SPECsfs97 Result

© Copyright 1997-2001 Standard Performance Evaluation Corporation

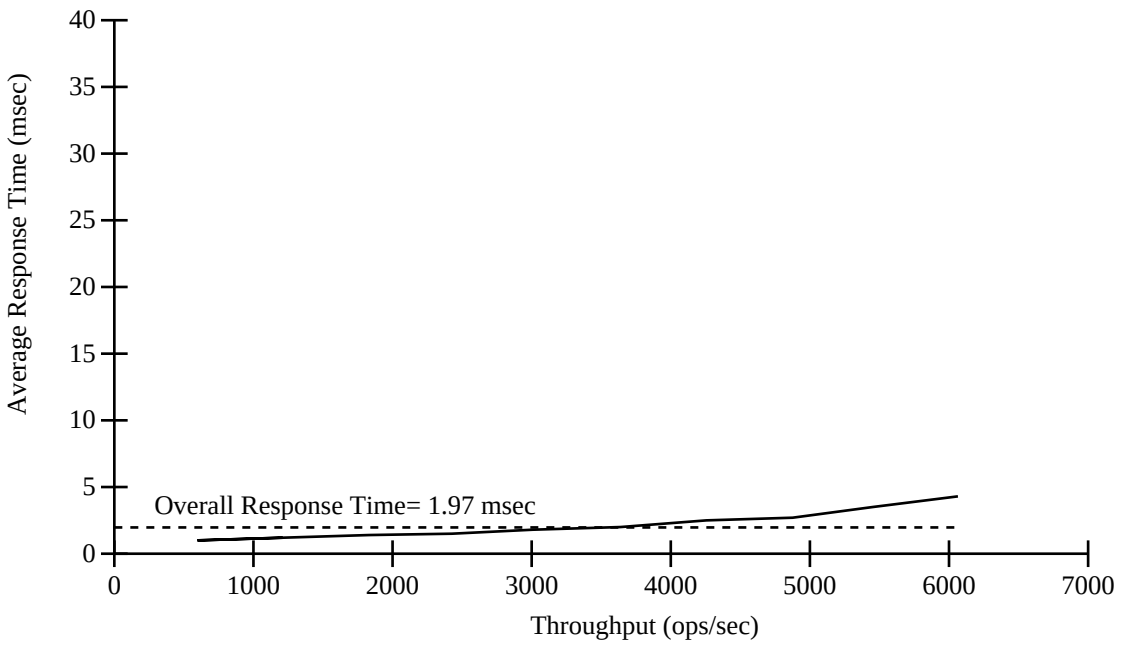
VERITAS Software Corp.
VERITAS ServPoint NAS 1.2

SPECsfs97_R1.v3 =

6064 Ops/Sec (Overall Response Time = 1.97 msec)

Tested:	December 2001	By:	VERITAS Software Corp.	License #:	65	Hardware Avail:	June 2001	Software Avail:	September 2001

Throughput (ops/sec)	Average Response (msec)
598	1.0
1209	1.2
1831	1.4
2426	1.5
3008	1.8
3639	2.0
4256	2.5
4876	2.7
5451	3.5
6064	**4.3**



CPU, Memory and Power

Model Name:	VERITAS ServPoint NAS 1.2
Processor:	750 MHz UltraSPARC-III
# of Processors:	2
Primary Cache:	32KBI+64KBD on chip
Secondary Cache:	8MB(I+D) off chip
Other Cache:	N/A
UPS:	N/A
Other Hardware:	N/A
Memory Size:	2 GB
NVRAM Size:	8192MB (1024MB per Sun StorEdge T3B controller)
NVRAM Type:	Sun StorEdge T3B write cache
NVRAM Description:	auto-sensing WB/WT depending on battery charge

Server Software

OS Name and Version:	Solaris 8 4/01
Other Software:	VERITAS ServPoint Appliance Software for NAS 1.2
File System:	VxFS
NFS version:	3

Network Subsystem

Network Type:	Gigabit Ethernet
Network Controller Desc.:	Sun GigabitEthernet PCI adaptor
Number Networks:	1 (N1)
Number Network Controllers:	1
Protocol Type:	TCP
Switch Type:	Cisco 3500XL Switch
Bridge Type:	N/A
Hub Type:	N/A
Other Network Hardware:	N/A

Server Tuning

Buffer Cache Size:	Dynamic
# NFS Processes:	1200
Fileset Size:	58.0 GB

Disk Subsystem

Number Disk Controllers:	3
Number of Disks:	73
Number of Filesystems:	8 (F1-F8)
File System Creation Ops:	-F vxfs -o bsize=1024,logsize=16384
File System Config:	default
Disk Controller:	On-board FC-AL
# of Controller Type:	1
Number of Disks:	1
Disk Type:	Seagate Cheetah 36GB 10K RPM
File Systems on Disks:	OS, swap
Special Config Notes:	N/A
Disk Controller:	QLogic 2200
# of Controller Type:	2
Number of Disks:	72
Disk Type:	Seagate Cheetah 18GB 10K RPM
File Systems on Disks:	F1-4, F5-8
Special Config Notes:	Filesystem on RAID5 LUNs (see "Other Notes")

For More Information contact

SPEC

info@spec.org
http://www.spec.org/

SPECsfs97 Result

© Copyright 1997-2001 Standard Performance Evaluation Corporation

VERITAS Software Corp.
VERITAS ServPoint NAS 1.2

SPECsfs97_R1.v3 =
6064 Ops/Sec (Overall Response Time = 1.97 msec)

Load Generator (LG) Configuration

Number of Load Generators:	8
Number of Processes per LG:	8
Biod Max Read Setting:	3
Biod Max Write Setting:	3
LG Type:	LG1
LG Model:	Sun Netra T1
Number and Type Processors:	1 x 440 MHz UltraSPARC
Memory Size:	256 MB
Operating System:	Solaris 7
Compiler:	used SPEC-supplied precompiled binaries
Compiler Options:	N/A
Network Type:	On-board 100BASE-T

Testbed Configuration

LG #	LG Type	Network	Target File Systems	Notes
1-8	LG1	N1	/F1-8, /F1-8, /F1-8, ...	N/A

Notes/Tuning Information

Other Notes
-Benchmarked on Sun Microsystems Sun Fire 280R
-
-ncsize = 30000
-
-2 FC-AL loops each connects to 4 Sun StorEdge T3B via a Brocade SilkWorm 2800
-Each Sun StorEdge T3B consists of 9 disks configured as one RAID 5 LUN
-T3B settings: 16K blk_sz, rd_ahead off, 8+1 RAID 5
-One filesystem per T3B
-
-Network Tuning:
-tcp_xmit_hiwat = 65536
-tcp_recv_hiwat = 65536
-
-VERITAS is a registered trademark of VERITAS Software Corporation in the
-U.S. and other countries. The VERITAS logo and VERITAS ServPoint, are
-trademarks of VERITAS Software Corporation. All other trademarks or
-registered trademarks are the property of their respective owners.