# SPECweb96 Result

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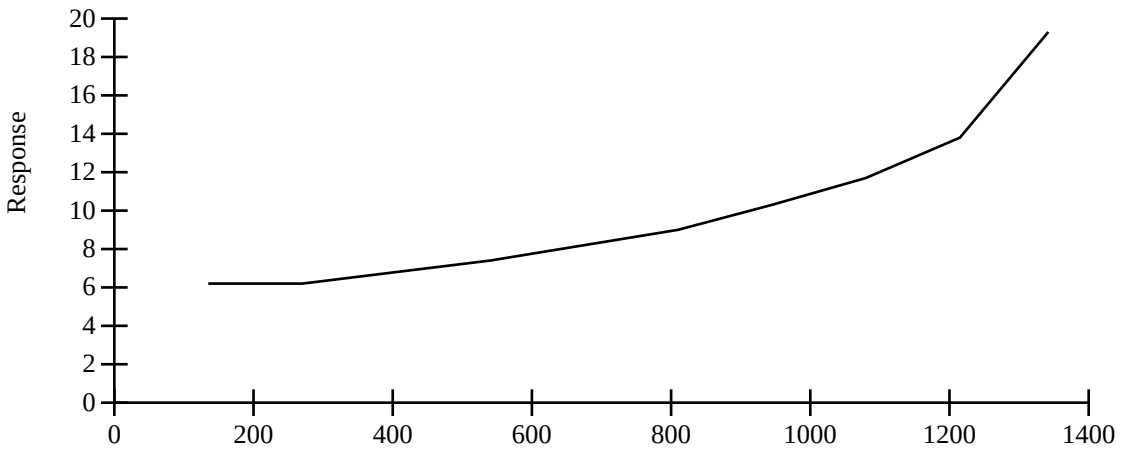
# Hewlett-Packard NetServer LH 3/400

SPECweb96= 1342

Test Date : Apr-98
Tested by : Hewlett Packard

| Hardware Avail: | Jul-98 | OS Avail: | Dec-97 | HTTP Software Avail: | Jul-98 | SPEC license #: | 3 |
|---|---|---|---|---|---|---|---|

| Throughput ops/sec | Response msec |
|---|---|
| 135 | 6.2 |
| 270 | 6.2 |
| 405 | 6.8 |
| 540 | 7.4 |
| 675 | 8.2 |
| 810 | 9.0 |
| 945 | 10.3 |
| 1080 | 11.7 |
| 1215 | 13.8 |
| 1342 | 19.3 |




## Hardware

| | |
|---|---|
| Model Name: | NetServer LH 3/400 |
| Processor: | 400Mhz Pentium-II |
| # of Processors: | 1 |
| Primary Cache: | 16KBI+16KBD on chip |
| Secondary Cache: | 512KB(I+D) on chip |
| Other Cache: | None |
| Memory: | 1.0 GB |
| Disk Subsystem: | 6 4GB 10K RPM Drive |
| Disk Controllers: | 2 Ultra-SCSI |
| Other Hardware: | None |

## Software

| | |
|---|---|
| Operating System: | NT 4.0 SP3 |
| File System: | NTFS |
| Other Software: | None |

## HTTP Software

| | |
|---|---|
| Vendor: | Microsoft |
| HTTP Software: | Internet Information Server 4.0 |
| # of "threads": | 1 |
| Server Cache: | See Notes |
| Log Mode: | Combined |

## Network

| | |
|---|---|
| # of Controllers: | 1 |
| Network Controllers: | FORE ForeRunner HE-622 |
| # of Nets: | 1 |
| Type of Nets: | ATM OC3/OC12 |
| Network Speed: | 155/622Mb/s |
| Time Wait (secs): | 60 (Non RFC1122) |

## Load Generators

| | |
|---|---|
| # of Load Generators: | 4 |
| # of Processes Each: | 2 |
| Model: | Hewlett-Packard Kayak XU |
| Processor: | 300MHz Pentium II |
| # of CPUs: | 2 |
| Memory: | 64MB |
| OS: | NT 4.0 Workstation SP3 |
| Compiler: | Visual C++ 5.0 |

## Benchmark Configuration

| | |
|---|---|
| Max Requested Load: | 1350 |
| Max Fileset Size (MB): | 805 |

## Notes/Tuning Information

```
The ATM OC3 cards in each client are each attached to a port on the ASX-200BX Fore switch
via UTP.   The ATM OC12 card in the SUT is attached to a port on the ASX-200BX Fore switch
via single-mode fiber.  client1 == prime.  MTU size = 9218 bytes.
Performance Boost for Foreground Application=NONE ---Do not raise the priority of the foreground application, default is halfway.
Disable IIS Windows NT Challenge/Response ---Disables IIS user information encryption, default is enabled.
Added Registry Entry InetInfo/Parameters/ObjectCacheTTL=0xea60 ---Keeps IIS open descriptors active at least 16.6 hours, default is 30 sec.
Added Registry Entry InetInfo/Parameters/MemoryCacheSize=0x300000 ---Sets the cache open descriptor table to 3MB, default is 4MB.
Added Registry Entry InetInfo/Parameters/ListenBacklog=0x19 ---Specifies maximum active connections to hold in server queue, default is 15.
Added Registry Entry Tcpip/Parameters/MaxFreeTcbs=0x1e848 ---Increases the TCB timewait table to 125000 entries, default is 2000.
Added Registry Entry Tcpip/Parameters/MaxHashTableSize=0x10000 ---Sets TCB hash table size to 65,536 entries, default is 512.
Added Registry Entry Tcpip/Parameters/TcpTimedWaitDelay=0x3c ---Sets TIME_WAIT parameter to 60 seconds (non-RFC 1122), default is 240.
One 4GB 7200RPM disk for OS and pagefile, 3 4GB 10KRPM disk for web pages and logs
Microsoft IIS 4.0 hotfixes applied.
12/97 TCP/IP & AFD Transport.
hotfix(ftp://ftp.microsoft.com/bussys/winnt/winnt-public/fixes/usa/NT40/hotfixes-postSP3/)
IIS 4.0 logfix 4/98 (ftp://ftp.microsoft.com/bussys/winnt/winnt-public/fixes/usa/NT40/hotfixes-postSP3/)
Microsoft IIS 4.0 hotfixes applied.
12/97 TCP/IP and AFD Transport.
hotfix(ftp://ftp.microsoft.com/bussys/winnt/winnt-public/fixes/usa/NT40/hotfixes-postSP3/)
IIS 4.0 logfix 4/98 (ftp://ftp.microsoft.com/bussys/winnt/winnt-public/fixes/usa/NT40/hotfixes-postSP3/)
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