
TPC Benchmark TM

Executive Summary

Attached is the 2-page executive summary to an official TPC-A, TPC-B, or TPC-C Full Disclosure Report. This executive summary contains detailed configuration and pricing information on the system tested. This executive summary conforms to the format as specified by the Transaction Processing Performance Council (TPC).

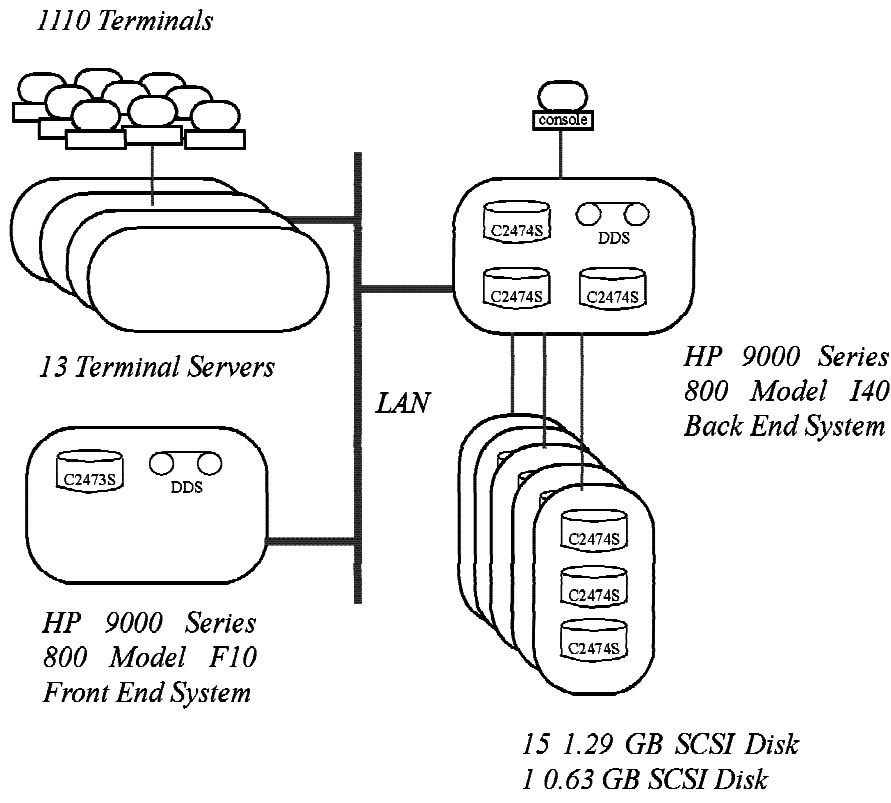
Further information and the Full Disclosure Report for this and other TPC benchmark results are available from your Hewlett-Packard sales representative or by contacting the TPC at the following location:

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Hewlett Packard	9000 Series 800 Model I40 Client/Server Configuration		TPC-A Rev 1.1	
			Report Date: June 28, 1993	
Total System Cost	TPC-A Throughput		Price/Performance	
\$888,107	110.53 tpsA-Local		\$8,035 per tps-A Local	
Processors	Database Manager	Operating System	Other Software	# Users
1 HPPA 1.1 64 MHz	SYBASE SQLServer v. 4.9.1 (relational)	Server: HP-UX 9.0 Client: HP-UX 8.02	HP C/HP-UX v. 8.17 compiler	1,110



System Components		
	Back End System	Front End System
Processors	1 HP-PA 1.1 64 MHz processor with 256 KB I and D caches, floating point coprocessor.	1 HP-PA 1.1 32 MHz processor with 32 KB I cache, 64 KB D cache, floating point coprocessor
Memory	128 MB of main memory	320 MB of main memory
Disk Controllers	3 HP-PB SCSI adapters	1 HP-PB SCSI adapters
Disk Drives	15 1.26 GB disk drives, 1 0.63 GB disk drive	1 0.63 disk drive
Total GB of Storage	19.53 GB	0.63 GB
Tape Drives	1 DDS Storage System	1 DDS Storage System
Terminals	1 console terminal	1 console terminal, 1110 user terminals
Terminal Connectivity	1 LAN/9000 connection	1 LAN/9000, 13 terminal servers

Description	Part Number	Hardware and Software Pricing		Support Pricing		5 Year Service	
		Unit Price	Quantity	Extended Price	Unit Price		Quantity
Hewlett Packard 9000 Model I40	A2364A	73,000	1	73,000	635.00	1	30,480
Hardware & Software Support, Year 1	Option 0S3				611.17	1	7,334
HP-UX System Media on DAT, Mat'ls	B2459A, Option AAH	840	1	840	484.00	1	23,232
Add 64 MB ECC Memory Module	A2511AZ, Option ODZ	6,400	1	6,400			
Add Floating Point Coprocessor	A2293A, Option ODW	2,000	1	2,000			
Delete 4 GB Internal Disk	A2443A, Option 703	(11,360)	1	(11,360)			
Add 1.3 GB Internal Disk	C2474SZ, Option ODZ	6,320	3	18,960	21.00	3	3,024
Support, Year 1	Option 0S3				6.42	3	231
HP-PB SCSI/Parallel Host Adapter	28655A, Option ODZ	1,095	2	2,190			
1.35 GB Mini-Tower Disk Storage	C2462F, Option O2A	7,050	4	28,200	25.00	4	4,800
Support, Year 1	Option 0S3				10.00	4	480
1.35 GB Disk for Mini-Tower	C2474F, Option O2A	6,550	8	52,400	21.00	8	8,064
Support, Year 1	Option 0S3				8.33	8	800
Factory Installation	Option 0D1	(200)	8	(1,600)			
677 MB Disk for Mini-Tower	C2473F, Option O2A	4,800	1	4,800	18.00	1	664
Support, Year 1	Option 0S3				8.33	1	100
Factory installation	Option 0D1	(200)	1	(200)			
LAN/ARPA/NFS Card and Software	J2146A, Option ODM	1,725	1	1,725			
Total Server Cost				<u>\$177,335</u>			<u>\$79,409</u>
Hewlett Packard 9000 Model F10	A2367A	8,700	1	8,700	59.00	1	2,832
Hardware & Software Support, Year 1	Option 0S1, 0SP				159.83	1	1,918
Site Prep, Installation	Option 0S4	906	1	906			
HP-UX Unlimited User License	B3108L, Option UAT	19,525	1	19,525	149.00	1	7,152
Return Credit For 2-User License	Option UB1	(1,525)	1	(1,525)			
DAT Media Option, Unlimited Users	Option AAH	105	1	105			
HP C/ANSI C Compiler	B2412A, Option AH0	1,575	1	1,575	20.00	1	960
Support, Year 1	Option 0S3				18.75	1	225
DAT Media Option	Option AAH	290	1	290			
Increase Main Memory to 64 MB	A2511AZ, Option ODT	4,000	1	4,000			
Add 64 MB ECC Memory Module	A2511AZ, Option ODZ	6,400	4	25,600			
Add Floating Point Coprocessor	A2293A, Option ODT	500	1	500			
Delete 566 MB Internal Disk	A2443A, Option 701	(2,200)	1	(2,200)			
Add 677 MB Internal Disk	C2473SZ, Option ODZ	4,600	1	4,600	16.00	1	768
Support, Year 1	Option 0S3				6.42	1	77
LAN/ARPA/NFS Card and Software	J2146A, Option ODM	1,725	1	1,725			
Total Client Cost				<u>\$63,801</u>			<u>\$13,932</u>
20% Support Prepay Discount							<u>(18,668)</u>
HP Hardware/Software/Support Total				<u>\$241,136</u>			<u>\$74,673</u>
Terminals	Liberty Freedom	245	1110	271,950			
Terminals (10% Spares)	Liberty Freedom	245	111	27,195	0.63	111	4,218
Terminal Servers - Base Unit (2 Spares)	Emulex P6000/BNC	2,708	15	40,620			
Terminal Servers - 8-Port Cards (14 Sp.)	Emulex PE6008	299	153	45,778			
Total Terminal Package				<u>\$385,543</u>			<u>\$4,218</u>
SYBASE SQL Server 4.9.1 (unlimited)		95,380	1	95,380	596.13	1	35,768
SYBASE Open Client (unlimited)		11,920	1	11,920	74.50	1	4,470
SYBASE Contact Pair (per site)					583.33	1	35,000
SYBASE Total Cost				<u>\$107,300</u>			<u>\$75,238</u>
Hardware/Software/Support Totals				<u>\$733,979</u>			<u>\$154,128</u>
Five (5) Year Cost of Ownership		\$888,107					
tpsA-Local		110.53					
\$/tpsA		\$8,035					