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

Digital Equipment Corporation

DEC 3000 Model 700S AXP Server

Server Hardware

CPU, Memory, & Power

Model No.	DEC 3000 Model 700S AXP
File Processor	225 MHz DECchip 21064A
Number of FPs	1
Metadata Cache	16KBI+16KBD on chip
Other Cache	2MB(I+D) off chip
Host Processor	None
Memory	512MB
UPS	None
Other hardware	None

Disk Subsystem & Filesystems

(Full Configuration on Side 2)

# Disk Controllers	2
# Disks	21
# File Systems	20 (F1-F20)

Network Subsystem

(Full Configuration On Side 2)

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

Server Software

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

Server Tuning

(Also see Notes/Tuning below)

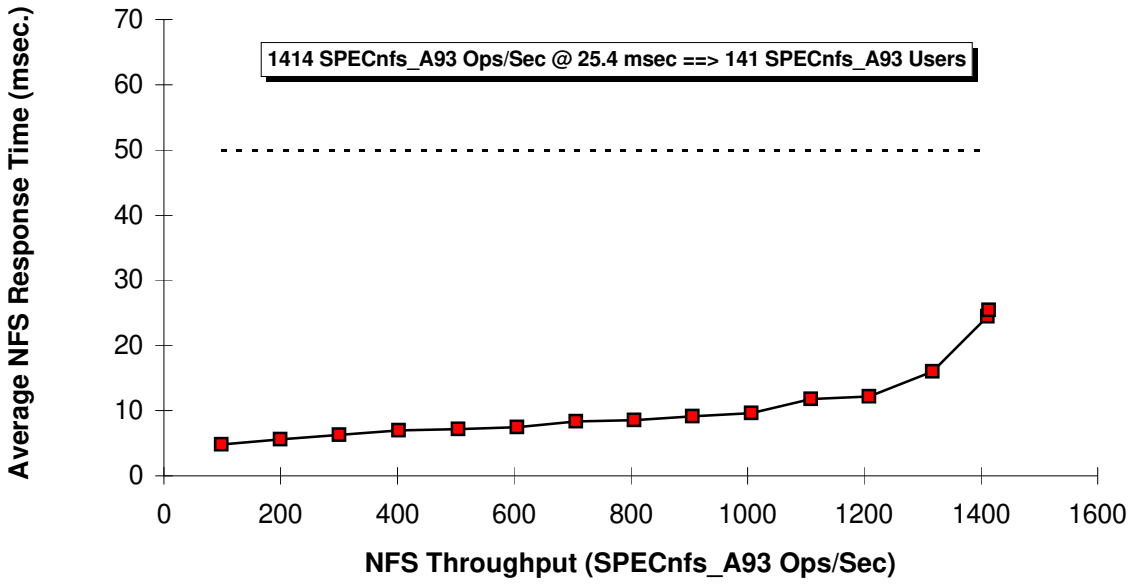
Buffer Cache Size	Dynamic (UBC Cache)
# NFS Daemons	32
Fileset Size	7.03GB

Load Generators (LGs)

Number of Load Generators:	4
Processes Per Load Generator:	5
Biod_Max_Reads:	32
Biod_Max_Writes:	32

NFS Throughput SPECnfs_A93 Ops/Sec	Avg. Response Time (NFS) Milliseconds
99	4.8
200	5.6
301	6.3
403	7.0
504	7.2
605	7.5
706	8.3
806	8.5
906	9.1
1007	9.6
1109	11.8
1209	12.2
1317	16.0
1411	24.4
1414	25.4

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: 12% (61.44 MB)
ubcbuffers: 1024
maxusers: 1024
ubc-maxdirtywrites: 100
prmetaonly: 1
kudp_usedrc: 0
vnode_age: 600
vnode_dealloc_enable: 0

© 1995 by Standard Performance Evaluation Corporation (ph:703-698-9604 ext. 325)

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

Digital Equipment Corporation
DEC 3000 Model 700S 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
6 RZ26L 1.05 GB disks (partition c) -- F15-F20
1 SCSI-2 Controller (PMAZC-AA)
Controller 2a: Disks: 7 RZ26L 1.05 GB disk (partition c) -- F1-F7
Controller 2b: Disks: 7 RZ26L 1.05 GB disk (partition c) -- F8-F14

Detailed Load Generator (LG) Description

Load Gen. Type	*Model*	*# of CPUs*	*RAM*	*OS*	*Compiler*
LG1	DEC 3000 Model 600 AXP	1	64 MB	DEC OSF/1 V2.0	cc

Testbed Configuration

Load Gen. #	*Load Gen. Type*	*Network*	*Target File Systems*	*Notes*
1	LG1	N1	F1,F8,F15,F2,F9	Default
2	LG1	N1	F16,F3,F10,F17,F4	Default
3	LG1	N1	F11,F18,F5,F12,F19	Default
4	LG1	N1	F6,F13,F20,F7,F14	Default

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

ufs_disable_reada: 1
use_fastsend: 1

 © 1995 by Standard Performance Evaluation Corporation (ph:703-698-9604 ext. 325)