SPECsfs97 Result

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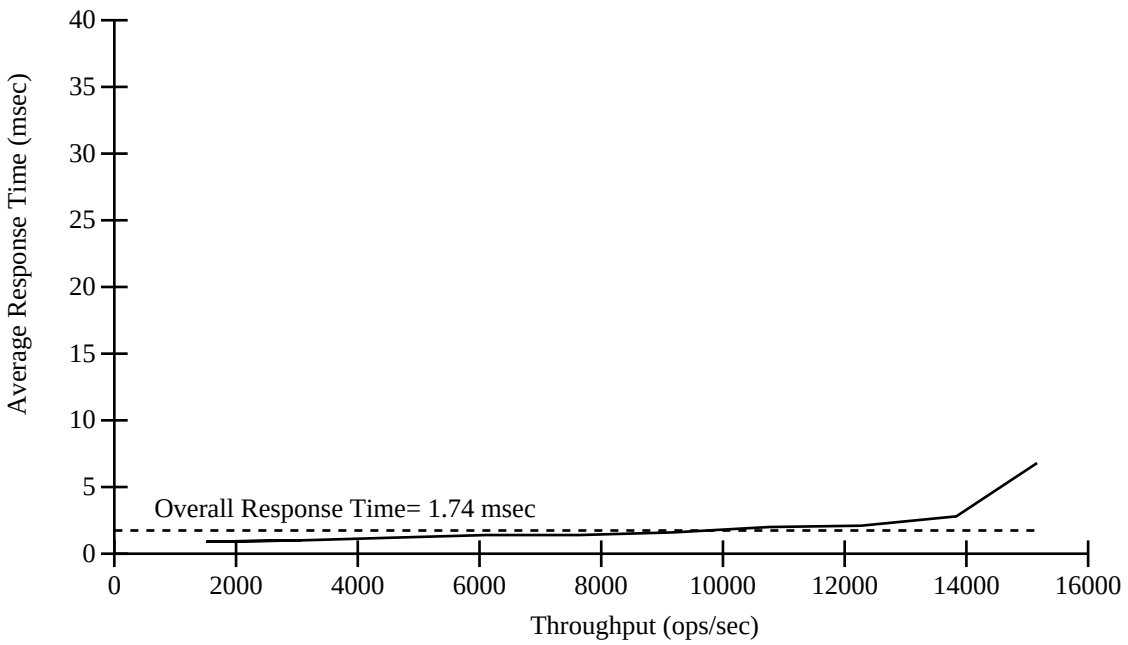
Sun Microsystems, Inc.
Sun Fire V250

SPECsfs97_R1.v3 =
15161 Ops/Sec (Overall Response Time = 1.74 msec)

Tested:	December 2003	By:	Sun Microsystems, Inc.	License #:	6	Hardware Avail:	October 2003	Software Avail:	December 2003

Throughput (ops/sec)	Average Response (msec)
1514	0.9
3064	1.0
4560	1.2
6113	1.4
7636	1.4
9191	1.6
10754	2.0
12268	2.1
13834	2.8
15161	**6.8**



CPU, Memory and Power

Model Name:	Sun Fire V250
Processor:	1.28GHz UltraSPARC IIIi
# of Processors:	2
Primary Cache:	32KBI + 64KBD on chip
Secondary Cache:	1MB on chip
Other Cache:	N/A
UPS:	N/A
Other Hardware:	N/A
Memory Size:	8 GB
NVRAM Size:	8 GB (1 GB per Sun StorEdge 6020 RAID Controller)
NVRAM Type:	Sun StorEdge 6020 write cache
NVRAM Description:	auto-sensing WB/WT depending on battery charge

Server Software

OS Name and Version:	Solaris 9 12/03
Other Software:	N/A
File System:	UFS
NFS version:	3

Network Subsystem

Network Type:	on-board 10/100/1000-Mbps BaseT
Network Controller Desc.:	Gigabit Ethernet
Number Networks:	1 (N1)
Number Network Controllers:	1
Protocol Type:	TCP
Switch Type:	Extreme / Summit 7i (fibre) and Asante GX5-2400 (copper)
Bridge Type:	N/A
Hub Type:	N/A
Other Network Hardware:	N/A

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

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Load Generator (LG) Configuration

Number of Load Generators:	3
Number of Processes per LG:	32
Biod Max Read Setting:	2
Biod Max Write Setting:	2
LG Type:	LG1
LG Model:	Sun Enterprise 420R
Number and Type Processors:	4x450MHz UltraSPARC II
Memory Size:	4GB
Operating System:	Solaris 9 8/03
Compiler:	Forte Developer 7 C 5.4 2002/03/09
Compiler Options:	-xarch=v9 -DPORTMAP -lm -lsocket -lnsl
Network Type:	Sun GigabitEthernet PCI adapter 2.0

Testbed Configuration

LG #	LG Type	Network	Target File Systems	Notes
1,2,3	LG1	N1	/F1-16, /F1-16	N/A

Notes/Tuning Information

Other Notes
-Tuning:
-rlim_fd_max=70000, rlim_fd_cur=70000, autoup=600, tune_t_fsflushr=10
-maxphys=1048576, maxusers=2048, lotsfree=1024, tcp_conn_hash_size=262144
-bufhwm=1048576, ncsize=2097152, ufs_ninode=1048576, segmap_percent=70
-ufs_HW=4194304, ufs_LW=1048576
-
-There were 2 Sun StorEdge 2Gb PCI Dual FC Network Adapters in the
-tested configuration. Each connects to 2 Sun FCAL 7-port hubs.
-Both channels of a Sun StorEdge 6120HA array are connected to each
-hub, for a total of 4 Sun StorEdge 6120HA arrays in the tested
-configuration, 2 Sun StorEdge 6120HA arrays per Sun StorEdge 2Gb Dual
-FC Network Adapter.
-
-Each Sun StorEdge 6120HA array consists of 2 6020 subarrays of 14
-disks each, configured as one RAID 0 LUN striped across 14 disks. Two
-file systems were configured on each RAID 0 LUN.
-
-Sun StorEdge 6120HA arrays include redundant batteries with
-sufficient capacity to allow an orderly shutdown of the array in
-the case of AC power loss. In case AC power is lost, the array
-will run from the batteries for a time sufficient to flush all data
-in its cache to disk, after which the array will shutdown.