Roll No:210701295

EX NO: 12 DATE:

## MITM ATTACK WITH ETTERCAP

## AIM:

To initiate a MITM attack using ICMP redirect with Ettercap tool.

## **ALGORITHM:**

- **Step 1:** Install ettercap if not done already using the command- dnf install ettercap.
- **Step 2:** Open etter.conf file and change the values of ec\_uid and ec\_gid to zero from default. vi /etc/ettercap/etter.conf.
- **Step 3:** Next start ettercap in GTK ettercap -G.
- Step 4: Click sniff, followed by unified sniffing.
- **Step 5:** Select the interface connected to the network.
- **Step 6:** Next ettercap should load into attack mode by clicking Hosts followed by Scan for Hosts.
- **Step 7:** Click Host List and choose the IP address for ICMP redirect.
- **Step 8:** Now all traffic to that particular IP address is redirected to some other IP address.
- **Step 9:** Click MITM and followed by Stop to close the attack.

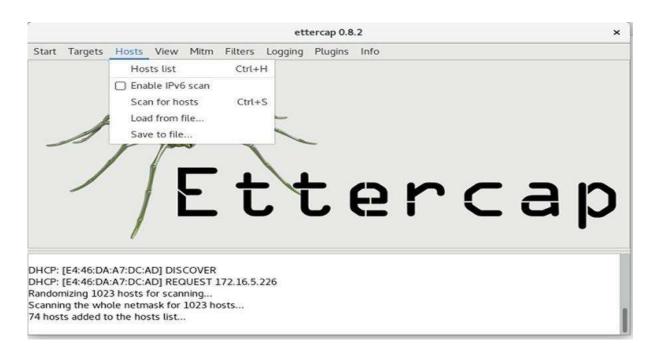
## **OUTPUT:**

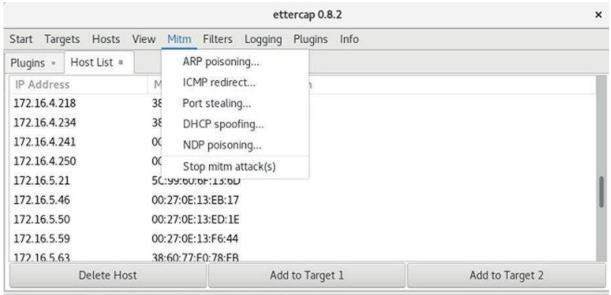
[root@localhost security lab]# dnf install ettercap

[root@localhost security lab]# vi /etc/ettercap/etter.conf

[root@localhost security lab]# ettercap -G

Roll No:210701295





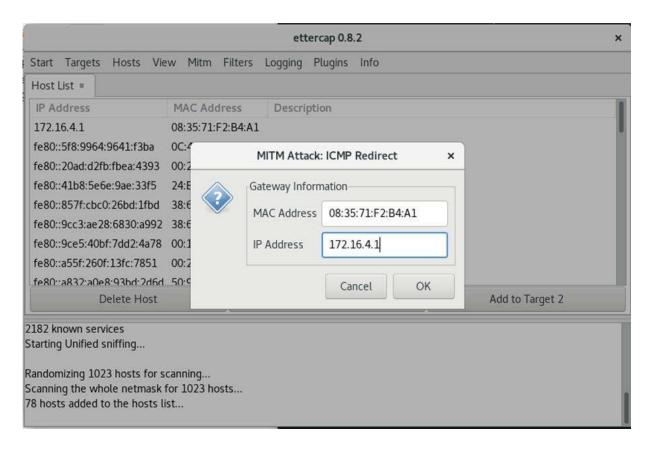
ICMP redirected 172.16.5.178:45618 -> 172.217.167.133:443

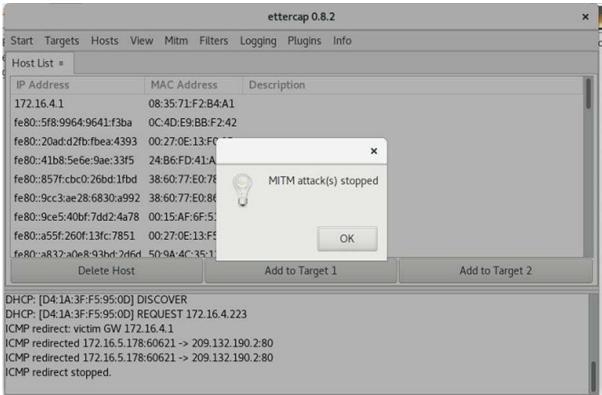
ICMP redirect stopped.

DHCP: [38:60:77:E0:86:87] REQUEST 172.16.4.218 DHCP: [88:D7:F6:C6:4D:C4] REQUEST 172.16.5.178

DHCP: [172.16.4.1] ACK: 172.16.5.178 255.255.252.0 GW 172.16.4.1 DNS 8.8.8.8

DHCP: [0C:4D:E9:BB:F2:42] REQUEST 172.16.5.149





|         | Roll No:210701295 |
|---------|-------------------|
|         |                   |
|         |                   |
|         |                   |
|         |                   |
|         |                   |
|         |                   |
|         |                   |
|         |                   |
|         |                   |
|         |                   |
|         |                   |
|         |                   |
|         |                   |
|         |                   |
|         |                   |
|         |                   |
|         |                   |
|         |                   |
| RESULT: |                   |
|         |                   |
|         |                   |
|         |                   |
|         |                   |