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

Sun Microsystems Inc.
Netra NFS 2300 (RAID0+1)

Server Hardware

CPU, Memory, & Power

Model No.	Model 2300
CPU	296MHZ UltraSPARC-II
# of CPUs	2
Primary Cache	16KBI+16KBD on chip
Secondary Cache	2MB(I+D) off chip
Other Cache	64MB NVRAM
Memory	1GB
UPS	None
Other hardware	Sun Network Enterprise Array

Server Software

OS Version	Netra_NFS_SmartServe_1.3
Other software	None
File system	UFS

Load Generators (LGs)

Number of Load Generators:	2
Processes Per Load Generator:	20
Biod_Max_Reads:	3
Biod_Max_Writes:	3

Disk Subsystem & Filesystems

(Full Configuration on Side 2)

Num Disk Controllers	2
Num Disks	57
Num File Systems	4

Network Subsystem

(Full Configuration On Side 2)

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

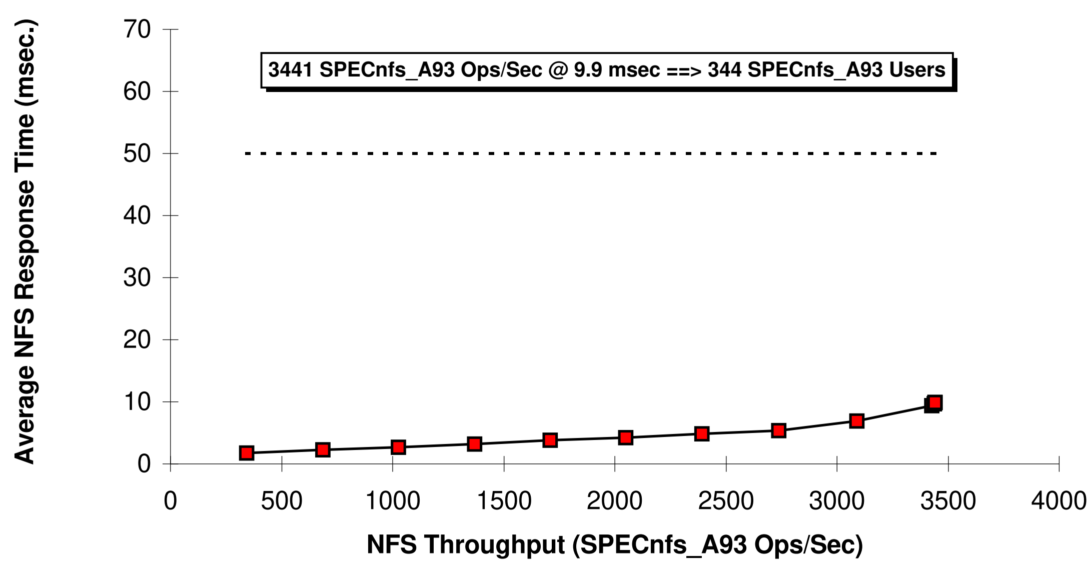
Server Tuning

(Also see Notes/Tuning below)

Buffer Cache Size	Dynamic
Num NFS Daemons	96
Fileset Size	18GB

Hardware Availability:	Jun-98		**Software Availability:**		Jun-98
License #:	6	**Tested:** Apr-98	**By:**	Sun	**Of:** Menlo Park

NFS Throughput SPECnfs_A93 Ops/Sec	Avg. Response Time (NFS) Milliseconds
342	1.8
687	2.3
1026	2.7
1368	3.2
1708	3.8
2049	4.2
2393	4.8
2738	5.4
3088	6.9
3426	9.4
3437	9.7
3437	9.7
3441	9.9
3441	9.9



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

maxdcg = 0x186A0

This is the maximum dirty cylinder groups that are allowed before cylinder group flushing starts

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Netra NFS 2300 (RAID0+1)

Detailed Server Description

Network Subsystem

1 Sun FastEthernet (N1): 2 LGs

Disk Subsystem & Filesystems

Controller 1: On-board SCSI-2
Disks: 1 2.1GB 7200rpm
Contents: OS, swap
Controller 2: SBus FC-100 Host Adapter
Contents: F1-F4 (RAID0+1: 56 Data Disks)

Detailed Load Generator (LG) Description

Load Gen. Type	*Model*	*# of CPUs*	*RAM*	*OS*	*Compiler*
	Ultra 2200	2	128MB	Solaris 2.5.1	SC 3.0

Testbed Configuration

Load Gen. #	*Load Gen. Type*	*Network*	*Target File Systems*	*Notes*
1	LG1	N1	F1-F4	Default
2	LG1	N1	F1-F4	Default

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

yes