

SPECweb99 Result

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Hewlett-Packard Co.: HP Netserver LP 2000r
Zeus Technology Ltd: Zeus 3.3.8

SPECweb99 = 1450

Test Date: Mar-2001
Tester: Hewlett-Packard Company

Hardware Avail: Mar-2001 OS Avail: Dec-2000 HTTP Software Avail: Mar-2001 Sup. Software Avail: Feb-2001 SPEC license #: 3

Hardware

Vendor: Hewlett-Packard Co.
Model: HP Netserver LP 2000r
Processor: Intel Pentium III at 1Ghz
Processors: 2 cores, 2 chips, 1 core/chip
Primary Cache: 16KBI+16KBD on chip
Secondary Cache: 256KB on chip
Other Cache: none
Memory: 4 GB
Disk Subsystem: 6 18GB 15K Ultra3 SCSI
Disk Controllers: Integrated Ultra3 SCSI
Other Hardware: 1 Alteon ACEswitch 180

Software

Operating System: Red Hat 6.2 Linux
File System: ext2
Other Software: None

HTTP Software

Vendor: Zeus Technology Ltd
HTTP Software: Zeus 3.3.8
API: ISAPI
Server Cache: None
Log Mode: Binary Log Format

Test Sponsor

Test Date: Mar-2001
Tested By: Hewlett-Packard Company
SPEC License: 3

Network

of Controllers: 1
Network Controllers: Alteon AceNIC 1000SX
of Nets: 1
Type of Nets: Gigabit Ethernet
Network Speed: 1 Gb/s
MSL (sec): 30 (Non RFC1122)
Time-Wait (sec): 60 (Non RFC1122)
MTU: 1500

Clients

of Clients: 5
Model: HP Kayak XU
Processor: Intel Pentium II at 550MHz
of Processors: 2
Memory: 256MB
Network Controller: Alteon AceNIC 1000SX
Operating System: Microsoft Windows 2000 Pro
Compiler: Microsoft C++ Version 6

Notes/Tuning Information

Operating System Notes

Tuning parameters:
/proc/sys/fs/file-max = 128000
/proc/sys/net/core/rmem_max= 1048576
/proc/sys/net/core/wmem_max= 1048576
/proc/sys/net/core/rmem_default= 1048576
/proc/sys/net/ipv4/ip_local_port_range= 16384 65536
/proc/sys/net/core/wmem_default= 10485760
/proc/sys/net/ipv4/ip_forward= 0
/proc/sys/net/ipv4/tcp_timestamps= 0
/proc/sys/net/ipv4/tcp_sack= 0
/proc/sys/net/ipv4/tcp_window_scaling= 0
/proc/sys/net/ipv4/tcp_max_tw_buckets= 2000000
/proc/sys/vm/bdflush= 100 5000 640 2560 150 30000 5000 1884 2

HTTP API Notes

Zeus 3.3.8 Tuning
- tuning!cache_max_bytes 0
- tuning!cache_sendfile yes
- tuning!cache_files 192461
- tuning!cache_small_file 13000
- tuning!cache_large_file 1048576
- tuning!cache_stat_expire 86400
- tuning!cache_flush_interval 86400
- tuning!cache_cooling_time 0
- tuning!sendfile yes
- tuning!maxfds 16384

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Notes/Tuning Information (Continued)

HTTP API Notes (Continued)

- tuning!sendfile_minsize 5001
- tuning!listen_queue_size 8192
- tuning!so_wbuff_size 1048576
- tuning!modules!cgi!cleansize 0
- tuning!cbuff_size 65536
- tuning!softservers no
- tuning!use_poll yes
- tuning!num_children 4
- tuning!listen_queue_size 256

Hardware Notes

One 18GB 15KRPM disk for OS and paging, 1 18GB 15KRPM for log and 4 18GB 15KRPM OS striped for web pages.

Other Notes

none