SPEC SFS 1 Summary (Side 1 of 2) 097.LADDIS

Silicon Graphics
Origin 2000 1 x 195 MHz

Server Hardware

CPU, Memory, & Power

Model No.	D1-H6401-4
CPU	195 MHz R10000
# of CPUs	1
Primary Cache	32KBI+32KBD on chip
Secondary Cache	4MB(I+D) off chip
Other Cache	None
Memory	256MB
UPS	None
Other hardware	100baseT Full Duplex

Server Software

OS Version	IRIX 6.4 S2MP+OCTANE
Other software	NFS
File system	XFS

Load Generators (LGs)

Number of Load Generators:	4
Processes Per Load Generator:	8
Biod_Max_Reads:	2
Biod_Max_Writes:	5

Disk Subsystem & Filesystems

(Full Configuration on Side 2)

Num Disk Controllers	5
Num Disks	33
Num File Systems	32

Network Subsystem

(Full Configuration On Side 2)

Num Net Controllers	4
Num Networks	4 (N1 - N4)
Type Network	100baseT Full Duplex

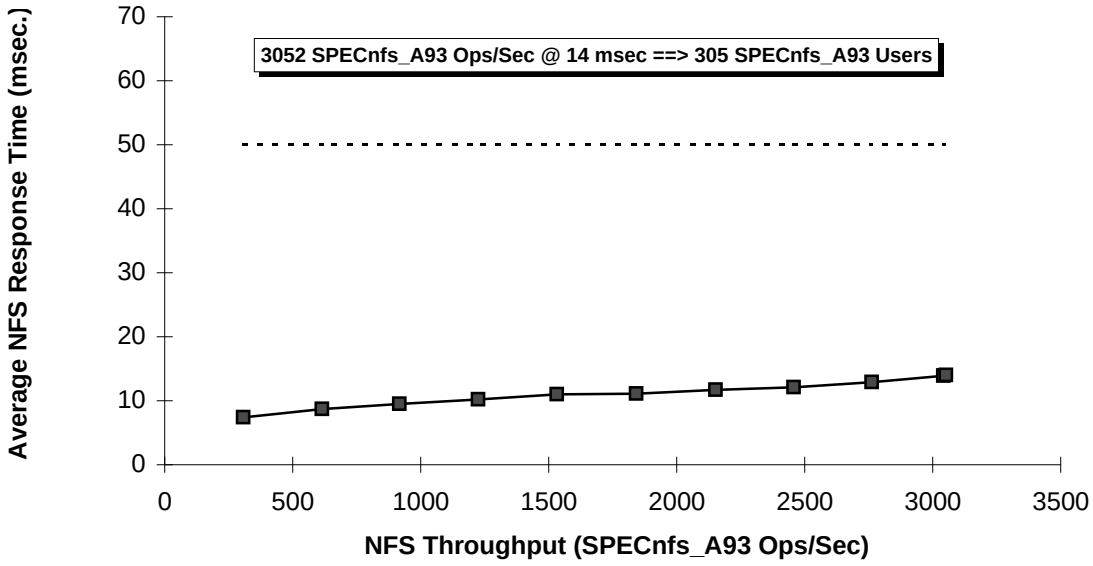
Server Tuning

(Also see Notes/Tuning below)

Buffer Cache Size	Dynamic
Num NFS Daemons	38
Fileset Size	17GB

NFS Throughput SPECnfs_A93 Ops/Sec	Avg. Response Time (NFS) Milliseconds
307	7.4
615	8.7
918	9.5
1225	10.2
1533	11.0
1842	11.1
2153	11.7
2458	12.1
2763	12.9
3042	13.9
3052	14.0

Hardware Availability:	Dec-96			**Software Availability:**	Mar-97		
License #:	4	**Tested:**	Feb-97	**By:**	SGI	**Of:**	Mountain View, CA



Notes/Summary Of Tuning Parameters: (Continued on Side 2 of 2)

ncsize=26000

ef_rxdelay=100

All filesystems are mounted in wsync mode.

All filesystems are exported in wsync mode.

SPEC SFS 1 Summary (Side 2 of 2) 097.LADDIS

Silicon Graphics
Origin 2000 1 x 195 MHz

Detailed Server Description

Network Subsystem

1 XT 100baseT 4 port controller card
Each port wired point-to-point to one load generator

Disk Subsystem & Filesystems

Controller 1: Ultra SCSI base I/O
Disks: 1 Origin 4GB
Contents: OS, page space
Controllers 2-5: 1 XT-SCSI-4P XIO 4 port card
Disks: 32 Challenge 2GB Fast/Wide Differential
Controller 2: Contents: FS0,4,8,12,16,20,24,28
Controller 3: Contents: FS1,5,9,13,17,21,25,29
Controller 4: Contents: FS2,6,10,14,18,22,26,30
Controller 5: Contents: FS3,7,11,15,19,23,27,31

Detailed Load Generator (LG) Description

Load Gen. Type	*Model*	*# of CPUs*	*RAM*	*OS*	*Compiler*
LG1	O2 180 MHz R5000SC	1	64MB	IRIX 6.3 for O2 including R1	IRIX Pro 7.0

Testbed Configuration

Load Gen. #	*Load Gen. Type*	*Network*	*Target File Systems*	*Notes*
1	LG1	N1	FS0-7	Default
2	LG1	N2	FS8-15	Default
3	LG1	N3	FS16-23	Default
4	LG1	N4	FS24-31	Default

Notes/Summary Of Tuning Parameters: (Continued from Side 1 of 2)