SPECweb96 Result

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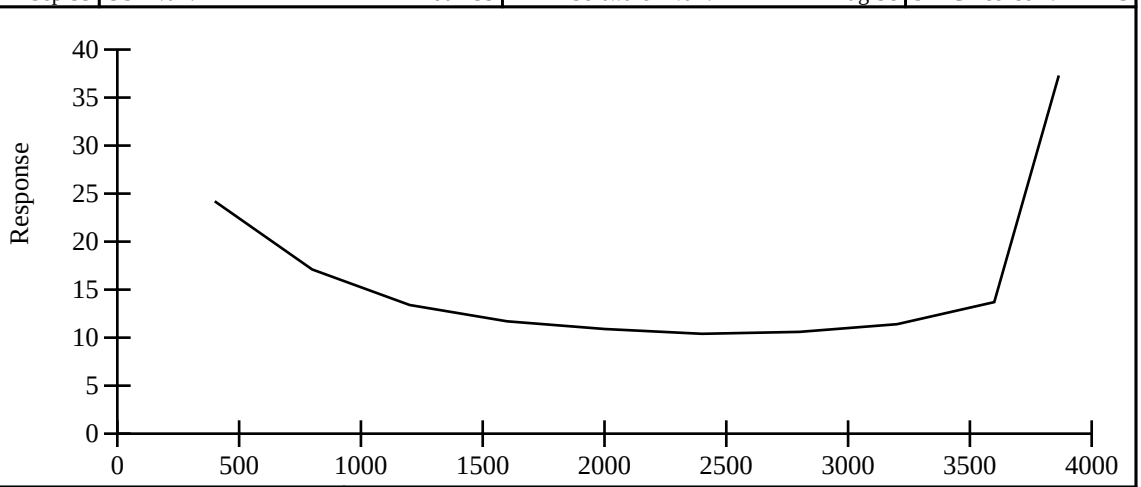
Hewlett-Packard
HP 9000/N4000

SPECweb96= 3865

Test Date : Apr-99
Tested by : HP, Cupertino, Ca.

Hardware Avail:	Sep-99	OS Avail:	Jun-99	HTTP Software Avail:	Aug-98	SPEC license #:	3

Throughput ops/sec	Response msec
400	24.2
800	17.1
1200	13.4
1600	11.7
2000	10.9
2400	10.4
2800	10.6
3201	11.4
3600	13.7
3865	37.3



Hardware

Model Name:	9000/N4000
Processor:	PA8500 440MHz
# of Processors:	1
Primary Cache:	.5MBI+1MBD on chip
Secondary Cache:	None
Other Cache:	None
Memory:	8GB
Disk Subsystem:	2 ST32420W, 1 HP A3700A Array
Disk Controllers:	1 Ultra SCSI, 2 F/W SCSI Controllers
Other Hardware:	--

Software

Operating System:	HP-UX 11.0 Extension Pack 990P
File System:	HFS
Other Software:	J1642AA Dart 45 Gigabit Ethernet

HTTP Software

Vendor:	Zeus Technology Limited
HTTP Software:	Zeus 1.3.3
# of "threads":	1
Server Cache:	See Notes
Log Mode:	Common Log Format

Network

# of Controllers:	2
Network Controllers:	HP A4926A PCI Gigabit Ethernet
# of Nets:	2
Type of Nets:	Gigabit Ethernet
Network Speed:	1000 Mbps
Time Wait (secs):	60 (Non RFC1122)

Load Generators

# of Load Generators:	12
# of Processes Each:	16
Model:	HP 9000/A180C
Processor:	180Mhz PA7300LC
# of CPUs:	1
Memory:	128MByte
OS:	HPUX 11.0 32-bit
Compiler:	HP92453-01 A.10.32.03 HP C Compiler

Benchmark Configuration

Max Requested Load:	4000
Max Fileset Size (MB):	1381

Notes/Tuning Information

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2 HP Procurve 1600M Switches; 2 Gigabit Lans to the SUT; MTU=1500
Zeus options: -t 86400 : Set cache timeout to 86,400 seconds
              -l   200 : Set listen queue length
              -f 25000 : Set maximum number of file descriptors
              -q       : Set quick mode
chatr +pi L +pd 64M on zeus executable to set large page size
tcp_conn_request_max=1024; tcp_xmit_hiwater_def=2000000; tcp_conn_strategy=2400
Zeus thread bound to gigabit cards' IP addresses
Logs mounted with 'behind' option; tcphashsize = 16384
gbeutil /dev/gelan* write 0x63c 32
gbeutil /dev/gelan* write 0x640 12
gbeutil /dev/gelan* write 0x630 10000
```

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