

Performance Test Apache Benchmark

```
pootreth@yemimasutanto: ~  
File Edit View Search Terminal Help  
pootreth@yemimasutanto:~$ 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:      26 bytes  
  
Concurrency Level:    1  
Time taken for tests:  0.030 seconds  
Complete requests:    10  
Failed requests:      0  
Total transferred:    1620 bytes  
HTML transferred:     260 bytes  
Requests per second:  335.40 [#/sec] (mean)  
Time per request:      2.982 [ms] (mean)  
Time per request:      2.982 [ms] (mean, across all concurrent requests)  
Transfer rate:         53.06 [Kbytes/sec] received  
  
Connection Times (ms)  
      min      mean[+/-sd] median   max  
Connect:    0    0  0.1      0      0  
Processing:  1    3  2.4      2      7  
Waiting:    1    3  2.3      2      7  
Total:      1    3  2.4      2      7  
  
Percentage of the requests served within a certain time (ms)  
 50%    2  
 66%    3  
 75%    5  
 80%    6  
 90%    7  
 95%    7  
 98%    7  
 99%    7  
100%    7 (longest request)
```

```
pootreth@yemimasutanto: ~  
File Edit View Search Terminal Help  
pootreth@yemimasutanto:~$ ab -n 50 -c 1,10,30,50 http://127.0.0.1:10001/  
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:      26 bytes  
  
Concurrency Level:    1  
Time taken for tests:  0.034 seconds  
Complete requests:    50  
Failed requests:      0  
Total transferred:    8100 bytes  
HTML transferred:     1300 bytes  
Requests per second: 1453.78 [#/sec] (mean)  
Time per request:      0.688 [ms] (mean)  
Time per request:      0.688 [ms] (mean, across all concurrent requests)  
Transfer rate:         229.99 [Kbytes/sec] received  
  
Connection Times (ms)  
      min      mean[+/-sd] median   max  
Connect:    0    0  0.0      0      0  
Processing:  0    1  0.3      1      2  
Waiting:    0    1  0.3      1      2  
Total:      0    1  0.3      1      2  
  
Percentage of the requests served within a certain time (ms)  
 50%    1  
 66%    1  
 75%    1  
 80%    1  
 90%    1  
 95%    1  
 98%    2  
 99%    2  
100%    2 (longest request)
```

```
pootreth@yemimasutanto: ~  
File Edit View Search Terminal Help  
pootreth@yemimasutanto:~$ ab -n 100 -c 1,10,50,100 http://127.0.0.1:10001/  
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:      26 bytes  
  
Concurrency Level:    1  
Time taken for tests:  0.067 seconds  
Complete requests:    100  
Failed requests:      0  
Total transferred:    16200 bytes  
HTML transferred:     2600 bytes  
Requests per second: 1491.16 [#/sec] (mean)  
Time per request:      0.671 [ms] (mean)  
Time per request:      0.671 [ms] (mean, across all concurrent requests)  
Transfer rate:         235.91 [Kbytes/sec] received  
  
Connection Times (ms)  
      min      mean[+/-sd] median   max  
Connect:    0    0  0.0      0      0  
Processing:  0    1  0.2      1      3  
Waiting:    0    1  0.2      1      3  
Total:      0    1  0.2      1      3  
  
Percentage of the requests served within a certain time (ms)  
 50%    1  
 66%    1  
 75%    1  
 80%    1  
 90%    1  
 95%    1  
 98%    2  
 99%    3  
100%    3 (longest request)
```

Rangkuman dari screenshot hasil Performance Test di atas yaitu:

| No Test | Concurrency level | Time taken for test (s) | Complete request | Failed request | Total transferred (bytes) | Request per second (#/sec) | Time per request (ms) | Transfer rate (Kbytes/sec) |
|---------|-------------------|-------------------------|------------------|----------------|---------------------------|----------------------------|-----------------------|----------------------------|
| 1 | 1 | 0.011 | 10 | 0 | 1620 | 927.73 | 1.078 | 146.77 |
| 1 | 5 | 0.03 | 10 | 0 | 1620 | 327.98 | 15.245 | 51.89 |
| 1 | 10 | 0.007 | 10 | 0 | 1620 | 1450.33 | 6.895 | 229.45 |

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