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

Sun Microsystems Inc.

Netra NFS Server Model 150 v1.1

Server Hardware

CPU, Memory, & Power

Model No.	Model 150
CPU	167MHz UltraSPARC
# of CPUs	1
Primary Cache	16KBI+16KBD on chip
Secondary Cache	512KB(I+D) off chip
Other Cache	None
Memory	512MB
UPS	Yes
Other hardware	None

Server Software

OS Version	Netra_NFS_SmartServe_1.1 Beta4
Other software	PrestoServe,Solstice Disk Suite 4.1
File system	UFS

Load Generators (LGs)

Number of Load Generators:	2
Processes Per Load Generator:	12
Biod_Max_Reads:	3
Biod_Max_Writes:	3

Disk Subsystem & Filesystems

(Full Configuration on Side 2)

Num Disk Controllers	3
Num Disks	25
Num File Systems	2

Network Subsystem

(Full Configuration On Side 2)

Num Net Controllers	1
Num Networks	1
Type Network	SunFastEthernet

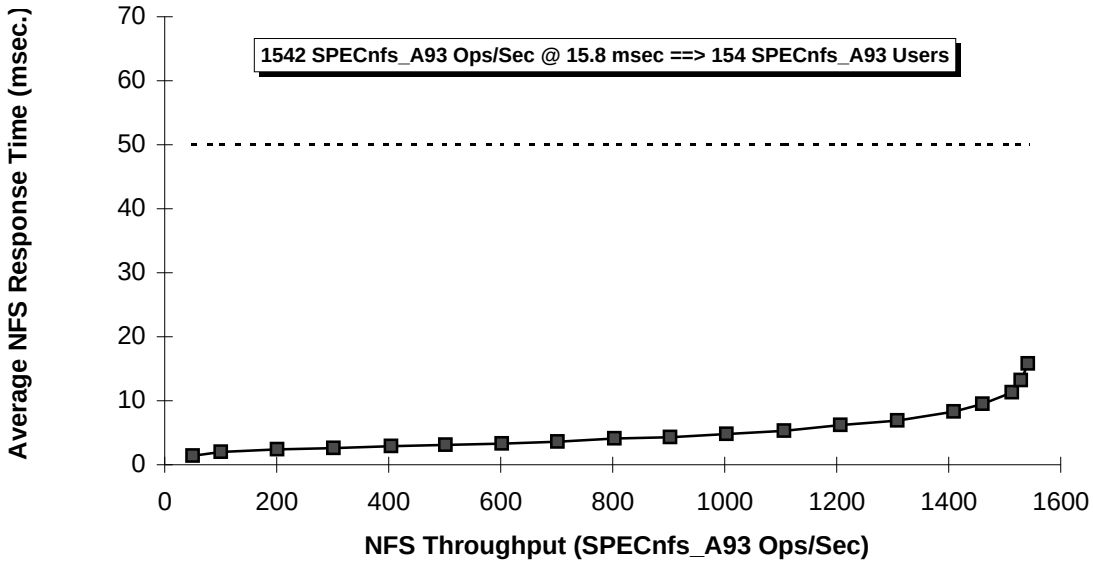
Server Tuning

(Also see Notes/Tuning below)

Buffer Cache Size	Dynamic
Num NFS Daemons	96
Fileset Size	8.3GB

NFS Throughput SPECnfs_A93 Ops/Sec	Avg. Response Time (NFS) Milliseconds
50	1.4
101	2.0
201	2.4
302	2.6
404	2.9
502	3.1
602	3.3
702	3.6
803	4.1
903	4.3
1003	4.8
1106	5.3
1207	6.2
1308	6.9
1409	8.3
1461	9.5
1513	11.3
1529	13.2
1542	15.8

Hardware Availability:	Apr-96			**Software Availability:**	Feb-97		
License #:	6	**Tested:**	Dec-96	**By:**	Sun	**Of:**	Menlo Park



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

stabmem-reg1-size=0x2000000

maxusers=2048

ufs_ninode=96000

bufhwm=48000

ncsize=96000

Answer "Yes" to automatic tuning in installation

1 internal UPS, integrated

1 external UPS, APC SmartUPS 1000XL

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

Sun Microsystems Inc.

Netra NFS Server Model 150 v1.1

Detailed Server Description

Network Subsystem	*Disk Subsystem & Filesystems*
1 Sun FastEthernet (N1): 2 LGs	Controller 1: Single-ended Wide Interface SCSI Disks: 1 2.1GB 7200rpm Contents: OS, swap Controller 2: Single-ended Wide Interface SCSI Disks: 12 2.1GB 7200rpm drives Contents: F1 (RAID 5: 12 Data Disks) Controller 3: Single-ended Wide Interface SCSI Disks: 12 2.1GB 7200rpm drives Contents: F2 (RAID 5: 12 Data Disks)

Detailed Load Generator (LG) Description

Load Gen. Type	*Model*	*# of CPUs*	*RAM*	*OS*	*Compiler*
LG1	Ultra1-170E	1	64MB	Solaris 2.5.1	SC3.0

Testbed Configuration

Load Gen. #	*Load Gen. Type*	*Network*	*Target File Systems*	*Notes*
1	LG1	N1	F1,F2	Default
2	LG1	N1	F1,F2	Default

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

PrestoServe version is PrestoServe Driver for Netra NFS 1.1