

Project 1 - Part 2

Team:

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Python Source Code Files:

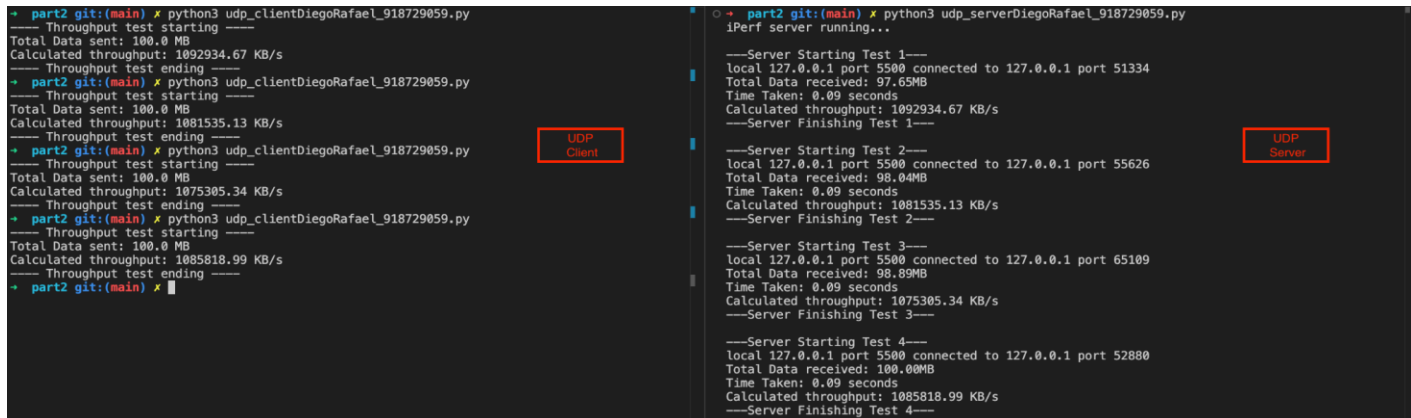
- udp_clientDiegoRafael_918729059_Arn timerSuden_918550383.py
- udp_serverDiegoRafael_918729059_Arn timerSuden_918550383.py
- chatgpt_udp_client.py
- chatgpt_udp_server.py

Chatgpt Chat URL:

- <https://chatgpt.com/c/6729b4fb-4a40-800c-a7e9-e9e19ed0922b>

Part 2 (screenshot of output):

- Our implementation output (No refinements using ChatGPT):



```
+ part2 git:(main) x python3 udp_clientDiegoRafael_918729059.py
--- Throughput test starting ---
Total Data sent: 100.0 MB
Calculated throughput: 1092934.67 KB/s
--- Throughput test ending ---
+ part2 git:(main) x python3 udp_clientDiegoRafael_918729059.py
--- Throughput test starting ---
Total Data sent: 100.0 MB
Calculated throughput: 1081535.13 KB/s
--- Throughput test ending ---
+ part2 git:(main) x python3 udp_clientDiegoRafael_918729059.py
--- Throughput test starting ---
Total Data sent: 100.0 MB
Calculated throughput: 1075305.34 KB/s
--- Throughput test ending ---
+ part2 git:(main) x python3 udp_clientDiegoRafael_918729059.py
--- Throughput test starting ---
Total Data sent: 100.0 MB
Calculated throughput: 1085818.99 KB/s
--- Throughput test ending ---
+ part2 git:(main) x

o+ part2 git:(main) x python3 udp_serverDiegoRafael_918729059.py
iPerf server running...

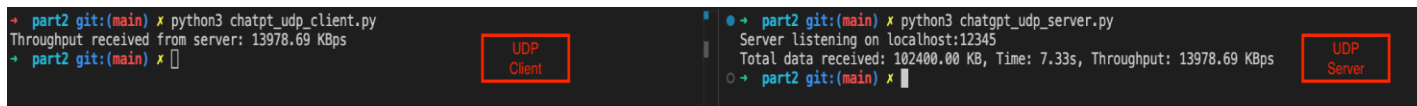
---Server Starting Test 1---
local 127.0.0.1 port 5500 connected to 127.0.0.1 port 51334
Total Data received: 97.65MB
Time Taken: 0.09 seconds
Calculated throughput: 1092934.67 KB/s
---Server Finishing Test 1---

---Server Starting Test 2---
local 127.0.0.1 port 5500 connected to 127.0.0.1 port 55626
Total Data received: 98.04MB
Time Taken: 0.09 seconds
Calculated throughput: 1081535.13 KB/s
---Server Finishing Test 2---

---Server Starting Test 3---
local 127.0.0.1 port 5500 connected to 127.0.0.1 port 65109
Total Data received: 98.89MB
Time Taken: 0.09 seconds
Calculated throughput: 1075305.34 KB/s
---Server Finishing Test 3---

---Server Starting Test 4---
local 127.0.0.1 port 5500 connected to 127.0.0.1 port 52880
Total Data received: 100.00MB
Time Taken: 0.09 seconds
Calculated throughput: 1085818.99 KB/s
---Server Finishing Test 4---
```

- ChatGPTs implementation output:



```
+ part2 git:(main) x python3 chatpt_udp_client.py
Throughput received from server: 13978.69 KBps
+ part2 git:(main) x

o+ part2 git:(main) x python3 chatgpt_udp_server.py
Server listening on localhost:12345
Total data received: 102400.00 KB, Time: 7.33s, Throughput: 13978.69 KBps
o+ part2 git:(main) x
```