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

Silicon Graphics

Origin 200 1 x 180 MHz 256MB

Server Hardware

CPU, Memory, & Power

Model No.	L1-S6301-1
CPU	180 MHz R10000
# of CPUs	1
Primary Cache	32KBI+32KBD on chip
Secondary Cache	1MB(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, Patches 1904, 1944, 1950
File system	XFS

Load Generators (LGs)

Number of Load Generators:	1
Processes Per Load Generator:	29
Biod_Max_Reads:	2
Biod_Max_Writes:	5

Disk Subsystem & Filesystems

(Full Configuration on Side 2)

Num Disk Controllers	4
Num Disks	30
Num File Systems	29

Network Subsystem

(Full Configuration On Side 2)

Num Net Controllers	1
Num Networks	1 (N1)
Type Network	100baseT Full Duplex

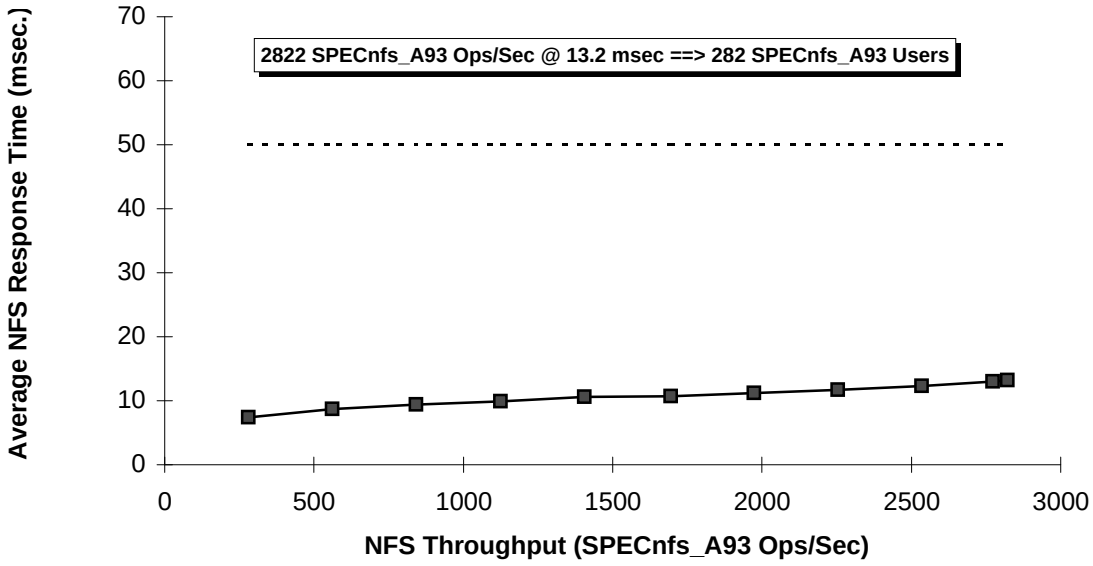
Server Tuning

(Also see Notes/Tuning below)

Buffer Cache Size	Dynamic
Num NFS Daemons	37
Fileset Size	16GB

NFS Throughput SPECnfs_A93 Ops/Sec	Avg. Response Time (NFS) Milliseconds
281	7.4
562	8.7
842	9.4
1124	9.9
1406	10.6
1694	10.7
1974	11.2
2254	11.7
2534	12.3
2773	13.0
2822	13.2

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



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

ncsize=30000

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 200 1 x 180 MHz 256MB

Detailed Server Description

Network Subsystem

Base I/O 100baseT

Wired point-to-point to one load generator

Disk Subsystem & Filesystems

Controller 1: Ultra SCSI base I/O

Disks: 6 Origin 2.2GB Ultra Single Ended

Controllers 2-4: 3 x PCI-SCSI-Q-DF-1P

Disks: 24 Challenge 2GB Fast/Wide Differential

Controller 2: Contents: FS0,4,8,12,16,20,23,26

Controller 3: Contents: FS1,5,9,13,17,21,24,27

Controller 4: Contents: FS2,6,10,14,18,22,25,28

Detailed Load Generator (LG) Description

Load Gen. Type	*Model*	*# of CPUs*	*RAM*	*OS*	*Compiler*
LG1	Origin 2000 4 x 195 MHz	4	512MB	IRIX 6.4 S2MP+OCTANE, P	IRIX Pro 7.0

Testbed Configuration

Load Gen. #	*Load Gen. Type*	*Network*	*Target File Systems*	*Notes*
1	LG1	N1	FS0-28	Default

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