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	1
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

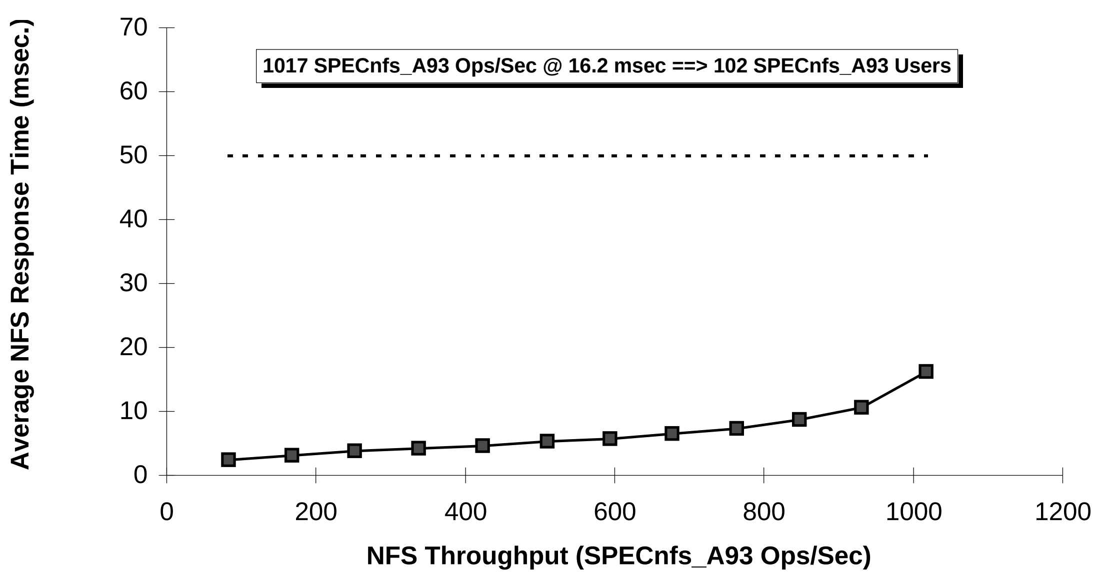
Server Tuning

(Also see Notes/Tuning below)

Buffer Cache Size	Dynamic
Num NFS Daemons	200
Fileset Size	5.5GB

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

NFS Throughput SPECnfs_A93 Ops/Sec	Avg. Response Time (NFS) Milliseconds
83	2.4
168	3.1
252	3.8
338	4.2
423	4.6
510	5.3
594	5.7
677	6.5
764	7.3
848	8.7
931	10.6
1017	16.2



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

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	
2	LG2	N1	F6,F3,F10,F14,F7,F4,F11	
3	LG3	N1	F1,F8,F12,F5,F2,F9,F13	
4	LG1	N1	F6,F3,F10,F14,F7,F4,F11	
5	LG1	N1	F1,F8,F12,F5,F2,F9,F13	
6	LG2	N1	F6,F3,F10,F14,F7,F4,F11	

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