SPECsfs97 Result

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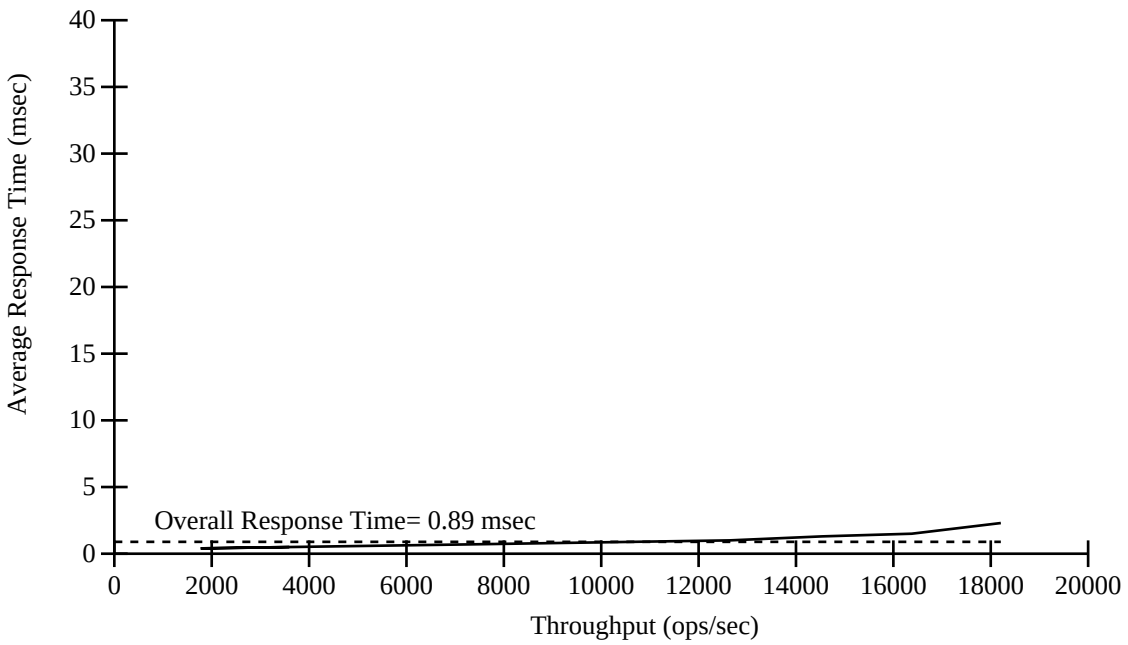
ONStor, Inc.
ONStor SF4420 / 3PAR InServ S400 Storage Server

SPECsfs97_R1.v3 =
18207 Ops/Sec (Overall Response Time = 0.89 msec)

Tested:	Dec 2003	By:	ONStor, Inc.	License #:	2192	Hardware Avail:	Feb 2004	Software Avail:	Feb 2004

Throughput (ops/sec)	Average Response (msec)
1774	0.4
3593	0.5
5435	0.6
7308	0.7
9066	0.8
10829	0.9
12637	1.0
14538	1.3
16378	1.5
18207	**2.3**



CPU, Memory and Power

Model Name:	ONStor SF4420 / 3PAR InServ S400 Storage Server
Processor:	750 Mhz Broadcom BCM1250
# of Processors:	4 (see notes)
Primary Cache:	32 KB I + 32 KB D on chip
Secondary Cache:	512 KB (I+D) on chip
Other Cache:	N/A
UPS:	N/A
Other Hardware:	Brocade SilkWorm 3800
Memory Size:	4 GB (filer) + 16 GB (3PAR InServ) (see notes)
NVRAM Size:	0
NVRAM Type:	N/A
NVRAM Description:	N/A

Server Software

OS Name and Version:	EverON 1.0.1
Other Software:	3PAR InForm OS 2.1.1
File System:	STOR-FS
NFS version:	3

Network Subsystem

Network Type:	Gigabit Ethernet
Network Controller Desc.:	custom (see notes)
Number Networks:	1
Number Network Controllers:	1
Protocol Type:	TCP
Switch Type:	Extreme networks - summit 7i - model 11704
Bridge Type:	N/A
Hub Type:	N/A
Other Network Hardware:	N/A

Server Tuning

Buffer Cache Size:	dynamic
# NFS Processes:	N/A
Fileset Size:	174.1 GB

Disk Subsystem

Number Disk Controllers:	1
Number of Disks:	120
Number of Filesystems:	8
File System Creation Ops:	N/A
File System Config:	8 TPVV striped across 60 disks (see notes)
Disk Controller:	1 FC controller with 4 ports
# of Controller Type:	1
Number of Disks:	120
Disk Type:	Hitachi 18 GB 10 K RPM - FC disks
File Systems on Disks:	vol1-vol8
Special Config Notes:	N/A

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Load Generator (LG) Configuration

Number of Load Generators:	16
Number of Processes per LG:	16
Biod Max Read Setting:	2
Biod Max Write Setting:	2

LG Type:	LG1	LG Type:	LG3
LG Model:	Rackable PC	LG Model:	Rackable PC
Number and Type Processors:	1 Ghz Intel Pentium III	Number and Type Processors:	1 Ghz Intel Pentium III
Memory Size:	1 GB	Memory Size:	1 GB
Operating System:	SunOS 5.8 Generic_108529-11 i86pc i386 i86pc	Operating System:	Red Hat Linux release 7.1 (Seawolf) Kernel 2.4.2-2 on an i68
Compiler:	N/A	Compiler:	gcc version 2.96 20000731 (Red Hat Linux 7.1 2.96-81)
Compiler Options:	N/A	Compiler Options:	N/A
Network Type:	Intel(R) PRO/1000 Network Connection	Network Type:	Intel(R) PRO/1000 Network Connection

LG Type:	LG2
LG Model:	Rackable PC
Number and Type Processors:	1 Ghz Intel Pentium III
Memory Size:	512 MB
Operating System:	SunOS 5.7 Generic_106542-08 i86pc i386 i86pc
Compiler:	N/A
Compiler Options:	N/A
Network Type:	Intel(R) PRO/1000 Network Connection

Testbed Configuration

LG #	LG Type	Network	Target File Systems	Notes
1	LG3	1	/vol1, /vol2, /vol3, /vol4, /vol5, /vol6, /vol7, /vol8, /vol1, /vol2, /vol3, /vol4, /vol5, /vol6, /vol7, /vol8	N/A
2-13	LG1	1	/vol1, /vol2, /vol3, /vol4, /vol5, /vol6, /vol7, /vol8, /vol1, /vol2, /vol3, /vol4, /vol5, /vol6, /vol7, /vol8	N/A
14-16	LG2	1	/vol1, /vol2, /vol3, /vol4, /vol5, /vol6, /vol7, /vol8, /vol1, /vol2, /vol3, /vol4, /vol5, /vol6, /vol7, /vol8	N/A

Notes/Tuning Information

A line in your notes/tuning section is too long or you have too many lines.
Please fix the problem and try again