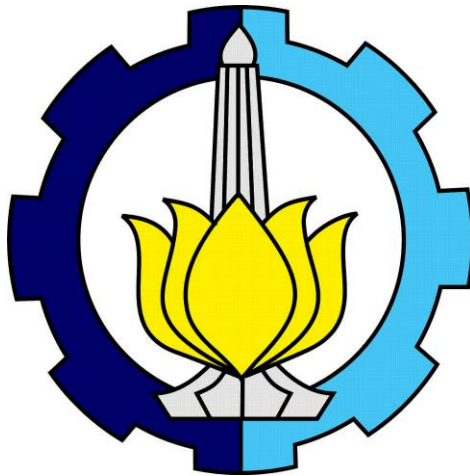


Dokumentasi Tugas Multi Thread



**Pemrograman Jaringan
Kelas E**

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Implementasi program server sesuai contoh.

Semua tugas berikut ini HARUS dijalankan di SIMULATOR

1. Jalankan program server seperti dalam pembahasan
2. Buatlah program client yang dapat melakukan 100 request get pada dalam satu saat untuk operasi get file "pokijan.jpg"
3. Capture dan submitlah poin 1 dan 2 dalam satu dokumen pdf. berikan DESKRIPSI dan PENJELASAN

Hasil :

1. Jalankan program server seperti dalam pembahasan
 - (1) Untuk menyiapkan 1 client dan 1 server maka perlu menggunakan 2 Alpine yaitu Alpine 1, dan Alpine 2.
 - (2) Alpine 1 berfungsi sebagai server, sedangkan Alpine 2 berfungsi sebagai client.
 - (3) Setelah melakukan telnet pada terminal, kemudian membuat folder work di dalam folder home di semua alpine.
 - (4) Lalu pada Alpine 1 membuat program file bernama file_server.py.
 - (5) Dan pada Alpine 2 membuat program file bernama file_client_cli.py, file_interface.py, dan file_protocol.py.
 - (6) Kemudian jalankan program file_server.py pada Alpine 1.
 - (7) Terakhir jalankan program file_interface.py, lalu file_protocol.py, dan selanjutnya run file_client_cli.py pada Alpine 2.

[illegible]

- (9) Terakhir jalankan program file_interface.py, lalu file_protocol.py, dan selanjutnya run file_client_cli.py pada Alpine 2.

```
/home/work/Pemrograman_Jaringan_E/progjar4a # python3 coba_multi_thread.py
mengirim 0
mengirim 1
mengirim 2
mengirim 3
mengirim 4
mengirim 5
mengirim 6
WARNING:root:connecting to ('192.168.122.68', 6666)
WARNING:root:sending message
WARNING:root:connecting to ('192.168.122.68', 6666)
WARNING:root:sending message
WARNING:root:connecting to ('192.168.122.68', 6666)
WARNING:root:sending message
WARNING:root:connecting to ('192.168.122.68', 6666)
WARNING:root:sending message
WARNING:root:connecting to ('192.168.122.68', 6666)
WARNING:root:sending message
mengirim 7
mengirim 8
mengirim 9
mengirim 10
mengirim 11
mengirim 12
mengirim 13
mengirim 14
WARNING:root:connecting to ('192.168.122.68', 6666)
WARNING:root:sending message
mengirim 15
WARNING:root:connecting to ('192.168.122.68', 6666)
mengirim 16
WARNING:root:sending message
WARNING:root:connecting to ('192.168.122.68', 6666)
WARNING:root:sending message
```

```
WARNING:root:connecting to ('192.168.122.68', 6666)
WARNING:root:sending message
WARNING:root:data received from server:
WARNING:root:data received from server:
mengirim 95
WARNING:root:connecting to ('192.168.122.68', 6666)
WARNING:root:sending message
WARNING:root:data received from server:
mengirim 96
WARNING:root:data received from server:
WARNING:root:data received from server:
WARNING:root:data received from server:
WARNING:root:connecting to ('192.168.122.68', 6666)
WARNING:root:sending message
WARNING:root:data received from server:
mengirim 97
WARNING:root:data received from server:
mengirim 98
WARNING:root:connecting to ('192.168.122.68', 6666)
WARNING:root:sending message
mengirim 99
WARNING:root:data received from server:
WARNING:root:connecting to ('192.168.122.68', 6666)
WARNING:root:sending message
WARNING:root:connecting to ('192.168.122.68', 6666)
WARNING:root:sending message
WARNING:root:connecting to ('192.168.122.68', 6666)
WARNING:root:sending message
WARNING:root:connecting to ('192.168.122.68', 6666)
WARNING:root:sending message
WARNING:root:data received from server:
WARNING:root:data received from server:
WARNING:root:data received from server:
WARNING:root:data received from server:
WARNING:root:data received from server:
WARNING:root:connecting to ('192.168.122.68', 6666)
WARNING:root:sending message
WARNING:root:data received from server:
Total waktu yang dibutuhkan adalah 0:00:04.864424 detik. Dari 2021-07-15 16:49:10.839114 sampai 2021-07-15 16:49:15.703538
/home/work/Pemrograman_Jaringan_E/progjar4a #
```