SPECweb96 Result

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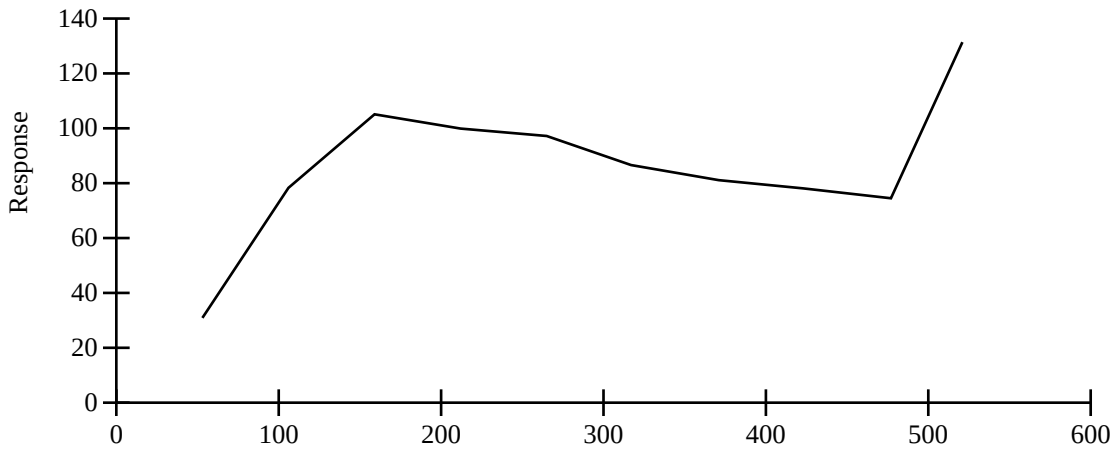
Bull S.A
Estrella Series 300

SPECweb96= 521

Test Date : Apr-97
Tested by : Bull Echirolles

Hardware Avail:	Feb-97	OS Avail:	Feb-97	HTTP Software Avail:	Jan-97	SPEC license #:	20

Throughput ops/sec	Response msec
53	30.9
106	78.3
159	105.1
212	99.9
265	97.2
317	86.6
371	81.1
423	78.1
477	74.5
521	131.4



Hardware

Model Name:	Estrella Series 300
Processor:	PowerPC 604e 200Mhz
# of Processors:	1
Primary Cache:	32KBI+32KBD on chip
Secondary Cache:	1MB
Other Cache:	None
Memory:	512 MB
Disk Subsystem:	one 2.1GB + two 4.2GB SCSI Disk Drives (7200 rpm)
Disk Controllers:	one SCSI-2 F/W
Other Hardware:	None

Software

Operating System:	AIX 4.1.4 + ptfs U445557 M000049
File System:	JFS
Other Software:	None

HTTP Software

Vendor:	Zeus Technology Ltd
HTTP Software:	Zeus server 1.1.7
# of "threads":	1
Server Cache:	-b 1048576 -l 250 -c 3600 -t 9000 -q
Log Mode:	Common Log Format

Network

# of Controllers:	1
Network Controllers:	FDDI Fiber Dual Ring Adapter (PCI)
# of Nets:	1
Type of Nets:	FDDI
Network Speed:	100 MBit
Time Wait (secs):	60 (Non RFC1122)

Load Generators

# of Load Generators:	2
# of Processes Each:	35
Model:	Estrella 740
Processor:	PowerPC 604e 166Mhz
# of CPUs:	2
Memory:	832 MB
OS:	AIX 4.1.5 + ptf U445087
Compiler:	CSet++ 3.1.1

Benchmark Configuration

Max Requested Load:	530
Max Fileset Size (MB):	502

Notes/Tuning Information

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communication device configuration:
       chdev -l fddi0 -a tx_queue_size=250

tcpip tuning  :
       no -o thewall=175000
       tcp_sendspace & tcp_recvspace=262144
       sb_max=524288, rfc1323=1, ipqmaxlen=50, somaxconn=250
tuning server platform :
disks : all drives are 16 Bit SCSI at 7200 rpm
io : value of max_coalesce= 0x20000 (128 Kbytes)
     chdev -l sys0 -a iostat=false
     value of queue_depth=3
tuning http process (values in server.ini) :
     NameServers=/etc/resolv.conf.s
     logging=clf
     logdir=/striped_fs/log #log files on striped logical volume
     http logs are on a striped logical volume based on 2 High Perf disks (7200 rpm)
launching http process :
     nice -n -30 zeus -b 1048576 -l 250 -c 3600 -t 9000 -q server.ini
sys : chdev -l sys0 -a maxuproc=100 -a maxmbuf=175000
```

For More Information contact

SPEC
10754 Ambassador Drive, Suite 201
Manassas, VA 22110

(703) 331-0180
info@specbench.org
http://www.specbench.org/