SPECweb96 Result

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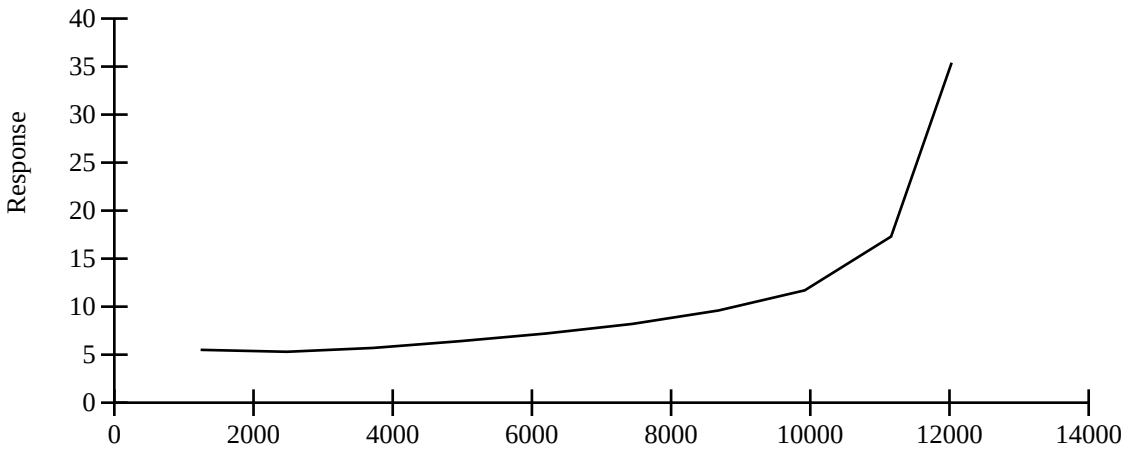
IBM
RS/6000 Model S70

SPECweb96= 12031

Test Date : Oct-98
Tested by : IBM Austin

Hardware Avail:	Aug-98	OS Avail:	Feb-99	HTTP Software Avail:	Oct-98	SPEC license #:	11

Throughput ops/sec	Response msec
1240	5.5
2480	5.3
3720	5.7
4960	6.4
6200	7.2
7442	8.2
8681	9.6
9921	11.7
11161	17.3
12031	35.4



Hardware

Model Name:	RS/6000 S70
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:	8192MB
Disk Subsystem:	4 9.1GB 16 Bits SCSI Disk Drive
Disk Controllers:	Wide SCSI I/O Controller
Other Hardware:	--

Software

Operating System:	AIX 4.3.2 + APAR IX83061
File System:	JFS
Other Software:	None

HTTP Software

Vendor:	Zeus Technology Ltd
HTTP Software:	Zeus 1.3.3
# of "threads":	12
Server Cache:	See Below
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:	36
# of Processes Each:	12
Model:	See Below
Processor:	PowerPC 604e
# of CPUs:	2
Memory:	256MB
OS:	AIX 4.3.2
Compiler:	IBM Cset++ Version 3.1.3

Benchmark Configuration

Max Requested Load:	12400
Max Fileset Size (MB):	2431

Notes/Tuning Information

```
ForeRunner LE 155 ATM Switch, IBM 8260 ATM Switch
ATM MTU=9180
3 clients per network
zeus: -b 1048576 -t 15000 -q -n -m 1 -f 13999 -fb 92160 -fm 10240
server no (network option) tuning:
sb_max=262144, somaxconn=8192, send_file_duration=18000, nbc_limit=720896, nbc_max_cache=720896,
tcp_sendspace=65536, tcp_recvspace=65536, tcp_timewait=5
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
processor affinity - each zeus process bound to unique CPU
client no (network option) tuning:
tcp_sendspace=65536, tcp_recvspace=65536, delayack=3, delayackports={80}
load generator description:
the actual load generators were
25 RS/6000 7043-240 (2 233MHz 604e), 2 RS/6000 7025-F40 (2 233MHz 604e)
7 43P-140 (1 332MHz 604e), 2 43P-150 (1 375MHz 604e cpu)
APAR IX83061 - AIX networking SMP scaling enhancements
```

For More Information contact

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