SPECweb96 Result

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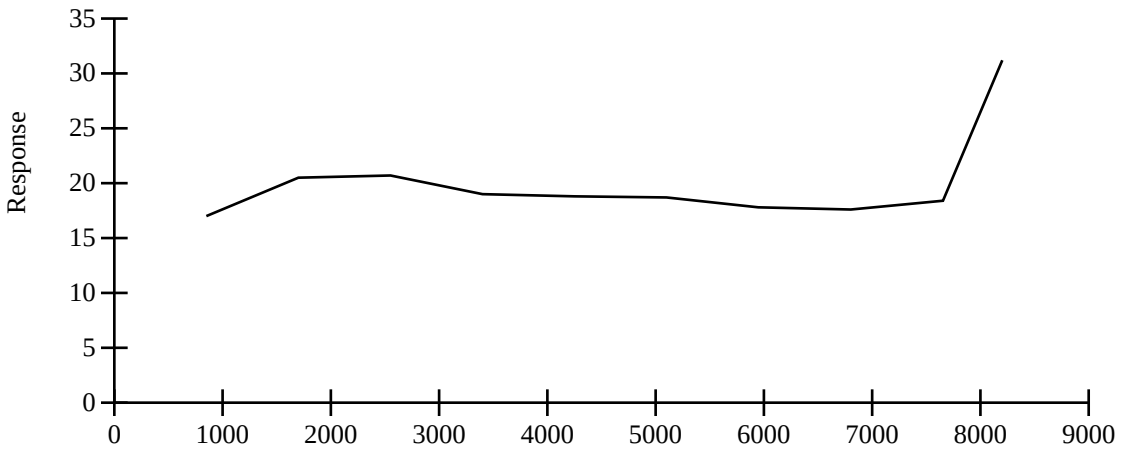
Silicon Graphics, Inc.
Origin200 270MHz

SPECweb96= 8202
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
850	17.0
1700	20.5
2551	20.7
3401	19.0
4252	18.8
5100	18.7
5948	17.8
6803	17.6
7654	18.4
8202	31.2



Hardware

Model Name:	Origin200 270MHz
Processor:	270 MHz MIPS R12000
# of Processors:	4
Primary Cache:	32KBI+32KBD
Secondary Cache:	4MB(I+D)
Other Cache:	None
Memory:	4GB
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":	24
Server Cache:	See Notes
Log Mode:	Common

Network

# of Controllers:	4
Network Controllers:	SGI PCI 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:	8500
Max Fileset Size (MB):	2016

Notes/Tuning Information

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9000 byte MTU; one Extreme Networks Summit7i switch.
Two network interfaces per Origin200 module.  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 24, 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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