

SPECweb99 Result

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IBM: RS/6000 43P-260
Zeus Technology Ltd.: Zeus 3.1.8

SPECweb99 = 440
Test Date: Jul-1999
Tester: IBM

Hardware Avail: Oct-1998 OS Avail: Sep-1999 HTTP Software Avail: Dec-1998 Sup. Software Avail: -- SPEC license #: 11

Hardware

Vendor: IBM
Model: RS/6000 43P-260
Processor: 200 MHz POWER3
Processors: 2 cores, 2 chips, 1 core/chip
Primary Cache: 32KBI+64KBD on chip
Secondary Cache: 4 MB (I+D) off chip
Other Cache: None
Memory: 4 GB
Disk Subsystem: 3 x 9.1GB 16Bit SCSI Disk
Disk Controllers: Wide/Fast-20 SCSI I/O Controller
Other Hardware: Alteon ACESwitch 180

Software

Operating System: AIX 4.3.3
File System: JFS
Other Software: None

HTTP Software

Vendor: Zeus Technology Ltd.
HTTP Software: Zeus 3.1.8
API: Zeus ISAPI
Server Cache: N/A
Log Mode: Common Log Format

Test Sponsor

Test Date: Jul-1999
Tested By: IBM
SPEC License: 11

Network

of Controllers: 2
Network Controllers: Gigabit Ethernet-SX PCI Adapter
of Nets: 2
Type of Nets: Gigabit Ethernet
Network Speed: 1 Gigabit/sec
MSL (sec): 30 (Non RFC1122)
Time-Wait (sec): 60 (Non RFC1122)
MTU: 1500

Clients

of Clients: 2
Model: RS/6000 43P-260
Processor: 200 MHz POWER3
of Processors: 2
Memory: 1024MB
Network Controller: 1 x Gigabit Ethernet-SX PCI Adapter
Operating System: AIX 4.3.2
Compiler: IBM Cset++ Version 3.1.3

Notes/Tuning Information

SUT Notes

no (network option) tuning:
no -o send_file_duration=18000(cached send_file expiration time, default=300)
no -o sb_max=262144(max buffer size allowed for a socket, default=65536)
no -o somaxconn=8192(max listen backlog, default=1024)
no -o nbc_max_cache=131072(max file size for network buffer cache, default=1048576)
no -o nbc_pseg=20000(max file entries in private segment, default=0)
no -o tcp_timewait=5 (ensure that TIME_WAIT is at least 60 seconds, default=1)

Client Notes

no (network option) tuning:
no -o delayack=3 (delay ack for connection setup and shutdown, default=0)
no -o delayackports={80} (delay ack ports, default={ })

Other Notes

zeus 3.1.8 tuning:
bind_any=yes
cache_files=100001
cache_large_file=1048576
cache_small_file=1
cache_stat_expire=18000
keepalive=yes
listen_queue_size=8192
multiple_accept=yes
sendfile=yes

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Notes/Tuning Information (Continued)

Other Notes (Continued)

sendfile_maxsize=409600
sendfile_minsize=4096
sendfile_reservefd=13999
so_nagle_off=no
softservers=no
unique_bind=no
usr_poll=yes