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

Falcon Systems
FastfilePro 5000

Server Hardware

CPU, Memory, & Power

Model No.	FastfilePro 5000
CPU	133MHz Pentium
# of CPUs	1
Primary Cache	8KBI+8KBD on chip
Secondary Cache	256KB(I+D) off chip
Other Cache	None
Memory	192MB
UPS	None
Other hardware	Fast Ethernet

Disk Subsystem & Filesystems

(Full Configuration on Side 2)

Num Disk Controllers	2
Num Disks	13
Num File Systems	6 (F1-F6)

Network Subsystem

(Full Configuration On Side 2)

Num Net Controllers	1
Num Networks	1
Type Network	100BaseTX

Server Software

OS Version	Falcon AerReal 3.3
Other software	None
File system	JAS

Server Tuning

(Also see Notes/Tuning below)

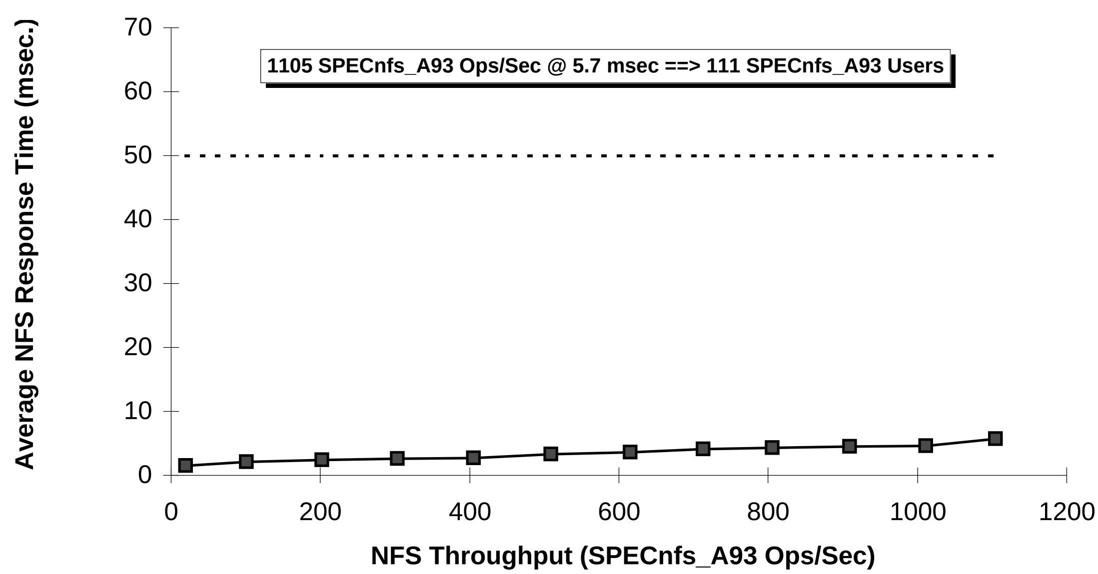
Buffer Cache Size	Dynamic
Num NFS Daemons	20
Fileset Size	6.0GB

Load Generators (LGs)

Number of Load Generators:	2
Processes Per Load Generator:	3
Biod_Max_Reads:	2
Biod_Max_Writes:	2

Hardware Availability:	Jan-97		**Software Availability:**	Jan-97	
License #:	950	**Tested:** Dec-96	**By:** Falcon	**Of:**	Sacramento, CA

NFS Throughput SPECnfs_A93 Ops/Sec	Avg. Response Time (NFS) Milliseconds
20	1.5
101	2.1
202	2.4
303	2.6
405	2.7
509	3.3
615	3.6
713	4.1
806	4.3
909	4.5
1011	4.6
1105	5.7



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

The following command was placed in the CONFIG.NCF file

=sfs2_nra=1

JAS file system writes are synchronous to guarantee file system integrity against power interruptions.

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

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Detailed Server Description

Network Subsystem

1 Cogent EM110TX PCI 100BaseTX Controller
1 100BaseTX Net (N1): 2 LGs

Disk Subsystem & Filesystems

Controller 1: Adaptec 2740 SCSI Disk Controller
Disks: 1 Seagate ST31051N 1GB
Contents: OS
Controller 2: Mylex DAC960PD-2 RAID Controller with 8MB RAM and BBU
Disks: 12 Seagate ST34371W 4GB
Contents: F1-F6 (Each RAID 0: 2 striped disks, one per channel)

Detailed Load Generator (LG) Description

Load Gen. Type	*Model*	*# of CPUs*	*RAM*	*OS*	*Compiler*
LG1	Sun Ultra1 170	1	256MB	Solaris 2.5.1	SPARCWorks C 4.0
LG2	Sun Ultra2 170	2	192MB	Solaris 2.5.1	SPARCWorks C 4.0

Testbed Configuration

Load Gen. #	*Load Gen. Type*	*Network*	*Target File Systems*	*Notes*
Load	Load			Filesystem
Gen	Gen		Target	Mount
Number	Type	Network	Filesys	Options
1	LG1	N1	F1,F3,F5	Default
2	LG2	N1	F2,F4,F6	Default

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