Pemrograman Jaringan B Laporan Performance Test Tugas 9



Ditulis Oleh: Adnan Erlangga Raharja 05111740000100

Dosen:

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

DEPARTEMEN INFORMATIKA FAKULTAS TEKNOLOGI INFORMASI DAN KOMUNIKASI INSTITUT TEKNOLOGI SEPULUH NOPEMBER 2020

Dokumentasi Tugas 9

Tugas 9:

- 1. Pull update terakhir
- 2. Jalankan kedua model tersebut
 - a. Server_async_http.py di port 45000
 - b. Server_thread_http.py di port 46000
- 3. Ujicobalah dengan apache benchmark untuk 1000 request dan konkurensi yang bervariasi
- 4. Buatlah tabel untuk melaporkan hasilnya

Jawaban:

Tabel Hasil Benchmark Asynchronous Server.

No test	Concurrency level	Time taken for test [seconds]	Complete request	Failed request	Total transferred [bytes]	Request per second [#/sec]	Time per request [ms]	Transfer rate [Kbytes/sec]
1	1	1.606	1000	0	122000	622.49	1.606	74.16
2	5	0.731	1000	0	122000	1368.26	3.654	163.02
3	10	72.321	1000	0	122000	13.83	723.208	1.65
4	50	63.810	1000	0	122000	15.67	3190.521	1.87
5	100	64.813	1000	0	122000	15.43	6481.274	1.84
6	250	65.999	1000	0	122000	15.15	16499.863	1.81
7	500	66.286	1000	0	122000	14.96	33413.018	1.78
8	1000	70.832	1000	0	122000	14.12	70832.143	1.68

Screenshots:

Concurrency Level 10

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EMPLANDET FOR Windows

Completed 1800 requests

Completed 2800 requests

Completed 5800 requests
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Tabel Hasil Benchmark **Thread Server**.

No test	Concurrency level	Time taken for test [seconds]	Complete request	Failed request	Total transferred [bytes]	Request per second [#/sec]	Time per request [ms]	Transfer rate [Kbytes/sec]
1	1	147.975	1000	0	122000	6.76	147.975	0.81
2	5	260.660	1000	0	122000	3.84	1303.299	0.46
3	10	250.351	1000	0	122000	3.99	2503.509	0.48
4	50	263.431	1000	0	122000	3.80	13171.547	0.45
5	100	391.736	1000	0	122000	2.55	39173.610	0.30
6	250	253.066	1000	0	122000	3.95	63266.570	0.47
7	500	250.360	1000	0	122000	3.99	125179.848	0.48
8	1000	259.717	1000	0	122000	3.85	259716.878	0.46

Screenshots:

Concurrency Level 1

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| Description |
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### April 19 | April 1
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Kesimpulan

Dari hasil benchmark yang telah dilakukan diatas, bisa disimpulkan bahwa penggunaan asynchronous server lebih baik daripada thread server.