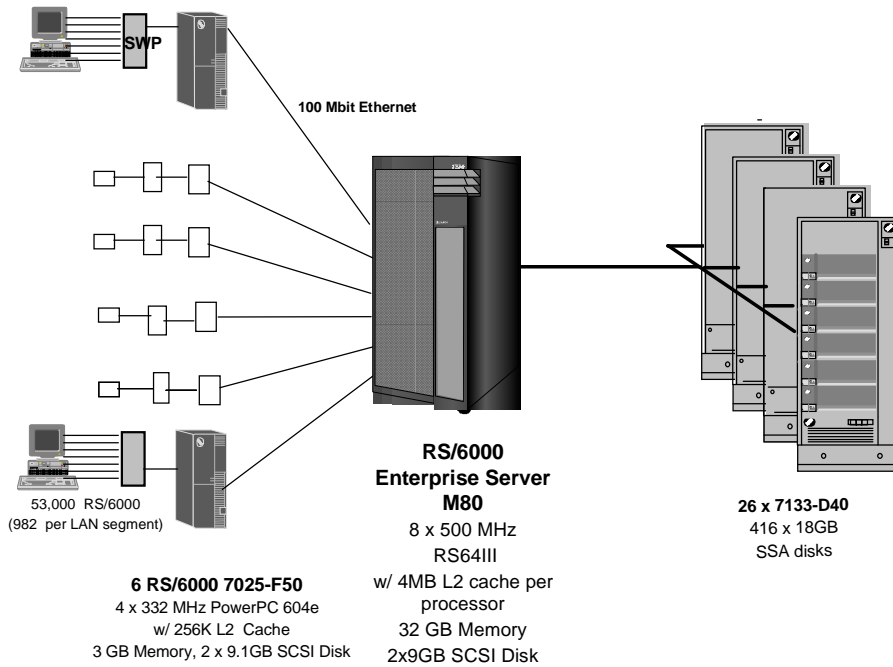
		IBM RS/6000		TPC-C Rev. 3.5	
ORACLE		Enterprise Server M80 c/s		Report Date May 31, 2000	
Total System Cost		TPC-C Throughput		Price/Performance	
\$3,097,055		66,750.27 tpmC		\$46.40/tpmC	
				Availability Date	
				September 30, 2000	
Processors		Database Manager		Operating System	
8 x IBM RS64-III		Oracle8i™ Enterprise Edition(64-bit) Release 3 (8.1.7) for AIX - Based System		AIX 4.3.3 +APAR IY10778	
				Other Software	
				Websphere Application Server Enterprise Edition Version 3.0	
				No. Users	
				53,000	



System Components	Clients		Server	
	Quantity	Description	Quantity	Description
Processor	6	4 x 332 MHz PowerPC 604e w/ 256K L2 cache each	1	8 x 500 MHz IBM RS64-III w/ 4MB L2 cache each
Memory		3 GB		32 GB
Disk Controllers	1	SCSI-2 (Integrated)	1	SCSI-2 (Integrated)
Disk Drives	2	9.1 GB SCSI each client	416	SSA Adapters 18 GB SSA disk
Total Storage		16.93 GB each client	2	9.1 GB SCSI Disk
Terminals	6	System Console	1	7,031.21 GB System Console
Term. Connect	7,306	8-Port Ethernet Hubs + 10% spares		



IBM RS/6000

TPC-C Rev. 3.5

ORACLE

Enterprise Server M80 c/s

Report Date: May 31, 2000

Description	Part No.	Source	Unit Price	Qty	Ext Price	Maint Price
Server Hardware						
RS/6000 Server Model M80	7026-M80		1,045	1	1,045	17,520
32x CD-ROM drive	2624		375	1	375	0
9.1 GB 1" Ultra SCSI Hard Disk	2908		1,160	2	2,320	0
Async Terminal/ Cable	2934		45	1	45	0
10/100 Mbs Ethernet PCI Adapter	2968		275	6	1,650	0
Remote I/O Cable - 3m	3142		595	3	1,785	0
Memory Expansion Feature	4073		1,500	2	3,000	0
4096 MB (8x512) Memory	4135		53,248	8	425,984	0
4-way 500 Mhz, 4MB L2	5203		85,000	2	170,000	40,320
System Control & Initialization Cable	5992		75	1	75	0
Power Control Cable	6008		45	2	90	0
CEC to Primary drawer Power Cable	6132		95	1	95	0
190A Processor Power Regulators	6197		4,000	1	4,000	0
Advanced Serial RAID Plus Adapter	6230		3,000	7	21,000	0
32 MB Fast-Write Cache Option Card	6235		575	2	1,150	0
Redundant AC power, IO drawer	6283		725	2	1,450	0
Redundant AC power, CEC	6284		750	1	750	0
Primary I/O Drawer	6324		8,000	1	8,000	0
Secondary I/O Drawer	6325		7,000	1	7,000	0
IPL Disk Mounting Kit	6540		100	1	100	0
Info Window II ASCII Display Station	3153-BG3		577	1	577	608
System Rack Model T00 (6098,6107)	7014-T00		3,550	4	14,200	6,144
Additional Power Distribution Unit	6171		1,000	6	6,000	0
SSA Disk Subsystem (8031)	7133-D40		13,000	26	338,000	229,632
50/60 Hz AC, 300 VDC Power Supply	8022		2,000	26	52,000	0
Prestige 650VA, 110-127V 50/60Hz	9910-U01		698	1	698	0
18 GB Disk Drive Modules	8518		4,500	416	1,872,000	0
SSA Cables (8801, 8802)	8801		125	26	3,250	0
			Subtotal		2,936,639	294,224
Server Software						
AIX 4.3.3 for M80	5765-C34		50	1	50	25,780
IBM C for AIX V4.4	5765-C64		799	1	799	19,200
Oracle8i (TM) Enterprise Edition(64-bit) Release 3 (8.1.7) for AIX		1	363,404	1	363,404	363,404
			Subtotal		364,253	408,384
Client Hardware						
RS/6000 Model F50	7025-F50		13,900	6	83,400	66,240
Intg SCSI-2 FW, Intg Enet, CDROM						
2 x 9.1 GB 1" Ultra SCSI Disk (2919)	2908		1,160	6	6,960	0
Async Terminal/ Cable	2934		45	6	270	0
10/100 M bps Ethernet Adapter, PCI	2968		275	18	4,950	0
Memory Expansion Feature	4093		1,038	6	6,228	0
256MB SDRAM DIMM Memory	4106		1,280	6	7,680	0
256MB SDRAM DIMM Memory	4110		2,560	66	168,960	0
2-way 332MHz, 512KB L2	4357		3,000	6	18,000	14,688
2-way 332MHz, 512KB L2	4359		10,000	6	60,000	31,968
Media Bay Disk Drive Mounting Kit	6509		50	6	300	0
IBM ASCII Terminal, Keyboard, Cable	3153-BG3		577	6	3,462	3,648
			Subtotal		360,210	116,544
Client Software						
AIX 4. Unlimited Users	5756-C34		50	6	300	1,494
IBM Websphere Application Server Enterprise Edition Version 3.0	41L3462		21,000	6	126,000	2,881
			Subtotal		126,300	4,375
User Connectivity						
8port Ethernet Switch + 2 Spare	ES-3108P	2	79	8	632	2,496
Ethernet Hub (8port) + 10% Spares	CT1008D/P	3	18.00	7,306	131,508	0
			Subtotal		132,140	2,496
			Discounts		(1,540,799)	(107,710)
			Total		2,378,743	718,312
Notes:						
Pricing Sources:						
1= Oracle, 2= PC Connection, 3= NetCruiser Technologies, Inc						
Audited by: Brad Askins and Francois Raab, Info Sizing						
Five-Year Cost of Ownership:					tpm C	3,097,055
					\$/tpm C	66,750.27
						46.40

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

Numerical Quantities Summary for the IBM RS/6000 M80

MQTH, computed Maximum Qualified Throughput: 66,750.27 tpmC

Repeatability Run: 66,738.70 tpmC 0.017% difference

<u>Response Times (in seconds)</u>	<u>90th %</u>	<u>Average</u>	<u>Maximum</u>
New Order	0.85	0.39	105.10
Payment	0.77	0.34	105.46
Order-Status	0.83	0.37	101.69
Delivery (interactive)	0.19	0.11	2.62
Delivery (deferred)	1.18	0.48	8.03
Stock-Level	1.19	0.66	106.34
Menu	0.01	0.00	2.47

<u>Transaction Mix, in percent of total transactions</u>	<u>Percent</u>
New Order	44.88%
Payment	43.01%
Order-Status	4.05%
Delivery	4.02%
Stock-Level	4.02%

<u>Keying/Think Times (in seconds)</u>	<u>Min.</u>	<u>Average</u>	<u>Max.</u>
New Order	18.00/0.01	18.01/12.03	18.12/120.21
Payment	3.00/0.01	3.01/12.01	3.15/120.21
Order-Status	2.00/0.01	2.01/10.00	2.14/100.11
Delivery	2.00/0.01	2.01/5.01	2.11/50.20
Stock-Level	2.00/0.01	2.01/5.01	2.10/50.21

Test Duration

Ramp-up Time	39 min 55 sec
Measurement interval	30 minutes
Transactions during measurement interval (all types)	4,461,742
Ramp-down time	10 minutes

Checkpointing

Number of checkpoints	1
Checkpoint interval	29 min 41 sec