SPECweb96 Result

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Silicon Graphics, Inc.
Origin200 270MHz

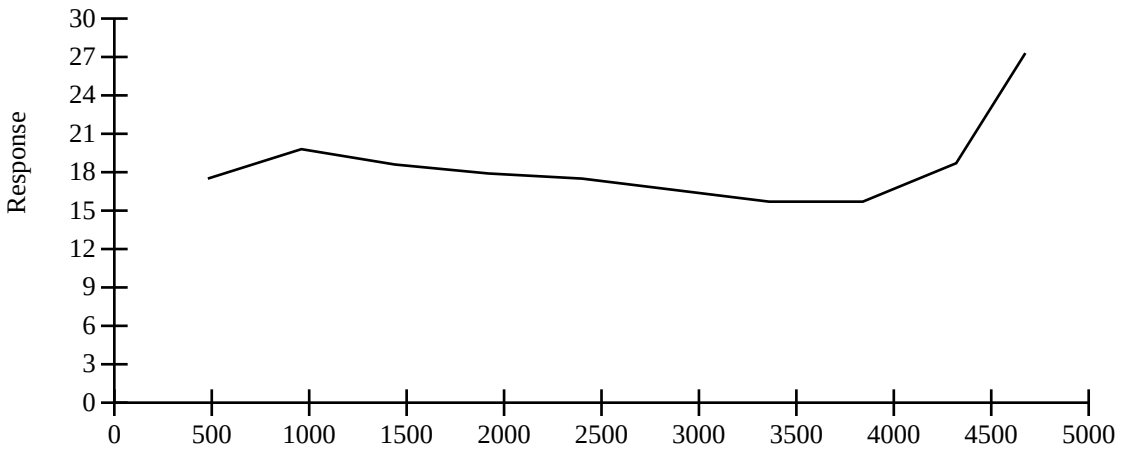
SPECweb96= 4675

Test Date : Dec-99

Tested by : SGI

Hardware Avail:	May-99	OS Avail:	Nov-99	HTTP Software Avail:	Dec-99	SPEC license #:	04

Throughput ops/sec	Response msec
480	17.5
960	19.8
1440	18.6
1920	17.9
2400	17.5
2881	16.6
3360	15.7
3841	15.7
4320	18.7
4675	27.3



Hardware

Model Name:	Origin200 270MHz
Processor:	270 MHz MIPS R12000
# of Processors:	2
Primary Cache:	32KBI+32KBD
Secondary Cache:	4MB(I+D)
Other Cache:	None
Memory:	2GB
Disk Subsystem:	4GB/OS; 9GB/server log; 9GB/HTTP doc
Disk Controllers:	1 Internal SCSI
Other Hardware:	none

Software

Operating System:	IRIX 6.5.6
File System:	XFS
Other Software:	--

HTTP Software

Vendor:	Apache Software Foundation
HTTP Software:	Apache/1.3.9 + SGI patches
# of "threads":	12
Server Cache:	See Notes
Log Mode:	Common

Network

# of Controllers:	2
Network Controllers:	SGI PCI Gigabit Ethernet
# of Nets:	2
Type of Nets:	Gigabit Jumbo Frame
Network Speed:	1000Mb/s
Time Wait (secs):	60 (Non RFC1122)

Load Generators

# of Load Generators:	8
# 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:	4800
Max Fileset Size (MB):	1513

Notes/Tuning Information

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9000 byte MTU; one Extreme Networks Summit7i switch.
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 12, 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.
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