SPECweb96 Result

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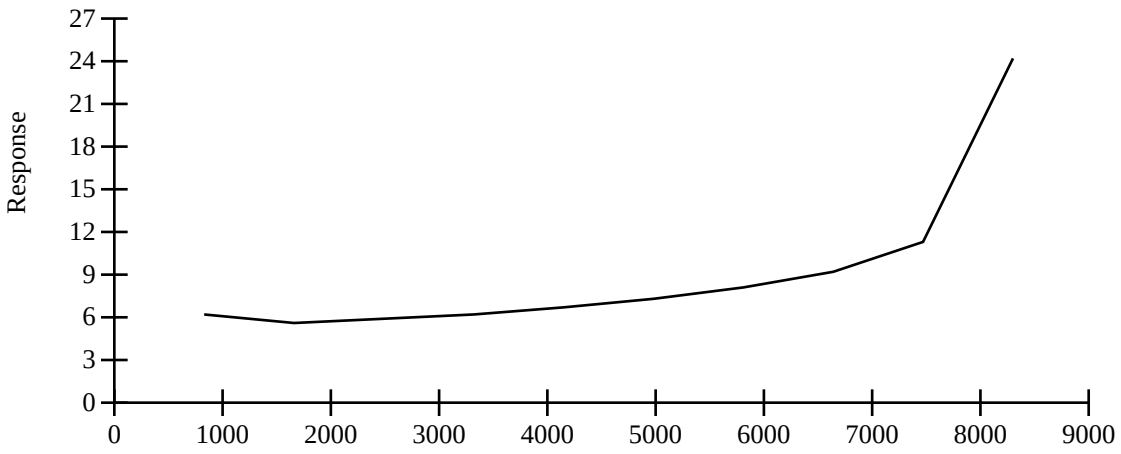
IBM
RS/6000 Model S70 RS64-2

SPECweb96= 8301

Test Date : July-98
Tested by : IBM Austin

Hardware Avail:	Aug-98	OS Avail:	Oct-98	HTTP Software Avail:	Oct-97	SPEC license #:	11

Throughput ops/sec	Response msec
830	6.2
1660	5.6
2490	5.9
3320	6.2
4150	6.7
4980	7.3
5810	8.1
6641	9.2
7470	11.3
8301	24.2



Hardware

Model Name:	RS/6000 S70 RS64-2
Processor:	262 MHz RS64-2
# of Processors:	12
Primary Cache:	64KBI+64KBD on chip
Secondary Cache:	8MB(I+D) off chip
Other Cache:	None
Memory:	4096MB (8 cards)
Disk Subsystem:	3 9.1GB 16 Bits SCSI Disk Drive
Disk Controllers:	Wide SCSI I/O Controller
Other Hardware:	ForeRunner LE 155 ATM & IBM 8260 ATM Switches

Software

Operating System:	AIX 4.3.1 + APAR IX79392
File System:	JFS
Other Software:	None

HTTP Software

Vendor:	Zeus Technology Ltd
HTTP Software:	Zeus 1.3.0
# of "threads":	12
Server Cache:	-b 1048576 -t 15000 -q -n -m 1
Log Mode:	Common Log Format

Network

# of Controllers:	12
Network Controllers:	IBM PCI 155 Mbps ATM Adapter
# of Nets:	12
Type of Nets:	ATM
Network Speed:	155 Mb/sec
Time Wait (secs):	60 (Non RFC1122)

Load Generators

# of Load Generators:	24
# of Processes Each:	12
Model:	22 RS/6000 7043-240, 2 RS/6000 7025-F40
Processor:	233 MHz PwrPC 604e
# of CPUs:	2
Memory:	256MB
OS:	AIX 4.3.1
Compiler:	IBM Cset++ Version 3.1.3

Benchmark Configuration

Max Requested Load:	8300
Max Fileset Size (MB):	1991

Notes/Tuning Information

```
ATM MTU=9180
2 clients per network
no (network option) tuning:
no -o sb_max=262144 (max buffer size allowed for a socket)
no -o somaxconn=8192 (max listen backlog)
no -o tcp_sendspace=65536 (default socket send buffer size)
no -o tcp_recvspace=65536 (default socket receive buffer size)
no -o tcp_timewait=5 (ensure that TIME_WAIT is at least 60 seconds)
chdev -l sys0 -a SW_dist_intr=true (enable SW distribution of interrupts)
12 instances of zeus processes each with different server.ini files which bind to a specific IP-address
APAR IX79392 - TCP/IP Performance Enhancement:
(Reduce lock contention on various locks for SMP)
```

For More Information contact

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