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

Axil Computer Inc.

S/420 Server

Server Hardware

CPU, Memory, & Power

Model No.	S/420
CPU	85MHz Super SPARC II
# of CPUs	2
Primary Cache	20KBI+16KBD on chip
Secondary Cache	1MB(I+D) off chip
Other Cache	none
Memory	960MB
UPS	none
Other hardware	Axil PrestoServe (4MB NVSIMM) + Sbus Expansion Box

Server Software

OS Version	Solaris 2.5
Other software	none
File system	ufs

Load Generators (LGs)

Number of Load Generators:	6
Processes Per Load Generator:	7
Biod_Max_Reads:	2
Biod_Max_Writes:	2

Disk Subsystem & Filesystems

(Full Configuration on Side 2)

Num Disk Controllers	4
Num Disks	15
Num File Systems	14 (F1-F14)

Network Subsystem

(Full Configuration On Side 2)

Num Net Controllers	1
Num Networks	N1
Type Network	FDDI

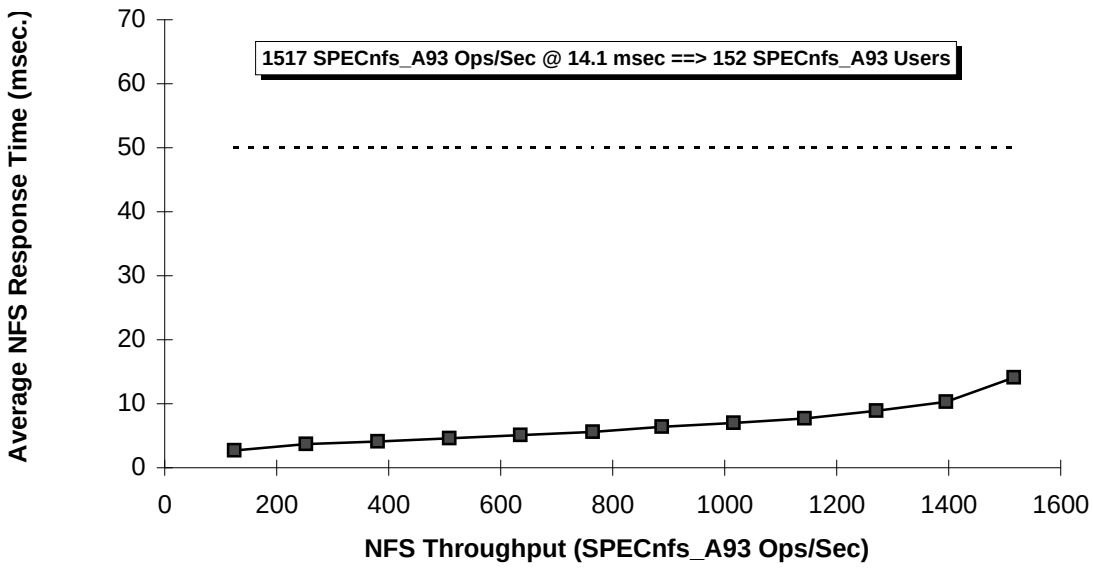
Server Tuning

(Also see Notes/Tuning below)

Buffer Cache Size	Dynamic
Num NFS Daemons	200
Fileset Size	8.2GB

NFS Throughput SPECnfs_A93 Ops/Sec	Avg. Response Time (NFS) Milliseconds
125	2.7
252	3.7
380	4.1
509	4.6
635	5.1
764	5.6
888	6.4
1016	7.0
1143	7.7
1271	8.9
1395	10.3
1517	14.1

Hardware Availability:	Nov-95			**Software Availability:**	Nov-95		
License #:	51	**Tested:**	Jun-96	**By:**	Axil	**Of:**	Santa Clara CA



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

Maxusers=32 ufs_ninode=48000

ncsize=48000 bufhwm=24000

autoup=600 tune_t_fsflushr=600

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

Axil Computer Inc.

S/420 Server

Detailed Server Description

Network Subsystem

1 Network Peripherals FDDI Concentrator
1 FDDI (N1): 6 LGs
1 FDDI (N1): S/420 Server

Disk Subsystem & Filesystems

Sbus CHANNEL 0
Controller 1 ISP 1000 16-bit SCSI
Disks: 2.1GB Conner CFP2107W
Contents: F1-F4
Sbus Expansion card (connected to the Sbus expansion box)
Contoller 2 ISP 1000 SCSI (Inside the Sbus expansion box)
Disks: 2.1GB Conner CFP2107W
Contents F5-F7
Sbus CHANNEL 1
Controller 3 ISP 1000 16-bit SCSI
Disks: 2.1GB Conner CFP2107W
Contents: F8-F11
Controller 4 ISP 1000 16-bit SCSI
Disks: 2.1 GB Conner CFP2107W
Contents F12-F14

Detailed Load Generator (LG) Description

Load Gen. Type	*Model*	*# of CPUs*	*RAM*	*OS*	*Compiler*
LG1	Axil 311 6.1 Super SPARC	1	32MB	Solaris 2.4	SUNspro 3.0
LG2	Axil 311 5.1 Super SPARC	1	32MB	Solaris 2.4	SUNspro 3.0
LG3	Axil 311 66Mhz Hyper SPARC	2	32MB	Solaris 2.4	SUNspro 3.0

Testbed Configuration

Load Gen. #	*Load Gen. Type*	*Network*	*Target File Systems*	*Notes*
1	LG1	N1	F1,F8,F12,F5,F2,F9,F13	Default
2	LG2	N1	F6,F3,F10,F14,F7,F4,F11	Default
3	LG3	N1	F1,F8,F12,F5,F2,F9,F13	Default
4	LG1	N1	F6,F3,F10,F14,F7,F4,F11	Default
5	LG1	N1	F1,F8,F12,F5,F2,F9,F13	Default
6	LG2	N1	F6,F3,F10,F14,F7,F4,F11	Default

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