

# Scapy Assignment

## Installing Scapy


```
sudo pip install scapy
sudo apt-get install scapy
```

## Sending a TCP Packet

```
>> sudo scapy
>> x=IP(ttl=64)      # ttl = time-to-leave: 64 milliseconds to ensure packets don't roam or get stuck
>> x.src="172.20.10.1"  # Source IP Address, can be anything on local network even router !
>> x.dst="172.20.10.4"  # Destination IP Address, must be on local network
>> x=x/TCP(dport = xx)/" message body "  #Specify messaguig protocol (TCP/ICMP/UDP), destination port number and message to be transmitted
>> send(x)
```

Be sure to turn off firewall on machine to receive messages.

Turn on Wireshark and filter with source IP

 ip.src == 172.20.10.1

send message and check !