



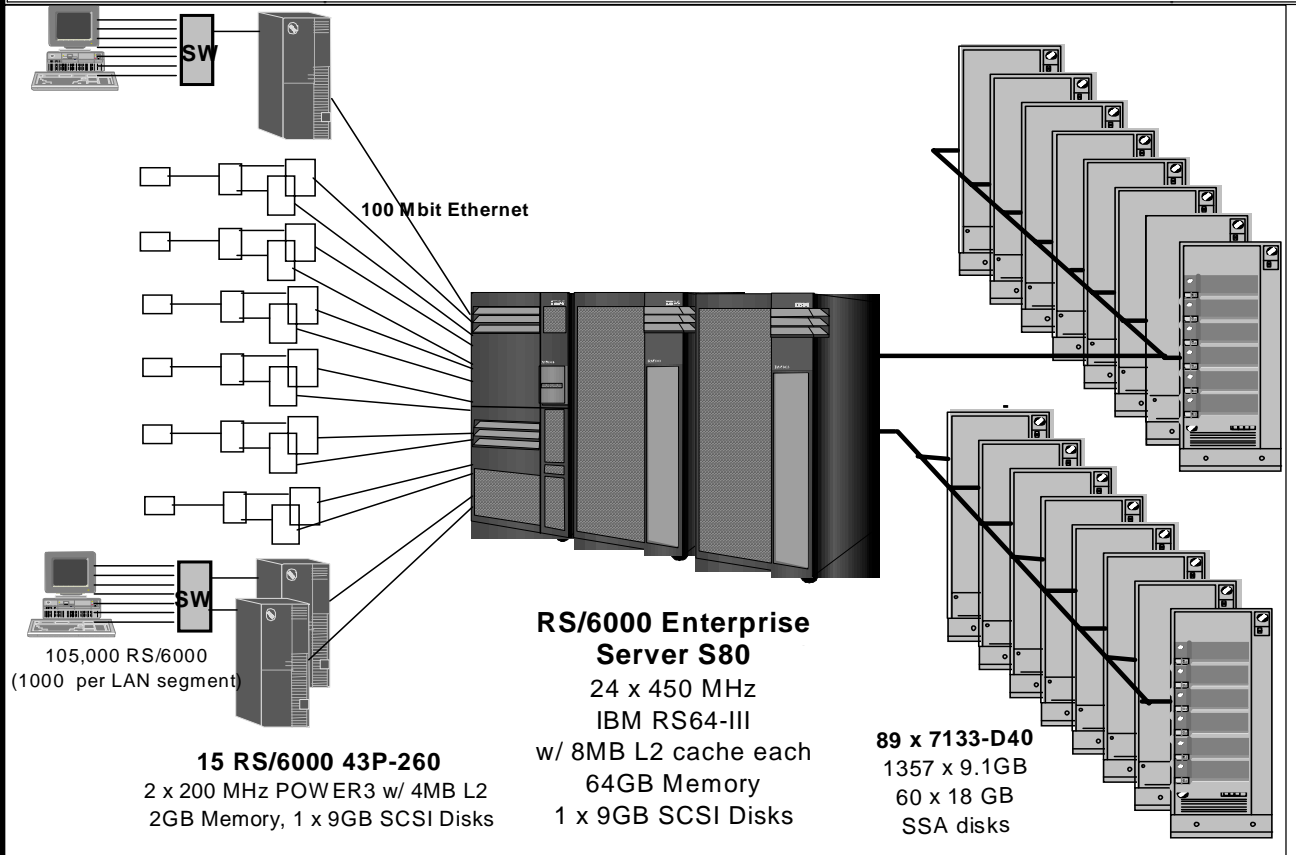
IBM RS/6000 Enterprise Server S80 c/s

TPC-C Rev. 3.4



Report Date:
Oct. 5, 1999

Total System Cost	TPC-C Throughput	Price/Performance	Availability Date	
\$7,362,509	126,671.10 tpmC	\$58.12/tpmC	March 1, 2000	
Processors	Database Manager	Operating System	Other Software	No. Users
24 x IBM RS64-III	Oracle Version 8.1.6	AIX 4.3.3	TXSeries 4.2 for AIX	105,000



System Components	Clients		Server	
	Quantity	Description	Quantity	Description
Processor	15	2 x 200 MHz POWER3 w/ 4MB L2 cache each	24	450 MHz IBM RS64-III w/ 8MB L2 cache each
Memory		2 GB		64 GB
Disk Controllers	15	SCSI-2 Adapters	2	SCSI-2 Adapters
			18	SSA Adapters
Disk Drives	15	9.1 GB SCSI	1,357	9.1 GB SSA Disks
			60	18 GB Disk
			1	9.1 GB SCSI Disk
Total Storage		9.1 GB each client		12,358.4 GB
Terminals	15	System Console	1	System Console
Term. Connect	14,438	CentreCOM 8-Port Ethernet Hubs + 10% spares		



ORACLE

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Description	Part No.	Source	Unit Price	Qty	Ext Price	Maint Price
Server Hardware						
RS/6000 Server Model S80	7017-S80	1	11,398	1	11,398	48,960
16bit PCI SCSI cables	2447	1	75	1	75	0
32x CD-ROM drive	2624	1	375	1	375	0
9.1 GB 1" Ultra SCSI Hot Swap	2913	1	1,400	1	1,400	0
Async/Terminal Cable	2934	1	45	1	45	0
10/100 Mbs Ethernet PCI Adapter	2968	1	275	16	4,400	0
Remote I/O Cable (3142, 3143) set	3142	1	3,310	1	3,310	0
16384 MB (4x4096) R1 Memory	4194	1	147,456	4	589,824	0
6way RS64 III 450 Mhz, 8MB L2	5318	1	200,000	4	800,000	322,560
I/O Power Cable set (6006,7,8)	6000	1	685	1	685	0
1000 Watt AC Power Supply	6193	1	765	1	765	0
Power Regulators (6194, 6195)	6194	1	2,505	1	2,505	0
Ultra SCSI PCI-Bus Adapter	6206	1	395	2	790	0
Advanced SerialRAID Adapter	6225	1	3,000	18	54,000	0
32 MB Fast-Write Cache Option	6235	1	575	3	1,725	0
SCSI I/O Drawer, 10 EIA	6320	1	23,766	4	95,064	0
Primary I/O Drawer Group	6321	1	600	1	600	0
Secondary I/O Drawer Group	6323	1	734	3	2,202	0
Support Processor Group	6326	1	2,700	1	2,700	0
Remote I/O Hub, Dual Loop	6503	1	8,000	1	8,000	0
SCSI 6-pack Hot Swap Back Plane	6547	1	600	1	600	0
I/O Rack	7000	1	3,500	2	7,000	0
Prestige 6000VA, 208-240V UPS	9910-EP8	1	5,505	1	5,505	0
Prestige EXT UPS, Rack Mount	9910-U33	1	3,822	2	7,644	0
System Rack Model S00	7014-S00	1	3,500	15	52,500	25,200
Additional Power Distribution Unit	6171	1	1,000	15	15,000	0
SSA Disk Subsystem, Black Cover	7133-D40	1	13,000	89	1,157,000	854,400
50/60 Hz AC, 300 VDC Power Supply	8022	1	2,000	89	178,000	0
9.1 GB Disk Drive Modules	8209	1	2,760	1,357	3,745,320	0
18 GB Disk Drive Modules	8209	1	4,500	60	270,000	0
SSA Cables	8802	1	65	178	11,570	0
			Subtotal		7,030,002	1,251,120
Server Software						
AIX 4.3.3 for S80	5765-C34	1	175	1	175	0
IBM C for AIX V4.4	5765-C64	1	799	1	799	0
Performance Toolbox	5765-654	1	450	1	450	0
Oracle Version 8.1.6 64bit		2	695,970	1	695,970	695,970
			Subtotal		697,394	695,970
Client Hardware						
RS/6000 Model 43P-260	7043-260	1	6,002	15	90,030	110,160
9.1 GB SCSI Hard Disk	2908		1400	15	21,000	0
Async Terminal/Printer Cable	2934	1	45	15	675	0
10/100 Mbps Ethernet Adapter, PCI	2968	1	275	30	8,250	0
Memory Expansion Feature	4098	1	1,038	15	15,570	0
512MB SDRAM DIMM Memory	4119	1	6,400	60	384,000	0
200 MHz Power3 Processor, 4MB L2	4342		8,000	30	240,000	0
IBM ASCII Terminal, Keyboard, Cable	3153-BG3	1	577	16	9,232	0
			Subtotal		768,757	110,160
Client Software						
AIX 4. Unlimited Users	5756-C34	1	9,800	15	147,000	0
IBM TXSeries 4.2 for AIX	5697-D17	1	3,353	15	50,289	17,625
			Subtotal		197,289	17,625
User Connectivity						
16port Ethernet Switch + 2 Spare	Nbase	3	1,400	10	14,000	3,120
Ethernet Hub (8port) + 10% Spares	DEH2924	4	39.95	14,438	576,798	0
			Subtotal		590,798	3,120
			Discounts		(3,576,232)	(423,494)
			Total		5,708,008	1,654,501

Notes:

Pricing Sources:

1=Pioneer-Standard, 2=Oracle, 3=Nbase, 4=Data Comm Warehouse

Audited by: Francois Raab , Info Sizing

Five-Year Cost of Ownership:

7,362,509

tpm C 126,671.10

\$/tpm C 58.12

Prices used in TPC benchmarks reflect the actual prices a customer would pay for a one-time purchase of the stated component. 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