Cybersecurity Internship

TASK-5

-ST#IS#6119

ARP POISIONING:

→ Performing ARP POISIONING on your local network and sniff the data using the Ettercap tool in Kali Linux:

1** we open Ettercap GUI interface using command.

Ettercap -G

```
(kali@kali)-[~]

$ sudo su
[sudo] password for kali:

(root@kali)-[/home/kali]

# ettercap -G

Summy status as a 2001 a 0

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Respectation as a
```

2** Now select eth0 in primary interface and click on ok button.



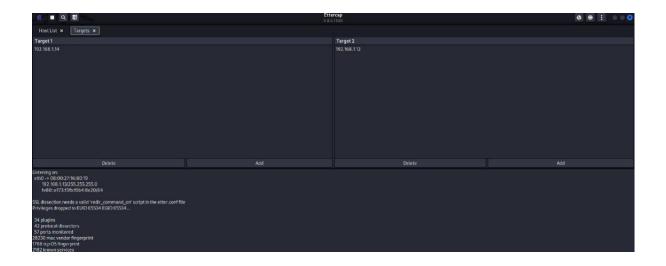
**Using the ifconfig command we will find out the ip address of metasploitable virtual machine:



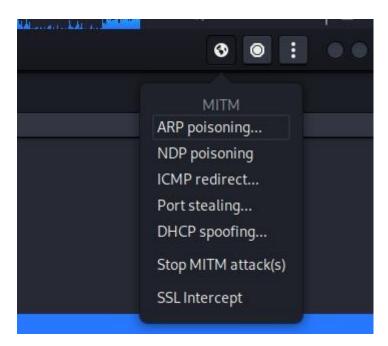
**Using the ipconfig command we will find out the ip address of windows 10 virtual machine:

 \rightarrow 10.0.2.15

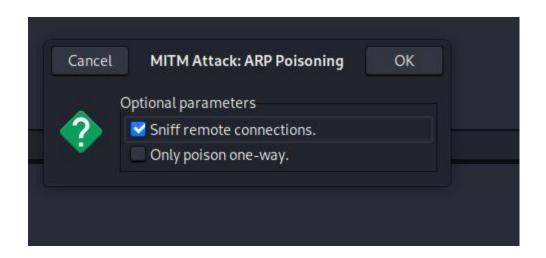
3** Now add the ip address of metasploitable vm as target 1 and windows 10 ip address as target 2:-



4** Now click on MITM and select ARP poisioning:-



5**Select by clicking on sniff remote connections and click ok button:-



6**In the new window change the ip address we have seen in network using below commands and open wireshark to sniff the network:-

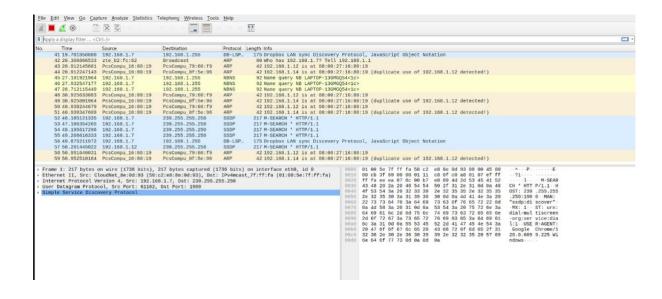
```
zsh: corrupt history file /home/kali/.zsh_history

[audi@bali3][=]

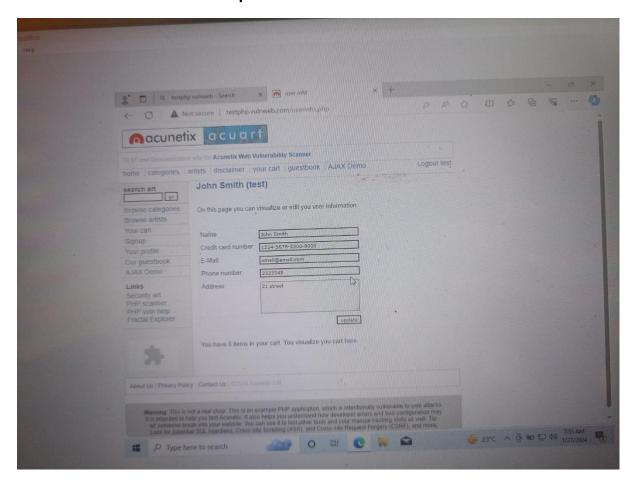
[audi password for kali:

[continuati |-/home/kali]

[continu
```



7**Open a login page and enter the details we can got the details in Ettercap:-



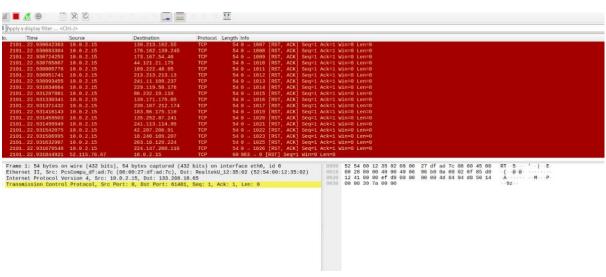
DOS Attack:

* > Performing DOS attack on windows 10 virtual machine and observing the performance :-

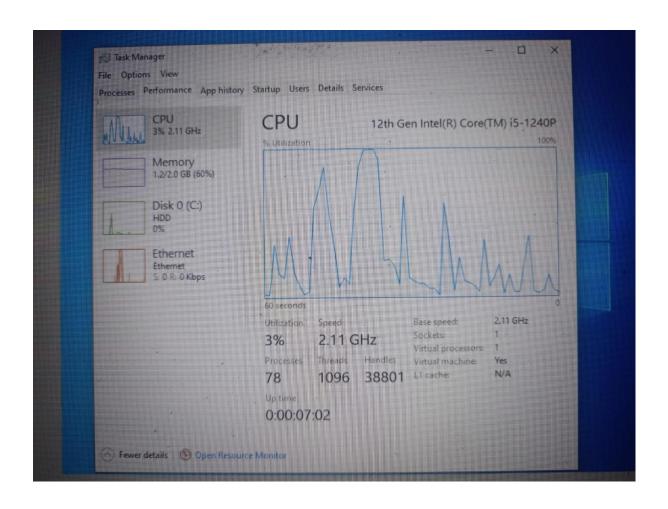
^{**}Now we use hping3 to perform dos attack:

**Sniffing the data packets using wireshark ,in this we can observe the huge number of data packets being transfer from the different source to destination as in the command we use —rand-source:

→hping3 –flood -S -V –rand-source target ip address



- **Before dos attack:
- → CPU performance in windows 10:



- **After dos attack:-
- ightarrowCPU performance in window 10

