Objective:

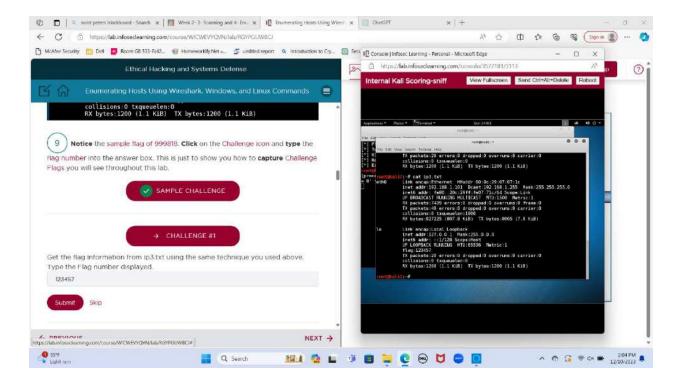
- 1. Passive Scanning
- 2. Active Scanning with Commands
- 3. Active Scanning with tools

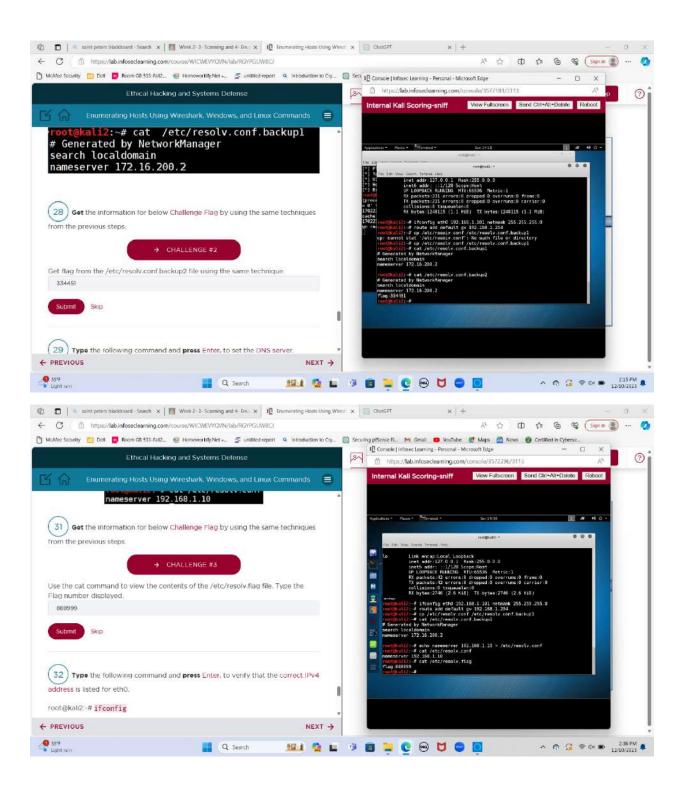
Takeaways:

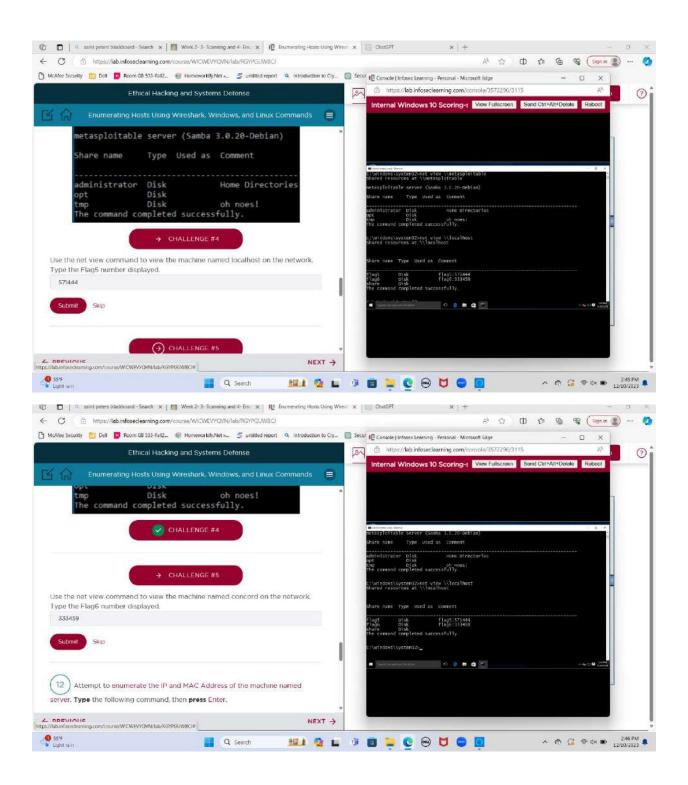
- Wireshark is a network protocol analyzer used for capturing and analyzing network traffic in real-time. It allows users to inspect data packets, understand network behavior, troubleshoot issues, and analyze security vulnerabilities.
- 2. The "route" command in computing is used to view and manipulate the IP routing table in an operating system. It allows users to display, add, delete, or modify entries in the routing table, which determines how network traffic is directed and forwarded between different networks or hosts.
- 3. The "net view" command is a Windows command-line utility used to display a list of available resources or shared folders on a network. It shows the names of computers or devices that are currently visible or accessible within the local network or domain.
- 4. 'nbtstat' is a Windows command-line utility used for troubleshooting and displaying NetBIOS over TCP/IP information, including NetBIOS name resolution statistics and cache on a local network.

5. 'db_nmap' is a command used to conduct network scans using Nmap and store the scan results directly into the Metasploit database for further analysis, exploitation, or vulnerability assessment.

Challenges:







The flags are:

• Flag 1: 999818

• Flag 2: 123457

• Flag 3: 334451

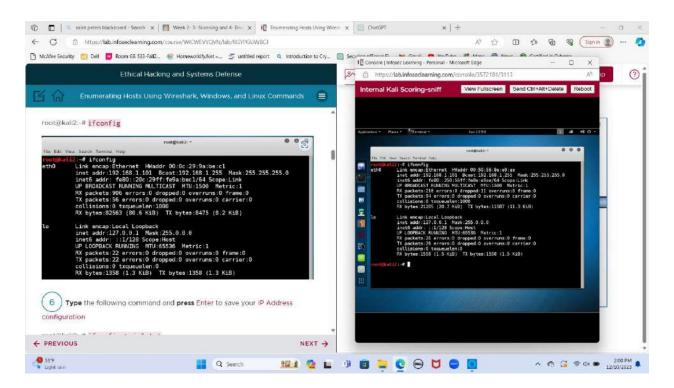
• Flag 4: 888999

• Flag 5: 571444

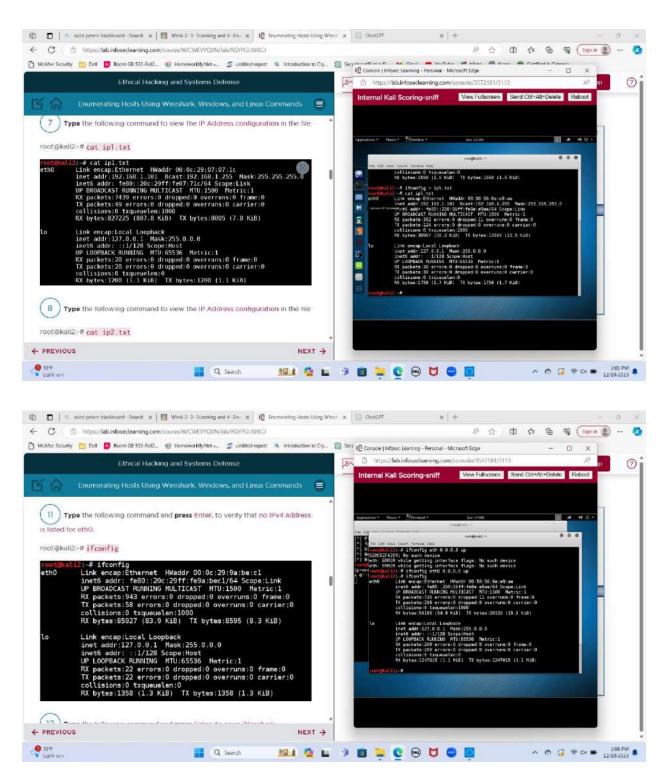
• Flag 6: 333459

Screenshots:

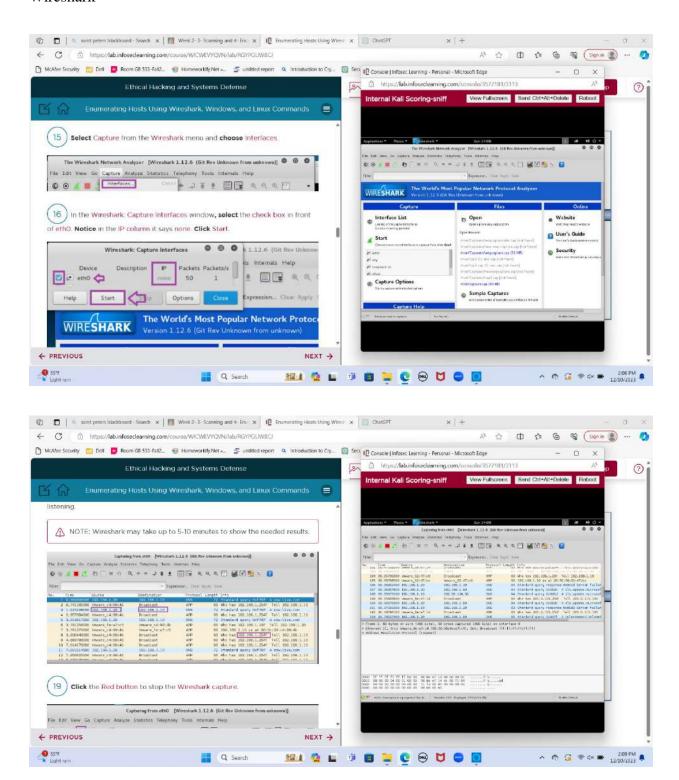
Ip configuration



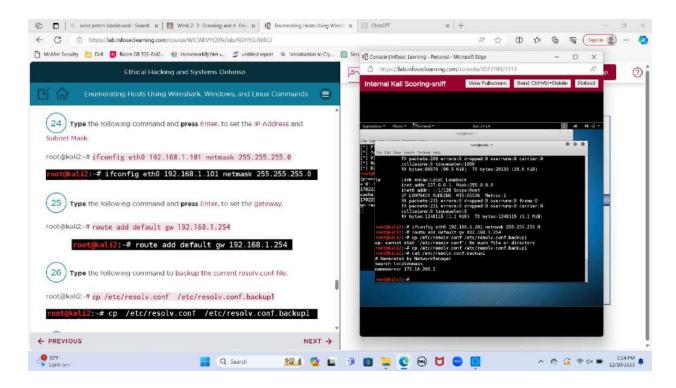
Ip address Configuration.



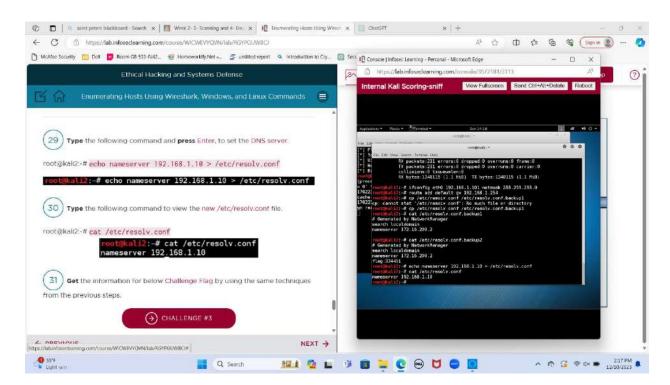
Wireshark



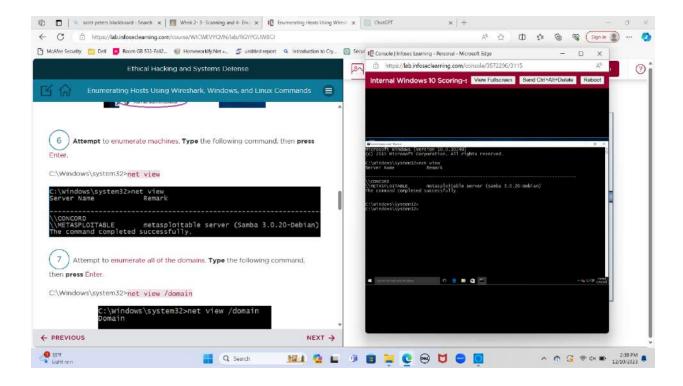
Setting IP address, Subnet mask and Gateway



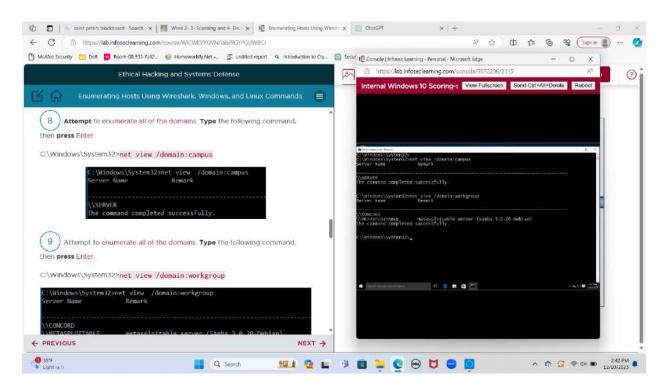
Setting DNS Server

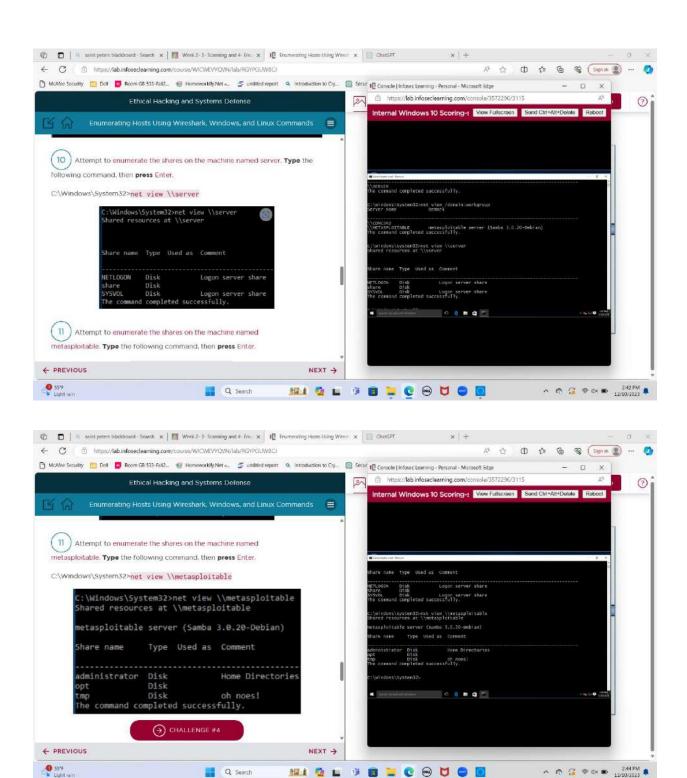


Attempt to enumerate machines.

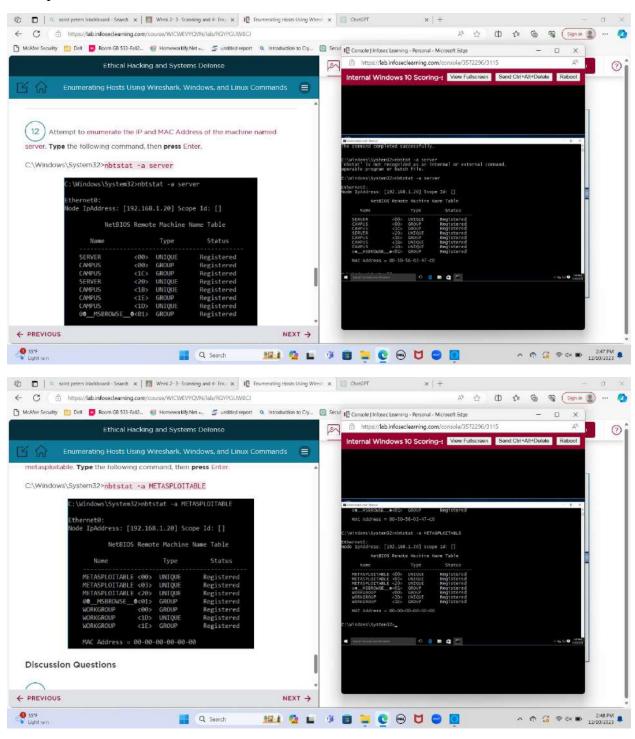


Attempt to enumerate all the Domains.

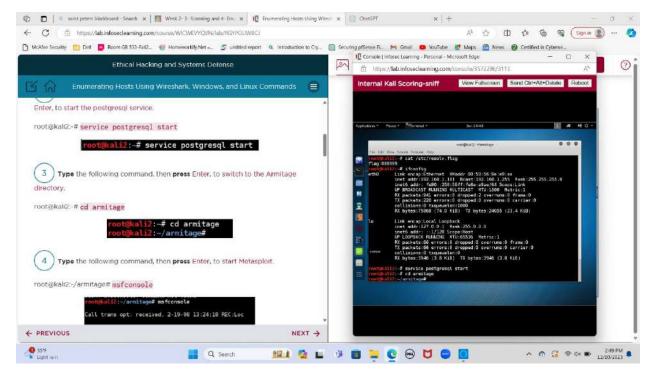




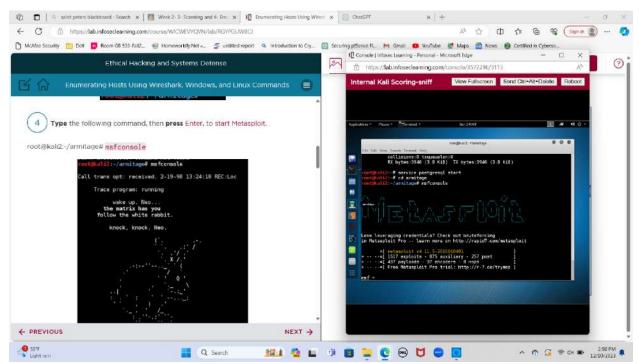
Attempt to enumerate IP and MAC address.



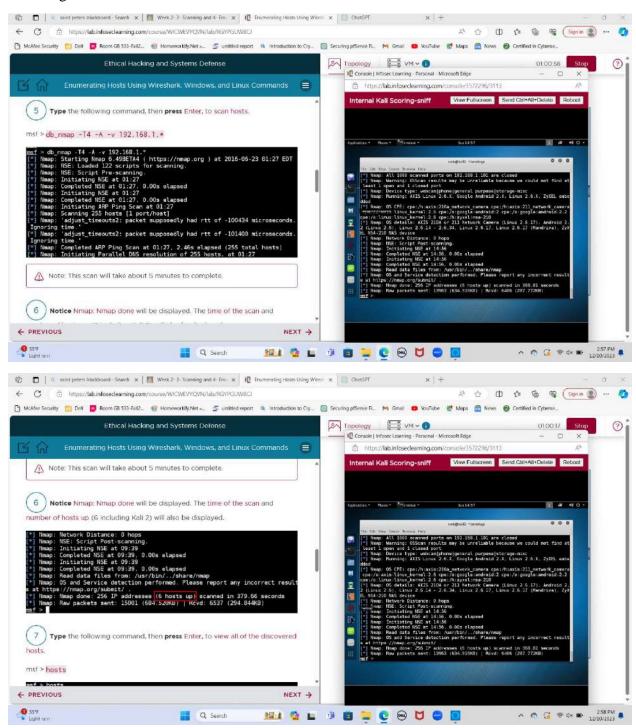
Starting the postgresql service and switching to Armitage directory



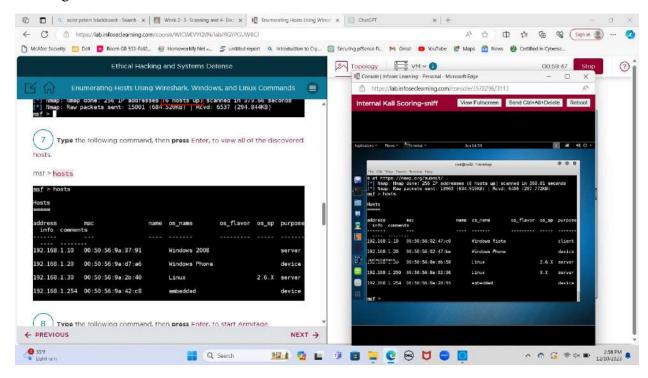
Starting Metasploit



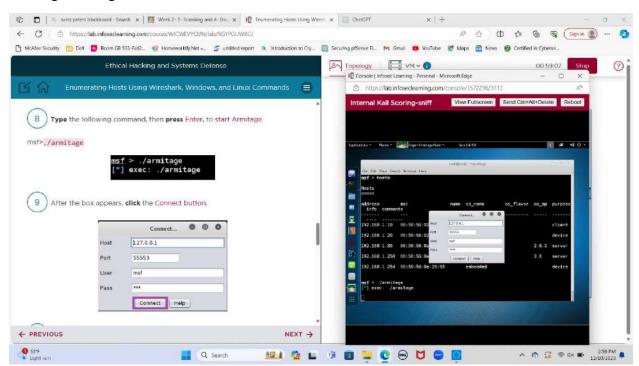
Scanning hosts



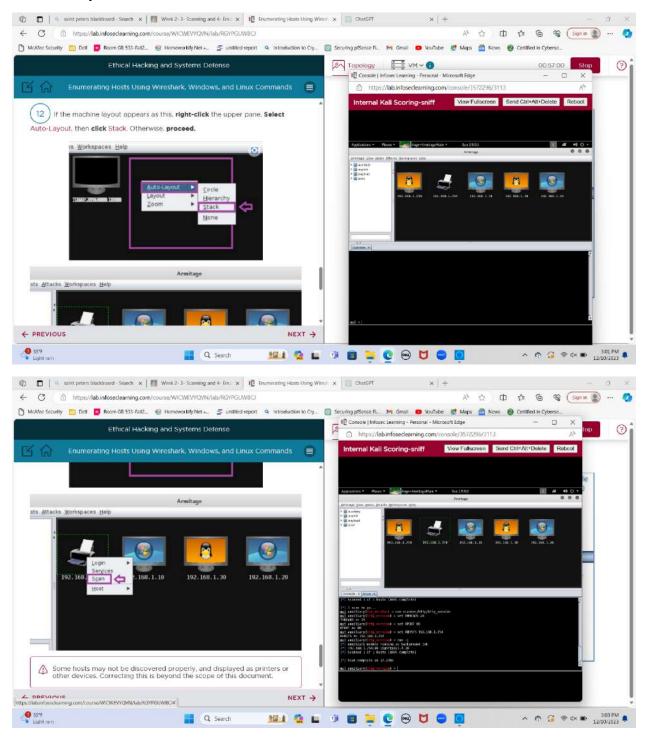
Viewing all of the discovered hosts



Starting Armitage



Machine Layout



This is the last screen before the end of this lab.