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

Silicon Graphics Challenge

Server Hardware

CPU, Memory, & Power

Model No.	S
File Processor	150MHz MIPS R4400
Number of FPs	1
Metadata Cache	16KBI+16KBD on chip
Other Cache	1MB(I+D) off chip
Host Processor	None
Memory	256MB
UPS	None
Other hardware	FDDI

Server Software

OS Version	IRIX 5.3
Other software	FDDIXpress, NFS
File system	EFS

Load Generators (LGs)

Number of Load Generators:	4
Processes Per Load Generator:	8
Biod_Max_Reads:	2
Biod_Max_Writes:	2

Disk Subsystem & Filesystems

(Full Configuration on Side 2)

# Disk Controllers	3
# Disks	9
# File Systems	8 (FS0-FS7)

Network Subsystem

(Full Configuration On Side 2)

# Net Controllers	1
# Networks	1 (N1)
Type Network	FDDI

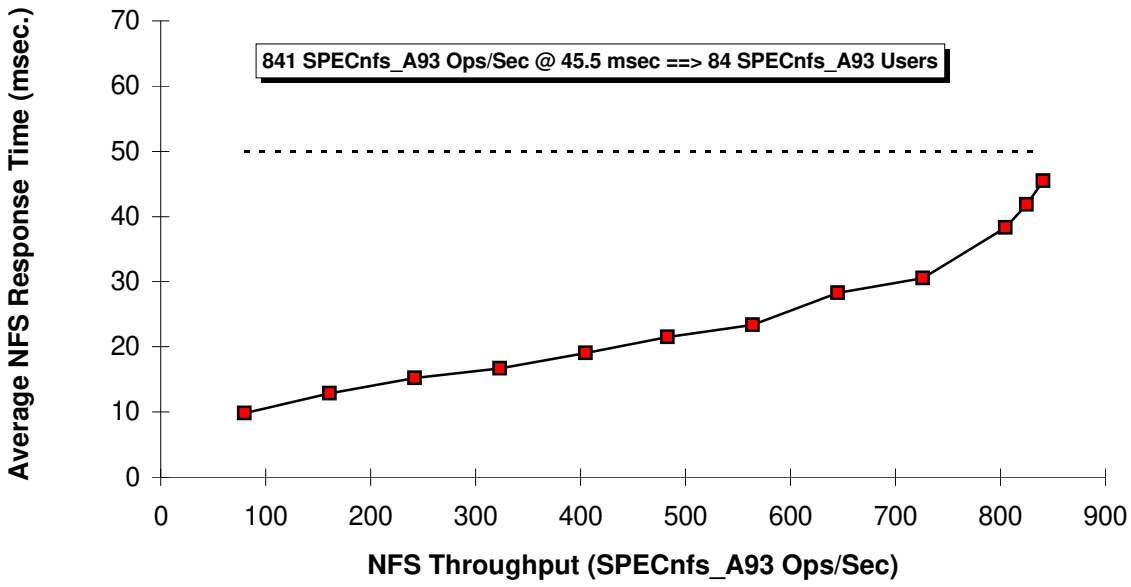
Server Tuning

(Also see Notes/Tuning below)

Buffer Cache Size	Dynamic
# NFS Daemons	36
Fileset Size	4.6GB

NFS Throughput SPECnfs_A93 Ops/Sec	Avg. Response Time (NFS) Milliseconds
80	9.8
161	12.9
242	15.2
323	16.7
405	19.0
483	21.5
564	23.4
645	28.3
726	30.5
805	38.3
825	41.8
841	45.5

Hardware Availability:	Dec-94	**Software Availability:**	Dec-94		
License #:	4	**Tested:**	Jan-95	**By:**	Silicon Graphi	**Of:**	Mountain View, CA



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

```
ncsize = 8000
vnode_free_ratio = 32
All exported filesystems are 800MB in size and exported in wsync
```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SPEC SFS 1 Summary (Side 2 of 2) 097.LADDIS

Silicon Graphics Challenge

Detailed Server Description

Network Subsystem

FDDI controller: 3 LG1, 1 LG2

Disk Subsystem & Filesystems

Controller 1: SCSI
Disks: 1 SCSI 1GB
Contents: OS, swap space
Controllers 2-3: SCSI Fast/Wide Diff
Disks 1-8: 2GB(7200RPM)
Controller 2: Disks: 1-4, FS0,2,4,6
Controller 3: Disks: 5-8, FS1,3,5,7

Detailed Load Generator (LG) Description

Load Gen. Type	*Model*	*# of CPUs*	*RAM*	*OS*	*Compiler*
LG1	Indy	1 100MH	64MB	IRIX 5.2	Ansi C, 3.17
LG2	Indy	1 150MH	64MB	IRIX 5.2	Ansi C, 3.17

Testbed Configuration

Load Gen. #	*Load Gen. Type*	*Network*	*Target File Systems*	*Notes*
1	LG1	N1	FS0-FS7	lbsize=32768
2	LG1	N1	FS0-FS7	lbsize=32768
3	LG1	N1	FS0-FS7	lbsize=32768
4	LG2	N1	FS0-FS7	lbsize=32768

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

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