SPECweb96 Result

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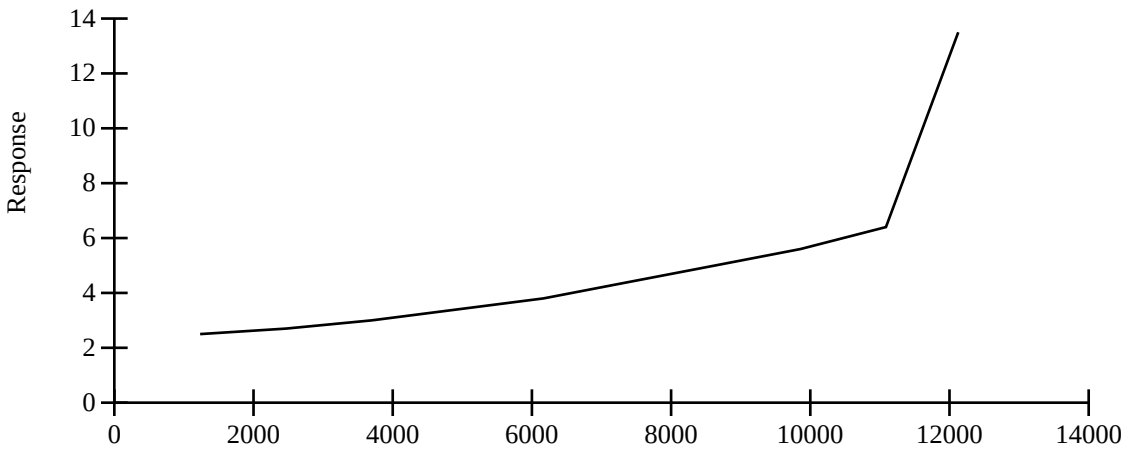
Siemens AG
Primergy 870-40

SPECweb96= 12126

Test Date : May-99
Tested by : Siemens, Germany

Hardware Avail:	Apr-99	OS Avail:	Jun-99	HTTP Software Avail:	May-99	SPEC license #:	22

Throughput ops/sec	Response msec
1233	2.5
2466	2.7
3699	3.0
4932	3.4
6166	3.8
7397	4.4
8632	5.0
9860	5.6
11087	6.4
12126	13.5



Hardware

Model Name:	Primergy 870-40
Processor:	500 MHz Pentium III Xeon
# of Processors:	4
Primary Cache:	16KI+16KD
Secondary Cache:	2 MB (D+I)
Other Cache:	None
Memory:	4 GB
Disk Subsystem:	3 x 9 GB, 1 x 4 GB, see Notes
Disk Controllers:	SCSI onboard
Other Hardware:	4 x BayStack 450-24T switch

Software

Operating System:	Solaris 7
File System:	ufs
Other Software:	Intel Gigabit Adapter driver

HTTP Software

Vendor:	Sun Microsystems
HTTP Software:	SISP2.0 incl. SWS 2.1
# of "threads":	Default
Server Cache:	Solaris Network Cache Accelerator (SNCA)
Log Mode:	Binary CLF

Network

# of Controllers:	4
Network Controllers:	Intel PRO 1000
# of Nets:	4
Type of Nets:	Gigabit Ethernet
Network Speed:	1 Gb
Time Wait (secs):	60 (Non RFC1122)

Load Generators

# of Load Generators:	18
# of Processes Each:	12
Model:	Primergy 470 and 870
Processor:	400 MHz Pentium II (870:Xeon)
# of CPUs:	2
Memory:	64 MB
OS:	Solaris 7
Compiler:	Sun C 4.2

Benchmark Configuration

Max Requested Load:	12330
Max Fileset Size (MB):	2426

Notes/Tuning Information

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Network MTU 1500 (default)
Clients wired to the server using 4 switches (BayStack 450-24T)
eeprom e1000g_intpt_bind_cpus 0,1,2,3
eeprom kernelbase 0x90000000. Used to increase virtual memory; default is 0xE0000000
SNCA (Solaris Network Cache Accelerator) works with SWS (Sun Web Server) 2.1
SWS 2.1 and SNCA are part of the 'Solaris for ISP' package 2.0, available Feb-99
For SNCA, patch 107610-02 used, available May-99
Disk usage: 2 x 9 GB for logging, 1 x 9 GB for OS (root file system), disks: ST39102LC
            1 x 4 GB for SPECweb96 file set, disk: ST34573 LC SCSI
15 Load Generators Primergy-470, 3 Load Generators Primergy-870
Intel Gigabit Adapter driver (available Jun-99), beta 0.603 used for Solaris 7 (available Nov-98)
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