

# SPECweb99 Result

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Dell Computer Corporation: PowerEdge 2400/667  
Microsoft: Internet Information Server 5.0

SPECweb99 = 707  
Test Date: Dec-1999  
Tester: Dell

Hardware Avail: Dec-1999 OS Avail: Feb-2000 HTTP Software Avail: Feb-2000 Sup. Software Avail: -- SPEC license #: 55

## Hardware

Vendor: Dell Computer Corporation  
Model: PowerEdge 2400/667  
Processor: 667MHz Pentium III  
# Processors: 1 core, 1 chip, 1 core/chip  
Primary Cache: 16KBI+16KBD on chip  
Secondary Cache: 256KB(I+D) off chip  
Other Cache: --  
Memory: 2 GB  
Disk Subsystem: 5 9GB 10KRPM drives  
Disk Controllers: Adaptec 7890 LVD SCSI  
Other Hardware: 1 Alteon ACEswitch 180

## Software

Operating System: Windows 2000 Advanced Server  
File System: NTFS  
Other Software: --

## HTTP Software

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

## Test Sponsor

Test Date: Dec-1999  
Tested By: Dell  
SPEC License: 55

## Network

# of Controllers: 1  
Network Controllers: Alteon AceNIC PCI  
# of Nets: 1  
Type of Nets: Gigabit Ethernet  
Network Speed: 1Gb/s  
MSL (sec): 30 (Non RFC1122)  
Time-Wait (sec): 60 (Non RFC1122)  
MTU: 1500

## Clients

# of Clients: 5  
Model: Dell Precision 410  
Processor: 450MHz Pentium II  
# of Processors: 2  
Memory: 128MB  
Network Controller: Alteon AceNIC PCI  
Operating System: Windows 2000 Professional  
Compiler: Microsoft Visual C++ 6.0

## Notes/Tuning Information

### SUT Notes

IIS settings: maximum performance.  
IIS Home Directory: Access for Read & Write, Scripts & Executables.  
IIS Virtual Directory spec99 points back to web server root, low application protection.

### Operating System Notes

Tuning parameters:  
- Tcpip/Parameters/MaxHashTableSize=0x10000, sets TCB hash table size to 65,536 entries, default is 512.  
- Tcpip/Parameters/TcpTimedWaitDelay=0x3c, sets TIME\_WAIT parameter to 60 seconds (non-RFC 1122), default is 240.  
- Tcpip/Parameters/MaxFreeTwtcb=400000, sets maximum number of TIME\_WAIT tcbs to 400,000.  
- Tcpip/Parameters/MaxUserPort = 0xffff, sets maximum open ports to 65534.  
- Tcpip/Parameters/TcpWindowSize = 17520, sets TCP send/receive window size, default 8192.  
- NDIS/Parameters/ProcessorAffinityMask=0, forces processor that handled interrupt to also handle that DPC, default is any processor.  
- Inetinfo/Parameters/ObjectCacheTTL=0xfffff, sets IIS object cache timeout, default 10 minutes

### HTTP API Notes

ISAPI for IIS 5.0 compiled with VC++ 6.0.

### Hardware Notes

One 9GB 10KRPM disk for OS and pagefile, 4 9GB 10KRPM disks striped for web pages and logs.