SPECweb96 Result

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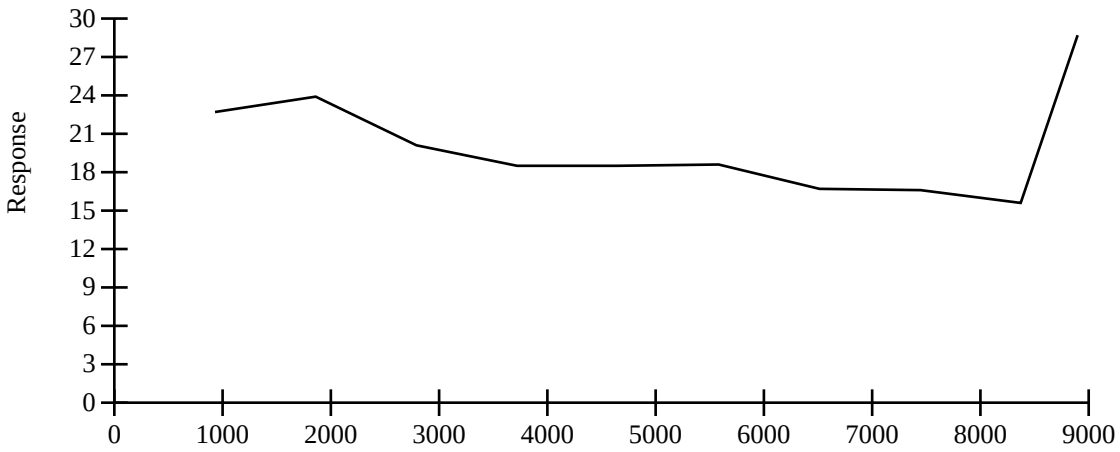
Silicon Graphics, Inc.
SGI 2200

SPECweb96= 8898

Test Date : Jan-2000
Tested by : SGI

Hardware Avail:	May-1999	OS Avail:	Feb-2000	HTTP Software Avail:	Dec-1999	SPEC license #:	04

Throughput ops/sec	Response msec
930	22.7
1860	23.9
2791	20.1
3720	18.5
4646	18.5
5582	18.6
6513	16.7
7447	16.6
8372	15.6
8898	28.7



Hardware

Model Name:	SGI 2200
Processor:	300 MHz MIPS R12000
# of Processors:	4
Primary Cache:	32KBI+32KBD
Secondary Cache:	8MB(I+D)
Other Cache:	None
Memory:	8GB
Disk Subsystem:	4GB/OS; 9GB/server log; 4GB/HTTP doc
Disk Controllers:	1 Internal SCSI
Other Hardware:	none

Software

Operating System:	IRIX 6.5.6 + patch 3882
File System:	XFS
Other Software:	--

HTTP Software

Vendor:	Apache Software Foundation
HTTP Software:	Apache/1.3.9 + SGI patches
# of "threads":	28
Server Cache:	See Notes
Log Mode:	Common

Network

# of Controllers:	4
Network Controllers:	SGI XIO Gigabit Ethernet
# of Nets:	4
Type of Nets:	Gigabit Jumbo Frame
Network Speed:	1000Mb/s
Time Wait (secs):	60 (Non RFC1122)

Load Generators

# of Load Generators:	16
# of Processes Each:	16
Model:	Origin200
Processor:	180 MHz MIPS R10000
# of CPUs:	2
Memory:	256 MB
OS:	IRIX 6.5.6
Compiler:	MIPSpro 7.2.1

Benchmark Configuration

Max Requested Load:	9300
Max Fileset Size (MB):	2109

Notes/Tuning Information

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9000 byte MTU; four Alteon 180 switches.
Network interrupts bound to local CPUs.  HTTP server configuration:
IRIX64 rule and mmap_static module enabled, SPEED_DAEMON, LOG_BUFSIZE=65500,
MMAP_SEGMENT_SIZE=1048576, QSC_HASH_SIZE=32768, QSC_MAX_SIZE=32000000,
MinSpareServers/MaxSpareServers/StartServers/MaxClients 28, SingleListen on,
Listen with matched CPU binding for each network, ListenBacklog 1000,
QSC on, MaxRequestsPerChild 0, mmapfile all files.

SGI's Apache patches are available from the Accelerating Apache Project
area of SGI's Open Source web site:  http://oss.sgi.com/projects/apache.
Support is available from apache@oss.sgi.com.
mmap_async_write=1, tcp_sendspace=66560, tcp_recvspace=32768,
eg_send_coal_bd=64, eg_send_coal_ticks=1000,
eg_recv_coal_bd=64, eg_recv_coal_ticks=10000,
tcp_timestamps=0, tcp_zaptw_secs=8, tcp_pcb_cache=32768.
```

For More Information contact

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