Laporan Tugas 9



Pemrograman Jaringan B

Oleh : Rana Wijdan Naim

Departemen Teknik Informatika
Fakultas Teknologi Elektro dan Informatika Cerdas
Institut Teknologi Sepuluh Nopember (ITS)
Surabaya
2020

A. Parameter Test

Jumlah Request: 1000

Konkurensi: 1, 5, 10, 25, 50, 100, 200

B. Hasil Stress Test

1. Asynchronous Server

No.	Concurrency Level	Time Taken For Rest	Complete	Failed	Total Transferred	Request	Time	Transfer Rate
	Levei	(seconds)	Request	Request	Transferreu	per second	per request	Nate
						(#/sec)	(ms)	
1	1	5.988	1000	0	122000	166.99	5.988	19.90
2	5	4.251	1000	0	122000	235.25	4.251	28.03
3	10	4.385	1000	0	122000	228.07	4.385	27.17
4	25	4.462	1000	0	122000	224.11	4.462	26.70
5	50	3.867	1000	0	122000	258.59	3.867	30.81
6	75	4.532	1000	0	122000	339.870	4.532	26.29
7	100	4.027	1000	0	122000	248.34	4.027	29.59

2. Threaded Server

No.	Concurrency Level	Time Taken For Rest	Complete Request	Failed Request	Total Transferred	Request per	Time per	Transfer Rate
		(seconds)		•		second	request	
						(#/sec)	(ms)	
1	1	684.702	1000	0	122000	1.46	684.702	0.17
2	5	188.797	1000	0	122000	5.30	188.797	0.63
3	10	194.726	1000	0	122000	5.14	194.726	0.61
4	25	200.788	1000	0	122000	4.98	200.788	0.59
5	50	186.588	1000	0	122000	5.36	186.588	0.64
6	75	209.421	1000	0	122000	4.78	209.421	0.57
7	100	198.006	1000	0	122000	5.05	198.066	0.6

C. Kesimpulan

Berdasarkan hasil tes di atas, dapat dilihat bahwa asynchronous server dapat memproses lebih cepat dibandingkan Thread Server

D. Dokumentasi

a. Apache Benchmark Asynchronous 1000 request

```
PromiseMIJDAMMAIM-LAPTOP:/mst/d/l Rana/2020/1 Kulian/Progjar/Tugas/Tugas 9$ ab -n 1000 -c 1 http://127.0.0.1:45000/
This is ApacheBench, Version 2.3 cSRevision: 1807734 $>
Copyright 1905 Adam Taiks, Zeus Iechnology Ltd, http://www.zeustech.net/
Licensed to The Apache Software Foundation, http://www.apache.org/

Benchmarking 127.0.0.1 (be patient)
Completed 1808 requests
Completed 1808 requests
Completed 3808 requests
Completed 3808 requests
Completed 5808 requests
Completed 5808 requests
Completed 5808 requests
Completed 980 requests
Finished 18008 request
```

```
| This is ApacheBerch, Version 2.3 (Servision: 189734 Servision: 1
```

```
memsing#illowable* LaPUPD** person*/2* Rome/2020/1 Vullan/Program/Tugas/Tugas/Tugas 9$ ab -n 1000 -c 25 http://127.0.0.1:45000/
This is ApacheBench, Version 2.3 cSRevision: 1807734 $5

This is ApacheBench, Version 2.3 cSRevision: 1807734 $5

Benchmarking 127.0.0.1 (be patient)
Completed 100 requests
Completed 200 requests
Completed 200 requests
Completed 200 requests
Completed 300 requests
Completed 400 requests
Completed 600 requests
Completed 500 requests
Completed 1000 requests

Server Bottime

27.0.0.1

Server Bottime

127.0.0.1

Server Bottime

127.0.0.1

Server Bottime

128.0.0

Server Bottime

129.0.0.1

Server Bottime

120.0.0

S
```

b. Apache Benchmark Asynchronous 1000 request

```
| Section | Path | Section | Section
```

```
remainderTobushist LaPTOP:/mst/d/R Rana/2020/1 Kullah/Progjar/Tugas/Tugas 9$ sudo ab -n 1000 -c 10 -r -k -s 999999 http://lz7.0.0.1:46000/
This is ApacheBench, Version 2.3 cSRevision: 1007/24 5>
Copyright 1906 Adam Tules, Exew Sechnology Ltd. http://www.apache.org/
Licensed to The Apache Software Foundation, http://www.apache.org/
genchamking 127.0.0.1 (be patient)
Completed 100 requests
Completed 300 requests
Completed 300 requests
Completed 500 requests
```

```
numis@RIJDAMMAIN.LATOP:/mnt/d/R #ama/2020/1 Kullah/Proglar/lugas/Tugas 95 sudo ab -n 1000 -c 75 -r -k -s 999999 http://127.0.0.1:46000/
fluis is Appendence. Version 2.3 SERVIZION: 1807/24 55
fluis is Appendence. Version 2.3 SERVIZI
```

```
mmsiaght30AMARATH-LAPTOS; cnt/d/1 Rana/2020/1 kullsh/Proglsr/lugas/Tugas 9$ sudo ab -n 1000 -c 100 -r -k -s 999999 http://127.0.0.1:146000/
gsudo password for namals:
orany, try again.
This is ApacheBench, version 2.3 c$Revision: 1807734 $>
copyright 1906 Adan Nuisz, 2eus Technology (td, http://www.zeustech.net/
Licensed to The Apache Software Foundation, http://www.zeustech.net/
Licensed to The Apache Software Foundation, http://www.zeustech.net/
Completed 1000 requests
completed 1000 requests
completed 300 requests
completed 1000 requests

Server Nostname:

Server Nostname:

Server Nostname:

Server Nostname:

Server Nostname:

127.0.0.1

Server Nostname:

127.0.0.1

Server Nostname:

1000
Document Path:

/ bytes

Concurrancy Level:

100

Nostron Path:

/ bytes

Concurrancy Level:

100

Nostron Path:

100

Nostron Path:
```