PCD HomeWork1

Raport

Cehan Dan Stefan ISS1

Commands

- **Client**
  - *pyhton3 client.py PROTOCOL METHOD MSGSIZE*
- **Server**
  - python3 server.py *PROTOCOL METHOD MSGSIZE*

- PROTOCOL   =   **UDP** | **TCP**
- METHOD   =   **STREAM** | **STOP**
- MSGSIZE   =   **1...65535**

Notifications

- **Each client will send 10 generated files (sizes between 5mb and 100mb)**
- At the end of execution, the client will print: transmission time, number of sent messages,number of bytes sent.
- After each server session, the server will print: used protocol, number of
- messages read,number of bytes reads

STATICTIS

TCP STREAM 2048

Client1: Total time = 1.623837 ,total messages = 299520 total bytes = 613416960
Client2: Total time = 1.624654 ,total messages = 309760 total bytes = 634388480
Server: Protocol used: TCP, total messages received : 609283, total bytes received:
1247805440

TCP STREAM 8192

Client1: Total time = 0.771814 ,total messages = 71296 total bytes = 584056832
Clinet2: Total time = 0.640106 ,total messages = 59520 total bytes = 487587840
Server: Protocol used: TCP, total messages received : 131344, total bytes received:
1071644672

TCP STOP 2048

Client1: Total time = 13.817788 ,total messages = 244224 total bytes = 500170752
Clinet2: Total time = 18.703493 ,total messages = 323072 total bytes = 661651456
Server: Protocol used: TCP, total messages received : 567296, total bytes received:
1161822208

TCP STOP 8192

Client1: Total time = 5.005350 ,total messages = 78336 total bytes = 641728512
Client2: Total time = 4.303071 ,total messages = 66176 total bytes = 542113792
Server: Protocol used: TCP, total messages received : 144512, total bytes received:
1183842304

UDP STREAM 2048

Client1: Total time = 2.650437 ,total messages = 318681 total bytes = 667942912
Client2: Total time = 2.744128 ,total messages = 310676 total bytes = 651165696
Server: Protocol used: UDP, total messages received : 44308, total bytes received:
92866113

UDP STREAM 8192

Clinet1: Total time = 1.250064 ,total messages = 88576 total bytes = 725614592
Client2: Total time = 0.957849 ,total messages = 59904 total bytes = 490733568
Server: Protocol used: UDP, total messages received : 11417, total bytes received:
93527505

UDP STOP 2048

Client1: Total time = 51.951235 ,total messages = 337408 total bytes = 691011584
Client2: Total time = 52.047728 ,total messages = 340992 total bytes = 698351616
Server: Protocol used: UDP, total messages received : 678400, total bytes received:
1389330741

UDP STOP 8192

Client1: Total time = 10.043650 ,total messages = 61952 total bytes = 507510784
Client2: Total time = 9.077884 ,total messages = 57856 total bytes = 473956352
Server: Protocol used: UDP, total messages received : 119808, total bytes received:
981461449