Laporan Tugas 10



Pemrograman Jaringan B

Oleh :

Rana Wijdan Naim

**Departemen Teknik Informatika**

**Fakultas Teknologi Elektro dan Informatika Cerdas**

**Institut Teknologi Sepuluh Nopember (ITS)**

**Surabaya**

**2020**

1. **List Tugas 10**
   * Pull update terbaru progjar 6
   * Jalankan async\_server.py pada port 9002, 9003, 9004, 9005 (lihat pada BackendList)
   * Jalankan file lb.py, jalankan di port 44444
   * Jalankan browser, akseslah <http://localhost:44444/page.html>
   * Lihatlah di log program, bahwa setiap request akan dilayani oleh backend yang bergantian
   * Lakukan performance test seperti pada tugas 9, bandingkan penggunaan load balancer dengan async\_server dengan server\_thread\_http pada folder progjar5
   * Buatlah tabel hasilnya

Tampilan pada page <http://localhost:44444/page.html>  
**A screenshot of a social media post

Description automatically generated**

Kedua foto tidak berhasil diload oleh server.

Dan di bawah ini dapat dilihat bahwa setiap request akan dilayani oleh backend yang bergantian  
  
A screen shot of a computer

Description automatically generated

1. **Parameter Test**Jumlah Request : 1000  
   Konkurensi : 1, 5, 10, 25, 50, 75, 100
2. **Hasil Performance Test**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **No.** | **Concurrency Level** | **Time Taken For Rest (seconds)** | **Complete Request** | **Failed Request** | **Total Transferred** | **Request per second (#/sec)** | **Time per request (ms)** | **Transfer Rate** |
| 1 |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |  |  |

* + Server Async dengan Load Balancer
  + Server Thread dengan Load Balancer

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **No.** | **Concurrency Level** | **Time Taken For Rest (seconds)** | **Complete Request** | **Failed Request** | **Total Transferred** | **Request per second (#/sec)** | **Time per request (ms)** | **Transfer Rate** |
| 1 |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |  |  |