

CIS 3210 - Assignment 1 Report

Name: Kyle Lukaszek

Student ID: 1113798

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Environment 1 - LocalHost (Home PC)

Ping Test (20 Pings)

Use the ping command in the command line to ping localhost 20 times.

- Round Trip Min: 0.010 ms
- Round Trip Avg: 0.016 ms
- Round Trip Max: 0.019 ms
- Round Trip Std Dev: 0.002 ms
- Packet Loss: 0%

Transfer Time in Milliseconds (20 Transfers, wonderland.txt, 4096 byte buffer)

Go to the bin directory in the assignment 1 folder.

Results are from "python environment_test.py wonderland.txt 127.0.0.1:50410 20"

- Min Time: 5.0 ms
- Max Time: 13.0 ms
- Average Time: 11.85 ms

Transfer Rates in Kilobytes/Sec (20 Transfers, wonderland.txt, 4096 byte buffer)

Go to the bin directory in the assignment 1 folder.

Results are from "python environment_test.py wonderland.txt 127.0.0.1:50410 20"

- Min throughput: 12292.0 KB/s
- Max throughput: 28310.0 KB/s
- Average throughput: 13926.35 KB/s

Environment 2 - linux-02.socs.uoguelph.ca → linux-01.socs.uoguelph.ca

Ensure that the server is running on linux-01.socs.uoguelph.ca by running the following command in the bin directory of the assignment 1 folder: `./server 50410`

Ping Test (20 Pings)

SSH into linux-02.socs.uoguelph.ca and use the ping command in the command line to ping linux-01.socs.uoguelph.ca 20 times.

- Round Trip Min: 0.394 ms
- Round Trip Avg: 0.649 ms
- Round Trip Max: 0.876 ms
- Round Trip Std Dev: 0.093 ms
- Packet Loss: 0%

Transfer Time in Milliseconds (20 Transfers, wonderland.txt, 4096 byte buffer)

SSH into linux-02.socs.uoguelph.ca and go to the bin directory in the assignment 1 folder.

Results are from `"python environment_test.py wonderland.txt linux-01.socs.uoguelph.ca:50410 20"`

- Min Time: 34.0 ms
- Max Time: 88.0ms
- Average Time: 46.1 ms

Transfer Rates in Kilobytes/Sec (20 Transfers, wonderland.txt, 4096 byte buffer)

SSH into linux-02.socs.uoguelph.ca and go to the bin directory in the assignment 1 folder.

Results are from `"python environment_test.py wonderland.txt linux-01.socs.uoguelph.ca:50410 20"`

- Min throughput: 1874.0 KB/s
- Max throughput: 4772.0 KB/s
- Average throughput: 3690.75 KB/s