

PERFORMANCE TEST



PEMROGRAMAN JARINGAN - B

Dosen:

Royyana Muslim Ijtihadie S.Kom, M.Kom., Ph.D

Asisten :

Aguel Satria Wijaya

Nama :

05111740000003

Karina Soraya Puspitasari

Departemen Teknik Infomatika

Fakultas Teknik Elektro dan Informatika Cerdas

Institut Teknologi Sepuluh Nopember (ITS)

Surabaya

2020

A. Parameter Test

Nomor	Jumlah request	Konkurensi
1	10	1,5,10
2	50	1,10,30,50
3	100	1,10,50,100

B. Hasil Performace Test

No test	Concurrency level	Time taken for test	Complete request	Failed request	Total transferred	Request per second	Time per request	Transfer rate
1	1	0.091 seconds	10	0	1360 bytes	109.65 [#/sec]	9.120 [ms]	14.56 [Kbytes/sec]
2	1	1.215 seconds	50	0	6800 bytes	41.14 [#/sec]	24.305 [ms]	5.46 [Kbytes/sec]
3	1	5.546 seconds	100	0	13600 bytes	18.03 [#/sec]	55.465 [ms]	2.39 [Kbytes/sec]

C. Capture Performance Test

1. Parameter Pertama

```
karinasoraya@DESKTOP-240H91J:~$ ab -n 10 -c 1,5,10 http://127.0.0.1:10001/
This is ApacheBench, Version 2.3 <$Revision: 1807734 $>
Copyright 1996 Adam Twiss, Zeus Technology Ltd, http://www.zeustech.net/
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:  0.091 seconds
Complete requests:    10
Failed requests:       0
Total transferred:    1360 bytes
HTML transferred:     240 bytes
Requests per second:  109.65 [#/sec] (mean)
Time per request:     9.120 [ms] (mean)
Time per request:     9.120 [ms] (mean, across all concurrent requests)
Transfer rate:        14.56 [Kbytes/sec] received

Connection Times (ms)
      min      mean[+/-sd] median   max
Connect:    0       0   0.1      0       0
Processing:  2       9   9.0      5      33
Waiting:    2       8   8.4      5      30
Total:      2       9   9.1      6      33

Percentage of the requests served within a certain time (ms)
 50%    6
 66%   10
 75%   11
 80%   12
 90%   33
 95%   33
 98%   33
 99%   33
100%   33 (longest request)
```

2. Parameter Kedua

```
karinasoraya@DESKTOP-240H91J: $ ab -n 50 -c 1,10,30,50 http://127.0.0.1:10001/
This is ApacheBench, Version 2.3 <$Revision: 1807734 $>
Copyright 1996 Adam Twiss, Zeus Technology Ltd, http://www.zeustech.net/
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:  1.215 seconds
Complete requests:    50
Failed requests:      0
Total transferred:    6800 bytes
HTML transferred:     1200 bytes
Requests per second:  41.14 [#/sec] (mean)
Time per request:     24.305 [ms] (mean)
Time per request:     24.305 [ms] (mean, across all concurrent requests)
Transfer rate:        5.46 [Kbytes/sec] received

Connection Times (ms)
              min    mean[+/-sd] median    max
Connect:        0      0   0.0      0      0
Processing:      3     24  33.2     15    222
Waiting:         3     21  33.3     12    221
Total:           4     24  33.3     15    222

Percentage of the requests served within a certain time (ms)
 50%    15
 66%    21
 75%    25
 80%    28
 90%    63
 95%    69
 98%   222
 99%   222
100%   222 (longest request)
```

3. Parameter Ketiga

```
karinasoraya@DESKTOP-240H91J: $ ab -n 100 -c 1,10,50,100 http://127.0.0.1:10001/
This is ApacheBench, Version 2.3 <$Revision: 1807734 $>
Copyright 1996 Adam Twiss, Zeus Technology Ltd, http://www.zeustech.net/
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:  5.546 seconds
Complete requests:    100
Failed requests:      0
Total transferred:    13600 bytes
HTML transferred:     2400 bytes
Requests per second:  18.03 [#/sec] (mean)
Time per request:     55.465 [ms] (mean)
Time per request:     55.465 [ms] (mean, across all concurrent requests)
Transfer rate:        2.39 [Kbytes/sec] received

Connection Times (ms)
              min    mean[+/-sd] median    max
Connect:        0      0   0.1      0      1
Processing:     10     55  43.6     44    340
Waiting:         9     49  40.5     40    333
Total:          10     55  43.6     44    340

Percentage of the requests served within a certain time (ms)
 50%    44
 66%    66
 75%    73
 80%    80
 90%   107
 95%   126
 98%   154
 99%   340
100%   340 (longest request)
```