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

Sun Microsystems Inc.
Enterprise 3000/2

Server Hardware

CPU, Memory, & Power

Model No.	Model 3000/2
CPU	167MHz UltraSPARC
# of CPUs	2
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:	2
Processes Per Load Generator:	36
Biod_Max_Reads:	2
Biod_Max_Writes:	3

Disk Subsystem & Filesystems

(Full Configuration on Side 2)

Num Disk Controllers	5
Num Disks	73
Num File Systems	72

Network Subsystem

(Full Configuration On Side 2)

Num Net Controllers	2
Num Networks	2
Type Network	100MBit Sun FastEthernet

Server Tuning

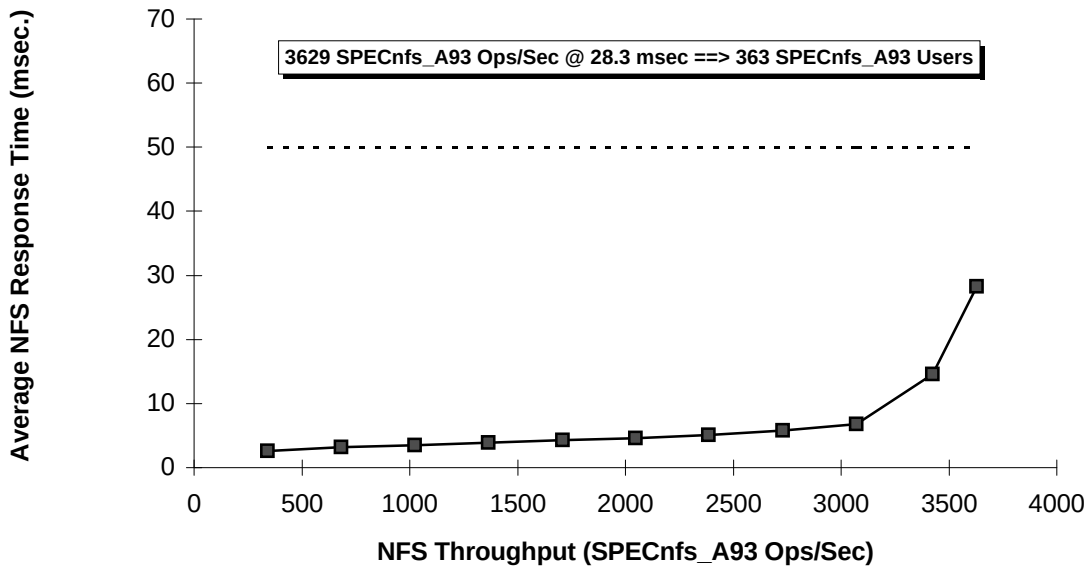
(Also see Notes/Tuning below)

Buffer Cache Size	Dynamic
Num NFS Daemons	256
Fileset Size	19.4GB

NFS Throughput SPECnfs_A93 Ops/Sec	Avg. Response Time (NFS) Milliseconds
341	2.6
682	3.2
1025	3.5
1366	3.9
1708	4.3
2046	4.6
2387	5.1
2730	5.8
3070	6.8
3424	14.6
3629	28.3

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 3000/2

Detailed Server Description

Network Subsystem

1 Sun FastEthernet (N1): 1 LGs
2 Sun FastEthernet (N2): 1 LGs

Disk Subsystem & Filesystems

Controller 1: On-board SCSI-2
Disks: 1 2GB 7200rpm

Controller 2-5:
Fiber Channel SBus (FC25/S) /Fiber Channel Optical Module (FC25/OM)
Disks: SPARCstorage Array 102 w/ 18 2GB 7200rpm drives
Contents 2: F1-F18
Contents 3: F19-F36
Contents 4: F37-F54
Contents 5: F55-F72

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,F3,...,F71	default
2	LG1	N2	F2,F4,...,F72	default

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