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

Silicon Graphics
Challenge DM 2 x 200 MHz R4400

Server Hardware

CPU, Memory, & Power

Model No.	D-48602-S3
CPU	200MHz MIPS R4400
# of CPUs	2
Primary Cache	16KBI+16KBD on chip
Secondary Cache	4MB(I+D) off chip
Other Cache	None
Memory	512MB 2-way interleaved
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:	4
Processes Per Load Generator:	4
Biod_Max_Reads:	4
Biod_Max_Writes:	2

Disk Subsystem & Filesystems

(Full Configuration on Side 2)

Num Disk Controllers	4
Num Disks	25
Num File Systems	24 (FS0-FS23)

Network Subsystem

(Full Configuration On Side 2)

Num Net Controllers	2
Num Networks	2 (N1-N2)
Type Network	FDDI

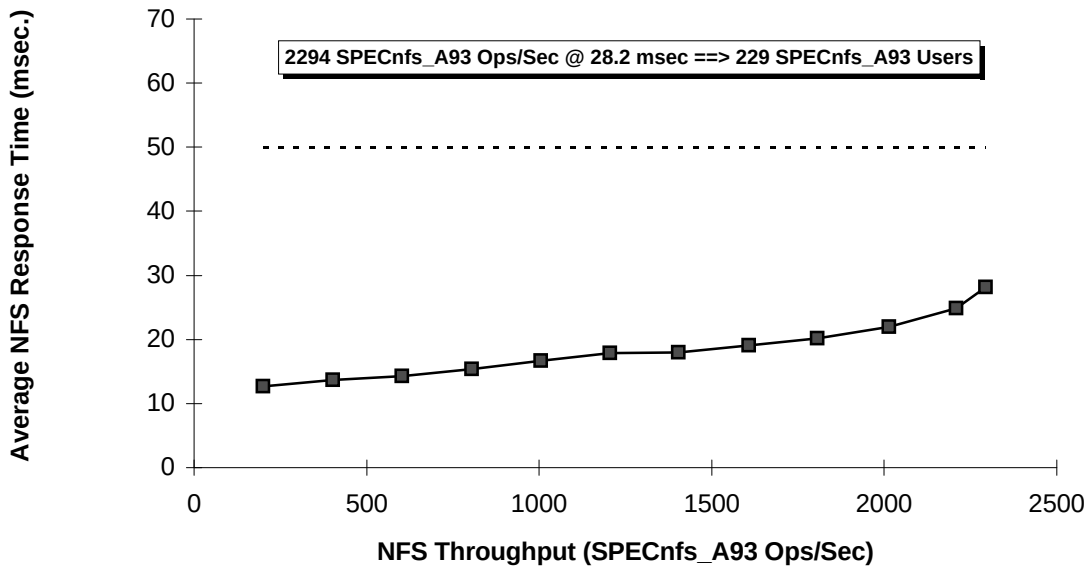
Server Tuning

(Also see Notes/Tuning below)

Buffer Cache Size	Dynamic
Num NFS Daemons	56
Fileset Size	13GB

NFS Throughput SPECnfs_A93 Ops/Sec	Avg. Response Time (NFS) Milliseconds
201	12.7
402	13.7
603	14.3
805	15.4
1005	16.7
1205	17.9
1404	18.0
1608	19.1
1807	20.2
2014	22.0
2208	24.9
2294	28.2

Hardware Availability:	Jan-96		**Software Availability:**	Mar-96	
License #:	4	**Tested:** Jan-96	**By:**	Silicon Graphi	**Of:** Mountain View, CA



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

ncsize = 20000

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

1 C8-FDDIXPHID FDDI controller
each controller connects to 2 FDDI rings

Disk Subsystem & Filesystems

Controller 1: SCSI Fast/Wide Diff
Disks: 1 SCSI 2GB
Contents: OS, swap space
Controllers 2-4: SCIP-SCSI Fast/Wide Diff
Disks 1-16: 2GB(7200RPM)
Controller 2: Disks: 1-8,FS0,3,6,9,12,15,18,21
Controller 3: Disks: 9-16,FS1,4,7,10,13,16,19,22
Controller 4: Disks: 17-24,FS2,5,8,11,14,17,20,23

Detailed Load Generator (LG) Description

Load Gen. Type	*Model*	*# of CPUs*	*RAM*	*OS*	*Compiler*
LG1	Indy	1 200MH	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-FS23	
3	LG1	N2	FS0-FS11	
4	LG1	N2	FS12-FS23	

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