IBM Corp.: Netfinity 5100
Microsoft: IIS 5.0

Hardware
Vendor: IBM Corp.
Model: Netfinity 5100
Processor: 733MHz Pentium III
# Processors: 1 core, 1 chip, 1 core/chip
Primary Cache: 16KB+16KBD on chip
Secondary Cache: 256K on chip
Other Cache: None
Memory: 4GB
Disk Subsystem: 1 CDROM, 5 9.1 GB 10K RPM drives
Disk Controllers: 1 IDE, 1 SCSI
Other Hardware: 1 Network Adapter

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

HTTP Software
Vendor: Microsoft
HTTP Software: IIS 5.0
API: ISAPI
Server Cache: None
Log Mode: W3C Extended Log File Format

Test Sponsor
Test Date: Mar-2000
Tested By: IBM
SPEC License: 11

Network
# of Controllers: 1
Network Controllers: Alteon Gigabit
# of Nets: 1
Type of Nets: Gigabit Ethernet
Network Speed: 1000 M/bits
MSL (sec): 30 (Non RFC1122)
Time-Wait (sec): 60 (Non RFC1122)
MTU: 1500

Clients
# of Clients: 5
Model: IBM Z Pro
Processor: 450MHz Pentium II Xeons
# of Processors: 2
Memory: 256MB
Network Controller: Alteon
Operating System: "Microsoft Windows 2000 Professional
Compiler: Microsoft C++ Version 6

Notes/Tuning Information
SUT Notes
IIS settings: Maximum Performance
IIS Home Directory: Access for Read & Write, Scripts & Executables
IIS Virtual Directory sprc99 points back to web server root, low application protection
IIS Logging: W3C Extended logging, defaults plus bytes sent

Operating System Notes
Tuning Parameters:
- Tcpip/Parameters/MaxFreeTwTcbs=400000, sets maximum number of TIME_WAIT tcbs to 400,000
- Tcpip/Parameters/MaxHashTableSize=0x10000, sets TCB hash table size to 65,536 entries, default 512
- Tcpip/Parameters/MaxUserPorts=0xffff, sets maximum open ports to 65534
- Tcpip/Parameters/NumTcbTablePartitions=16, sets number of independent TCB table segments, default 4
- Tcpip/Parameters/TcpTimedWaitDelay=0x3c, sets TIME_WAIT parameter to 60 seconds (non-RFC 1122), default 240
- Tcpip/Parameters/TcpWindowSize=17520, sets TCP send/receive window size, default 8192
- Inetinfo/Parameters/AcceptExTimeout=1, sets time for accept ex socket to wait for receive, default 120
- Inetinfo/Parameters/ListBacklog=1000, default 25
- Inetinfo/Parameters/LogFileFlushInterval=60, forces flush every 60 seconds, default 300
- Inetinfo/Parameters/ObjectCacheTTL=0xffff, sets IIS object cache timeout, default 10 minutes
- Alteon NIC settings in registry:
  - IntCount=10000, default 1000. It is the total number of "loops" DPC would process for events like receives and transmits before yielding to the OS.
  - RecvCoalMax=80, sets number of frames received before notifying host, default 20
  - RecvCoalTicks=10000, sets number of microsec before recv buffers are given to host, default 1000
  - RxFlowControl=0 (off), default 1 (on)
  - SendCoalTicks=10000, sets number of microsec before send buffers are returned to host, default 1000
  - StatTicks=0, default 100000

HTTP API Notes
Microsoft ISAPI for IIS 5.0 compiled with VC++6.0 code optimization=Pentium Pro
Notes/Tuning Information (Continued)

Hardware Notes
1 9GB 10K RPM disk for OS & pagefiles, 4 9GB 10K RPM disks striped for web pages and logs