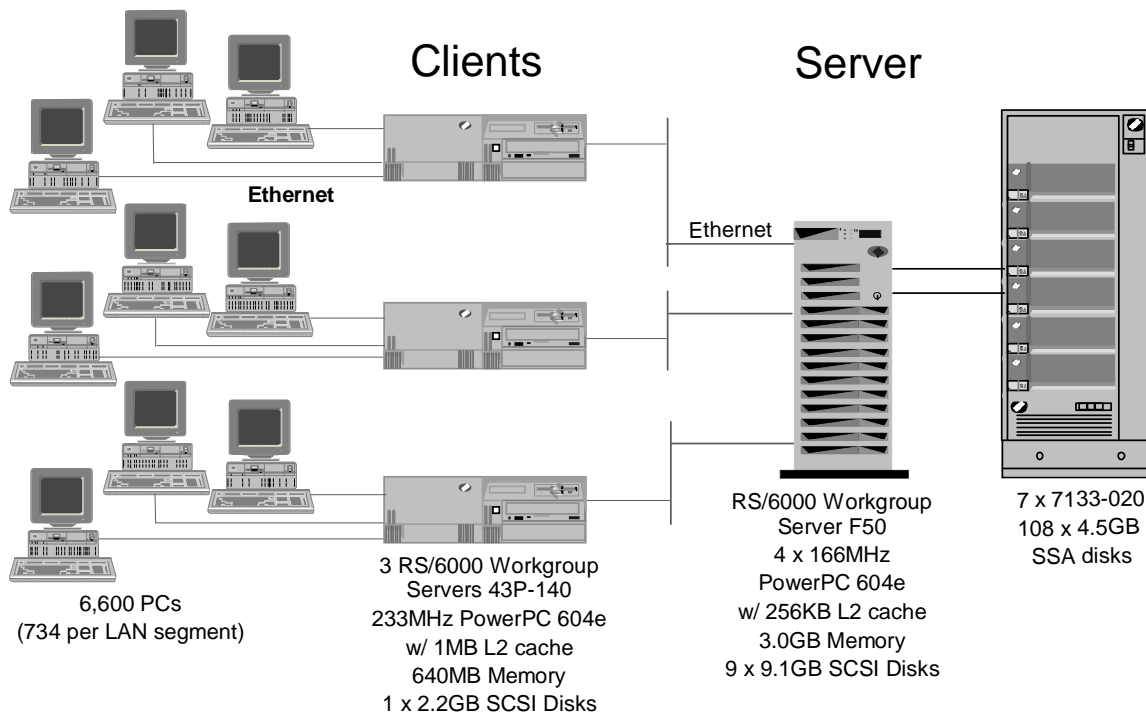
	IBM RS/6000 Workgroup Server F50 c/s		TPC-C Rev. 3.3	
			Report Date: May 12, 1997 Pricing Update: Feb. 12, 1998	
Total System Cost	TPC-C Throughput	Price/Performance	Availability Date	
\$510,643	8,142.4 tpmC	\$62.71/tpmC	September 30,1997*	
Processors	Database Manager	Operating System	Other Software	Number of Users
4 x 166MHz IBM PowerPC 604e	Sybase Adaptive Server Enterprise 11.5	AIX 4.2.1	Tuxedo 6.2 Sybase Open Client /C	6,600

RS/6000 Workgroup Server F50



*Sybase Adaptive Server Enterprise 11.5 available September 30, 1997, All other components available today.

System Components	Clients		Server	
	Quantity	Description	Quantity	Description
Processor	3	233MHz PowerPC 604e w/ 1MB L2 cache	4	166MHz PowerPC 604e w/ 256KB L2 cache
Memory		640MB each		3.0GB
Disk Controllers	3	SCSI-2 Adapters	3	SCSI-2 Adapters SSA Adapters
Disk Drives	3	2.2GB SCSI	108	4.5GB SSA Disks 9.1 SCSI F/W Disks
Total Storage		2.2 GB each client		529.31 GB
Terminals	3	System Console	1	System Console
Term. Connect	303	CentreCOM 24 Port Ethernet Hubs + 10% spares		



IBM RS/6000 Workgroup Server F50 c/s

TPC-C Rev. 3.3

Report Date: May 12, 1997
Pricing Update: Feb. 12, 1998

Description	Part Number	Third Party Brand Pricing	Unit Price	Qty	Extended Price	5 yr. Maint Price
Server Hardware						
RS/6000 Server Model F50 1 604e, 128mb Memory, 4.5GB Disk, 2 Intg SCSI2 F/W Adptr, CDROM	7025-F50		1 19,900	1	19,900	11,952
604e 2way Proc Card Select, 2-256kb L2	4303		1 4,000	1	4,000	3,120
604e 2way Proc Card, 2-256kb L2	4309		1 8,000	1	8,000	6,240
256MB DIMM Memory Select	4106		1 3,200	1	3,200	0
256MB DIMM Memory Modules	4110		1 6,400	11	70,400	0
Memory Expansion Feature 2nd Card	4093		1 1,038	1	1,038	0
9.1GB SCSI-2 F/W Hot Swap Disk	2911		1 3,850	8	30,800	0
9.1GB SCSI-2 F/W Hot Swap Disk Sel	3019		1 1,800	1	1,800	0
SCSI Hot Swap 6-Pack Kits	6519		1 750	1	750	0
16-bit Integrated SCSI Adapter Cable	2444		1 66	1	66	0
PCI Ethernet Adapter	2985		1 195	2	390	0
PCI SCSI-2 F/W Adapter	6208		1 360	1	360	0
PCI SSA 4port RAID Adapter	6215		1 3,000	3	9,000	0
System Rack Model R00	7015-R00		1 3,110	2	6,220	2,976
SSA Disk Subsystem w/ 4 4.5GB Disk	7133-020		1 19,350	7	135,450	67,200
4.5 GB Disk Drive Modules	3401		1 2,100	80	168,000	0
SSA Cables	5010		1 40	14	560	0
Subtotal					<u>459,934</u>	<u>91,488</u>
Server Software						
AIX 4.2.1 F50 + Support	5765-C34		1 240	1	240	0
Adaptive Server Enterprise 11.5 incl Client		Sybase	2 35,995	1	35,995	28,000
Subtotal					<u>36,235</u>	<u>28,000</u>
Client Hardware						
RS/6000 Model 43P-140, 233 MHz 2.1gb Disk, Intg SCSI-2 FW, Intg Enet	7043-140		1 8,000	3	24,000	10,080
128MB DIMM Memory	4102		1 1,280	3	3,840	0
128MB DIMM Memory Expansion	4115		1 2,560	12	30,720	0
Async Terminal/Printer Cable	2934		1 45	4	180	0
Ethernet Adapter, PCI	2985		1 195	9	1,755	0
Subtotal					<u>60,495</u>	<u>10,080</u>
Client Software						
AIX 4.1.5 Unlimited Users	5756-C34		1 3,660	3	10,980	0
Tuxedo EPT Ver 6.2, 43P Client		BEA	3 3,000	3	9,000	6,750
Subtotal					<u>19,980</u>	<u>6,750</u>
User Connectivity						
Ethernet Hub (24port)	AT3024TR	CentreCOM	4 215.95	275	59,386	0
Ethernet Hub 10% Spares	AT3024TR	CentreCOM	4 215.95	28	6,047	0
IBM ASCII Terminal, Keyboard	3153-BG3		1 577	4	2,308	2,640
Subtotal					<u>67,741</u>	<u>2,640</u>
Discounts					<u>(240,281)</u>	<u>(32,419)</u>
Total					404,104	106,539

Notes:

Pricing Sources:

1=Dickens Data, 2=Sybase, 3=BEA Systems, 4=Data Comm Warehouse

Audited by: Francois Raab, Information Paradigm

Five-Year Cost of Ownership: 510,643

tpm C Rating: 8,142.40

\$/tpm C: 62.71

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 F50

MQTH, computed Maximum Qualified Throughput: 8,142.4 tpmC

Repeatability Run: 8,090.03 tpmC 0.6% difference

<u>Response Times (in seconds)</u>	<u>90th Percentile</u>	<u>Average</u>
New Order	1.54	0.66
Payment	1.45	0.58
Order-Status	1.52	0.7
Delivery (interactive)	0.61	0.27
Delivery (deferred)	2	1.14
Stock-Level	2.51	1.2
Menu	0.01	0.01

<u>Transaction Mix, in percent of total transactions</u>	<u>Percent</u>
New Order	44.59%
Payment	43.26%
Order-Status	4.08%
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	18.00/12.13	18.11/121.00
Payment	3.00/0.01	3.00/12.12	3.10/121.00
Order-Status	2.00/0.01	2.00/10.12	2.11/101.00
Delivery	2.00/0.01	2.00/5.12	2.10/51.00
Stock-Level	2.00/0.01	2.00/5.10	2.08/45.71

Test Duration

Ramp-up Time	34 min 16 sec
Measurement interval	30 minutes
Transactions during measurement interval (all types)	547,709
Ramp-down time	15 minutes

Checkpointing

Number of checkpoints	1
Checkpoint interval	30