Hewlett-Packard: HP NetServer LT6000
Microsoft: Internet Information Server 5.0

Test Date: May-2000
Tested By: Hewlett-Packard Company

SPECweb99 = 925

Hardware
Vendor: Hewlett-Packard
Model: HP NetServer LT6000
Processor: 550 MHz Pentium III Xeon
# Processors: 2 cores, 2 chips, 1 core/chip
Primary Cache: 16KB1+16KB on chip
Secondary Cache: 2MB on chip
Other Cache: None
Memory: 4 GB
Disk Subsystem: 1 CDR, 7 9GB 10K RPM
Disk Controllers: 1 Integrated HP Netraid
Other Hardware: None

Software
Operating System: Windows 2000 Advanced Server
File System: NTFS
Other Software: None

HTTP Software
Vendor: Microsoft
HTTP Software: Internet Information Server 5.0
API: ISAPI
Server Cache: See Notes
Log Mode: W3C Extended Log File

Notes/Tuning Information
SUT Notes
IIS settings: maximum performance.
IIS Virtual Directory specw99 points back to web server root, low application protection.
IIS Logging: W3C Extended logging, defaults plus bytes sent.

Operating System Notes
Tuning parameters:
TCP/IP Settings in registry:
- Tcpip/Parameters/MaxHashTableSize=0x10000, sets TCB hash table size to 8,192 entries, default is 512.
- Tcpip/Parameters/TcpTimedWaitDelay=0x3c, sets TIME_WAIT parameter to 60 seconds (non-RFC 1122), default is 240.
- Tcpip/Parameters/MaxFreeTwTcbs=400000, sets maximum number of TIME_WAIT tcbs to 400000.
- Tcpip/Parameters/MaxUserPort = 0xfffe, sets maximum open ports to 65534.
- Tcpip/Parameters/TcpWindowSize = 17520, sets TCP send/receive window size, default 8192.
- Tcpip/Parameters/NumTcbTablePartitions = 16, sets number of independent TCB table segments, default 4.
IIS Settings in Registry:
- Inetinfo/Parameters/ObjectCacheTTL=0xfffff, sets IIS object cache timeout in seconds, default 10 minutes.
- Inetinfo/Parameters/ListenBacklog=1000, default 25.
- Inetinfo/Parameters/AcceptExTimeout=1, sets time for accept ex socket to wait for receive, default 120.
- Inetinfo/Parameters/MaxPoolThreads=20, maximum network request threads per processor, default 10.
- Inetinfo/Parameters/LogFileFlushInterval=60, forces flush every 60 seconds, default 300.

Alteon NIC settings in registry:
- StatTicks=0, default 100000.
Operating System Notes (Continued)
- SendCoalTicks=10000, sets number of microsec before send buffers are returned to host, default 100000.
- RecvCoalTicks=10000, sets number of microsec before recv buffers are given to host, default 100000.
- RecvCoalMax=80, sets number of frames received before notifying host, default 20.
- RxFlowControl=0 (off), default 1.

HTTP API Notes
Microsoft ISAPI for IIS 5.0 compiled with VC++ 6.0, code optimization = Pentium Pro.

Hardware Notes
One 9GB 10KRPM disk for OS, one for paging, and 5 striped for web pages.