SPECweb99 Result

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

SPECweb99 Result

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