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

Falcon Systems

FastfilePro 7000 - RAID 5

Server Hardware

CPU, Memory, & Power

Model No.	FastfilePro 7000
CPU	200MHz PentiumPro
# of CPUs	1
Primary Cache	8KBI+8KBD on chip
Secondary Cache	256KB(I+D) on chip
Other Cache	None
Memory	256MB
UPS	None
Other hardware	None

Server Software

OS Version	Falcon AerReal 3.3B
Other software	None
File system	JAS

Load Generators (LGs)

Number of Load Generators:	2
Processes Per Load Generator:	6
Biod_Max_Reads:	2
Biod_Max_Writes:	2

Disk Subsystem & Filesystems

(Full Configuration on Side 2)

Num Disk Controllers	4
Num Disks	62
Num File Systems	6 (F1-F6)

Network Subsystem

(Full Configuration On Side 2)

Num Net Controllers	2
Num Networks	2 (N1,N2)
Type Network	100baseTX

Server Tuning

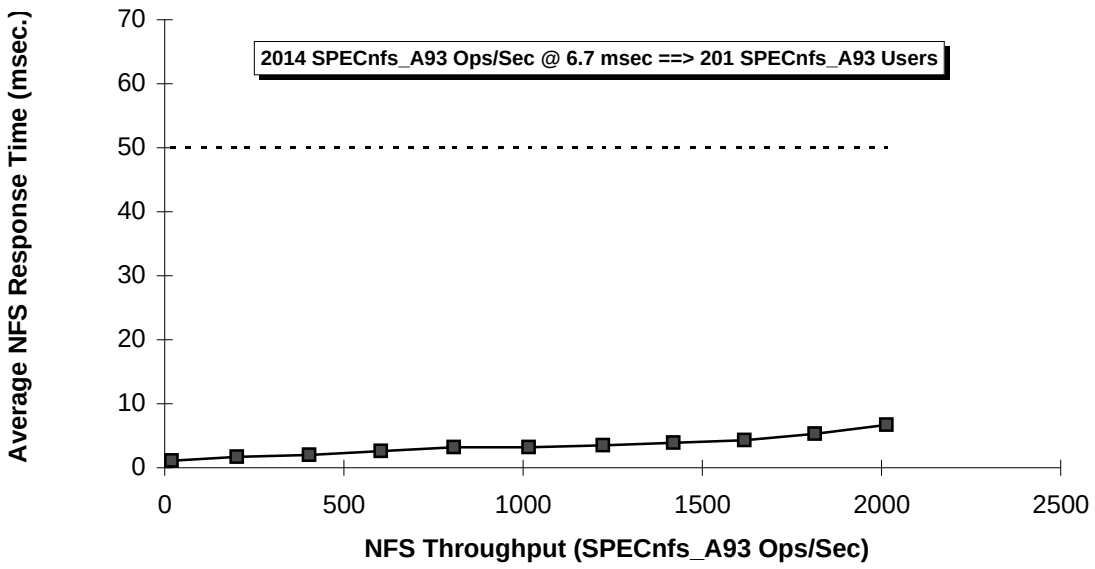
(Also see Notes/Tuning below)

Buffer Cache Size	Dynamic
Num NFS Daemons	20
Fileset Size	11.2GB

NFS Throughput SPECnfs_A93 Ops/Sec	Avg. Response Time (NFS) Milliseconds
20	1.1
202	1.7
403	2.0
604	2.6
808	3.2
1016	3.2
1223	3.5
1419	3.9
1618	4.3
1815	5.3
2014	6.7

Hardware Availability: Jun-97 **Software Availability:** May-97

License #: 950 **Tested:** Jun-97 **By:** Falcon **Of:** Sacramento, CA



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

Falcon Systems
FastfilePro 7000 - RAID 5

Detailed Server Description

Network Subsystem

2 Adaptec ANA6911 PCI 10/100baseTX Adapters
2 100baseTX Nets (N1,N2): 1 LG per Net

Disk Subsystem & Filesystems

Controller 1: Adaptec 2940W SCSI Disk Controller
Disks: 1 Seagate ST32151W
Contents: OS
Disks: 1 FF9420A 64MB Non-Volatile Solid-State Disk
Contents: File System Journals (F1-F6)
Controller 2: Mylex DAC960PD-3 RAID Controller with 8MB RAM and BBU
Disks: 20 IBM DCRS39100W
Contents: F1-F2 (Each comprised of two 4+1 RAID 5 sets)
Controller 3: Mylex DAC960PD-3 RAID Controller with 8MB RAM and BBU
Disks: 20 Seagate ST34501W
Contents: F3-F4 (Each comprised of two 4+1 RAID 5 sets)
Controller 4: Mylex DAC960PD-3 RAID Controller with 8MB RAM and BBU
Disks: 20 Seagate ST34501W
Contents: F5-F6 (Each comprised of two 4+1 RAID 5 sets)

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*
1	LG1	N1	F1-F6	Default
2	LG2	N2	F1-F6	Default

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