SPECweb96 Result

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Digital Equipment Corp.
AlphaServer 4100 5/533

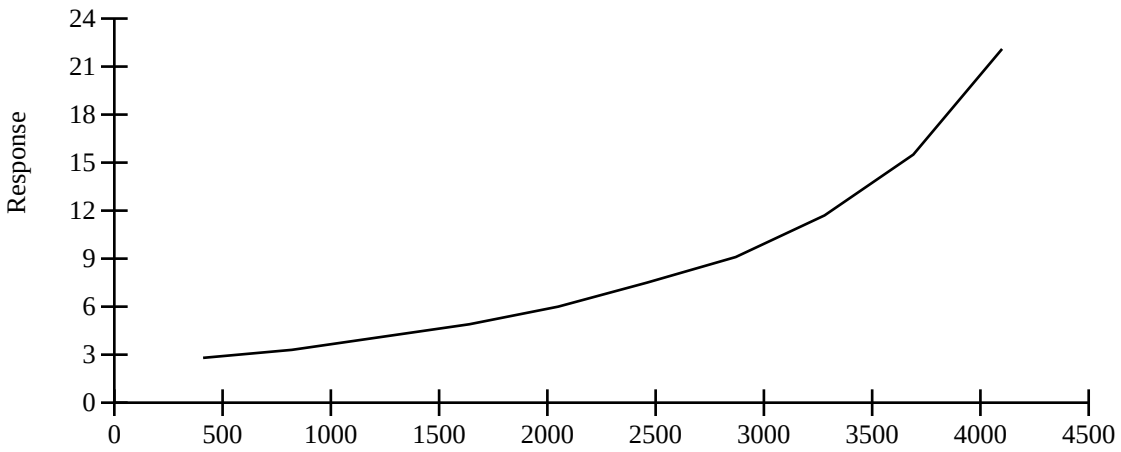
SPECweb96= 4100

Test Date : Jun-98

Tested by : Digital Nashua

Hardware Avail:	Oct-97	OS Avail:	Oct-98	HTTP Software Avail:	Nov-97	SPEC license #:	2

Throughput ops/sec	Response msec
410	2.8
820	3.3
1230	4.1
1640	4.9
2050	6.0
2460	7.5
2870	9.1
3280	11.7
3690	15.5
4100	22.1



Hardware

Model Name:	AlphaServer 4100 5/533
Processor:	533MHz 21164
# of Processors:	4
Primary Cache:	8KB(I)+8KB(D) on chip
Secondary Cache:	96KB
Other Cache:	4MB
Memory:	1.5GB
Disk Subsystem:	3 RZ29B-VW drives
Disk Controllers:	Integral FW SCSI
Other Hardware:	--

Software

Operating System:	Digital UNIX X4.0E
File System:	UFS
Other Software:	none

HTTP Software

Vendor:	Zeus
HTTP Software:	Zeus 1.3
# of "threads":	3
Server Cache:	Default
Log Mode:	common

Network

# of Controllers:	6
Network Controllers:	DEFPA-AB
# of Nets:	6
Type of Nets:	FDDI
Network Speed:	100Mbit
Time Wait (secs):	60 (Non RFC1122)

Load Generators

# of Load Generators:	6
# of Processes Each:	30
Model:	Digital Personal WorkStation 500au
Processor:	500MHz 21164
# of CPUs:	1
Memory:	256MB
OS:	Digital UNIX V4.0D (Rev. 878)
Compiler:	DEC C V5.2-023

Benchmark Configuration

Max Requested Load:	4100
Max Fileset Size (MB):	1401

Notes/Tuning Information

```
Webserver sysconfigtab tuning:
inet:   ipqs=7, tcbhashnum=7, tcbhashsize=4096,
        tcbquicklisten=1, tcp_sendspace=60000,
        tcp_recvspace=60000
net:    netisrfair=1, netisrwakeupthreshold=256,
        netisrthreads=3
socket: somaxconn=32767, sominconn=32767,
        umc=1
proc:   max-proc-per-user=1024,  maxusers=1024,
        max-threads-per-user=4096,
        per-proc-data-size=0x40000000000,
        max-per-proc-data-size=0x40000000000,
        max-per-proc-address-space=0x4000000000,
        per-proc-address-space=0x40000000000
vm:     ubc-maxpercent=80, vm-mapentries=50000,
        vm-vpagemax=131072, dump-user-pte-pages=1,
        vm-maxvas=0x40000000000
Load Generator sysconfigtab tuning:
proc:   max-proc-per-user=1024,  maxusers=1024,
        max-threads-per-user=1024
socket: somaxconn=32765, sominconn=32765
Zeus tuning:
        ./zeus -b 819200 -t 20000 -q -m 1024
```

For More Information contact

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