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=180000(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