**CSCI 367 - Computer Networks I**

TCP/IP Sockets – TCP – Ethernet MTU

TCP stream data is partitioned into segments to allow the segments to fit into the Ethernet frame payload, which is based on the Ethernet MTU.

NOTE: Testing on the Loopback adapter is difficult, because the Loopback adapter’s Ethernet interface may have a very large MTU, as seen in the Linux terminal screen capture below. The best way to view the TCP segments is to run the client and server on separate host computers.

**References**

<https://becomethesolution.com/how-to-change-and-check-windows-mtu-size>

<https://linuxhint.com/how-to-change-mtu-size-in-linux/>

**Windows: Viewing Interface MTU**

netsh interface ipv4 show subinterfaces

Text

Description automatically generated

**Linux: Viewing Interface MTU**

<https://linuxhint.com/how-to-change-mtu-size-in-linux/>

<https://www.howtouselinux.com/post/check-mtu-size-in-linux>

Text

Description automatically generated

Change MUT: ifconfig lo mtu 1500

Text

Description automatically generated

**Source Code Listing**

See 09\_TCP\_Segments\_Ethernet\_MTU.

**Compilation**

gcc -g -I../../Libraries -o Program \*.c ../../Libraries/Utilities.c