



Netfinity 5600 with Netfinity 6000R using Microsoft SQL Server 2000

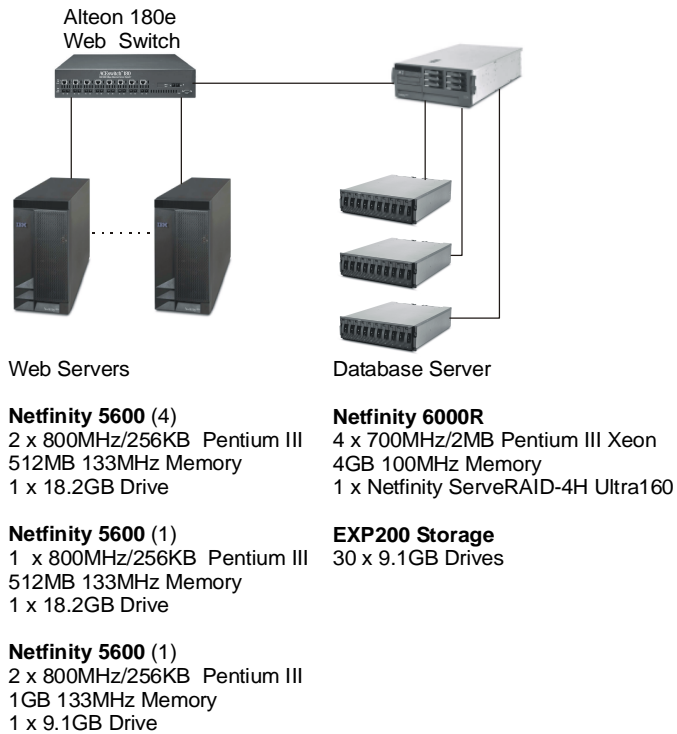
TPC-W Rev. 1.1

Report Date:
07/01/2000

Price Performance	Performance	Availability Date
\$276.28 per WIPS@10,000	1,262.79 WIPS@10,000	August 1, 2000

Total Cost	WIPSo@10,000	WIPSp@10,000	Scale Factor	Number of Users	Num. of Systems
\$348,879	308.73	1,243.83	10,000 items	9,600	7

Web Server	Commerce Server	Database Manager
Microsoft Internet Information Server 5.0	ISAPI Application	Microsoft SQL Server 2000
Load Balancer	Search Engine	Other Software
Alteon 180e Web Switch	Microsoft Windows 2000 Indexing Service	Red Hat Linux 6.2



Function	Num. of Systems	Operating System	Processors	Memory	Storage
Netfinity 5600 Web Server	4	Windows 2000 Server	2 Pentium III 800MHz/256KB	512MB	1 x 18.2GB
Netfinity 5600 Index Server	1	Windows 2000 Server	1 Pentium III 800MHz/256KB	512MB	1 x 18.2GB
Netfinity 5600 Web Cache	1	Red Hat Linux 6.2	2 Pentium III 800MHz/256KB	1GB	1 x 9.1GB
Netfinity 6000R Database Server	1	Windows 2000 Advanced Server	4 Pentium III Xeon 700MHz/2MB	4GB	30 x 9.1GB



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Description	Part No.	Third Party		Unit Price	Qty.	Extended Price	3 yr. Maint. Price
		Brand	Price				
Web/Application Server Hardware							
Netfinity 5600 with 800MHz Pentium III	86645RY	IBM	1	\$5,083	6	\$30,498	\$8,970
800MHz Pentium III Processor	10K2338	IBM	1	1,319	5	6,595	0
512MB 133MHz ECC SDRAM RDIMM	33L3062	IBM	1	2,245	7	15,715	0
18.2GB 10K Ultra160 SCSI Drive	00N8208	IBM	1	599	5	2,995	0
9.1GB 10K Ultra160 SCSI Drive	00N8207	IBM	1	399	1	399	0
Netfinity Fibre Channel 5m Cable	03K9306	IBM	1	105	5	630	0
20/40 SCSI Internal Tape Drive	01K1320	IBM	1	1,979	1	1,979	0
E54 15" (13.8" Viewable) Color Display	6331B2N	IBM	1	173	6	1,038	540
Alteon ACEnic 1000-SX Adapter (2 spares)	710011	Alteon	3	995	7	6,965	6,965
Annual Premium Support for ACEnic	810011P	Alteon	3	119	5	0	595
Alteon 180e Web Switch (2 spares)	700107	Alteon	3	21,995	3	65,985	21,995
Annual Premium Support for 180e	800107P	Alteon	3	2,569	1	0	7,707
Netfinity Rack	9306900	IBM	1	1,725	1	1,725	300
Side Panel Kit	9G6669	IBM	1	168	1	168	0
Software							
Microsoft Windows 2000 Server	C11-00016	Microsoft	2	999	5	4,995	incl. below
Red Hat Linux 6.2		Red Hat	4	180	1	180	2,850
Database Server Subtotal						\$139,867	\$47,952
Database Server Hardware							
Netfinity 6000R w/700MHz Pentium III Xeon	86822RY	IBM	1	9,362	1	\$9,362	\$1,495
700MHz Pentium III Xeon Processor	00N7944	IBM	1	6,135	3	18,405	0
256MB 100MHz ECC SDRAM RDIMM	33L3115	IBM	1	779	16	12,464	0
Netfinity ServeRAID-4H Ultra160 SCSI Cntrl.	37L6889	IBM	1	2,439	1	2,439	0
9.1GB 10K Ultra160 SCSI Drive	00N8207	IBM	1	399	30	11,970	0
20/40 SCSI Internal Tape Drive	01K1320	IBM	1	1,979	1	1,979	0
E54 15" (13.8" Viewable) Color Display	6331B2N	IBM	1	173	1	173	90
EXP200 Storage Expansion Enclosure	35301RU	IBM	1	2,595	3	7,785	1,200
Netfinity Enterprise Rack	930842P	IBM	1	2,649	1	2,649	300
Software							
Microsoft SQL Server 2000 Enterprise Edition	N/A	Microsoft	2	19,999	4	79,996	
Microsoft Windows 2000 Advanced Server	C10-00010	Microsoft	2	3,919	1	3,919	
Visual C++ Professional 6.0	048-00317	Microsoft	2	549	1	549	
3-Year Maintenance for All Microsoft Software		Microsoft	2	2,095	3		6,285
Subtotal						\$151,690	\$9,370
3rd Party Brand: Total						\$291,557	57,322
1: IBM, 2: Microsoft, 3: Alteon, 4: Red Hat						3-Year Cost of Ownership \$348,879	
3rd Party Pricing:						WIPS@10,000 1,262.79	
1: IBM, 2: Microsoft, 3: Alteon, 4: Red Hat						\$/ WIPS@10,000 \$276.28	

Independently Audited by:

Francois Raab InfoSizing, Inc.



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Numerical Quantities Summary

WIPS Interaction Summary

Interaction	Mix	Count	90% Response
Home	16.01%	363,808	0.2
Shopping Cart	11.60%	263,703	0.2
Customer Registration.	3.00%	68,116	0.1
Buy Request	2.60%	59,064	0.2
Buy Confirm	1.20%	27,297	2.4
Order Inquiry	0.75%	17,006	0.3
Order Display	0.66%	14,977	0.3
Search Request	19.99%	454,483	0.2
Search Results	17.00%	386,315	0.2
New Products	5.00%	113,729	0.3
Best Sellers	5.00%	113,662	0.3
Product Detail	17.01%	386,630	0.1
Admin. Request	0.10%	2,230	0.2
Admin. Confirm	0.09%	2,008	1.6

Measurement Intervals Summary

	Shopping	Browsing	Ordering
Ramp-up time (min.)	10 Minutes	10 Minutes	10 Minutes
Length of Measurement Interval (min.):	30 Minutes	30 Minutes	30 Minutes
Average Think Time (sec.)	7.51	7.50	7.49
Average User Session duration (min.):	14.84 Minutes	14.93 Minutes	14.99 Minutes
Number of Users	9,600	9,600	2,400

Overload Run

Maximum Think Time	90% WIRT for Home	Failure Rate	WIPS
1.9	11.9	0.03%	1,220.48