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

NFS Throughput SPECnfs_A93 Ops/Sec	Avg. NFS Response Time Milliseconds
100	5.3
200	5.9
303	9.9
404	7.4
504	7.6
605	7.7
706	8.0
805	8.3
907	8.5
1008	8.9
1108	9.3
1210	9.7
1312	10.2
1413	12.1
1513	12.9
1616	13.6
1714	16.9
1736	18.7
1758	19.7
1772	21.7
1797	24.0
1815	24.9
1817	26.3

Digital Equipment Corporation
DEC 3000 Model 900S AXP Server

Server Hardware

CPU, Memory, & Power

Model No.	DEC 3000 Model 900S AXP
CPU	275 MHz DECchip 21064A
# of CPUs	1
Primary Cache	16KBI+16KBD on chip
Secondary Cache	2MB(I+D) off chip
Other Cache	None
Memory	1GB
UPS	None
Other hardware	None

Server Software

OS Version	DEC OSF/1 V3.0
Other software	None
File system	UFS

Load Generators (LGs)

Number of Load Generators:	4
Processes Per Load Generator:	6
Biod_Max_Reads:	32
Biod_Max_Writes:	32

Disk Subsystem & Filesystems

(Full Configuration on Side 2)

Num Disk Controllers	5
Num Disks	25
Num File Systems	24 (F1-F24)

Network Subsystem

(Full Configuration On Side 2)

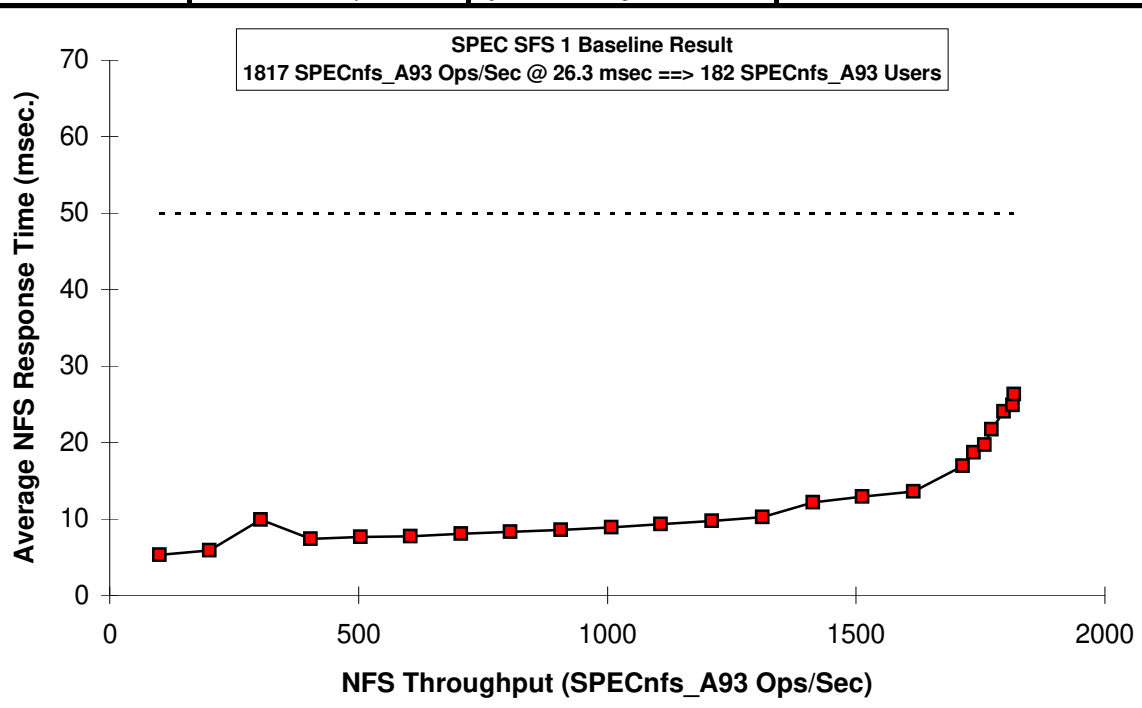
Num Net Controllers	1
Num Networks	1 (N1)
Type Network	FDDI

Server Tuning

(Also see Notes/Tuning below)

Buffer Cache Size	Dynamic (UBC Cache)
Num NFS Daemons	32
Fileset Size	8.89GB

Hardware Availability:	Aug-94			**Software Availability:**	Aug-94		
License #:	2	**Tested:**	Sep-94	**By:**	Digital	**Of:**	Boxboro, MA



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

```
bufcache: 10% (102 MB)
ubcbuffers: 1024
maxusers: 1024
ubc-maxdirtywrites: 100
prmetaonly: 1
kudp_usedrc: 0
```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SPEC SFS 1 *Baseline* Summary (Side 2 of 2) 097.LADDIS

Digital Equipment Corporation

DEC 3000 Model 900S AXP Server

Detailed Server Description

Network Subsystem

1 DEC FDDI Controller (DEFTA-AA)
  1 FDDI (N1): 4 LGs
1 DECconcentrator 500 (DEFCN-BC)

Disk Subsystem & Filesystems

1 Integral SCSI-2 Controller
  Controller 1: Disks: 1 RZ28 2.1 GB disk -- OS and swap
4 Fast Wide Differential SCSI Controllers (KZTSA-AA)

  Controller 3: Disks: 6 RZ26L 1.05 GB disk (partition c) -- F7-F12
  Controller 4: Disks: 6 RZ26L 1.05 GB disk (partition c) -- F13-F18

  Enabled for Filesystems F1-F24

Detailed Load Generator (LG) Description

Load Generator Type: LG1

Model:	DEC 3000 Model 600 AXP
# of CPUs:	1
Main Mem	64 MB
OS:	DEC OSF/1 V2.0
Compiler:	cc

Testbed Configuration

Load Generator Number	Load Generator Type	Network	Target Filesystems	Filesystem Mount Options
1	LG1	N1	F1,F7,F13,F19,F2,F8	Default
2	LG1	N1	F14,F20,F3,F9,F15,F21	Default
3	LG1	N1	F4,F10,F16,F22,F5,F11	Default
4	LG1	N1	F17,F23,F6,F12,F18,F24	Default

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

```
vnode_age: 600
vnode_dealloc_enable: 0
ufs_disable_reada: 1
use_fastsend: 1
```


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