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

Silicon Graphics
Origin2000 4 x 250 MHz

Server Hardware

CPU, Memory, & Power

Model No.	HU1-H6502-4
CPU	250 MHz R10000
# of CPUs	4
Primary Cache	32KBI+32KBD on chip
Secondary Cache	4MB(I+D) off chip
Other Cache	None
Memory	2048MB
UPS	None
Other hardware	100baseT Full Duplex

Server Software

OS Version	IRIX 6.5
Other software	NFS
File system	XFS

Load Generators (LGs)

Number of Load Generators:	4
Processes Per Load Generator:	27
Biod_Max_Reads:	2
Biod_Max_Writes:	4

Disk Subsystem & Filesystems

(Full Configuration on Side 2)

Num Disk Controllers	3
Num Disks	109
Num File Systems	108

Network Subsystem

(Full Configuration On Side 2)

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

Server Tuning

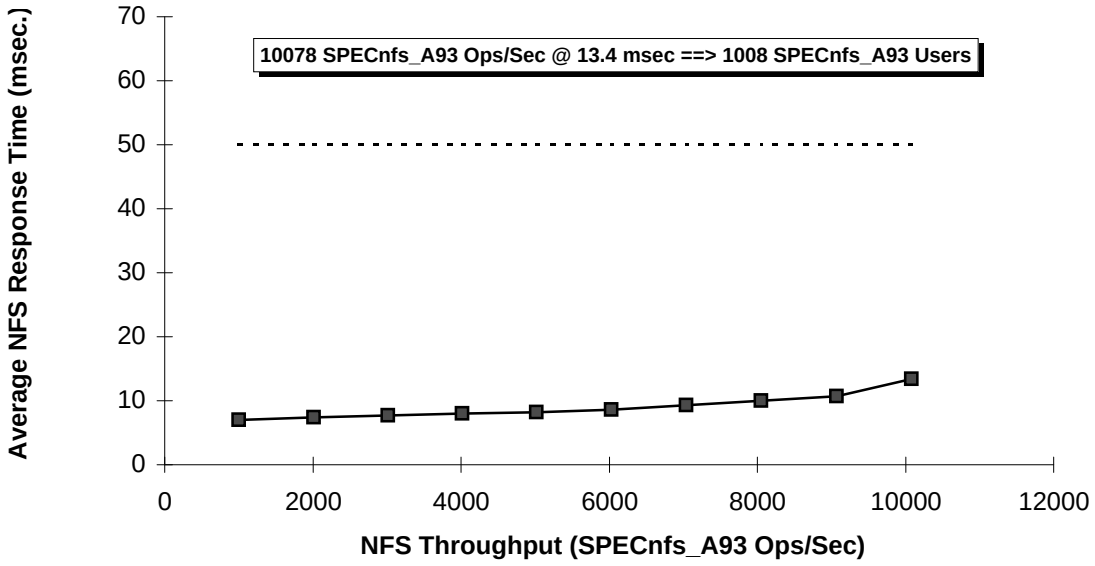
(Also see Notes/Tuning below)

Buffer Cache Size	Dynamic
Num NFS Daemons	108
Fileset Size	57GB

NFS Throughput SPECnfs_A93 Ops/Sec	Avg. Response Time (NFS) Milliseconds
1006	7.0
2011	7.4
3015	7.7
4015	8.0
5019	8.2
6028	8.6
7045	9.3
8056	10.0
9067	10.7
10078	13.4

Hardware Availability: Apr-98 **Software Availability:** Jul-98

License #: 4 **Tested:** Feb-98 **By:** SGI **Of:** Mountain View, CA



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

ncsize=150000

All filesystems are mounted in wsync mode.

All filesystems are exported in wsync mode.

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

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Detailed Server Description

Network Subsystem

2 XT-FE-4TX-6A controller cards (4 ports unused)
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 2,3: 2 XT-FC-2P Fibre Channel XIO Cards (2 ports unused)
Disks: 108 9.1 GB Dual Port FibreChannel Disks
Controller 2: Contents: FS0,2,4,6,8,.....,106
Controller 3: Contents: FS1,3,5,7,9,.....,107

Detailed Load Generator (LG) Description

Load Gen. Type	*Model*	*# of CPUs*	*RAM*	*OS*	*Compiler*
LG1	Origin200 180 MHz R10000	2	64MB	IRIX 6.4 S2MP + OCTANE	IRIX Pro 7.0

Testbed Configuration

Load Gen. #	*Load Gen. Type*	*Network*	*Target File Systems*	*Notes*
1	LG1	N1	FS0-26	Default
2	LG1	N2	FS27-53	Default
3	LG1	N3	FS54-80	Default
4	LG1	N4	FS81-107	Default

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