ssh zma4@cs.wpi.edu
ssh mlcneta.cs.wpi.edu
sudo -s
sysctl net.ipv4.tcp_congestion_control
echo "cubic" >
/proc/sys/net/ipv4/tcp_congestion_control
ip route show
curl
tcpdump -i any -c 5
ssh glomma
screen
control a d -> detached
screen -ls (still running at the back ground)
<ctrl+a> d
iperf3 -s
do screen before run iperf3
screen -x
splitting terminal: tumax
iperf3 -s
iperf3 -c glomma.cs.wpi.edu
cat /etc/hosts.allow
cat /etc/sudoers.d add our usernames&PWD
scp pcap
tshark tcap -> csv

Remote SSH
GitHub/Satellite/Experiments/ThroughputTrails
change cleanup/start_iperf part

sudo tcptraceroute google.com

trace on both glomma & server
downstream traffic
from mlca to client
run iperf3 on mlca -r
tshark -r pcap mb/s
0.0101 1405, group parameter as 5ms
ssh -key to login without password

logout/exit
sudo both

iperf3 mlcnetA
iperf
tcpdump -i ens2
ifconfig
iperf3 mlcneta -r
-r(reverse)
tcptrace pcap
tshark

make a graph
x-axis: time
y-axis: MB/s (0-150)

Then
scp for 1GB

mosh mlcneta
mosh glomma
scp -p zma4@mlcneta.cs.wpi.edu
>20 secs of slow start
TCP flow control???
Large congestion window for future trials
Sudo sysctl -w net.ipv4.tcp_mem= ‘600000 600000 600000’
net.ipv4.tcp_mem rmem wmem
MB/s >24
Script for running 1 trial to set proxy on/off for trace
Script for rerunning the above script for 5+ times
Script cross 4 servers
(Timestamp on pcap)

Throughput over time graph
UDP Ping?
250ms

Loops order:
Iteration
Protocol
Proxy

Steady state
Overall