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

Sun Microsystems Inc.

Enterprise 3000/1

Server Hardware

CPU, Memory, & Power

Model No.	Model 3000/1
CPU	167MHz UltraSPARC
# of CPUs	1
Primary Cache	16KBI+16KBD on chip
Secondary Cache	512KB(I+D) off chip
Other Cache	None
Memory	1GB
UPS	None
Other hardware	None

Server Software

OS Version	Solaris 2.5.1 pre-FCS
Other software	None
File system	UFS

Load Generators (LGs)

Number of Load Generators:	1
Processes Per Load Generator:	36
Biod_Max_Reads:	2
Biod_Max_Writes:	3

Disk Subsystem & Filesystems

(Full Configuration on Side 2)

Num Disk Controllers	3
Num Disks	37
Num File Systems	36

Network Subsystem

(Full Configuration On Side 2)

Num Net Controllers	1
Num Networks	1
Type Network	100MBit Sun FastEthernet

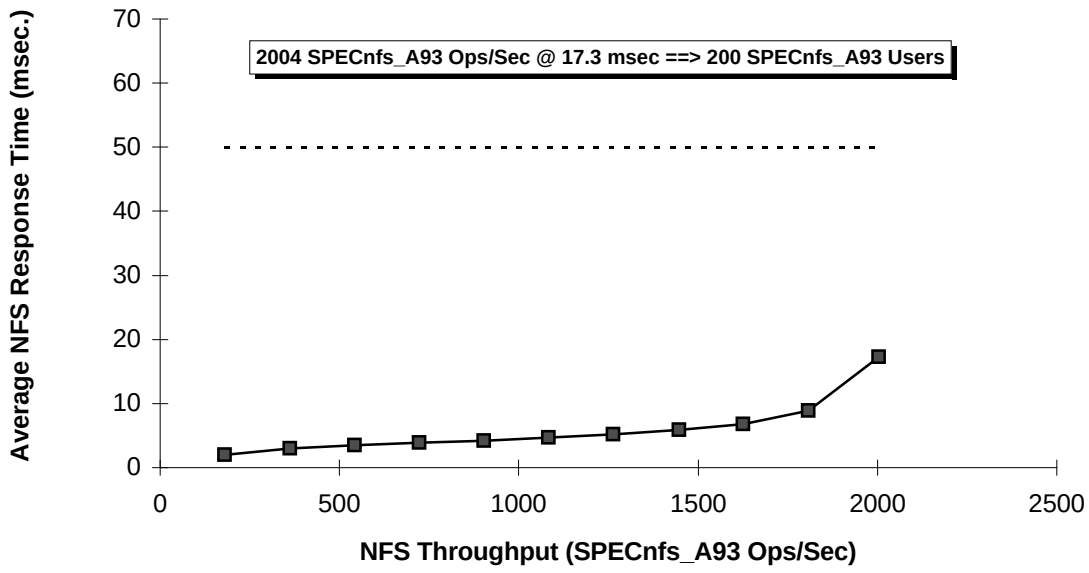
Server Tuning

(Also see Notes/Tuning below)

Buffer Cache Size	Dynamic
Num NFS Daemons	256
Fileset Size	10.3GB

NFS Throughput SPECnfs_A93 Ops/Sec	Avg. Response Time (NFS) Milliseconds
181	2.0
362	3.0
543	3.5
723	3.9
903	4.2
1083	4.7
1263	5.2
1447	5.9
1625	6.8
1808	8.9
2004	17.3

Hardware Availability:	May-96			**Software Availability:**	May-96		
License #:	6	**Tested:**	Apr-96	**By:**	Sun	**Of:**	Mountain View



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

bufhwm=65536

IGNORE_KERNEL_PREEMPTION=1

ncsize=65536

SSA fast_write enabled

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

Sun Microsystems Inc.
Enterprise 3000/1

Detailed Server Description

Network Subsystem

1 Sun FastEthernet (N1): 1 LGs

Disk Subsystem & Filesystems

Controller 1: On-board SCSI-2
Disks: 1 2GB 7200rpm
Contents: OS, swap

Controller 2:
Fiber Channel SBus (FC25/S) /Fiber Channel Optical Module (FC25/OM)
Disks: SPARCstorage Array 102 w/ 18 2GB 7200rpm drives
Contents: F1-F18

Controller 3:
Fiber Channel SBus (FC25/S) /Fiber Channel Optical Module (FC25/OM)
Disks: SPARCstorage Array 102 w/ 18 2GB 7200rpm drives
Contents: F19-F36

Detailed Load Generator (LG) Description

Load Gen. Type	*Model*	*# of CPUs*	*RAM*	*OS*	*Compiler*
LG1	Ultra2-170	2	64MB	Solaris 2.5.1 pre-FCS	SC3.0

Testbed Configuration

Load Gen. #	*Load Gen. Type*	*Network*	*Target File Systems*	*Notes*
1	LG1	N1	F1-F36	default

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