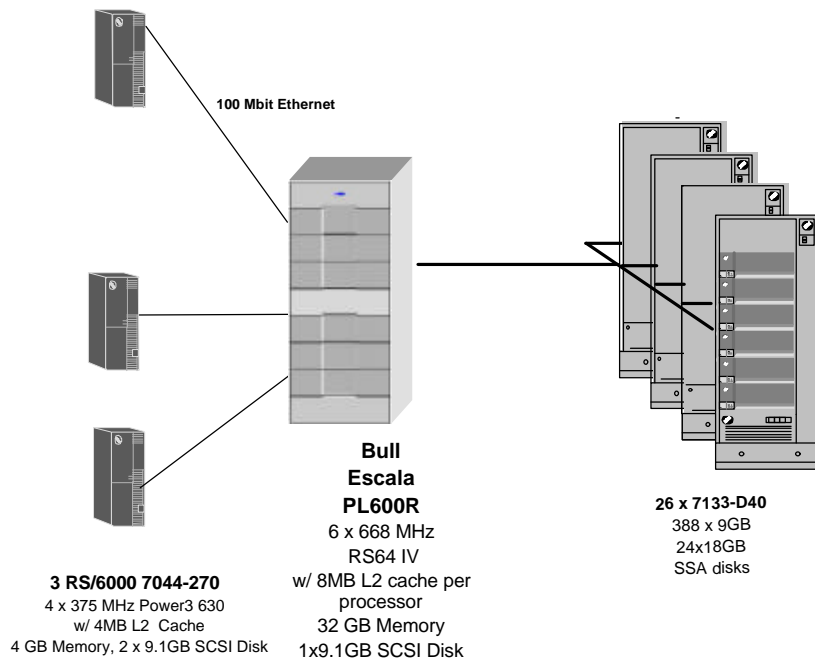
	<b>Bull Escala</b>		TPC-C Rev. 5.0	
<b>ORACLE</b>	<b>PL600R C/S</b>		Report Date July 3, 2001	
<b>Total System Cost</b>	<b>TPC-C Throughput</b>	<b>Price/Performance</b>	<b>Availability Date</b>	
<b>\$1,638,835</b>	<b>57,346.93 tpmC</b>	<b>\$28.57/tpmC</b>	<b>Available</b>	
<b>Processors</b>	<b>Database Manager</b>	<b>Operating System</b>	<b>Other Software</b>	<b>No. Users</b>
<b>6 x IBM RS64 IV</b>	<b>Oracle9i Database Enterprise Edition 9.0.1 for AIX - Based System</b>	<b>AIX 4.3.3 +APAR IY17356</b>	<b>Websphere Application Server Enterprise Edition Version 3.0</b>	<b>45 360</b>



System Components	Clients		Server	
	Quantity	Description	Quantity	Description
<b>Processor</b>	<b>3</b>	<b>4 x 375 MHz Power3 W/4MB L2 cache each</b>	<b>1</b>	<b>6 x 668 MHz IBM RS64 IV w/ 8MB L2 cache each</b>
<b>Memory</b>		<b>4 GB</b>		<b>32 GB</b>
<b>Disk Controllers</b>	<b>1</b>	<b>SCSI-2 (Integrated)</b>	<b>1</b>	<b>SCSI-2 (Integrated)</b>
<b>Disk Drives</b>	<b>2</b>	<b>9.1 GB SCSI each client</b>	<b>7</b>	<b>SSA Adapters</b>
			<b>388</b>	<b>9GB SSA Disk</b>
			<b>24</b>	<b>18 GB SSA disk</b>
			<b>1</b>	<b>9.1 GB SCSI Disk</b>
<b>Total Storage</b>		<b>16.93 GB each client</b>		<b>3,650.25 GB</b>
<b>Terminals</b>	<b>3</b>	<b>System Console</b>	<b>1</b>	<b>System Console</b>



ORACLE

BULL
Escala PL600R

TPC-C Rev. 5.0

Report Date: July 3, 2001

Table with columns: Description, Part Number, Brand, Pricing, Unit Price, Quantity, Extended Price, 3-year Maint. Price. Rows include Server Hardware, Server Software, Client Hardware, and Client Software.

Notes: Pricing: 1-Bull 2-Oracle
Audited by Francois Raab of InfoSizing

Three-Year Cost of Ownership: \$1 638 835
tpmC Rating: 57346,93
\$/ tpmC: 28,57

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 PL600R**

**MQTH**, computed Maximum Qualified Throughput: 57,346.93 tpmC

<b><u>Response Times (in seconds)</u></b>	<b><u>90th %</u></b>	<b><u>Average</u></b>	<b><u>Maximum</u></b>
New Order	0.68	0.33	26.20
Payment	0.62	0.29	26.09
Order-Status	0.67	0.32	24.45
Delivery (interactive )	0.19	0.10	2.14
Delivery (deferred )	0.31	0.17	3.96
Stock-Level	0.89	0.50	10.26
Menu	0.00	0.00	2.25

<b><u>Transaction Mix, in percent of total transactions</u></b>	<b><u>Percent</u></b>
New Order	44.89%
Payment	43.02%
Order-Status	4.02%
Delivery	4.02%
Stock-Level	4.02%

<b><u>Keying/Think Times (in seconds)</u></b>	<b><u>Min.</u></b>	<b><u>Average</u></b>	<b><u>Max.</u></b>
New Order	18.00/0.01	18.01/12.02	18.16/120.20
Payment	3.00/0.01	3.01/12.02	3.15/120.27
Order-Status	2.00/0.01	2.01/10.03	2.11/100.10
Delivery	2.00/0.01	2.01/5.01	2.11/50.20
Stock-Level	2.00/0.01	2.01/5.02	2.12/50.20

**Test Duration**

Ramp-up Time	36 min
Measurement interval	2 hours
Transactions during measurement interval (all types)	15,326,602
Ramp-down time	10 minutes

**Checkpointing**

Number of checkpoints	4
Checkpoint interval	29 min 40 sec