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

Silicon Graphics
Origin200 2 x 225 MHz

Server Hardware

CPU, Memory, & Power

Model No.	L1-S6502-2
CPU	225 MHz R10000
# of CPUs	2
Primary Cache	32KBI+32KBD on chip
Secondary Cache	2MB(I+D) off chip
Other Cache	None
Memory	1.5GB
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:	3
Processes Per Load Generator:	22
Biod_Max_Reads:	2
Biod_Max_Writes:	4

Disk Subsystem & Filesystems

(Full Configuration on Side 2)

Num Disk Controllers	2
Num Disks	67
Num File Systems	66

Network Subsystem

(Full Configuration On Side 2)

Num Net Controllers	3 (N1 - N3)
Num Networks	3 (N1 - N3)
Type Network	100baseT Full Duplex

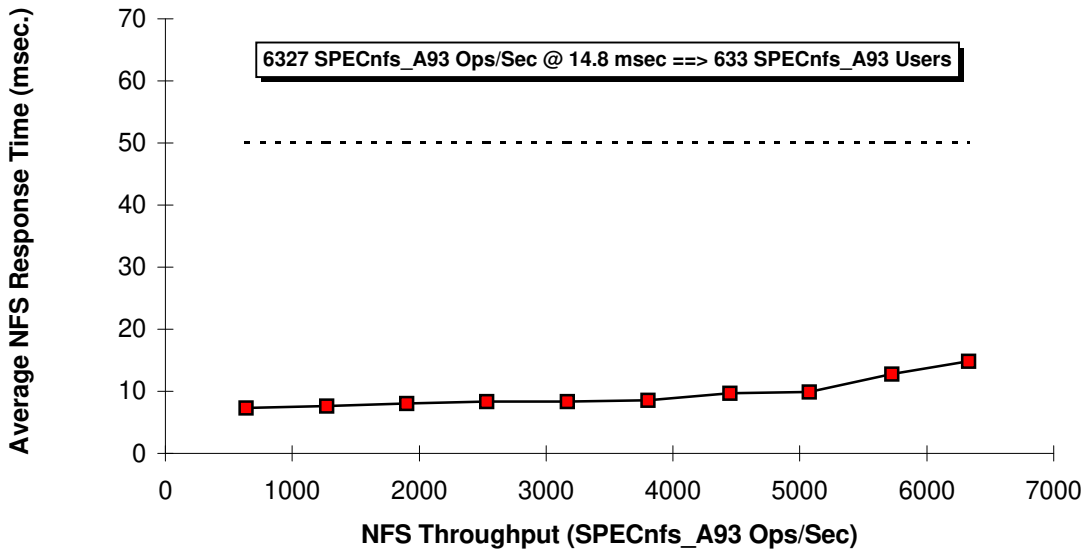
Server Tuning

(Also see Notes/Tuning below)

Buffer Cache Size	Dynamic
Num NFS Daemons	66
Fileset Size	35GB

Hardware Availability:	Aug-98	**Software Availability:**	Jul-98				
License #:	4	**Tested:**	Jun-98	**By:**	SGI	**Of:**	Mountain View, CA

NFS Throughput SPECnfs_A93 Ops/Sec	Avg. Response Time (NFS) Milliseconds
635	7.3
1270	7.6
1899	8.0
2532	8.3
3167	8.3
3805	8.6
4450	9.7
5075	9.9
5723	12.8
6327	14.8



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

ncsize=30000

All filesystems are mounted in wsync mode.

All filesystems are exported in wsync mode.

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Detailed Server Description

Network Subsystem

1 - 10/100bT onboard pci ethernet controller
2 - 10/100bT pci ethernet controller
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
Controller 2: 1 PCI Fibre Channel Cards
Disks: 66 9.1 GB Dual Port FibreChannel Disks
Controller 2: Contents: FS0,1,2,3,4,.....,65

Detailed Load Generator (LG) Description

Load Gen. Type	*Model*	*# of CPUs*	*RAM*	*OS*	*Compiler*
	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	FS0-21	Default
2	LG1	N2	FS22-43	Default
3	LG1	N2	FS44-65	Default

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