**Progress Report**

Project 1: Conducting a Man-in-the-Middle (MITM) Attack and Privilege Escalation

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1. Set up Metasploit as the Target Machine

Steps:

1. Opened Metasploit through UTM. Logged in with credentials msfadmin.
2. Checked connectivity via ping IP.

2. Set up Kali Linux as the Attacker Machine

Steps:

1. Downloaded and launched the Kali Linux in the same network as done with Metasploitable.

3. Verify Communication

Steps:

1. Pinged the Metasploitable machine from Kali Linux to check connection.

4. Launch Ettercap

Started Ettercap in graphical mode with command sudo ettercap -G

5. Configuration of MITM Attack

Checked for the necessary thinks I need to do in Ettercap to become familiar.

Steps:

1. Scaned for hosts and identified the target machine.
2. Added the target IP to the target list.
3. Enabled ARP spoofing through Mitm -> ARP Poisoning and enable "Sniff Remote Connections."