



Sun Ultra Enterprise 6000 using Oracle 7

TPC-D 1.2.1

Report Date:
January 22, 1997

Numerical Quantity Summary

Measurement Results:

Database Scaling Factor (SF/Size)	= 300
Total Data Storage / Database Size	= 5.63
Database Load Time	= 17:25:10 hours
Query Streams for Throughput Test	= 0
TPC-D Power Metric (QppD@300GB)	= 1006.0
TPC-D Throughput Metric (QthD@300GB)	= 588.0
Composite QphD@300GB	= 769.1
Total System Price Over 5 Years	= \$2,651,291
TPC-D Price/Performance Metric	= \$3,447

Measurement Intervals:

Measurement Interval in Throughput Test (Ts)	= 31,227 Seconds
Duration of Stream Execution:	

Stream ID	Seed	Start Date	Start Time	End Date	End Time
Stream00	1310552460	Thursday Jan 16	02:45:49 PST	Thursday Jan 16	11:26:16 PST
UF1		Thursday Jan 16	02:45:49 PST	Thursday Jan 16	03:05:21 PST
UF2		Thursday Jan 16	10:57:49 PST	Thursday Jan 16	11:26:16 PST

TPC-D Timing Intervals (in seconds)

Q1	Q2a	Q3	Q4b	Q5	Q6	Q7	Q8b	Q9	Q10
4507.6	754.7	1817.6	2068.7	3458.7	754.5	2250.0	619.1	5096.5	1932.9

Q11	Q12b	Q13	Q14c	Q15b	Q16	Q17b	UF1	UF2
663.5	1227.6	40.0	985.5	1363.1	661.3	145.1	1172.6	1706.6



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Number		Price	Price	per Mo/Yr	Maintenance
Server Hardware					
<i>Pricing from CAT Technology, Inc.</i>					
E6001	Enterprise Server 6000	1 131,250.00	131,250.00	2,937.60	158,630.40
2600A	CPU/Memory Board (dual cpu)	12 6,750.00	81,000.00	183.60	118,972.80
2530A	UltraSPARC 250Mhz 1MB cache	24 12,000.00	288,000.00		
954A	Power Cooling Module	6 1,350.00	8,100.00		
7022A	256MB for Ex000	16 3,563.00	57,008.00		
7023A	1GB for Ex000	8 36,375.00	291,000.00		
2610A	SBus I/O Board	4 4,875.00	19,500.00		
1057A	Fibre Channel SBus Card	12 1,200.00	14,400.00		
595A	Fibre Channel Module	6 450.00	2,700.00		
792A	SSA112 with 30 x 2.1GB Drives	10 34,275.00	342,750.00	146.40	79,056.00
X797A	SSA 214 RSM 176GB in cabinet	6 87,075.00	522,450.00	195.60	63,374.40
SX-WY35-G-G35	Wyse35 Terminal	1 295.00	295.00		
6204A	Tape 14GB/8mm	1 2,194.00	2,194.00		
ALL HARDWARE SUBTOTAL			1,760,647.00		420,033.60
Server Software					
<i>Sun Software Pricing from Sun</i>					
SOLS-C	Solaris Software on CD-ROM	1 100.00	100.00	9.60	547.20
CC-P	SPARC Compiler Single Usr. License	1 695.00	695.00	24.00	1,368.00
Sun Software Subtotal:			795.00	33.60	1,915.20
<i>Oracle pricing from Oracle Corp.</i>					
	Oracle7 License	1 215,280.00	215,280.00		293,760.00
ALL SOFTWARE SUBTOTAL			216,075.00		295,675.20
Discount					
	SunService maintenance volume discount	5%			-21097.44
	Yearly prepayment Discount	5%			-20,042.57
TOTAL HARDWARE & SOFTWARE COST (5YR)					2,651,291
				QphD	769.1
				\$/QphD	3,447

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

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.

Audited by: Francois Raab, Information Paradigm, Inc.

Note: Hardware available NOW
Oracle server software available on May 1, 1997

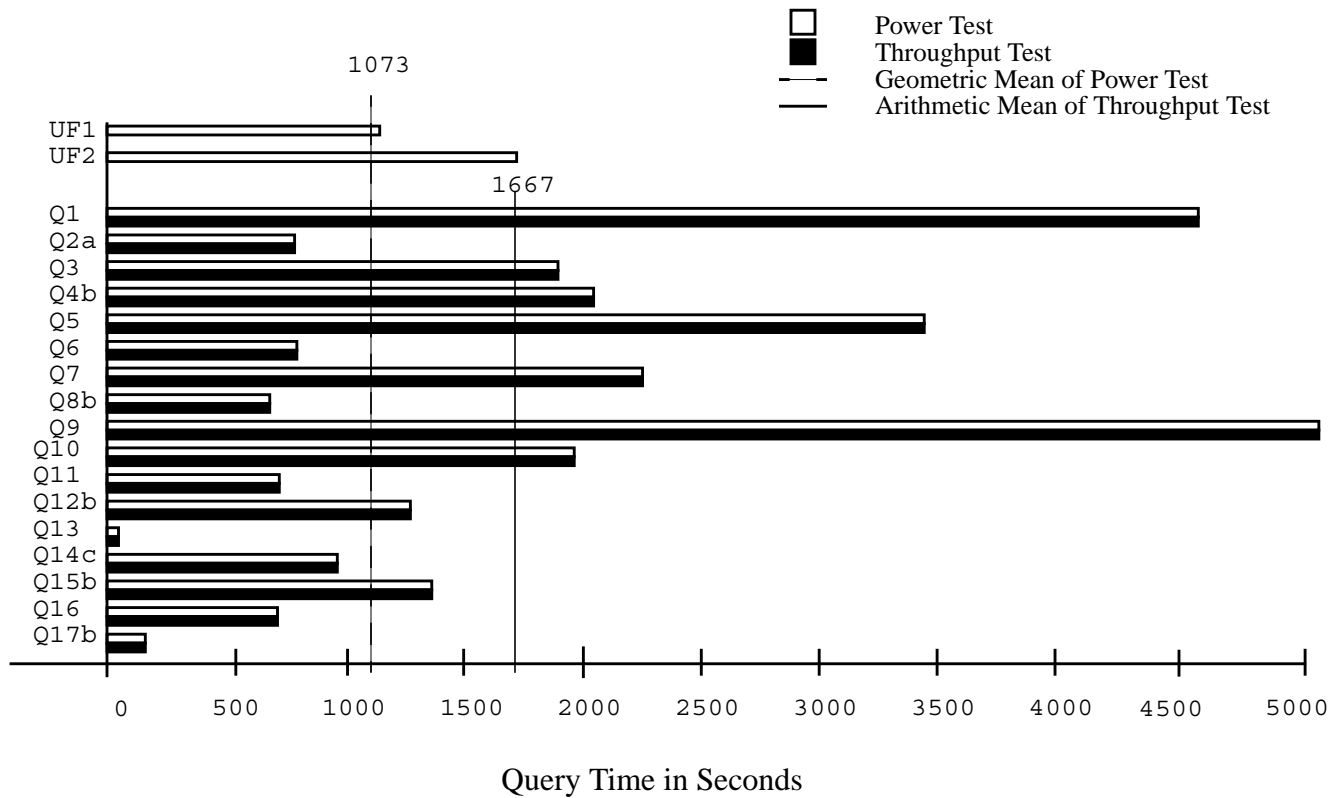


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Total System Cost	TPC-D Power	TPC-D Throughput	Price/Performance	
\$2,651,291	1006.0 QppD@300GB	588.0 QthD@300GB	\$3,447 QphD@300GB	
Database Size	Database Manager	Operating System	Other Software	Availability Date
300GB	Oracle7 v7.3.3	Solaris 2.5.1	Veritas Volume Manager 2.3	May 1, 1997 See Note in next page



Database Load Time = 17:25:10 hours

Disk Size/Database Size = 5.63

RAID : Y

System Configuration:

- 24 250Mhz UltraSPARC CPUs with 1MB External Cache
- 12288 MB memory
- 10 SSA112 SPARCStorage Arrays with 30 2.1 GB drives each
- 6 SSA214 RSM SPARCStorage Arrays with 42 4.2 GB drives each