

## BenchMarking result using httpperf

Testing screenshot for 500 requests. (Total time: 2 seconds)

```
XintongtekiMacBook-Air:hw1 yxt$ ./httpperf.sh
httpperf --client=0/1 --server=localhost --port=1234 --uri=/ --http-version=1.0 -
--send-buffer=4096 --recv-buffer=16384 --num-conns=500 --num-calls=1
httpperf: warning: open file limit > FD_SETSIZE; limiting max. # of open files to
FD_SETSIZE
Maximum connect burst length: 1

Total: connections 500 requests 500 replies 500 test-duration 1.856 s

Connection rate: 269.4 conn/s (3.7 ms/conn, <=1 concurrent connections)
Connection time [ms]: min 1.1 avg 3.7 max 11.5 median 3.5 stddev 1.2
Connection time [ms]: connect 0.1
Connection length [replies/conn]: 1.000

Request rate: 269.4 req/s (3.7 ms/req)
Request size [B]: 86.0

Reply rate [replies/s]: min 0.0 avg 0.0 max 0.0 stddev 0.0 (0 samples)
Reply time [ms]: response 0.5 transfer 3.0
Reply size [B]: header 90.0 content 921.0 footer 0.0 (total 1011.0)
Reply status: 1xx=0 2xx=500 3xx=0 4xx=0 5xx=0

CPU time [s]: user 0.28 system 1.53 (user 15.0% system 82.4% total 97.4%)
Net I/O: 288.7 KB/s (2.4*10^6 bps)

Errors: total 0 client-timo 0 socket-timo 0 connrefused 0 connreset 0
Errors: fd-unavail 0 addrunavail 0 ftab-full 0 other 0

Total running time: 2 seconds
```

Testing screenshot for 1,000 requests. (Total time: 3 seconds)

```
XintongtekiMacBook-Air:hw1 yxt$ ./httpperf.sh
httpperf --client=0/1 --server=localhost --port=1234 --uri=/ --http-version=1.0 -
--send-buffer=4096 --recv-buffer=16384 --num-conns=1000 --num-calls=1
httpperf: warning: open file limit > FD_SETSIZE; limiting max. # of open files to
FD_SETSIZE
Maximum connect burst length: 1

Total: connections 1000 requests 1000 replies 1000 test-duration 3.676 s

Connection rate: 272.0 conn/s (3.7 ms/conn, <=1 concurrent connections)
Connection time [ms]: min 1.3 avg 3.7 max 11.5 median 3.5 stddev 1.0
Connection time [ms]: connect 0.1
Connection length [replies/conn]: 1.000

Request rate: 272.0 req/s (3.7 ms/req)
Request size [B]: 86.0

Reply rate [replies/s]: min 0.0 avg 0.0 max 0.0 stddev 0.0 (0 samples)
Reply time [ms]: response 0.5 transfer 3.0
Reply size [B]: header 90.0 content 921.0 footer 0.0 (total 1011.0)
Reply status: 1xx=0 2xx=1000 3xx=0 4xx=0 5xx=0

CPU time [s]: user 0.55 system 3.05 (user 15.0% system 83.1% total 98.1%)
Net I/O: 291.5 KB/s (2.4*10^6 bps)

Errors: total 0 client-timo 0 socket-timo 0 connrefused 0 connreset 0
Errors: fd-unavail 0 addrunavail 0 ftab-full 0 other 0

Total running time: 3 seconds
```

Testing screenshot for 2,000 requests. (Total time: 7 seconds)

```
XintongtekiMacBook-Air:hw1 yxt$ ./httpperf.sh
httpperf --client=0/1 --server=localhost --port=1234 --uri=/ --http-version=1.0 -
--send-buffer=4096 --recv-buffer=16384 --num-conns=2000 --num-calls=1
httpperf: warning: open file limit > FD_SETSIZE; limiting max. # of open files to
FD_SETSIZE
Maximum connect burst length: 1

Total: connections 2000 requests 2000 replies 2000 test-duration 7.255 s

Connection rate: 275.7 conn/s (3.6 ms/conn, <=1 concurrent connections)
Connection time [ms]: min 1.2 avg 3.6 max 11.0 median 3.5 stddev 0.9
Connection time [ms]: connect 0.1
Connection length [replies/conn]: 1.000

Request rate: 275.7 req/s (3.6 ms/req)
Request size [B]: 86.0

Reply rate [replies/s]: min 275.6 avg 275.6 max 275.6 stddev 0.0 (1 samples)
Reply time [ms]: response 0.5 transfer 3.0
Reply size [B]: header 90.0 content 921.0 footer 0.0 (total 1011.0)
Reply status: 1xx=0 2xx=2000 3xx=0 4xx=0 5xx=0

CPU time [s]: user 1.09 system 6.01 (user 15.0% system 82.8% total 97.8%)
Net I/O: 295.5 KB/s (2.4*10^6 bps)

Errors: total 0 client-timo 0 socket-timo 0 connrefused 0 connreset 0
Errors: fd-unavail 0 addrunavail 0 ftab-full 0 other 0

Total running time: 7 seconds
```