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Undergraduate Student

ICSI 416/516 Project 1 Report

Due 11/3/2021

1) How did you process the Wireshark traces to calculate the above metrics? Did you use a program, or did you do it manually?

ANSWER HERE

2) Tables for Delay and Throughput of File1.txt, File2.txt, File3.txt and File4.txt.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Delay** | **File 1 (~16KB)** | **File 2 (~32KB)** | **File 3 (~48KB)** | **File 4 (~62KB)** |
| TCP (sec) |  |  |  |  |
| UDP (sec) |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Throughput** | **File 1 (~16KB)** | **File 2 (~32KB)** | **File 3 (~48KB)** | **File 4 (~62KB)** |
| TCP (bps) |  |  |  |  |
| UDP (bps) |  |  |  |  |

3) Description of Trends in my results with a justification of these trends

ANSWER HERE

4) Screenshots of PCAP Wireshark File Analysis

SCREENSHOTS HERE

Commands to put files in VM

scp server\_tcp.py [dn948446@icsi416-fa21.its.albany.edu:~](mailto:dn948446@icsi416-fa21.its.albany.edu:~)

scp server\_udp.py [dn948446@icsi416-fa21.its.albany.edu:~](mailto:dn948446@icsi416-fa21.its.albany.edu:~)

scp File1.txt [dn948446@icsi416-fa21.its.albany.edu:~](mailto:dn948446@icsi416-fa21.its.albany.edu:~)

scp File2.txt [dn948446@icsi416-fa21.its.albany.edu:~](mailto:dn948446@icsi416-fa21.its.albany.edu:~)

scp File3.txt [dn948446@icsi416-fa21.its.albany.edu:~](mailto:dn948446@icsi416-fa21.its.albany.edu:~)

scp File4.txt [dn948446@icsi416-fa21.its.albany.edu:~](mailto:dn948446@icsi416-fa21.its.albany.edu:~)