

## PERFORMANCE TEST

### PEMROGRAMAN JARINGAN – C

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#### A. Screenshot Running Test

Server dijalankan

```
atika@DESKTOP-F8MMA51: /mnt/c/Users/ASUS/Documents/KULIYEAH/SEMESTER 6/Pro
gjar/PROGJAR_05111740000015/tugas7$ python3 server_thread_http.py
WARNING:root:Server sedang berjalan
```

#### 1. Running Test 1

Jumlah request : 10

Concurrency : 1,5,10

```
atika@DESKTOP-F8MMA51: /mnt/c/Users/ASUS/Documents/KULIYEAH/SEMESTER 6/Progjar/PROGJAR_05111
atika@DESKTOP-F8MMA51: /mnt/c/Users/ASUS/Documents/KULIYEAH/SEMESTER 6/Progjar/PROGJAR_05111
This is ApacheBench, Version 2.3 <$Revision: 1807734 $>
Copyright 1996 Adam Twiss, Zeus Technology Ltd, http://www.zeustech.net/
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Benchmarking 127.0.0.1 (be patient).....done

Server Software:      myserver/1.0
Server Hostname:      127.0.0.1
Server Port:          10001

Document Path:        /
Document Length:       24 bytes

Concurrency Level:     1
Time taken for tests:   0.256 seconds
Complete requests:      10
Failed requests:         0
Total transferred:      1360 bytes
HTML transferred:       240 bytes
Requests per second:    39.03 [#/sec] (mean)
Time per request:       25.620 [ms] (mean)
Time per request:       25.620 [ms] (mean, across all concurrent requests)
Transfer rate:          5.18 [Kbytes/sec] received

Connection Times (ms)
      min      mean[+/-sd] median   max
Connect:    0       0   0.1      0      1
Processing:  6      25  10.0     29     34
Waiting:    6      24   9.6     28     33
Total:       7      25  10.0     29     34

Percentage of the requests served within a certain time (ms)
 50%      29
 66%      30
 75%      30
 80%      33
 90%      34
 95%      34
 98%      34
 99%      34
100%      34 (longest request)
```

## 2. Running Test 2

Jumlah request : 50

Concurrency : 1,10,30,50

```
atika@DESKTOP-F8MMA51: /mnt/c/Users/ASUS/Documents/KULIYEAH/SEMESTER 6/Progjar/PROGJAR_051117
atika@DESKTOP-F8MMA51:/mnt/c/Users/ASUS/Documents/KULIYEAH/SEMESTER 6/Progja
This is ApacheBench, Version 2.3 <$Revision: 1807734 $>
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Benchmarking 127.0.0.1 (be patient).....done

Server Software:      myserver/1.0
Server Hostname:      127.0.0.1
Server Port:          10001

Document Path:        /
Document Length:      24 bytes

Concurrency Level:     1
Time taken for tests:  4.478 seconds
Complete requests:     50
Failed requests:        0
Total transferred:     6800 bytes
HTML transferred:      1200 bytes
Requests per second:   11.17 [#/sec] (mean)
Time per request:      89.552 [ms] (mean)
Time per request:      89.552 [ms] (mean, across all concurrent requests)
Transfer rate:          1.48 [Kbytes/sec] received

Connection Times (ms)
              min    mean[+/-sd] median   max
Connect:        0      0    0.2      0      1
Processing:    48     89   23.8     79    143
Waiting:       45     83   22.7     77    133
Total:         49     89   23.8     80    144

Percentage of the requests served within a certain time (ms)
 50%    80
 66%   102
 75%   109
 80%   116
 90%   122
 95%   133
 98%   144
 99%   144
100%   144 (longest request)
```

## 3. Running Test 3

Jumlah request : 100

Concurrency : 10,50,100

```

atika@DESKTOP-F8MMA51: /mnt/c/Users/ASUS/Documents/KULIYEAH/SEMESTER 6/Progjar/PROGJAR_0511174C
atika@DESKTOP-F8MMA51:/mnt/c/Users/ASUS/Documents/KULIYEAH/SEMESTER 6/Progjar/
This is ApacheBench, Version 2.3 <$Revision: 1807734 $>
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Licensed to The Apache Software Foundation, http://www.apache.org/

Benchmarking 127.0.0.1 (be patient).....done

Server Software:      myserver/1.0
Server Hostname:      127.0.0.1
Server Port:          10001

Document Path:        /
Document Length:      24 bytes

Concurrency Level:    1
Time taken for tests:  13.179 seconds
Complete requests:    100
Failed requests:       0
Total transferred:    13600 bytes
HTML transferred:     2400 bytes
Requests per second:  7.59 [#/sec] (mean)
Time per request:     131.794 [ms] (mean)
Time per request:     131.794 [ms] (mean, across all concurrent requests)
Transfer rate:        1.01 [Kbytes/sec] received

Connection Times (ms)
      min   mean[+/-sd] median   max
Connect:    0      0   0.2      0      2
Processing: 49    131  44.0    129    296
Waiting:    44    123  41.0    122    296
Total:      49    131  44.0    130    296

Percentage of the requests served within a certain time (ms)
 50%    130
 66%    146
 75%    153
 80%    159
 90%    192
 95%    215
 98%    238
 99%    296
100%    296 (longest request)

```

## B. Tabel Hasil Performance Test

No test	Concurren cy level	Time taken for test	Complete request	Failed reques t	Total transfe rred	Request per second	Time per request	Transfer rate
1.	1	0.256 seconds	10	0	1360 bytes	39.03 [#/sec]	25.620 [ms]	5.18 [Kbytes/sec]
2.	1	4.478 seconds	50	0	6800 bytes	11.17 [#/sec]	89.552 [ms]	1.48 [Kbytes/sec]
3.	1	13.179 seconds	100	0	13600 bytes	7.59 [#/sec]	131.794 [ms]	1.01 [Kbytes/sec]