SPECweb96 Result

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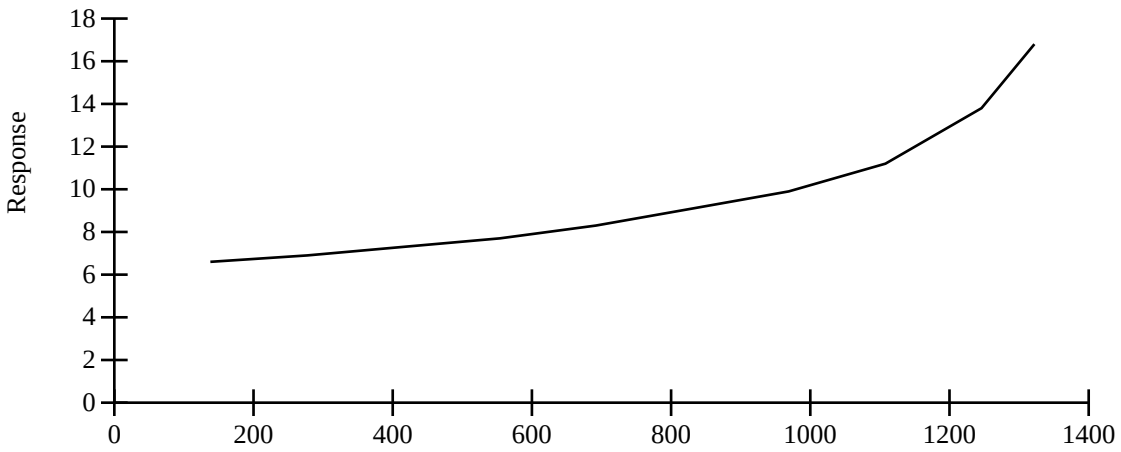
Hewlett-Packard
HP NetServer 6/200 LX Pro

SPECweb96= 1322

Test Date : May-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
138	6.6
277	6.9
415	7.3
554	7.7
692	8.3
831	9.1
969	9.9
1108	11.2
1246	13.8
1322	16.8



Hardware

Model Name:	HP NetServer 6/200 LX Pro
Processor:	Pentium Pro 200
# of Processors:	2
Primary Cache:	8KBI+8KBD
Secondary Cache:	512KB(I+D)
Other Cache:	none
Memory:	2048MB
Disk Subsystem:	8 HP D3582A Fast/Wide SCSI-2 Drives
Disk Controllers:	2 Adaptec F/W/U, 1 HP NetRAID Array
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 VA
Processor:	Pentium Pro 200/256K
# of CPUs:	1
Memory:	96MB
OS:	NT Workstation 4.0 SP3
Compiler:	Microsoft Visual C++ 5.0

Benchmark Configuration

Max Requested Load:	1385
Max Fileset Size (MB):	815

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=0x3840 ---Keeps IIS open descriptors active at least four 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 Tcpip/Parameters/MaxFreeTcbs=0x13880 ---Increases the TCB timewait table to 80000 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, One 2.1GB 7200RPM Drive for IIS logs, Six 2.1GB RAID 0 Stripe for IIS Data with 2069MB Pagefile
Microsoft Windows NT 4.0 Service Pack 3, tcpip.sys patch from NT hot fix after Service Pack 3
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