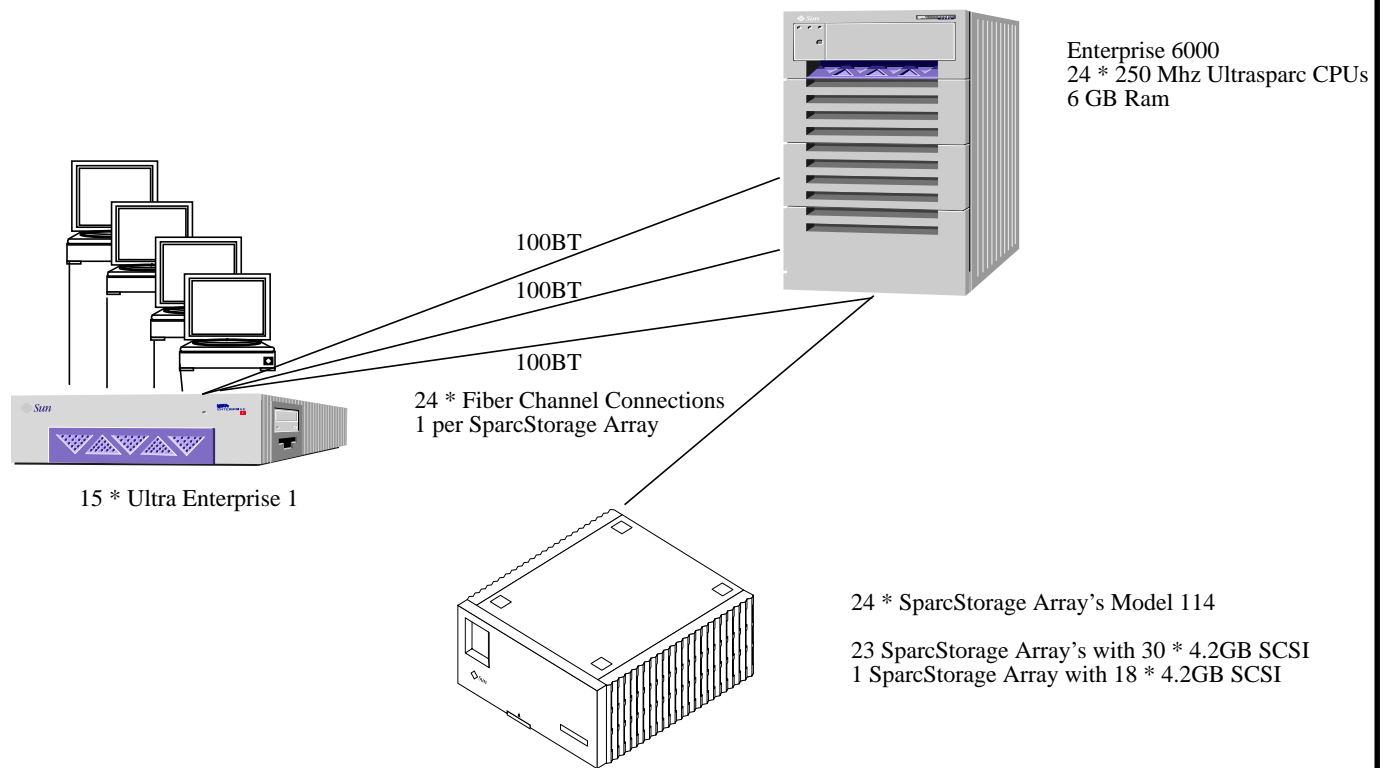


Sun Microsystems		Ultra Enterprise 6000		TPC-C Rev 3.3
Oracle Corp.		C/S w/15 Front-Ends		Report Date: 6/23/1997
Total System Cost		TPC-C Throughput	Price/Performance	Availability Date
\$ 3,391,878		31147.04 tpmC	\$ 108.90 per tpmC	December 15, 1997
Processors	Database Manager	Operating System	Other Software	Number of Users
24 * 250 MHz UltraSPARC	Oracle8 Enterprise Edition 8.0.3 RDBMS	Solaris 2.6	BEA Tuxedo 4.2	26000



System Components

Server System

Front End Systems

Database Nodes:

1 Ultra Enterprise 6000

15 * UltraServer 1 Model 170

Processors

24 * 250 MHz UltraSPARC

1 * 167 MHz UltraSPARC each

Cache memory

32KB (D+I), 4MB external

32KB (D+I), 512KB external, each

Main memory

6 GB

512 MB each

Disk controllers

24 * FC25/S

1 * SCSI-2 each

Disk Drives

708 * 4.2 GB SCSI

1 * 2.1GB SCSI-2 each

Total Disk Storage

2973.6 GB

2.1 GB each

Terminals

1 Console

1 Console each

10 BaseT Hubs

None

1095 x 24-Port Hubs

100 Base T Hubs

3 x 12-Port Hubs

None

Part Number	Description	Qty	Unit Price	Extended Price	Maintenance per Mo/Yr	5 Yr. Total Maintenance
Server Hardware						
<i>Pricing from CAT Technology, Inc.</i>						
E6002	Enterprise Server 6000	1	131,250	131,250	2,448	117,504
2601A	CPU/Memory Board	12	6,750	81,000	154	88,704
2610A	SBUS I/O Board	3	4,875	14,625		
2550A	UltraSPARC 250Mhz 4MB cache	24	14,250	342,000		
954A	Power Cooling Module	6	1,350	8,100		
7002A	64MB for Ex000 (2 * 32MB)	96	750	72,000		
956A	Enterprise Expansion Cabinet	6	6,000	36,000	163	52,812
1057A	Fibre Channel SBus Card	9	1,200	10,800		
595A	Fibre Channel Module	12	450	5,400		
3800A	Power Cord	6	0	0		
959A	SSA Rackmount Acc. kit	6	0	0		
6517AR5	SSA114 with 18 x 4.2GB Drives	1	31,125	31,125		
6519AR5	SSA114 with 30 x 4.2GB Drives	23	44,175	1,016,025		
6104A	0.25" 2.5GB Tape	1	675	675		
SX-WY35-G-G35	Wyse35 Terminal	1	295	295		
Ultra Enterprise 6000 Subtotal:				1,749,295		259,020
Client Hardware						
<i>Pricing from CAT Technology, Inc.</i>						
A11-UBA1-9S-64CE	UltraServer 1 Model 170	15	5,621	84,319	86	69,660
	Ultra 1 - 167MHz, 64MB, 2.1GB,CD					
1059A	SBus Fast Ethernet	30	596	17,880		
X7002A	64 Mb Simm for UltraServer	105	750	78,750		
SX-WY35-G-G35	Wyse35 Terminal	15	295	4,425		
UltraServer 1 Subtotal:				185,374		69,660
User Connectivity						
<i>100Base-T Hub Pricing from SunExpress, 10Base-T Hubs from MicroWarehouse, Inc.</i>						
SUNX-3C250-TXI	12 Port 100Base-T Hub (incl. 2 spares)	5	2425	12,125		
DEH1487	24 Port 10Base-T Hub W/AUI+BNC with 10% spares	1205	216	260,280		
Connectivity Subtotal:				272,405		
ALL HARDWARE SUBTOTALS:				2,207,074		328,680
Server and Client Software						
<i>Sun Software Pricing from Sun</i>						
SOLS-C	Solaris Server Software on CD-ROM	1	100	100		
WCC-4.2-S	SPARC Compiler C/C++ 4.2	1	995	995	17	969
Sun Software Subtotal:				1,095		969
<i>Oracle8 Pricing from Oracle Corp.</i>						
Oracle8	Oracle8 Enterprise Edition 8.0.3 RDBM	1	393,591	393,591		393,591
Oracle Software Subtotal:				393,591		393,591
Client Software						
<i>Tuxedo Pricing from BEA Systems, Inc.</i>						
	Tuxedo 4.2 Runtime	15	4,200	63,000	9,450	47,250
Tuxedo Software Subtotal:				63,000		47,250
ALL SOFTWARE SUBTOTALS:				457,686		441,810
Discount						
Sun 3 year Maintenance Contract Discount (Hardware)		12%				-28,356
Yearly prepayment Discount		5%				-15,016
TOTAL HARDWARE & SOFTWARE COST (5YR) PRICE PER TPMC						3,391,878 108.90

Sun hardware has 1-year warranty bundled.
During the warranty period, maintenance is discounted 50%
for parts that require an upgrade to their standard warranty
Maintenance prices for Oracle and Tuxedo are yearly rates.

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.