20CYS114 - Cyber Security Essentials

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

For each of the following steps complete the task and include screen captures as needed in your output. Be sure to label your results carefully and organize your results in the order of steps as given here and to answer each question in your report.

Lab Environment:

This lab Demonstrate how to build a packet, spoof IP address and launch DOS/DDOS attack.

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).

Task 3: Adding message to packet

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