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

Sun Microsystems Inc.
Netra NFS Server Model 150

Server Hardware

CPU, Memory, & Power

Model No.	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	Present
Other hardware	None

Disk Subsystem & Filesystems

(Full Configuration on Side 2)

Num Disk Controllers	2
Num Disks	13
Num File Systems	1

Network Subsystem

(Full Configuration On Side 2)

Num Net Controllers	1
Num Networks	1
Type Network	SunFastEthernet

Server Software

OS Version	Netra_NFS_SmartServe_1.0_[Beta1]
Other software	None
File system	UFS

Server Tuning

(Also see Notes/Tuning below)

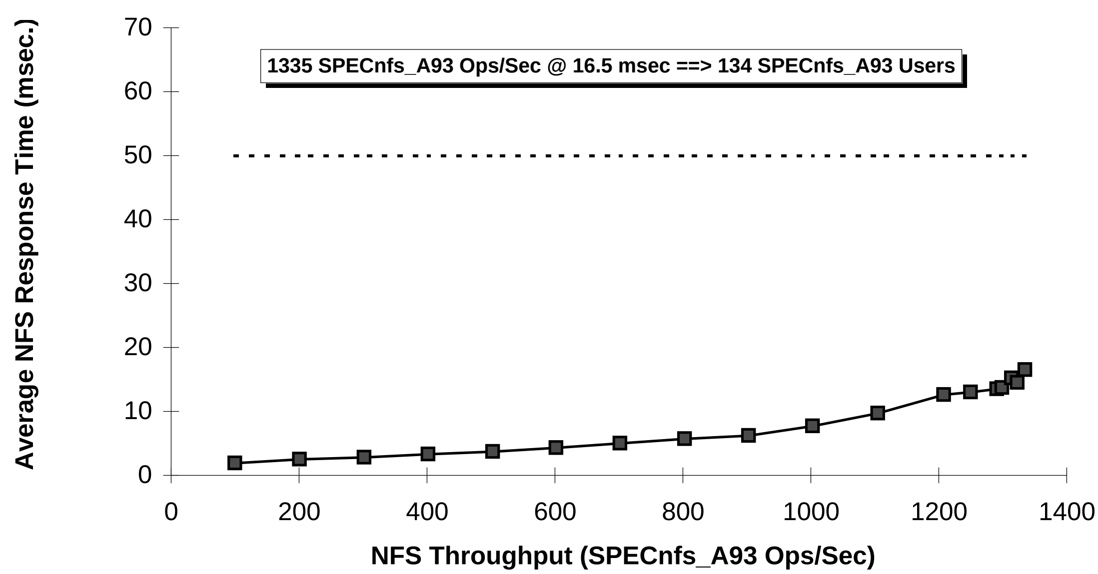
Buffer Cache Size	Dynamic
Num NFS Daemons	96
Fileset Size	7.7GB

Load Generators (LGs)

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

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

NFS Throughput SPECnfs_A93 Ops/Sec	Avg. Response Time (NFS) Milliseconds
100	1.9
201	2.5
302	2.8
402	3.3
503	3.7
602	4.3
702	5.0
803	5.7
903	6.2
1003	7.7
1105	9.7
1208	12.6
1250	13.0
1291	13.5
1299	13.7
1314	15.2
1323	14.5
1335	16.5



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

Netra nfs 150 server ships with a single filesystem integrated with RAID5

Netra nfs 150 uses stable memory. Stable memory contents are persistent across power failures and system crashes. An internal UPS device, tightly integrated with the system software protects the system from crashing as well as serving as a battery back up for stable memory.

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Detailed Server Description

Network Subsystem

1 SunFastEthernet 10/100 Sbus Adapter 2.0 (N1): 2 LGs

Disk Subsystem & Filesystems

Controller 1: On-board SCSI-2
Disks: 1 2.1GB 7200 rpm
Contents: OS, swap

Controller 2: Single-ended Wide Interface SCSI
Disks: 12 2.1GB 7200rpm drives
Contents: F1 (RAID 5: 12 Data Disks)

Detailed Load Generator (LG) Description

Load Gen. Type	*Model*	*# of CPUs*	*RAM*	*OS*	*Compiler*
LG1	Ultra 1 Series Model 170	1	128MB	Solaris 2.5	/bin/cc

Testbed Configuration

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

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

ufs_ninode=96000,ncsize=96000,bufhwm=48000,autoup=600
IGNORE_KERNEL_PREEMPTION=1,md_raid:nv_available=0x0200000
stabmem-reg1-size=0xA00000 stabmem-reg2-size=0x800000