SPECweb96 Result

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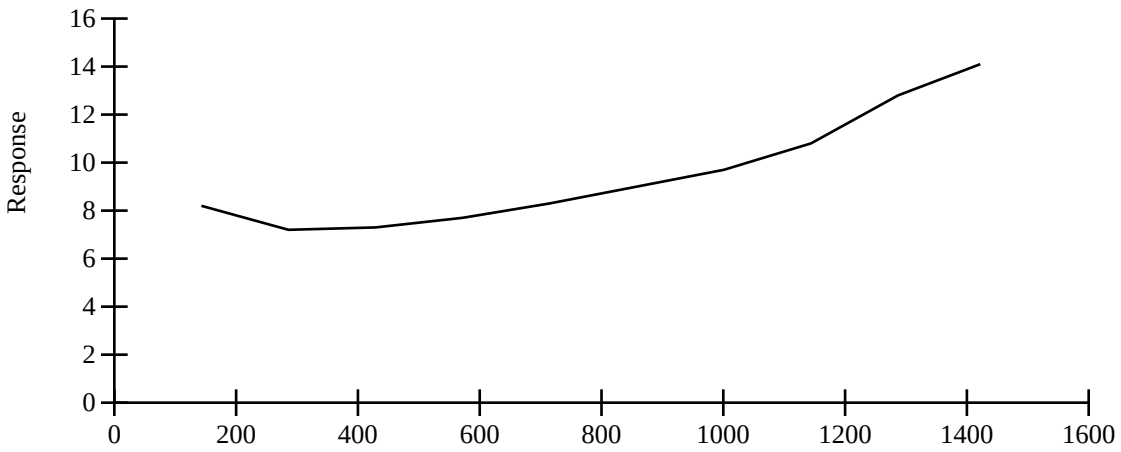
Hewlett-Packard
HP NetServer 6/200 LXe Pro

SPECweb96= 1422

Test Date : Jul-97
Tested by : HP NSD

Hardware Avail:	Sep-96	OS Avail:	Oct-97	HTTP Software Avail:	Aug-96	SPEC license #:	3

Throughput ops/sec	Response msec
143	8.2
286	7.2
429	7.3
572	7.7
715	8.3
858	9.0
1001	9.7
1144	10.8
1287	12.8
1422	14.1



Hardware

Model Name:	HP NetServer 6/200 LXe Pro
Processor:	Pentium Pro 200
# of Processors:	2
Primary Cache:	8KBI+8KBD
Secondary Cache:	512KB(I+D)
Other Cache:	--
Memory:	2048MB
Disk Subsystem:	3 HP D3582A Fast/Wide SCSI-2 Drives
Disk Controllers:	1 Adaptec F/W/U
Other Hardware:	none

Software

Operating System:	Windows NT Server 4.0 w/SP3
File System:	NTFS
Other Software:	tcpip.sys patch from NT hot fix after SP 3

HTTP Software

Vendor:	Microsoft
HTTP Software:	Internet Information Server 3.0
# of "threads":	Default
Server Cache:	Default
Log Mode:	Standard

Network

# of Controllers:	4
Network Controllers:	DEC DEFPA-MB FDDI PCI UTP Adapter
# of Nets:	4
Type of Nets:	FDDI
Network Speed:	100Mbit
Time Wait (secs):	60 (Non RFC1122)

Load Generators

# of Load Generators:	8
# of Processes Each:	3
Model:	HP Vectra XA
Processor:	Pentium Pro 200/512K
# of CPUs:	1
Memory:	96MB
OS:	NT 4.0 Workstation SP3
Compiler:	Microsoft Visual C++ 5.0

Benchmark Configuration

Max Requested Load:	1431
Max Fileset Size (MB):	829

Notes/Tuning Information

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The DEC DEFPA-MB cards are dual attach station (DAS) FDDI over category 5 twisted pair.
No hubs were employed, each of the 4 networks is connected as a ring using both attachments.
Each network included one card in the SUT and two of the clients.
clients 1(prime) and 2 on 1st segment, clients 3 and 4 on 2nd, 5 and 6 on 3rd, 7 and 8 on 4th.
Performance Boost for Foreground Application=NONE ---Do not raise the priority of the foreground application, default is halfway.
Disable IIS Windows NT Challenge/Response ---Disables IIS user information encryption, default is enabled.
Added Registry Entry InetInfo/Parameters/LogFileFlushInterval=0x3c ---Makes the log file flush interval 60 seconds, default is 30.
Added Registry Entry InetInfo/Parameters/LogFileBatchSize=0x2000000 ---Forces the log file flush size to be MIN(60sec,32MB), default is 64KB.
Added Registry Entry InetInfo/Parameters/ObjectCacheTTL=0xea60 ---Keeps IIS open descriptors active at least 16.6 hours, default is 30 sec.
Added Registry Entry InetInfo/Parameters/MemoryCacheSize=0x2000000 ---Ups the cache open descriptor table to 32MB, default is 3MB.
Added Registry Entry InetInfo/Parameters/ListenBacklog=0x19 ---Specifies maximum active connections to hold in server queue, default is 15.
Added Registry Entry InetInfo/Parameters/MaxPoolThreads=1 ---Specifies maximum network request threads per processor, default is 10.
Added Registry Entry InetInfo/Parameters/PoolThreadLimit=2 ---Specifies maximum pool threads in system, default is 2 * #MB.
Added Registry Entry Tcpip/Parameters/MaxFreeTcbs=0x186a0 ---Increases the TCB timewait table to 100000 entries, default is 2000.
Added Registry Entry Tcpip/Parameters/MaxHashTableSize=0x10000 ---Sets TCB hash table size to 65,536 entries, default is 512.
Added Registry Entry Tcpip/Parameters/TcpTimedWaitDelay=0x3c ---Sets TIME_WAIT parameter to 60 seconds (non-RFC 1122), default is 240.
Set NDIS/Parameters/ProcessorAffinityMask to 0 ---Forces processor that handled interrupt to also handle that DPC, default is any processor.
One 2.1GB 7200RPM Drive for OS and IIS Data, One 2.1GB 7200RPM Drive for IIS logs, One 2.1GB 7200RPM Drive for Pagefile
Microsoft Windows NT 4.0 Service Pack 3, tcpip.sys patch from NT hot fix after Service Pack 3
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For More Information contact

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