# SPECweb96 Result

©Copyright 1996, Standards Performance Evaluation Corporation

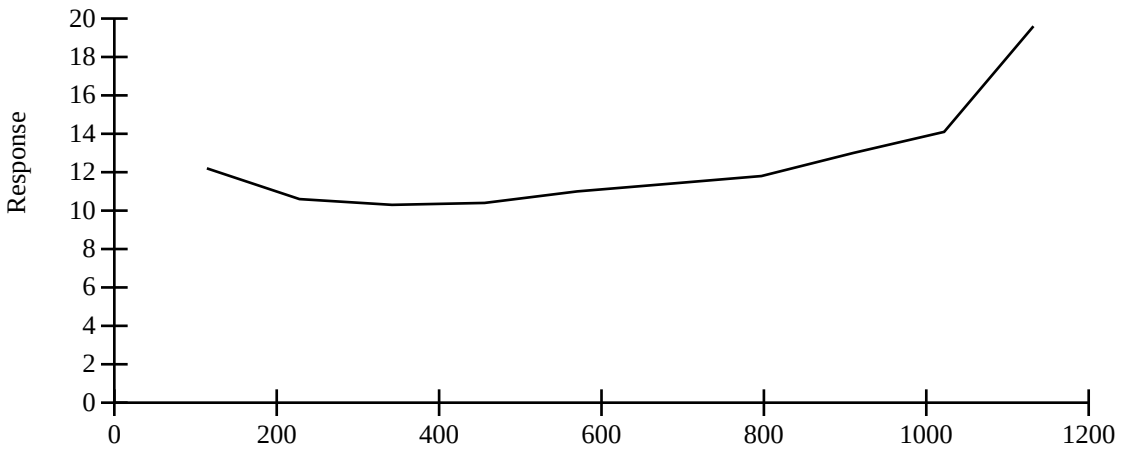
# NCR WorldMarkTM 4300 Server

SPECweb96= 1132

Test Date : Jun-97
Tested by : Mindcraft, Inc.

| Hardware Avail: | Aug-96 | OS Avail: | Aug-96 | HTTP Software Avail: | Dec-96 | SPEC license #: | 10 |
|---|---|---|---|---|---|---|---|

| Throughput ops/sec | Response msec |
|---|---|
| 114 | 12.2 |
| 228 | 10.6 |
| 342 | 10.3 |
| 456 | 10.4 |
| 570 | 11.0 |
| 684 | 11.4 |
| 797 | 11.8 |
| 910 | 13.0 |
| 1022 | 14.1 |
| 1132 | 19.6 |




## Hardware

| | |
|---|---|
| Model Name: | WorldMarkTM 4300 Server |
| Processor: | 200 MHz Pentium Pro |
| # of Processors: | 2 |
| Primary Cache: | 8 KB I + 8 KB D |
| Secondary Cache: | 512 KB (I+D) |
| Other Cache: | None |
| Memory: | 2GB |
| Disk Subsystem: | NCR 6255 external RAID |
| Disk Controllers: | NCR PCI Quad SCSI Controller |
| Other Hardware: | None |

## Software

| | |
|---|---|
| Operating System: | Windows NT Server 4.0 |
| File System: | NTFS |
| Other Software: | None |

## HTTP Software

| | |
|---|---|
| Vendor: | Netscape |
| HTTP Software: | Netscape Enterprise Server 2.01 |
| # of "threads": | 32 |
| Server Cache: | 1048576 |
| Log Mode: | standard |

## Network

| | |
|---|---|
| # of Controllers: | 4 |
| Network Controllers: | DEC DEFPA-UA FDDIcontroller/PCI Adapter |
| # of Nets: | 4 |
| Type of Nets: | FDDI over UTP |
| Network Speed: | 100 Mbps |
| Time Wait (secs): | 60 (Non RFC1122) |

## Load Generators

| | |
|---|---|
| # of Load Generators: | 7 |
| # of Processes Each: | 5 |
| Model: | HD Victoria |
| Processor: | 200 MHz Pentium Pro |
| # of CPUs: | 1 |
| Memory: | 64 MB EDO per HD Victoria |
| OS: | Windows NT Server 4.0 w/SP3 and post-SP3 hotfix tcpip |
| Compiler: | Microsoft Visual C++ 4.2 |

## Benchmark Configuration

| | |
|---|---|
| Max Requested Load: | 1140 |
| Max Fileset Size (MB): | 737 |

## Notes/Tuning Information

```
three nets at half duplex, each net with two clients chained via the DEFPA-MA FDDI controllers.
one client connected directly to the server on the fourth NIC.
BIOS Setting: PCI Line Prefetch=disable (default=enable)
BIOS Setting: Address Bit Permuting=enable (no default)
Added registry entry: Tcpip/Parameters/TcpTimedWaitDelay=60 (default=30)
Added registry entry: Tcpip/Parameters/MaxFreeTcbs=85000 (default=2000)
Added registry entry: Tcpip/Parameters/MaxHashTableSize=65536 (default=512)
Added registry entry: NDIS/Parameters/ProcessorAffinityMask=0 (default=#FFFFFFFF)
Netscape: maxprocs=1, maxthreads=2048, dns=off
Netscape: max-files=3000, cache-size=8192
Netscape: max-file=1048576, mmap-max=1048576
NT System Properties: Application Performance set to 'No Boost' (default=midway)
Five 4.3 GB Fast/Wide SCSI disks in an external RAID array
Two internal 4.3 GB Fast/Wide 7200 RPM disks on a separate controller
RAID Disk Array configured as RAID 0, 1 logical drive for benchmark data, 50%/50% read/write acceleration
One SCSI disk with D: partition for OS, one SCSI disk with E: partition for web server logging.
Service Pack 3 from May '97 installed
tcpip.sys patch from NT hot fix after Service Pack 3.
```

For More Information contact

SPEC
10754 Ambassador Drive, Suite 201
Manassas, VA 22110

(703) 331-0180
info@specbench.org
http://www.specbench.org/