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

Hewlett-Packard Company

HP9000 Model K400

Server Hardware

CPU, Memory, & Power

Model No.	K400
CPU	100MHz PA-RISC 7200
# of CPUs	4
Primary Cache	256KBI+256KBD off chip
Secondary Cache	None
Other Cache	None
Memory	1GB
UPS	None
Other hardware	None

Server Software

OS Version	HP-UX 10.01
Other software	PHNE_5363
File system	HFS

Load Generators (LGs)

Number of Load Generators:	8
Processes Per Load Generator:	15
Biod_Max_Reads:	2
Biod_Max_Writes:	2

Disk Subsystem & Filesystems

(Full Configuration on Side 2)

Num Disk Controllers	5
Num Disks	58
Num File Systems	56

Network Subsystem

(Full Configuration On Side 2)

Num Net Controllers	4
Num Networks	4
Type Network	FDDI

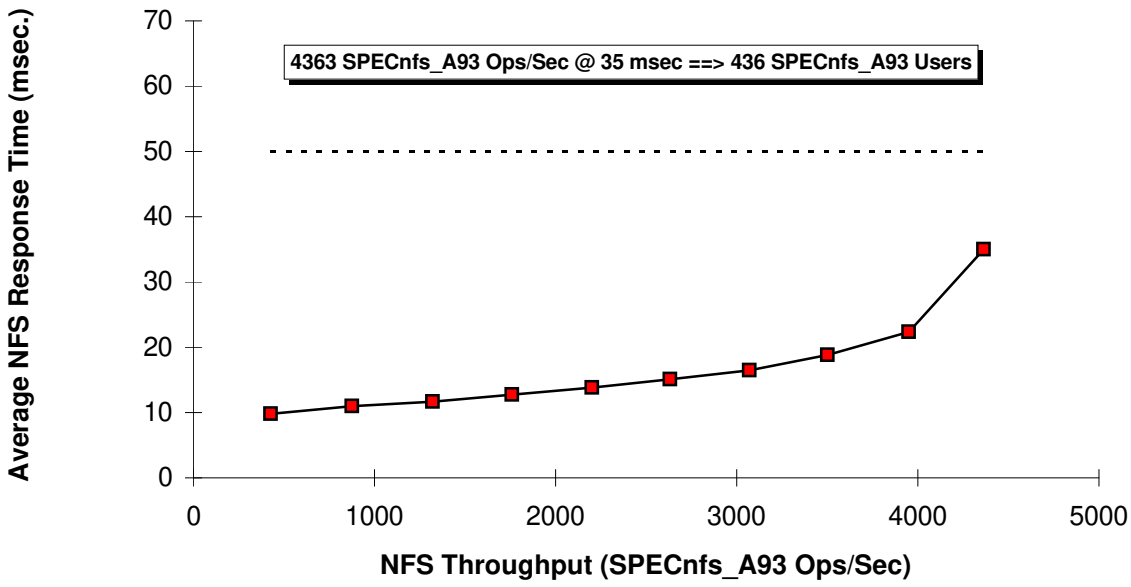
Server Tuning

(Also see Notes/Tuning below)

Buffer Cache Size	Dynamic
Num NFS Daemons	132
Fileset Size	26.5GB

NFS Throughput SPECnfs_A93 Ops/Sec	Avg. Response Time (NFS) Milliseconds
426	9.8
877	11.0
1321	11.7
1758	12.7
2201	13.8
2632	15.1
3072	16.5
3503	18.8
3950	22.4
4363	35.0

Hardware Availability:	Mar-95	**Software Availability:**	Jul-95		
License #:	3	**Tested:**	Mar-95	**By:** Hewlett-Packard	**Of:** Cupertino, CA



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

Server's HP-UX Kernel Parameters: dbc_max_pct=80 nfile=8000 ninode=80000

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

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

Hewlett-Packard Company

HP9000 Model K400

Detailed Server Description

Network Subsystem

4 FDDI interface cards J2157A: 2 LGs each
4 ODS 1085-8/6M Workgroup Concentrators

Disk Subsystem & Filesystems

Controller 1: F/W/Differential SCSI-2
Disks: 2 SCSI C2490WD 2GB Built-in
Contents: OS, page space
Controller 2: F/W/Differential SCSI-2 A2969A
Disks: 14 SCSI C2490WD 2GB
Contents: F1-F14
Controller 3: F/W/Differential SCSI-2 A2969A
Disks: 14 SCSI C2490WD 2GB
Contents: F15-F28
Controller 4: F/W/Differential SCSI-2 A2969A
Disks: 14 SCSI C2490WD 2GB
Contents: F29-F42
Controller 5: F/W/Differential SCSI-2 A2969A
Disks: 14 SCSI C2490WD 2GB
Contents: F43-F56

Detailed Load Generator (LG) Description

Load Gen. Type	*Model*	*# of CPUs*	*RAM*	*OS*	*Compiler*
LG1	HP 9000 735/99MHz Opt 009	1	32MB	HP-UX 9.01	HP 92453-01 A.09.19 HP C
LG2	HP 9000 735/125MHz Opt 009	1	80MB	HP-UX 9.05	HP 92453-01 A.09.19 HP C

Testbed Configuration

Load Gen. #	*Load Gen. Type*	*Network*	*Target File Systems*	*Notes*
1	LG1	N1	F1-F4,F15-F18,F29-F32,F43-F45	default
2	LG1	N1	F5-F8,F29-F22,F33-F35,F46-F49	default
3	LG1	N2	F9-F12,F23-F25,F36-F39,F50-F53	default
4	LG1	N2	F1,F13-F15,F26-F29,F40-F43,F54-F5	default
5	LG1	N3	F2-F5,F16-F19,F30-F33,F44-F46	default
6	LG1	N3	F6-F9,F20-F23,F34-F36,F47-F50	default
7	LG2	N4	F10-F13,F24-F26,F37-F40,F51-F54	default
8	LG2	N4	F14-F16,F27-F30,F41-F44,F55,F56	default

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

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