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

## Sun Microsystems Inc.
## Enterprise 3000/6

### Server Hardware

***CPU, Memory, & Power***

| | |
|---|---|
| Model No. | Model 3000/6 |
| CPU | 167MHz UltraSPARC |
| # of CPUs | 6 |
| Primary Cache | 16KBI+16KBD on chip |
| Secondary Cache | 1024KB(I+D) off chip |
| Other Cache | None |
| Memory | 1.5GB |
| UPS | None |
| Other hardware | None |

***Server Software***

| | |
|---|---|
| OS Version | Solaris 2.5.1 |
| Other software | None |
| File system | UFS |

***Load Generators (LGs)***

| | |
|---|---|
| Number of Load Generators: | 6 |
| Processes Per Load Generator: | 20 |
| Biod_Max_Reads: | 3 |
| Biod_Max_Writes: | 5 |

***Disk Subsystem & Filesystems***

(Full Configuration on Side 2)

| | |
|---|---|
| Num Disk Controllers | 5 |
| Num Disks | 121 |
| Num File Systems | 120 |

***Network Subsystem***

(Full Configuration On Side 2)

| | |
|---|---|
| Num Net Controllers | 3 |
| Num Networks | 3 |
| Type Network | 100MBit Sun FastEthernet |

***Server Tuning***

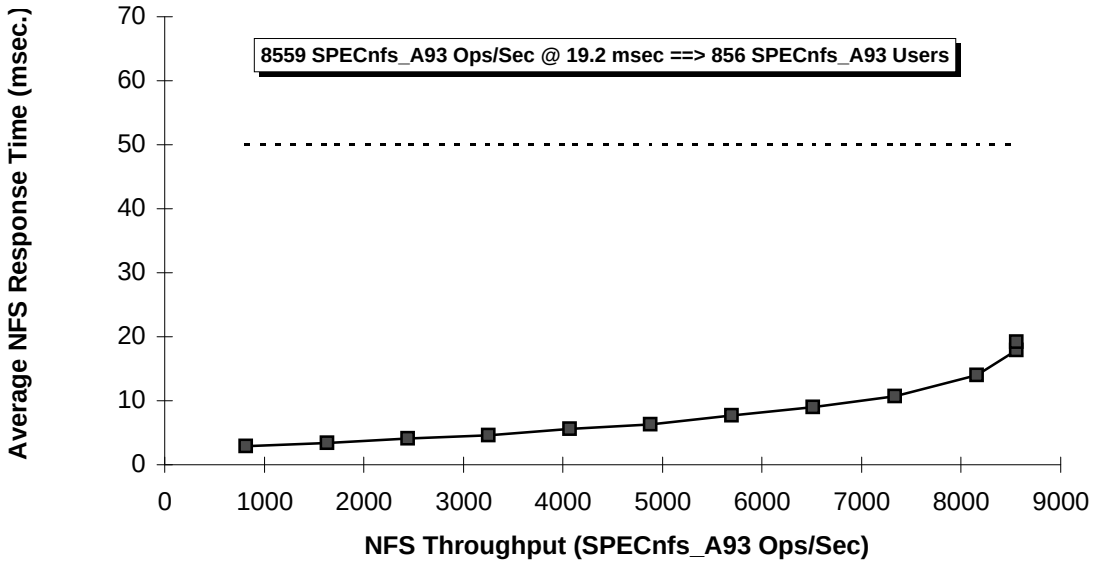
(Also see Notes/Tuning below)

| | |
|---|---|
| Buffer Cache Size | Dynamic |
| Num NFS Daemons | 255 |
| Fileset Size | 46.4GB |

| NFS Throughput SPECnfs_A93 Ops/Sec | Avg. Response Time (NFS) Milliseconds |
|---|---|
| 816 | 2.9 |
| 1634 | 3.4 |
| 2445 | 4.1 |
| 3256 | 4.6 |
| 4069 | 5.6 |
| 4879 | 6.3 |
| 5698 | 7.7 |
| 6512 | 9.0 |
| 7336 | 10.7 |
| 8157 | 14.0 |
| 8557 | 17.9 |
| 8559 | 19.2 |

**Hardware Availability:** Aug-96 **Software Availability:** May-96

**License #:** 6 **Tested:** Jul-96 **By:** Sun **Of:** Mountain View




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

IGNORE_KERNEL_PREEMPTION=1

ncsize=131072

bufhwm=131072

SSA fast_write enabled

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

## Sun Microsystems Inc.
## Enterprise 3000/6

### Detailed Server Description

***Network Subsystem***

1 Sun FastEthernet (N1): 2 LGs
2 Sun FastEthernet (N2): 2 LGs
3 Sun FastEthernet (N3): 2 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/ 30 2GB 7200rpm drives
Contents 2: F1-F30
Contents 3: F31-F60
Contents 4: F61-F90
Contents 5: F91-F120

### Detailed Load Generator (LG) Description

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

### Testbed Configuration

| *Load Gen. #* | *Load Gen. Type* | *Network* | *Target File Systems* | *Notes* |
|---|---|---|---|---|
| 1 | LG1 | N1 | F1,F7,...,F115 | |
| 2 | LG1 | N2 | F2,F8,...,F116 | |
| 3 | LG1 | N3 | F3,F9,...,F117 | |
| 4 | LG1 | N3 | F4,F10,...,F118 | |
| 5 | LG1 | N3 | F5,F11,...,F119 | |
| 6 | LG1 | N3 | F6,F12,...,F120 | |

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