

SPECweb99 Result

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Compaq Computer Corp.: Alphaserver ES40
Zeus Ltd: Zeus 3.3.7

SPECweb99 = 2304

Test Date: Oct-2000
Tester: Compaq

Hardware Avail: Dec-1999 OS Avail: Jan-2001 HTTP Software Avail: Sep-2000 Sup. Software Avail: Sep-2000 SPEC license #: 2

Hardware

Vendor: Compaq Computer Corp.
Model: Alphaserver ES40
Processor: 667 MHz 21264A
Processors: 4 cores, 4 chips, 1 core/chip
Primary Cache: 64KB(I)+64KB(D) on chip
Secondary Cache: 8MB off chip
Other Cache: none
Memory: 8 GB
Disk Subsystem: 6 x (COMPAQ BB00912301 9GB SCSI)
Disk Controllers: 2 x QLOGIC ISP1040B/V2 FW SCSI
Other Hardware: 2 x ALTEON ACEswitch 180 GbE Switch

Software

Operating System: Compaq Tru64 UNIX V5.1 + Patch kit 2
File System: UFS & AdvFS
Other Software: none

HTTP Software

Vendor: Zeus Ltd
HTTP Software: Zeus 3.3.7
API: ISAPI
Server Cache: none
Log Mode: Binary Log Format

Test Sponsor

Test Date: Oct-2000
Tested By: Compaq
SPEC License: 2

Network

of Controllers: 2
Network Controllers: 2 x DEGPA-SA
of Nets: 2
Type of Nets: Gigabit Ethernet
Network Speed: 1000Mbit
MSL (sec): 30 (Non RFC1122)
Time-Wait (sec): 60 (Non RFC1122)
MTU: 1500

Clients

of Clients: 12
Model: Digital Personal WorkStation 600au
Processor: 600MHz 21164
of Processors: 1
Memory: 1GB
Network Controller: DEGPA-SA
Operating System: Compaq Tru64 UNIX V4.0F
Compiler: DEC C V5.9-005

Notes/Tuning Information

SUT Notes

Operating System Notes

OS Tuning parameters:

```
vm:  
swapdevice=/dev/disk/dsk20c
```

```
vm_swap_eager = 0
```

```
proc:  
max_per_proc_address_space = 0x4000000000  
max_per_proc_data_size = 0x4000000000  
max_proc_per_user = 2048  
max_threads_per_user = 0  
per_proc_address_space = 0x4000000000  
per_proc_data_size = 0x4000000000
```

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Notes/Tuning Information (Continued)

Operating System Notes (Continued)

inet:
ipqmaxlen = 2000
ipqs = 12
tcblhashnum = 12
tcblhashsize = 4096
tcp_recvspace = 60000
tcp_sendspace = 60000

net:
netisrthreads=2
netisrwakeupthreshold = 96

socket:
somaxconn = 32765
sominconn = 32765
umc = 1

vfs:
name_cache_hash_size = 16384
namei_cache_valid_time = 8400

advfs:
AdvfsCacheHashSize = 32768
AdvfsCacheMaxPercent = 25

HTTP Software Notes

Zeus 3.3.7 Tuning
runningsites/<host>; bindaddr text 10.76.76.76,11.76.76.76
global.cfg:
tuning!bind_any yes
tuning!cache_files 192461
tuning!cache_flush_interval 86400
tuning!cache_large_file 819200
tuning!cache_max_bytes 0
tuning!cache_small_file 4096
tuning!cache_stat_expire 86400
tuning!num_children 6
tuning!so_wbuff_size 1048576
tuning!softservers no
tuning!unique_bind no
tuning!use_poll no
tuning!maxfds 65536
tuning!cache_cooling_time 0
tuning!cbuff_size 65536
tuning!cleansize 0

Hardware Notes

"Disk Configuration:
" disk1: OS (/usr) [Controller 1]
" disk2: URLroot (/www) [1]
" disk3: Swap [1]
" disk4 & 5: domain#file_set rw,noatimes (/www/file_set) [2]
" disk6: http logging (/log) [1]

Network Notes

Network Tuning: N/A

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Notes/Tuning Information (Continued)

Client Notes

max-proc-per-user = 0
proc:
maxusers = 1024
max-threads-per-user = 1024
socket:
sominconn = 32765
somaxconn = 32765
inet:
ipport_userreserved = 65000
tcp_recvspace = 60000