SPECweb96 Result

SPEC has determined that this result was not in compliance with the SPECweb96 run and reporting rules. Specificly, the result did not meet the 6 month availability requirement in the SPECweb96 run rules due to a change in availability of Microsoft Windows 2000.

Dell Computer Corp. : PowerEdge 6350/500 Microsoft : IIS 5.0 and SWC 2.0	NC	SPECweb96

Throughput ops/sec	Response msec
NC	NC
NC	NC
NC	NC
NC	NC
NC	NC
NC	NC
NC	NC
NC	NC
NC	NC
NC	NC

General Availability Dates

Hardware	Mar-99
Operating System	Oct-99
HTTP Software	Dec-99

System Hardware

Vendor	Dell Computer Corp.
Model	PowerEdge 6350/500
Processor	500MHz Pentium III Xeon
# of Processors	4
Primary Cache	16KBI+16KBD on chip
Secondary Cache	2MB(I+D) off chip
Other Cache	None
Memory	4GB
Disk Controllers	1 Adaptec Ultra-SCSI
Disk Subsystem	3 9GB 10K RPM Drive
Other Hardware	4 Alteon ACEswitch 180

System Software

Operating System	Windows2000 Advanced Server
Other Software	None
File System Type	NTFS

HTTP Software

Vendor	Microsoft
HTTP Software	IIS 5.0 and SWC 2.0
# of "threads"	1
Server Cache	Microsoft Scalable Web Cache 2.0
Log Mode	Binary CLF

Network

# of Controllers	4
Network Controller	Alteon ACEnic PCI
# of Nets	4
Type of Nets	Jumbo Frame Gigabit
Network Speed	1000Mb/s
MSL (sec)	30
Time-Wait (sec)	60

Load Generators

# of Generators	17
# of Processes Each	22
Model	Dell Precision 410
Processor	450MHz PentiumII
# of Processors	2
Memory	128MB
Network Controller	Alteon ACEnic PCI
Operating System	Microsoft Windows NT 4.0 Workstation SP4
Compiler	Microsoft Visual C++ 5.0

Benchmark Configuration

Max Requested Load	14500
Max Fileset Size	2631

Test Sponsor

Tested By	Dell Computer Corp.
License Number	55
Test Date	Jul-99

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Network Notes

<> Each ACEswitch 180 connects one card in the SUT and 4 or 5 clients.
<> MTU size = 9000 bytes.

Other Notes

<> IIS settings: listen port 80, no logging, maximum performance.
<> IIS Home Directory: Access for Read and Directory Browsing Allowed only, Applicat
<> Network interrupts affinitized one NIC per CPU.
<> One 9GB 10KRPM disk for OS and pagefile, 2 9GB 10KRPM disks striped for web pages
<> Registry Settings:
<> - Tcpip/Parameters/MaxHashTableSize=0x10000, sets TCB hash table size to 65,536 e
<> - Tcpip/Parameters/TcpTimedWaitDelay=0x3c, sets TIME_WAIT parameter to 60 seconds
<> - Tcpip/Parameters/MaxFreeTwTcbs=976000, sets maximum number of TIME_WAIT tcbs to
<> - Tcpip/Parameters/MaxSendSegments = 0x1000, sets maximum TCP segments sent conse
<> - Tcpip/Parameters/NumTcbTablePartitions = 32, sets number of independent TCB tab
<> - NDIS/Parameters/ProcessorAffinityMask=0, forces processor that handled interrup
<> - Inetinfo/Parameters/ObjectCacheTTL=0, sets IIS object cache timeout to 0 second
<> - Inetinfo/Parameters/OpenFileInCache=0, sets number of open files in object cach

<> - Inetinfo/Parameters/MaxPoolThreads=1, sets pool threads per processor, default
<> - Inetinfo/Parameters/PoolThreadLimit=4, sets total pool threads per system to 4
<> For each Alteon NIC:
<> - Altndis(X)/Parameters/SendCoalMax=80, sets number of send buffer descriptors in
<> - Altndis(X)/Parameters/RecvCoalMax=20, sets number of frames received before not
<> - Altndis(X)/Parameters/SendCoalTicks=1000, sets number of microsec. before send
<> - Altndis(X)/Parameters/RecvCoalTicks=1000, sets number of microsec. before recv
<> - Altndis(X)/Parameters/JumboFrames=1, enables Jumbo Frame support.
<> Alternate HTTP/HT.c used. Repeated client-side calls to gethostbyname() omitted,
<> by SPEC. No change in measured server performance but reduction in client load.

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