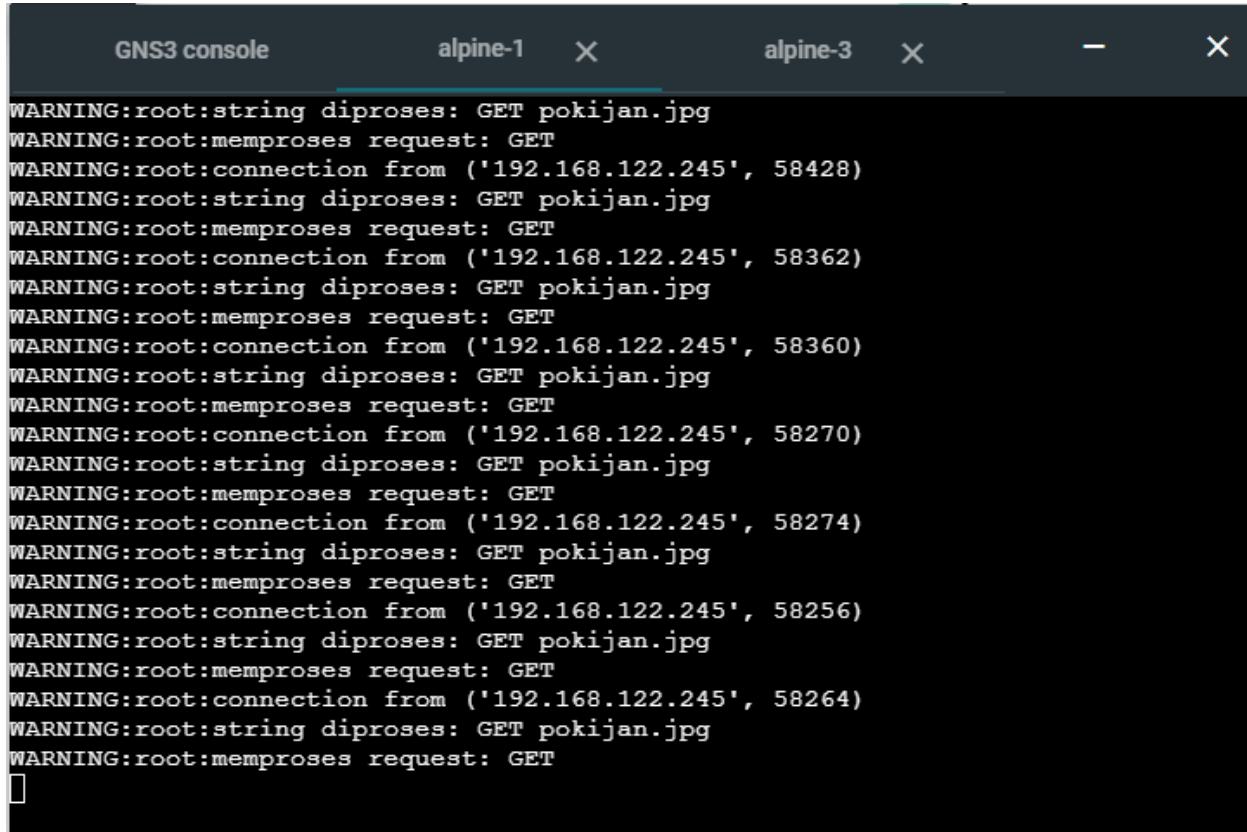


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# Tugas 4 : Multithreaded Server

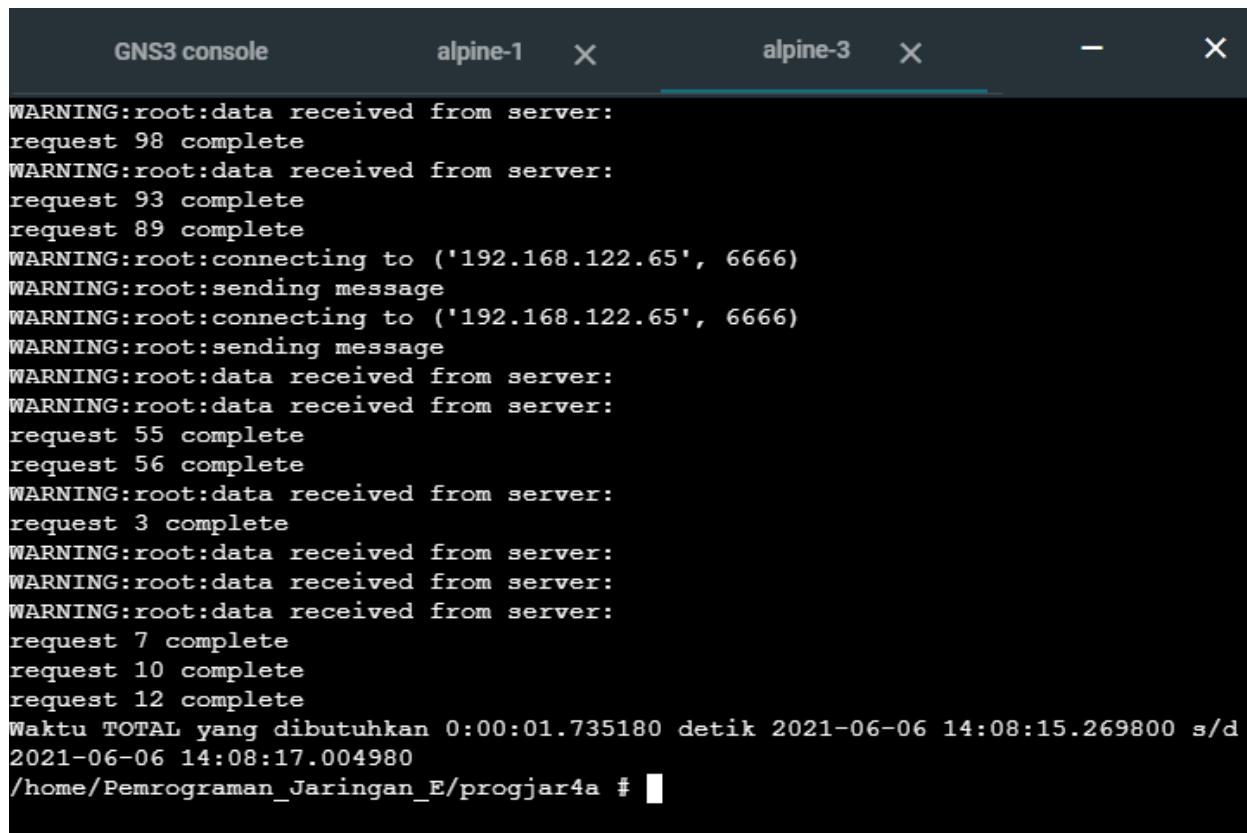
## Hasil run

### Server



```
GNS3 console          alpine-1   X          alpine-3   X          -          X
WARNING:root:string diproses: GET pokijan.jpg
WARNING:root:memproses request: GET
WARNING:root:connection from ('192.168.122.245', 58428)
WARNING:root:string diproses: GET pokijan.jpg
WARNING:root:memproses request: GET
WARNING:root:connection from ('192.168.122.245', 58362)
WARNING:root:string diproses: GET pokijan.jpg
WARNING:root:memproses request: GET
WARNING:root:connection from ('192.168.122.245', 58360)
WARNING:root:string diproses: GET pokijan.jpg
WARNING:root:memproses request: GET
WARNING:root:connection from ('192.168.122.245', 58270)
WARNING:root:string diproses: GET pokijan.jpg
WARNING:root:memproses request: GET
WARNING:root:connection from ('192.168.122.245', 58274)
WARNING:root:string diproses: GET pokijan.jpg
WARNING:root:memproses request: GET
WARNING:root:connection from ('192.168.122.245', 58256)
WARNING:root:string diproses: GET pokijan.jpg
WARNING:root:memproses request: GET
WARNING:root:connection from ('192.168.122.245', 58264)
WARNING:root:string diproses: GET pokijan.jpg
WARNING:root:memproses request: GET
```

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Client



```
GNS3 console      alpine-1      alpine-3      -      X

WARNING:root:data received from server:
request 98 complete
WARNING:root:data received from server:
request 93 complete
request 89 complete
WARNING:root:connecting to ('192.168.122.65', 6666)
WARNING:root:sending message
WARNING:root:connecting to ('192.168.122.65', 6666)
WARNING:root:sending message
WARNING:root:data received from server:
WARNING:root:data received from server:
request 55 complete
request 56 complete
WARNING:root:data received from server:
request 3 complete
WARNING:root:data received from server:
WARNING:root:data received from server:
WARNING:root:data received from server:
request 7 complete
request 10 complete
request 12 complete
Waktu TOTAL yang dibutuhkan 0:00:01.735180 detik 2021-06-06 14:08:15.269800 s/d
2021-06-06 14:08:17.004980
/home/Pemrograman_Jaringan_E/progjar4a #
```

## Penjelasan

Setelah membuat implementasi 100 request pokijan.jpg menggunakan threading didapatkan dua program tersebut. Dapat dilihat performa server cukup cepat untuk 100 request, dapat dieksekusi dalam 100 detik. Ini dikarenakan multi thread yang ada di server juga, sehingga setiap request akan di handle dalam server sendiri yang memungkinkan beberapa request di kerjakan selama bersamaan.