# 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/MaxFreeTwTcbs=400000, sets maximum number of TIME_WAIT tcbs to 400,000.
- Tcpip/Parameters/MaxUserPort = 0xfffe, 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=0xffffff, 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.