



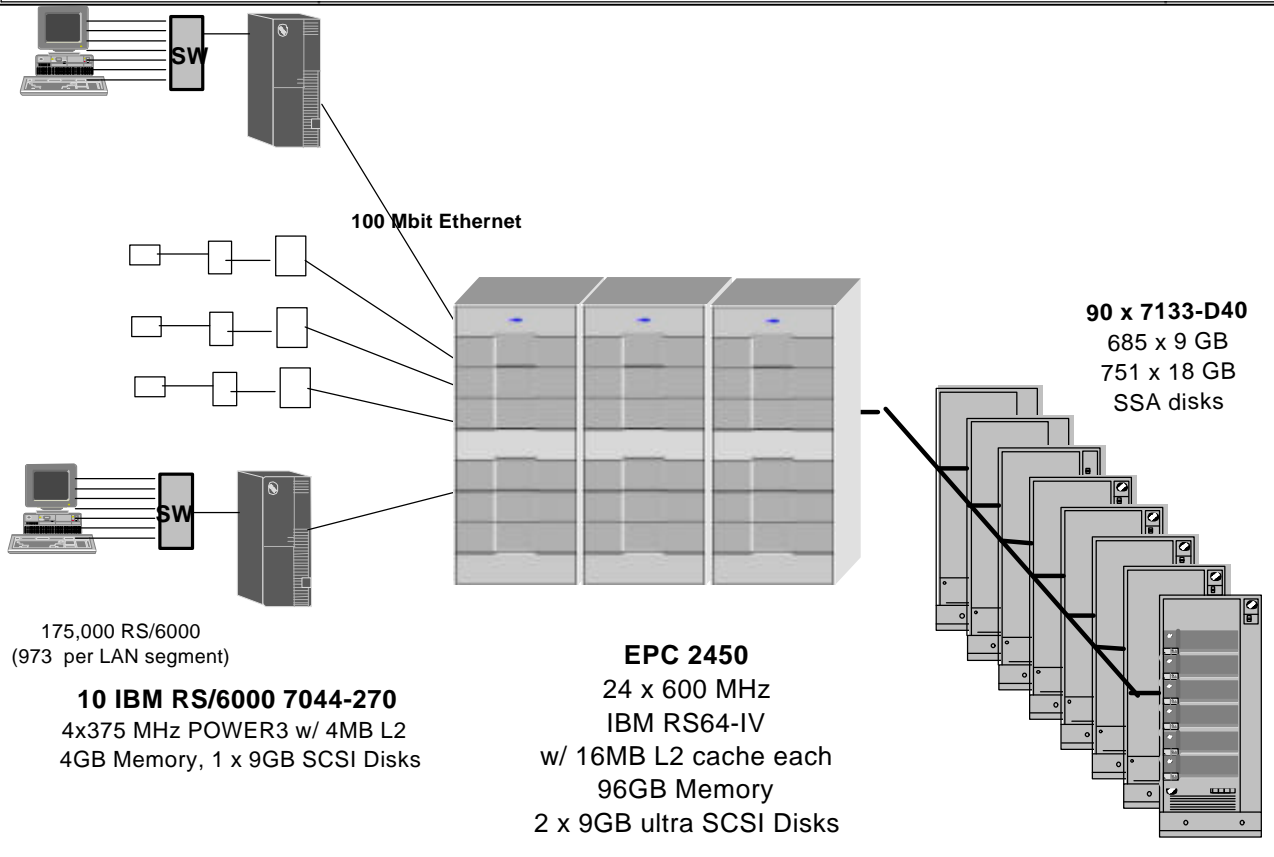
Bull Escala EPC2450 c/s

TPC-C Rev. 3.5

ORACLE

Report Date
November 7, 2000

Total System Cost	TPC-C Throughput	Price/Performance	Availability Date	
\$9 563 263	220,807.27 tpmC	\$43.31/tpmC	April 15, 2001	
Processors	Database Manager	Operating System	Other Software	No. Users
24 x IBM RS64-IV	Oracle8i™ Enterprise Edition(64-bit) Release 3 (8.1.7) for AIX - Based System	AIX 4.3.3 +APAR IY13076	Websphere Application Server Enterprise Edition Version 3.0	175 000



System Components	Clients		Server	
	Quantity	Description	Quantity	Description
Processor	10	4 x 375 MHz Power3 w/ 4MB L2 cache each	1	24 x 600 MHz IBM RS64 IV w/ 16 MB L2 cache each
Memory		4 GB		96 GB
Disk Controllers	1	SCSI-2 (Integrated)	1	SCSI-2 (Integrated) SSA Adapters
Disk Drives	1	9 GB SCSI each client	751	18 GB SSA disk
			685	9 GB SSA disk
			2	9 GB SCSI Disk
Total Storage		8.4 GB each client		18,451.40 GB
Terminals	10	System Console	1	System Console
Term. Connect	24 156	8-Port Ethernet Hubs + 10% spares		



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Table with columns: Description, Part Number, Brand, Pricing, Unit Price, Quantity, Extended Price, 5-year Maint. Price. Includes sections for Server Hardware, Server Software, Client Hardware, Client Software, and User Connectivity.

Notes:

Pricing: 1-Bull 2-Oracle 3-NetCruiser technologies(comready) 4 PCConnection

Five-Year Cost of Ownership: \$9 563 263
tpmC Rating: 220807,27

\$ / tpmC: 43,31

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 reflects 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 terms, please inform the TPC at pricing@tpc.org. Thank you.

Numerical Quantities Summary for the Bull Escala EPC2450

MQTH, computed Maximum Qualified Throughput: 220,807.27 tpmC

Repeatability Run: 220,406.30 tpmC 0.18% difference

<u>Response Times (in seconds)</u>	<u>90th %</u>	<u>Average</u>	<u>Maximum</u>
New Order	0.78	0.37	11.90
Payment	0.73	0.33	12.67
Order-Status	0.76	0.35	10.81
Delivery (interactive)	0.19	0.11	1.87
Delivery (deferred)	0.27	0.15	2.63
Stock-Level	1.14	0.70	10.93
Menu	0.00	0.00	2.54

Transaction Mix, in percent of total transactions

	<u>Percent</u>
New Order	44.91%
Payment	43.02%
Order-Status	4.01%
Delivery	4.01%
Stock-Level	4.02%

Keying/Think Times (in seconds)

	<u>Min.</u>	<u>Average</u>	<u>Max.</u>
New Order	18.00/0.01	18.01/12.02	18.13/120.21
Payment	3.00/0.01	3.01/12.02	3.13/120.21
Order-Status	2.00/0.01	2.01/10.01	2.12/100.11
Delivery	2.00/0.01	2.01/5.02	2.11/50.21
Stock-Level	2.00/0.01	2.01/5.02	2.12/50.20

Test Duration

Ramp-up Time	37 min 40 sec
Measurement interval	30 minutes
Transactions during measurement interval (all types)	14,747,794
Ramp-down time	10 minutes

Checkpointing

Number of checkpoints	1
Checkpoint interval	29 min 54 sec