RISC System/6000 PowerPC Server R30 c/s

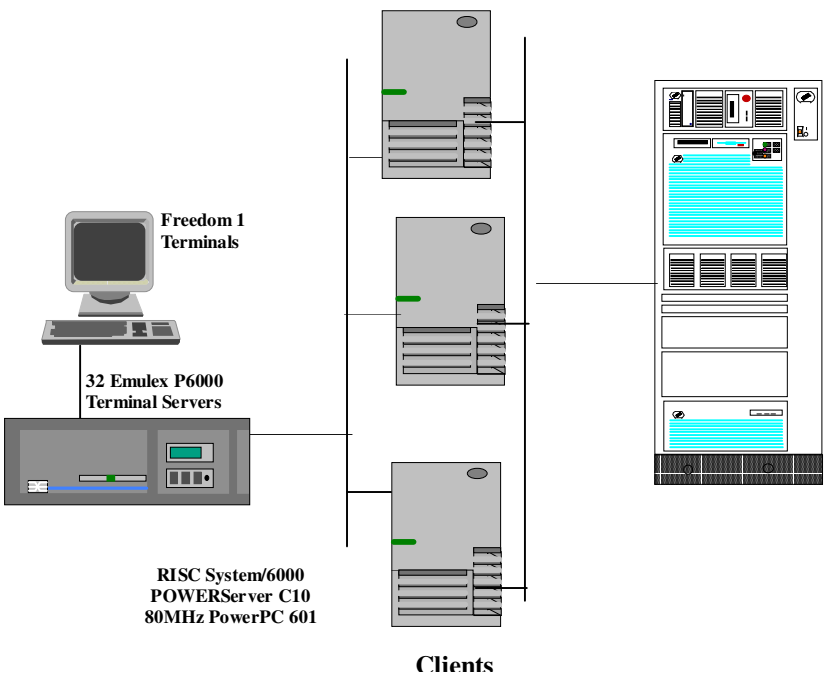
TPC-C Rev. 3.0

Report Date: June 19, 1995

Total System Cost	TPC-C Local Throughput	Price/Performance	Availability Date:
$1,106,716	**3,119.16tpmC**	**$355/tpmC**	now except: DB2 for AIX:12/15/95 cpu 5-8: 8/25/95

Processors	Data Base Manager	Operating System	Other Software	Number of users
(8) 75 Mhz PowerPC 601	DB2 for AIX Version 2.1	AIX 4.1.2	IMC Tuxedo EPT 4.2.1 DB2 Client Application Enabler for AIX (Included with DB2 for AIX)	2,750

Priced System Configuration



RISC System/6000 PowerPC Server R30

(8) 75MHZ PowerPC 601s
8 MB L2 Cache
2GB Memory
30 - 4.5GB SCSI Disk
51 - 2.2GB SCSI Disk

System Components	Qty	Client Description	Qty	Server Description
Processors	3	IBM RS/6000 C10	1	IBM RS/6000 R30
Memory	3	256 MB	4	512 MB Main Memory
Disk Controllers		Integrated SCSI	10	SCSI-2 Adapter
Disk Drives	3	2.0 GB SCSI Disks	30 51	4.5 GB SCSI-2 Disks 2.2GB SCSI-2 Disks
Total GB of Storage		2 GB each client		232.84 GB
Tape Drives				
Terminals	4	Liberty Freedom 1 console		
Terminal Connectivity	32	Emulex Terminal Server		Direct Connect

RISC System/6000
POWERServer R30 c/s

TPC-C Rev. 3.0

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Item Description	PART#	Unit Price	Qty	Ext Price	MAINT	TOTALS
PowerPC Server R30-8 Dual 601, 64mb Memory, 1.1gb Disk,SCSI2 Diff F/W Adptr, CDROM	7015-R30	80,900	1	80,900	38,832	119,732.00
Dual Processor card, 1mb L2	4302	15,000	3	45,000	21,600	66,600.00
Select 64mb->512mb Mem.	4146	36,450	1	36,450	0	36,450.00
Add 512mb Memory Cards	4158	48,600	3	145,800	0	145,800.00
Int. 1.1gb->2.2gb SCSI2 Sel.	3039	0	1	0	0	0.00
Ethernet Adapter	2980	722	1	722	0	722.00
SCSI-2 DE HiPerf Adapters	2416	1,370	10	13,700	0	13,700.00
System Rack Model R00	7202-900	3,110	2	6,220	2,976	9,196.00
Deep Door for MP Rack	6096	500	1	500	0	500.00
High Density SCSI Disk S/S	7134-010	13,400	5	67,000	33,600	100,600.00
4.5 GB Disk Drive Mod 14 Sel	2742	3,390	28	94,920	0	94,920.00
4.5 GB Disk Drive Mod	2714	4,500	2	9,000	0	9,000.00
2.2 GB Disk Drive Mod 14 Sel	2732	1,760	42	73,920	0	73,920.00
2.2 GB Disk Drive Module	2712	2,600	8	20,800	0	20,800.00
Internal Expansion Unit	4002	1,800	5	9,000	19,200	28,200.00
SCSI Cables	2902	321	5	1,605	0	1,605.00
POWERsrv C10 16mb/1gb	7009	10,995	3	32,985	16,560	49,545.00
External L2 Cache 1MB	4044	1,500	2	3,000	0	3,000.00
Select 4mb -> 32mb SIMM	4026	2,105	12	25,260	0	25,260.00
Add. 32mb SIMM Memory	4012	2,400	12	28,800	0	28,800.00
Select 1gb -> 2gb Disk	2583	1,300	3	3,900	0	3,900.00
Ethernet Adapter	9980	incl	3	0	0	0.00
Terminal Server Accelerator	2407	6,284	3	18,852	3,312	22,164.00
Emulex Terminal Servers	P6000	2,040	32	65,280	0	65,280.00
Emulex 8port modules	PE6008	324	344	111,456	0	111,456.00
Emulex Terminal Srv (spares)	P6000	2,040	4	8,160	0	8,160.00
Emulex 8port mod (spares)	PE6008	324	34	11,016	0	11,016.00
Freedom One Terminal	Liberty	259	4	1,036	152	1,188.00
				-----	-----	-----
		Hardware Subtotal		915,282	136,232	1,051,514.00
Software						
AIX 4.1.2 J30 + Support	5765-393	3,000	1	3,000	23,700	26,700.00
AIX 3.2.5 C10 + Support	5756-030	6,350	3	19,050	2,970	22,020.00
Async Term Srv Accel	5765-268	195	3	585	0	585.00
IMC Tuxedo EPT, C10 Client		3,500	3	10,500	7,875	18,375.00
DB2 for AIX V2.1 Server (60)		29,708	1	29,708	0	29,707.50
DB2/6000 Client Support		incl	1	0	0	0.00
Emulex Software - Site		149	1	149	0	149.00
				-----	-----	-----
		Software Subtotal		62,992	34,545	97,536.50
				========	========	========
		System Total		978,274	170,777	1,149,050.50
Discounts	%Disc	Volume				
MidRange Service Agreement	17%	136,080				(23,133.60)
Extended Maint. Option	17%	112,946				(19,200.89)
						========
				Total Five Year Cost		1,106,716.01
				tpmC		3,119.16
				$/tpmC		354.81

Warranties:

1. All listed RISC System/6000 hardware includes One (1) Year Onsite Parts & Labor Warranty
2. Emulex P6000, PE6008 units include Five (5) Year Parts & Labor Warranty
3. Liberty Freedom One Terminals include Four (4) Years Parts & Labor Warranty

RISC System/6000 PowerPC Server J30 c/s

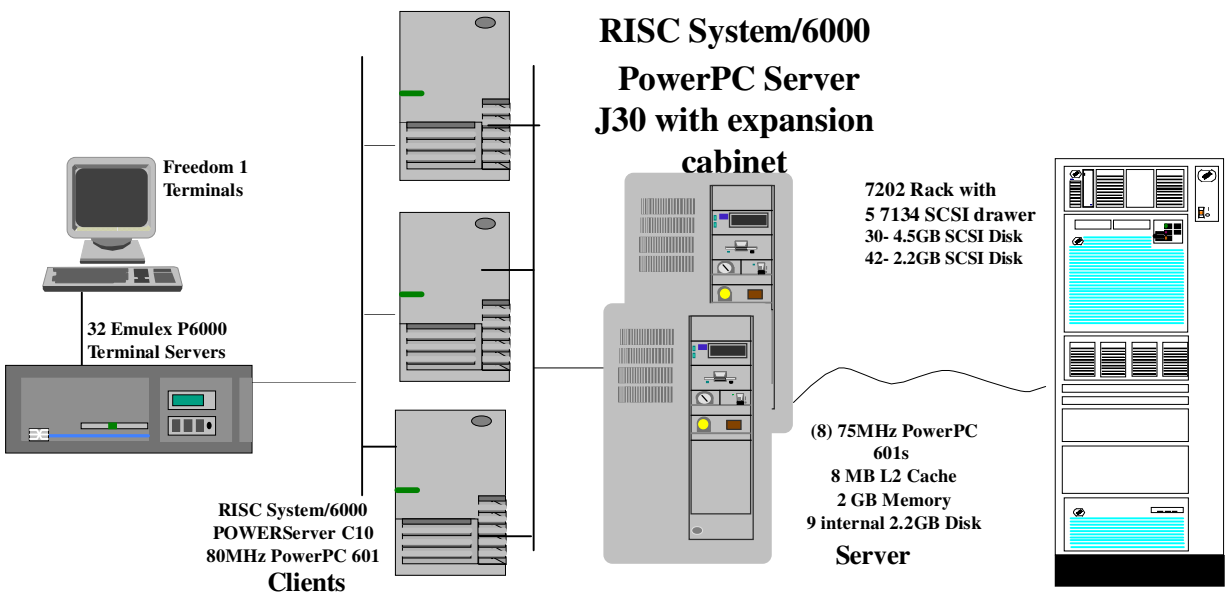
TPC-C Rev. 3.0

Report Date: June 19, 1995

Total System Cost	TPC-C Local Throughput	Price/Performance	Availability Date:
$1,089,831	3,119.16 tpmC	$349/tpmC	now except: DB2 for AIX:12/15/95 cpu 5-8: 8/25/95

Processors	Data Base Manager	Operating System	Other Software	Number of users
(8) 75 Mhz PowerPC 601	DB2 for AIX Version 2.1	AIX 4.1.2	IMC Tuxedo EPT 4.2.1 DB2 Client Application Enabler for AIX (Included with DB2 for AIX)	27 50

Priced System Configuration



System Components	Qty	Client Description	Qty	Server Description
Processors	3	IBM RS/6000 C10	1	IBM RS/6000 J30
Memory		256 MB each client	4	512 MB Main Memory
Disk Controllers		Integrated SCSI	9	SCSI-2 Adapter
Disk Drives	2	2.0 GB SCSI Disks	30 51	4.5 GB SCSI-2 Disks 2.2GB SCSI-2 Disks
Total GB of Storage		2 GB each client		232.84 GB
Tape Drives				
Terminals	4	Liberty Freedom 1 console		
Terminal Connectivity	32	Emulex Terminal Server		Direct Connect

RISC System/6000
POWERServer J30 c/s

TPC-C Rev. 3.0

Report Date: June 19, 1995

Item Description	PART#	Unit Price	Qty	Ext Price	MAINT	TOTALS
PowerPC Server J30-8 Dual 601, 64mb Memory, 2.2gb Disk,SCSI2 Diff F/W Adptr, CDROM	7013-J30	67,500	1	67,500	32,400	99,900.00
Dual Processor card, 1mb L2	4302	15,000	3	45,000	21,600	66,600.00
Select 64mb->512mb Mem.	4146	36,450	1	36,450	0	36,450.00
Add 512mb Memory Cards	4158	48,600	3	145,800	0	145,800.00
Int. 2.2gb SCSI2 Disk Select	9133	incl	1	0	0	0.00
Int. 2.2gb SCSI2 Disks	3053	2,500	6	15,000	0	15,000.00
Ethernet Adapter	2980	722	1	722	0	722.00
SCSI-2 DE HiPerf Adapters	2416	1,370	9	12,330	0	12,330.00
Expansion Cabinet	7013-J01	11,000	1	11,000	5,280	16,280.00
Int. 2.2gb SCSI2 Disks	3053	2,500	2	5,000	0	5,000.00
System Rack Model R00	7202-900	3,820	1	3,820	912	4,732.00
High Density SCSI Disk S/S	7134-010	13,400	5	67,000	33,600	100,600.00
4.5 GB Disk Drive Mod 14 Sel	2742	3,390	28	94,920	0	94,920.00
4.5 GB Disk Drive Module	2714	4,500	2	9,000	0	9,000.00
2.2 GB Disk Drive Mod 14 Sel	2732	1,760	42	73,920	0	73,920.00
Internal Expansion Unit	4002	1,800	5	9,000	19,200	28,200.00
SCSI Cables	2902	321	5	1,605	0	1,605.00
POWERsrv C10 16mb/1gb	7009	10,995	3	32,985	16,560	49,545.00
External L2 Cache 1MB	4044	1,500	2	3,000	0	3,000.00
Select 4mb -> 32mb SIMM	4026	2,105	12	25,260	0	25,260.00
Add. 32mb SIMM Memory	4012	2,400	12	28,800	0	28,800.00
Select 1gb -> 2gb Disk	2583	1,300	3	3,900	0	3,900.00
Ethernet Adapter	9980	incl	3	0	0	0.00
Terminal Server Accelerator	2407	6,284	3	18,852	3,312	22,164.00
Emulex Terminal Servers	P6000	2,040	32	65,280	0	65,280.00
Emulex 8port modules	PE6008	324	344	111,456	0	111,456.00
Emulex Terminal Srv (spares)	P6000	2,040	4	8,160	0	8,160.00
Emulex 8port mod (spares)	PE6008	324	34	11,016	0	11,016.00
Freedom One Terminal	Liberty	259	4	1,036	152	1,188.00
		Hardware Subtotal		907,812	133,016	1,040,828.00
Software						
AIX 4.1.2 J30 + Support	5765-393	3,000	1	3,000	16,500	19,500.00
AIX 3.2.5 C10 + Support	5756-030	6,350	3	19,050	2,970	22,020.00
Async Term Srv Accel	5765-268	195	3	585	0	585.00
IMC Tuxedo EPT, C10 Client		3,500	3	10,500	7,875	18,375.00
DB2 for AIX V2.1 Server (60)		29,708	1	29,708	0	29,707.50
DB2/6000 Client Support		incl	1	0	0	0.00
Emulex Software - Site		149	1	149	0	149.00
		Software Subtotal		62,992	27,345	90,336.50
		System Total		970,804	160,361	1,131,164.50
Discounts	%Disc	Volume				
MidRange Service Agreement	17%	132,864				(22,586.88)
Extended Maint. Option	17%	110,277				(18,747.11)
					Total Five Year Cost	1,089,830.51
					tpmC	3,119.16
					$/tpmC	349.40

Warranties:

1. All listed RISC System/6000 hardware includes One (1) Year Onsite Parts & Labor
2. Emulex P6000, PE6008 units include Five (5) Year Parts & Labor Warranty
3. Liberty Freedom One Terminals include Four (4) Years Parts & Labor Warranty