0 | 2.03 | 10.07 | 2.46 | 100.42 |

Test Duration

| | |
|--------------------------------------|-------------|
| - Ramp-up time | 10 minutes |
| - Measurement interval | 120 minutes |
| - Number of checkpoints | 4 |
| - Checkpoint interval | 30 minutes |
| - Number of transactions (all types) | 10,756,433 |