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

Silicon Graphics
Challenge S 200 MHz R4400

Server Hardware

CPU, Memory, & Power

Model No.	S
CPU	200MHz MIPS R4400
# of CPUs	1
Primary Cache	16KBI+16KBD on chip
Secondary Cache	1MB(I+D) off chip
Other Cache	None
Memory	256MB
UPS	None
Other hardware	FDDI

Server Software

OS Version	IRIX 6.2
Other software	FDDIXpress, NFS
File system	XFS

Load Generators (LGs)

Number of Load Generators:	2
Processes Per Load Generator:	12
Biod_Max_Reads:	2
Biod_Max_Writes:	2

Disk Subsystem & Filesystems

(Full Configuration on Side 2)

Num Disk Controllers	3
Num Disks	17
Num File Systems	16 (FS0-FS15)

Network Subsystem

(Full Configuration On Side 2)

Num Net Controllers	1
Num Networks	1
Type Network	FDDI

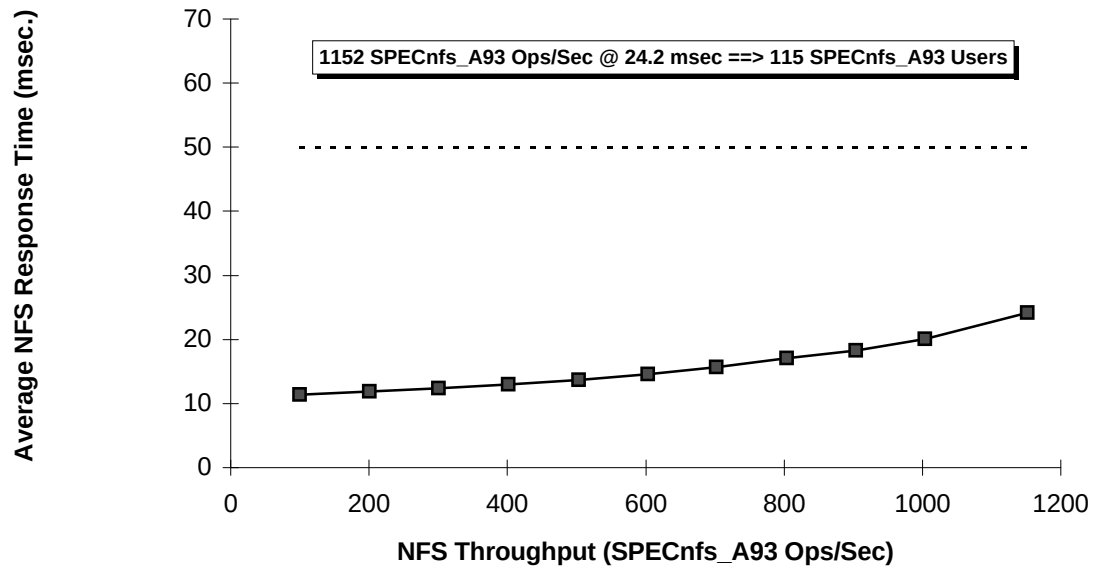
Server Tuning

(Also see Notes/Tuning below)

Buffer Cache Size	Dynamic
Num NFS Daemons	34
Fileset Size	6.3GB

NFS Throughput SPECnfs_A93 Ops/Sec	Avg. Response Time (NFS) Milliseconds
100	11.4
201	11.9
301	12.4
402	13.0
503	13.7
603	14.6
702	15.7
804	17.1
904	18.3
1004	20.1
1152	24.2

Hardware Availability:	Aug-95	**Software Availability:**	Mar-96		
License #:	4	**Tested:**	Jan-96	**By:**	SGI	**Of:**	Mountain View, CA



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

ncsize = 10000

All filesystems are mounted in wsync mode.
All filesystems are exported in wsync mode.

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Detailed Server Description

Network Subsystem

FDDI controller

Disk Subsystem & Filesystems

Controller 1: SCSI
Disks: 1 SCSI 1GB internal
Contents: OS, swap space
Controllers 2-4: SCSI Fast/Wide Diff
Disks 1-16: 2GB(7200RPM)
Controller 2: Disks: 1-8,FS0,2,4,6,8,10,12,14
Controller 3: Disks: 9-16,FS1,3,5,7,9,11,13,15

Detailed Load Generator (LG) Description

Load Gen. Type	*Model*	*# of CPUs*	*RAM*	*OS*	*Compiler*
LG1	Indy	1 175MH	32MB	IRIX 5.3	Ansi C, 3.17

Testbed Configuration

Load Gen. #	*Load Gen. Type*	*Network*	*Target File Systems*	*Notes*
1	LG1	N1	FS0-FS11	
2	LG1	N1	FS12-FS15,FS0-3	

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