

SPECweb99 Result

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Hewlett-Packard Co.: HP Netserver LP 2000r
Chromium Communications Corp.: Chromium X15 WebServer 1.0

SPECweb99 = 2365
Test Date: May-2001
Tester: Hewlett-Packard Company

Hardware Avail: Jun-2001 | OS Avail: Dec-2000 | HTTP Software Avail: Aug-2001 | Sup. Software Avail: Aug-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: 2 Alteon ACEswitch 180

Software

Operating System: RedHat 6.2 Linux
File System: ext2
Other Software: None

HTTP Software

Vendor: Chromium Communications Corp.
HTTP Software: Chromium X15 WebServer 1.0
API: TUX API
Server Cache: None
Log Mode: Apache Quick Format

Test Sponsor

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

Network

of Controllers: 2
Network Controllers: Alteon AceNIC 1000SX
of Nets: 2
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: 14
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

SUT Notes

1 disk for OS
1 disk for Logs
4 disk software RAID0 for Data

Operating System Notes

```
net/ipv4/ip_forward = 0
net/ipv4/conf/all/rp_filter = 1
net/ipv4/tcp_timestamps = 1
net/ipv4/tcp_sack = 0
net/ipv4/tcp_window_scaling = 0
net/ipv4/tcp_max_tw_buckets = 2000000
net/ipv4/ip_local_port_range = 16384 65536
net/core/rmem_max = 10485760
net/core/wmem_max = 10485760
net/core/rmem_default = 10485760
net/core/wmem_default = 10485760
fs/file-max = 100000
Gigabit Tuning: tx_coal_tick=300, rx_coal_tick=300
```

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Notes/Tuning Information (Continued)

HTTP Software Notes

mmap_static module enabled
MaxKeepAliveRequests 0
MaxClients 1050
Cache On
SingleListen On

HTTP API Notes

Tux API from Compaq-20010122-DL320-API.tar.gz

Other Notes

One NIC IRQs bound to first processor
One NIC and Timer IRQs bound to second processor