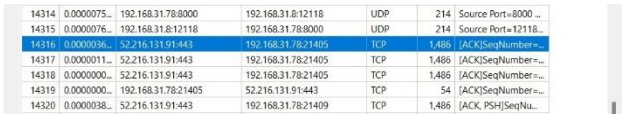
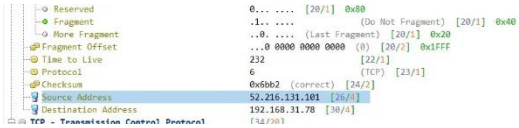
Cyber Security Essentials
Lab 6 – Packet builder, IP Spoofing and DOS/DDOS attacks

Task 1: Analyse pcap/pcapng file

Import pcap/pcapng file provided as part of lab 5 using Colasoft packet builder tool and show how to spoof IP address.

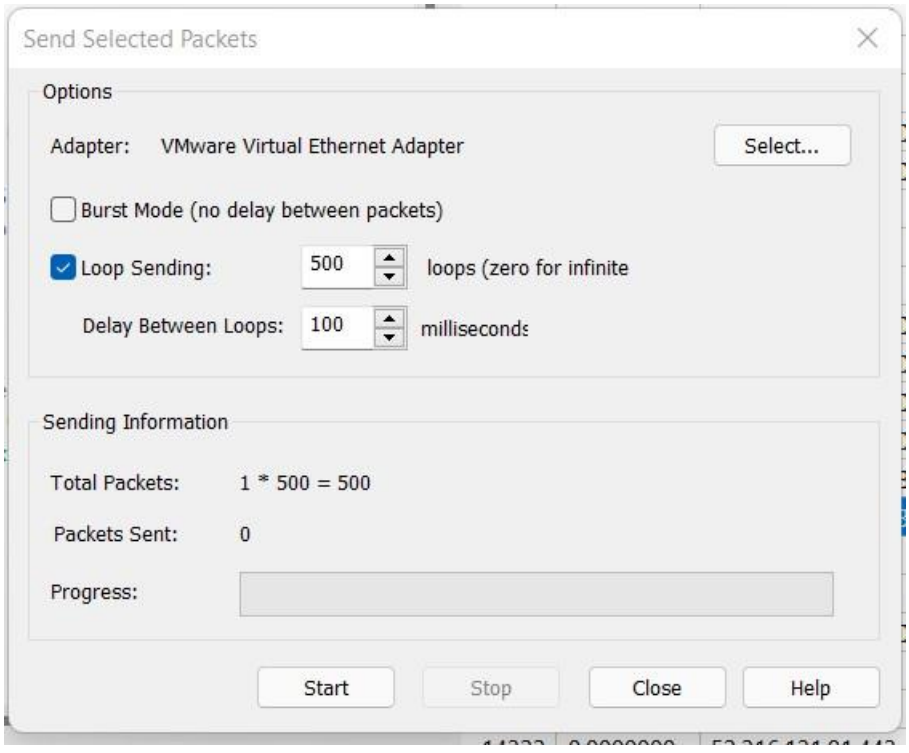


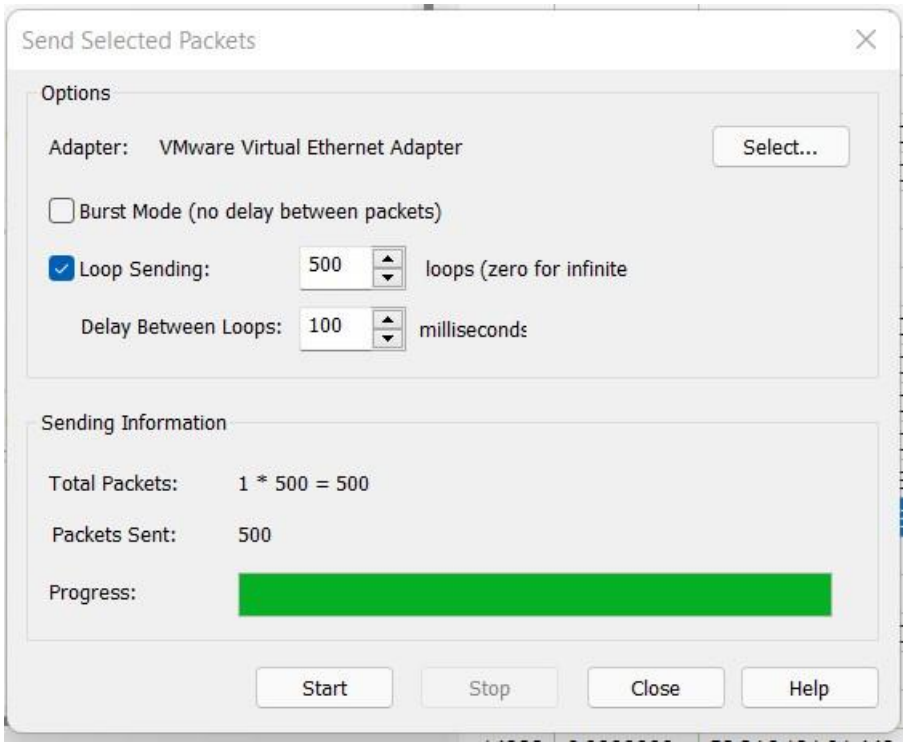


Task 2: DOS attack

Show how can you launch DOS attack using multiple packets at a time. Also create a TCP packet, spoof source IP and show how to launch DOS attack using only 1 packet. (Hint: you need to send 1 packet multiple times continuously).

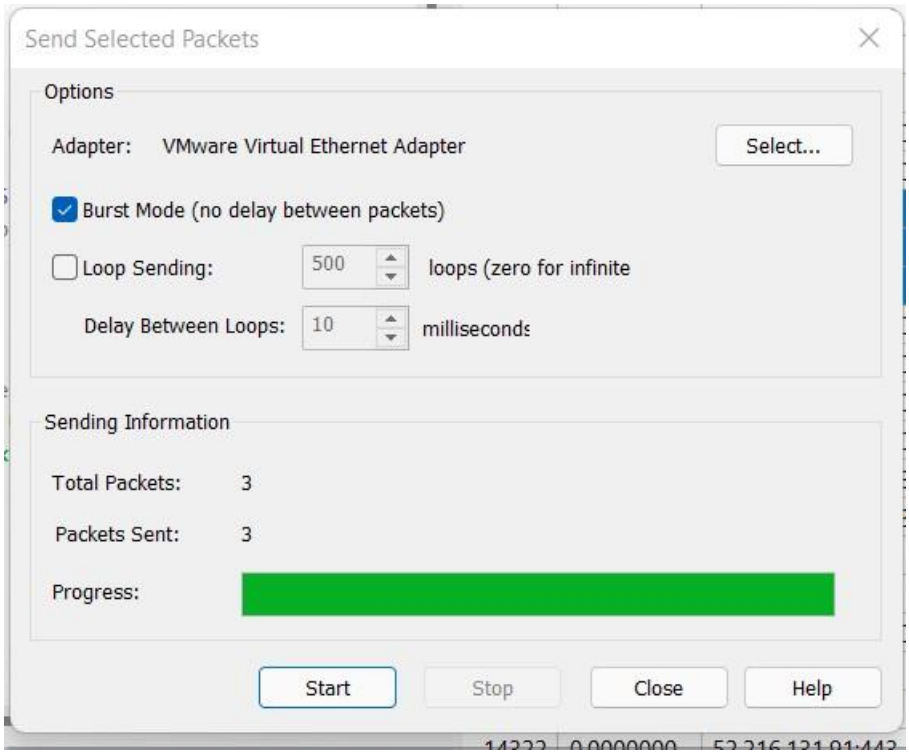
DOS Attack





DDOS Attack

14308	0.0000010...	52.216.131.91:443	192.168.31.78:21407	TCP	1,486	[ACK]SeqNumber=...
14309	0.0000000...	52.216.131.90:443	192.168.31.78:21407	TCP	1,486	[ACK, PSH]SeqNu...
14310	0.0000000...	52.216.131.89:443	192.168.31.78:21407	TCP	1,486	[ACK]SeqNumber=...



Task 3: Adding message to packet

Add message “Hi, My name is <Your Name>” to the packet you have created.