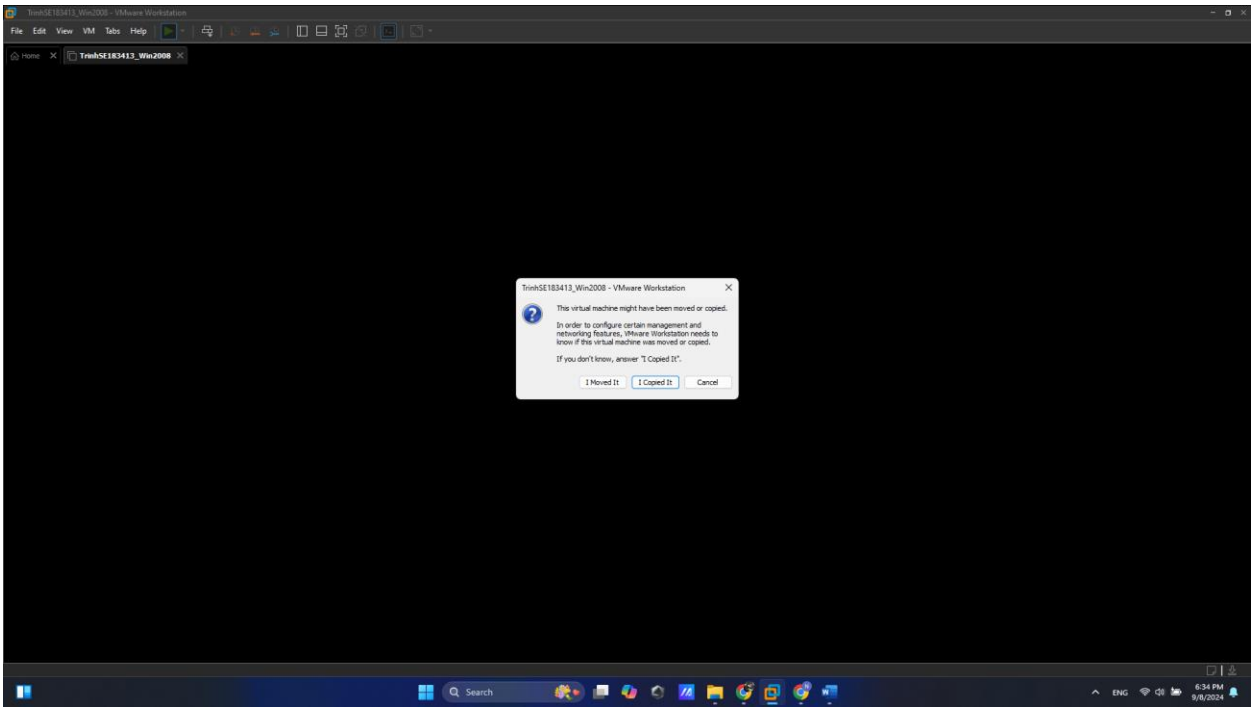
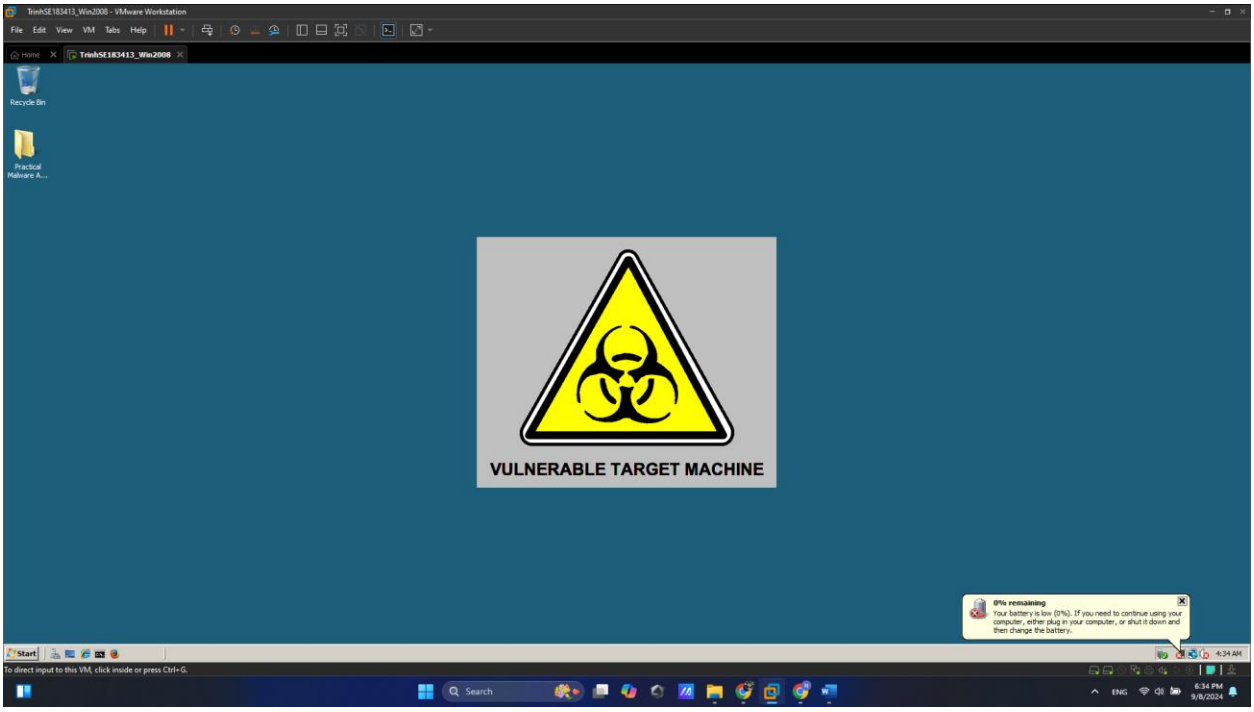
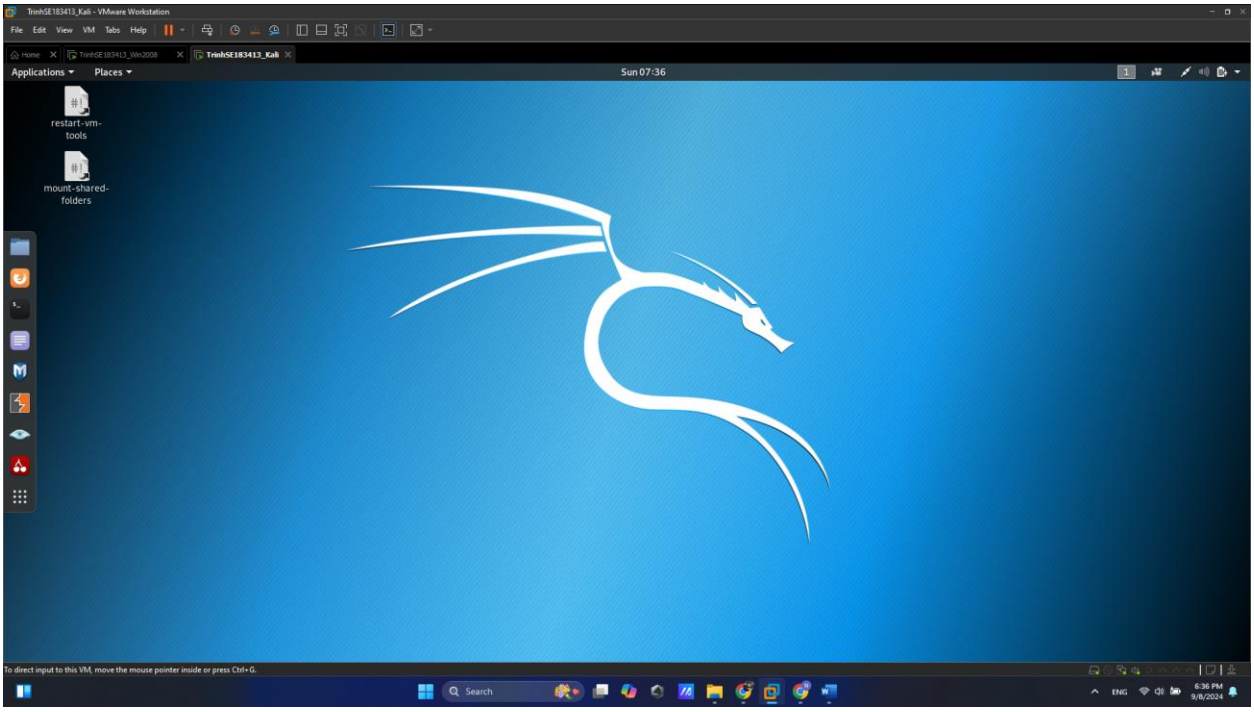
LAB 1: Setting Up Environment

Starting your Win2008-Target Virtual Machine

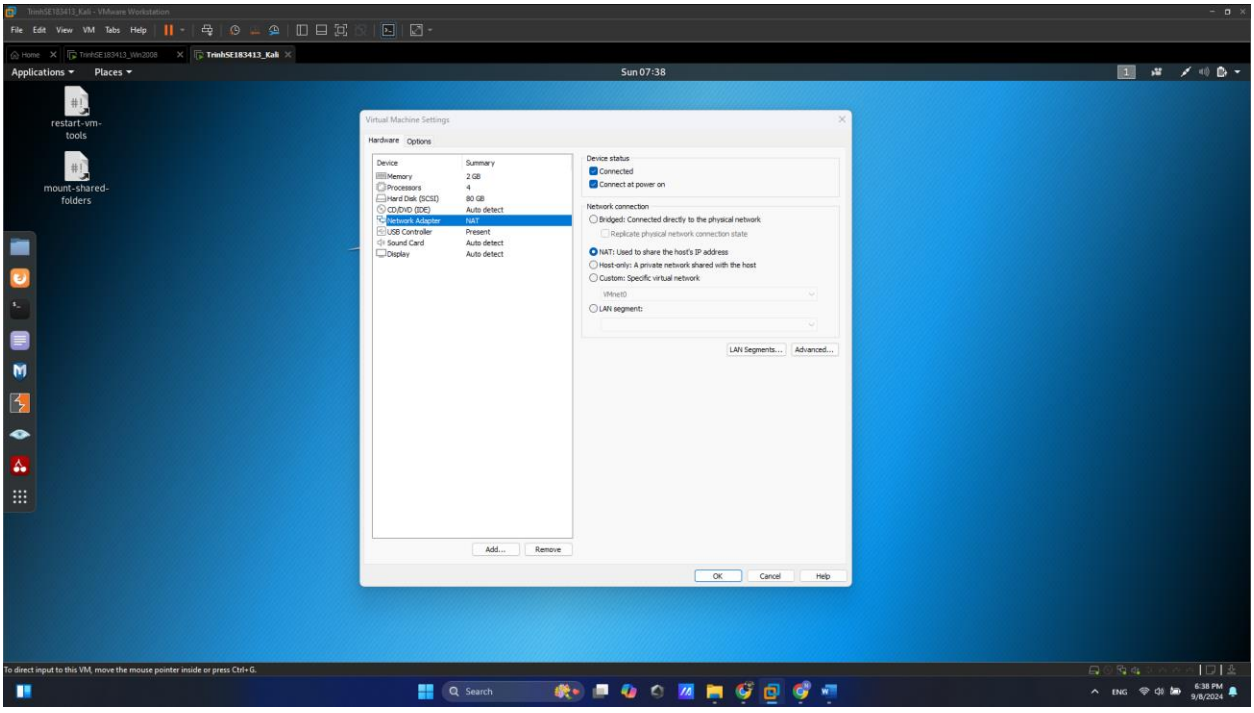


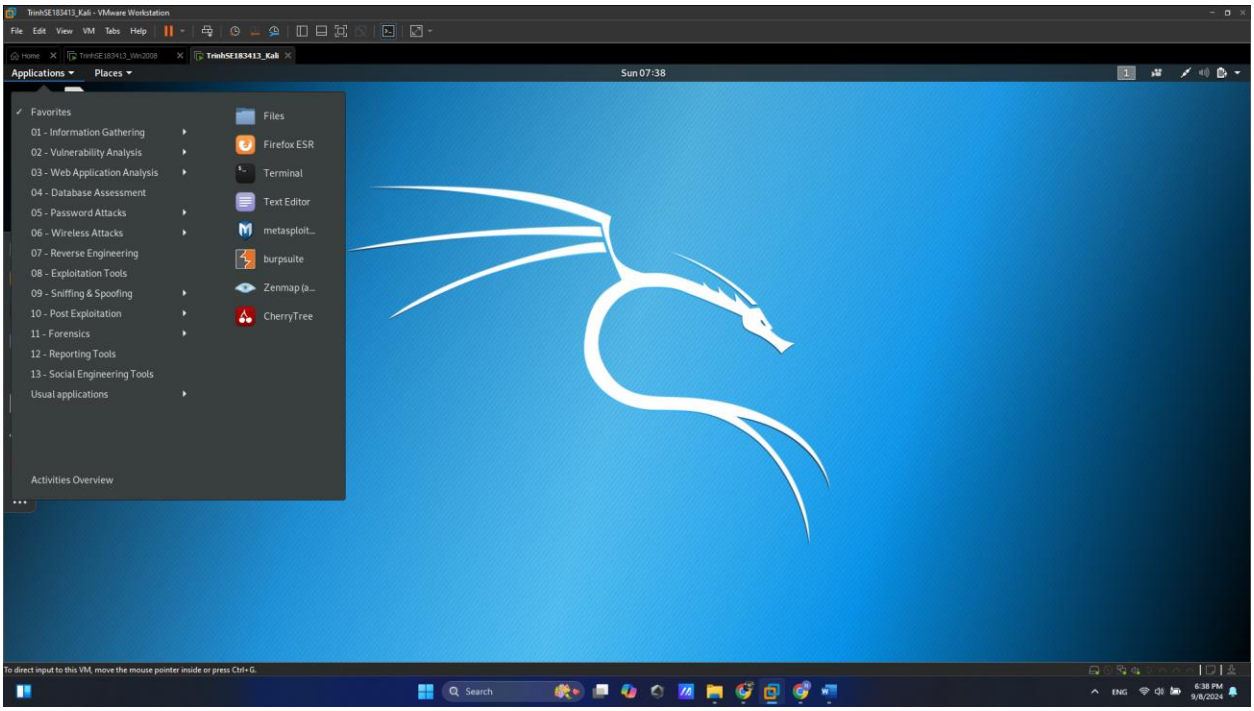


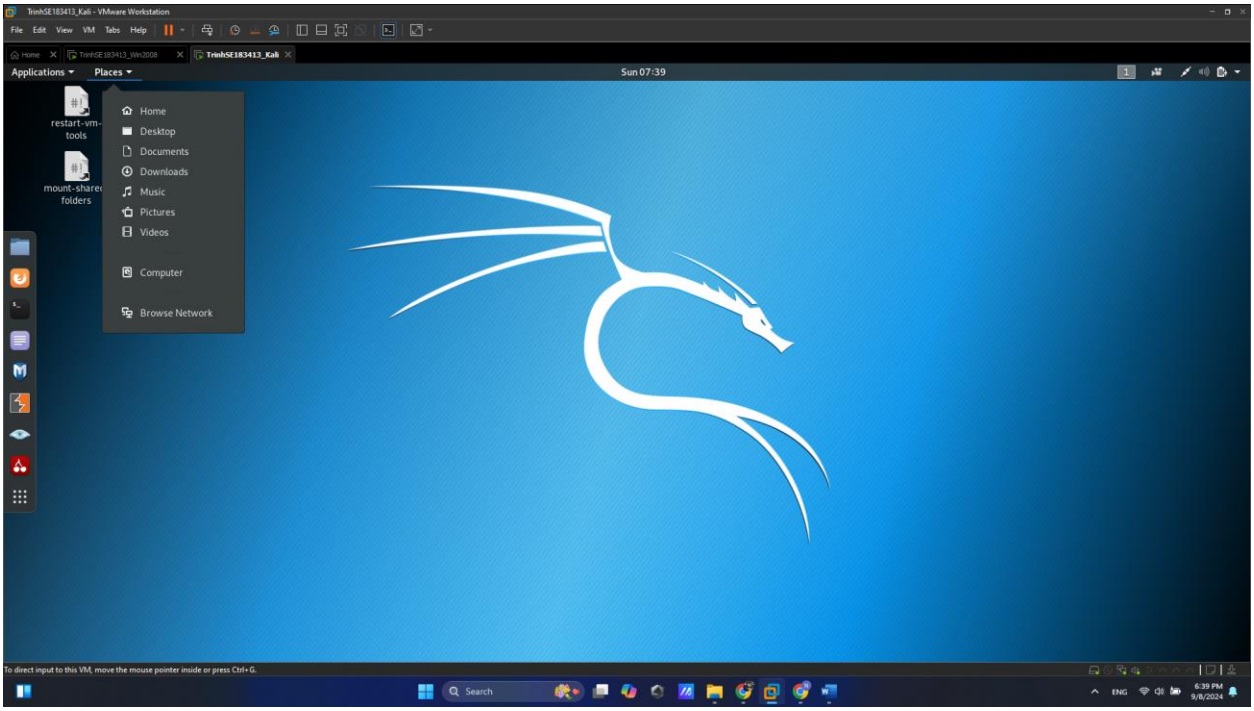
Starting the Kali Linux Machine and Adjusting Networking

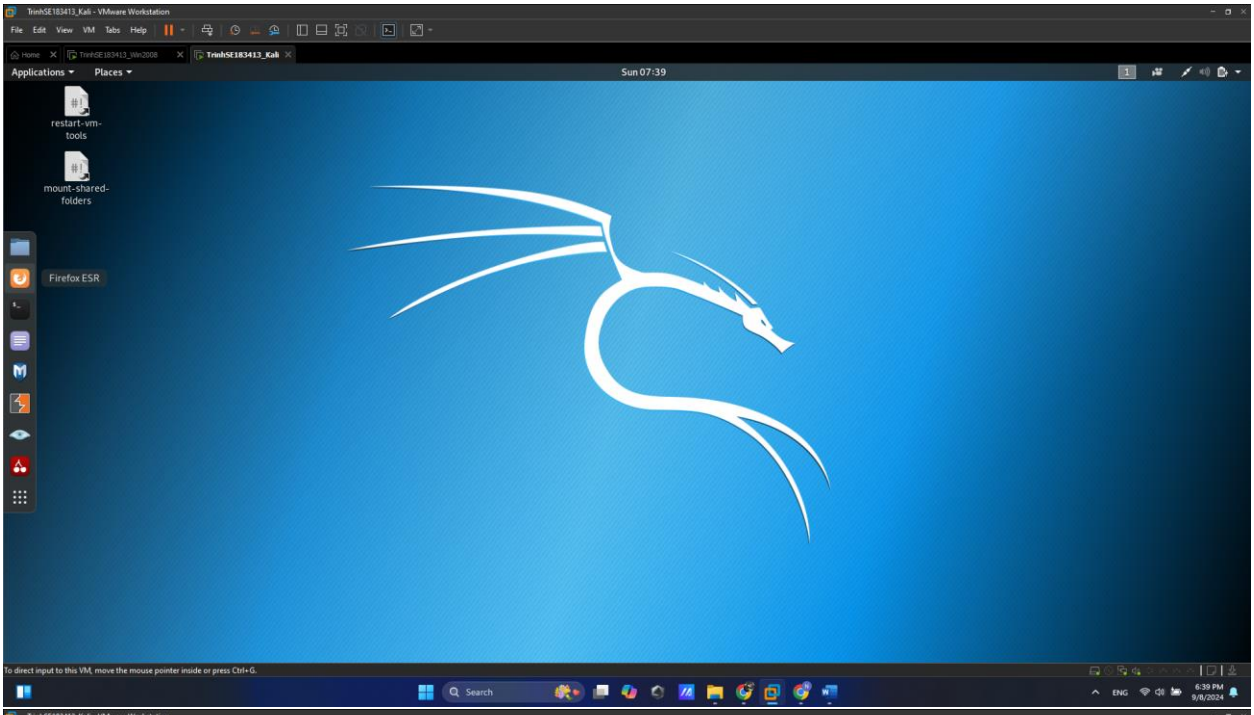


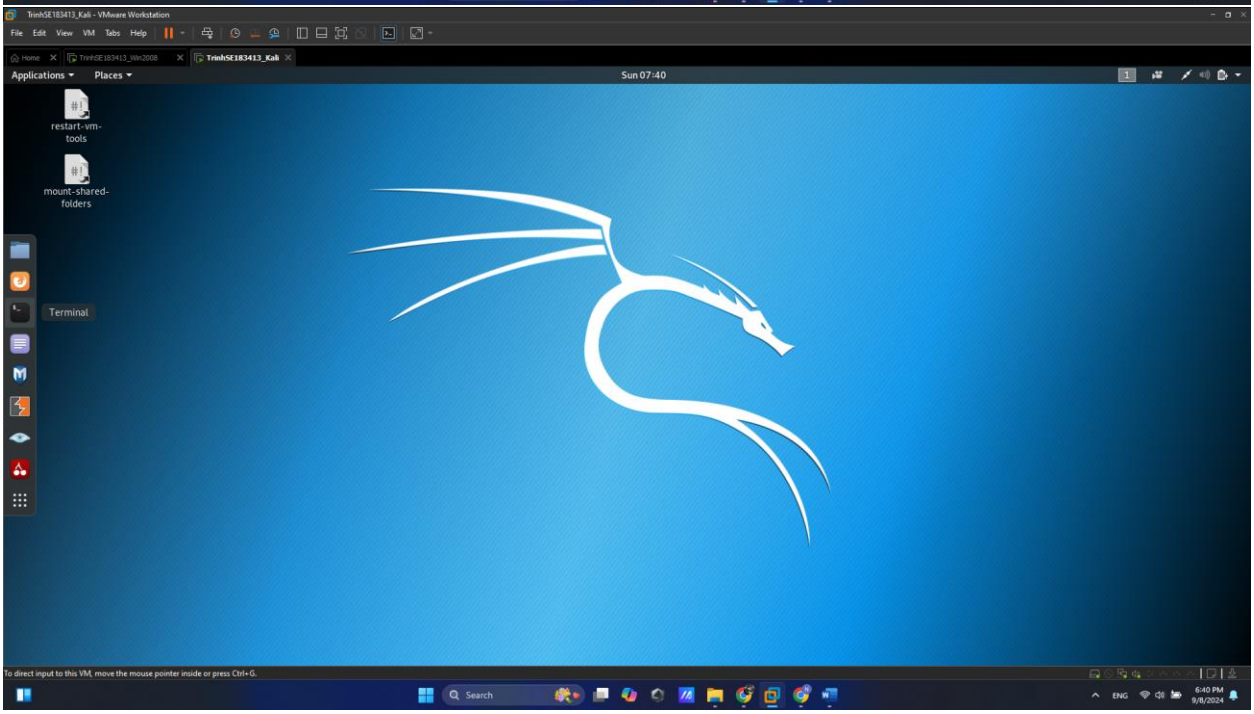
Setting the Kali Linux VM to NAT Networking

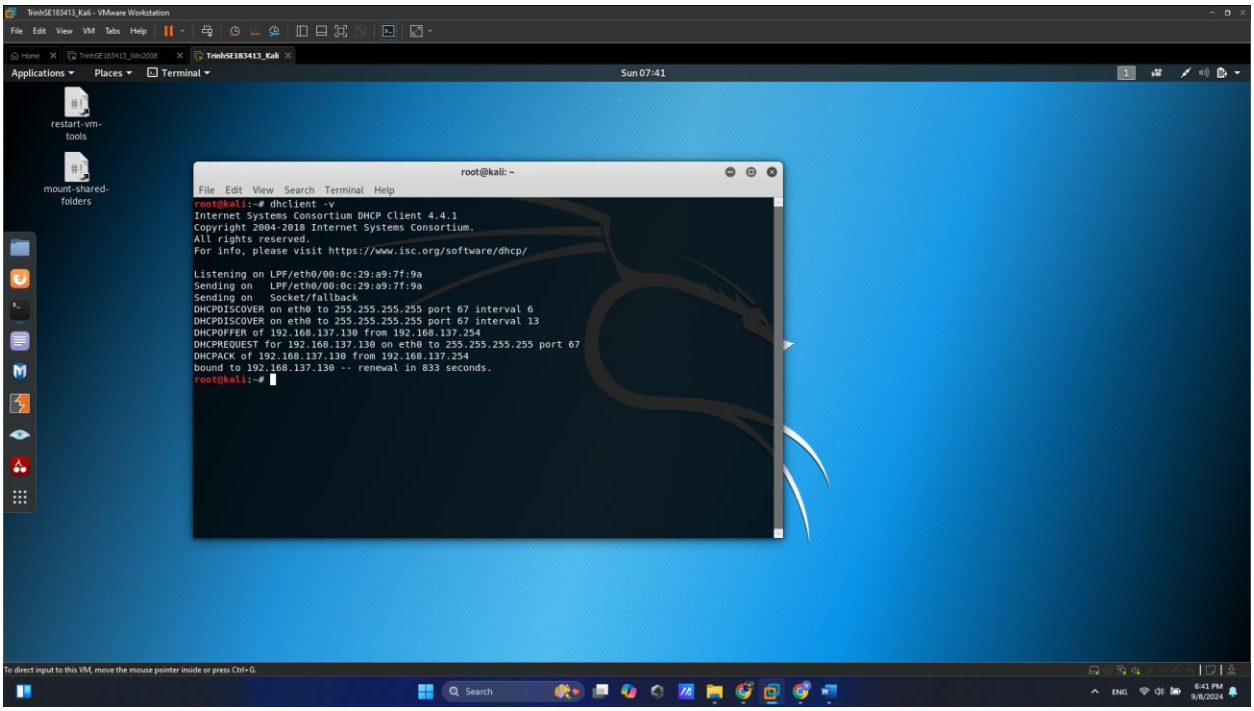



TrinhSE183413_Kali - VMware Workstation
File Edit View VM Tabs Help
Applications
Places
Sun 07:38
Favorites
01 - Information Gathering
02 - Vulnerability Analysis
03 - Web Application Analysis
04 - Database Assessment
05 - Password Attacks
06 - Wireless Attacks
07 - Reverse Engineering
08 - Exploitation Tools
09 - Sniffing & Spoofing
10 - Post Exploitation
11 - Forensics
12 - Reporting Tools
13 - Social Engineering Tools
Usual applications
Activities Overview
Files
Firefox ESR
Terminal
Text Editor
metasploit...
burpsuite
Zenmap (a...
CherryTree
To direct input to this VM, move the mouse pointer inside or press Ctrl+G.
Search
ENG
6:38 PM
9/8/2024

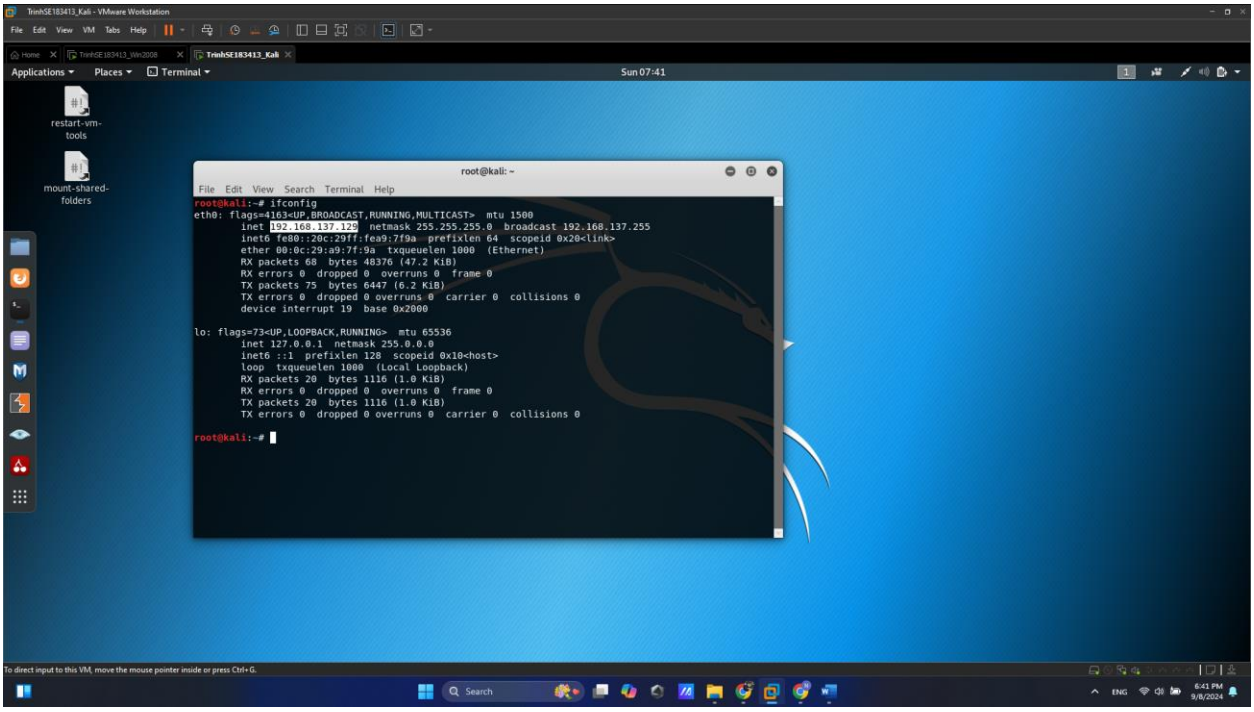

TrinhSE183413_Kali - VMware Workstation
File Edit View VM Tabs Help
Applications
Places
Sun 07:39
restart-vm-tools
mount-shared-folders
Home
Desktop
Documents
Downloads
Music
Pictures
Videos
Computer
Browse Network
To direct input to this VM, move the mouse pointer inside or press Ctrl+G.
Search
ENG
6:39 PM
9/8/2024


TrinhSE183413_Kali - VMware Workstation
File Edit View VM Tabs Help
Applications Places
Sun 07:39
restart-vm-tools
mount-shared-folders
Firefox ESR
To direct input to this VM, move the mouse pointer inside or press Ctrl+G.
Search
ENG
6:39 PM
9/8/2024

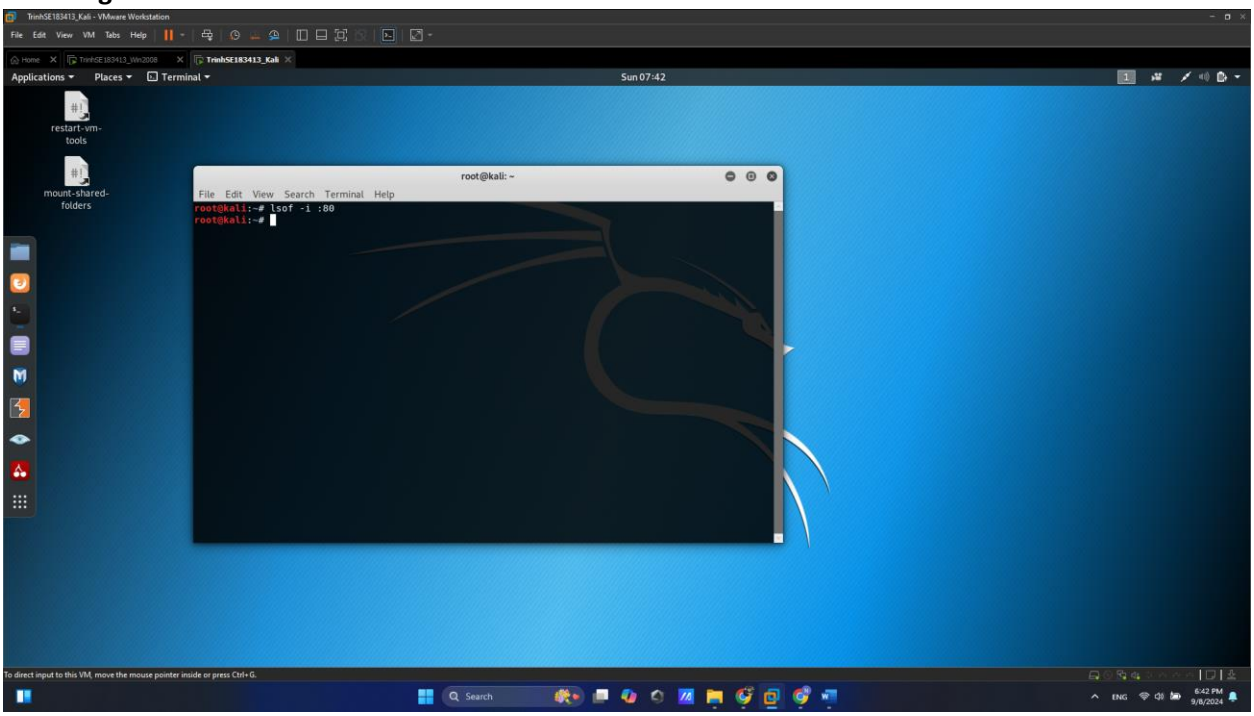

TrinhSE183413_Kali - VMware Workstation
File Edit View VM Tabs Help
Applications Places
Sun 07:40
restart-vm-tools
mount-shared-folders
Terminal
To direct input to this VM, move the mouse pointer inside or press Ctrl+G.
Search
ENG
6:40 PM
9/8/2024

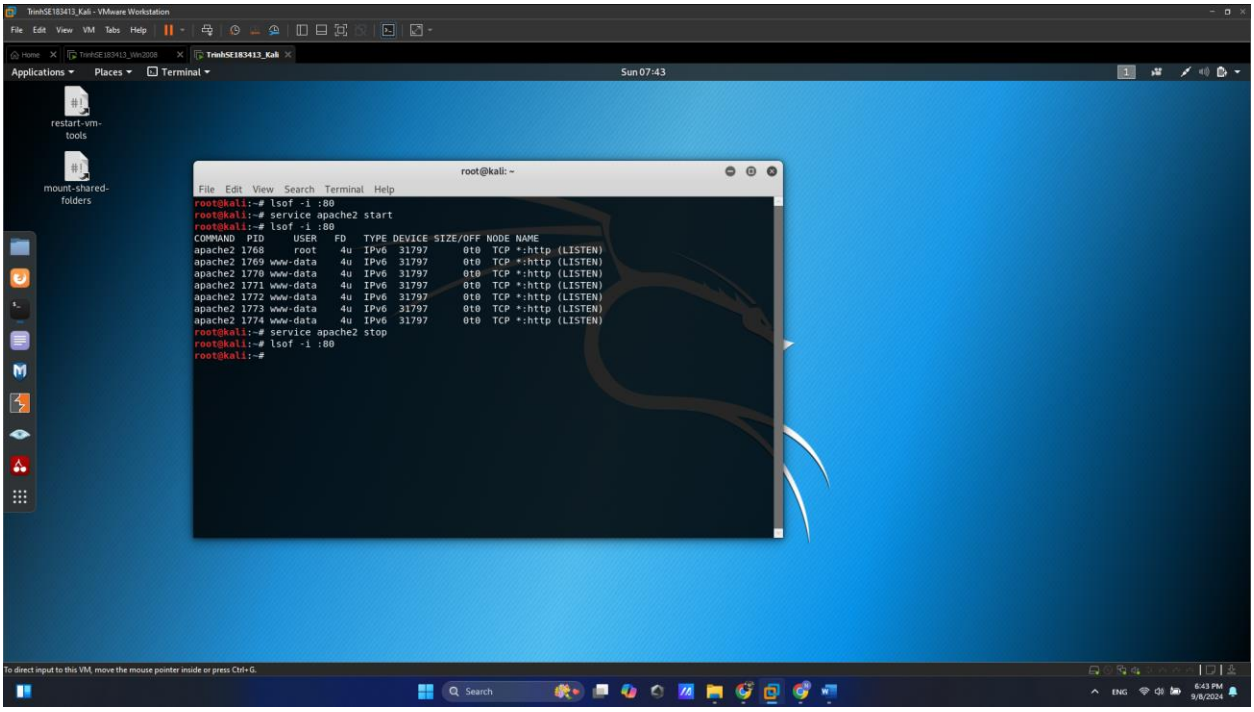


Finding the Kali Machine's IP Address

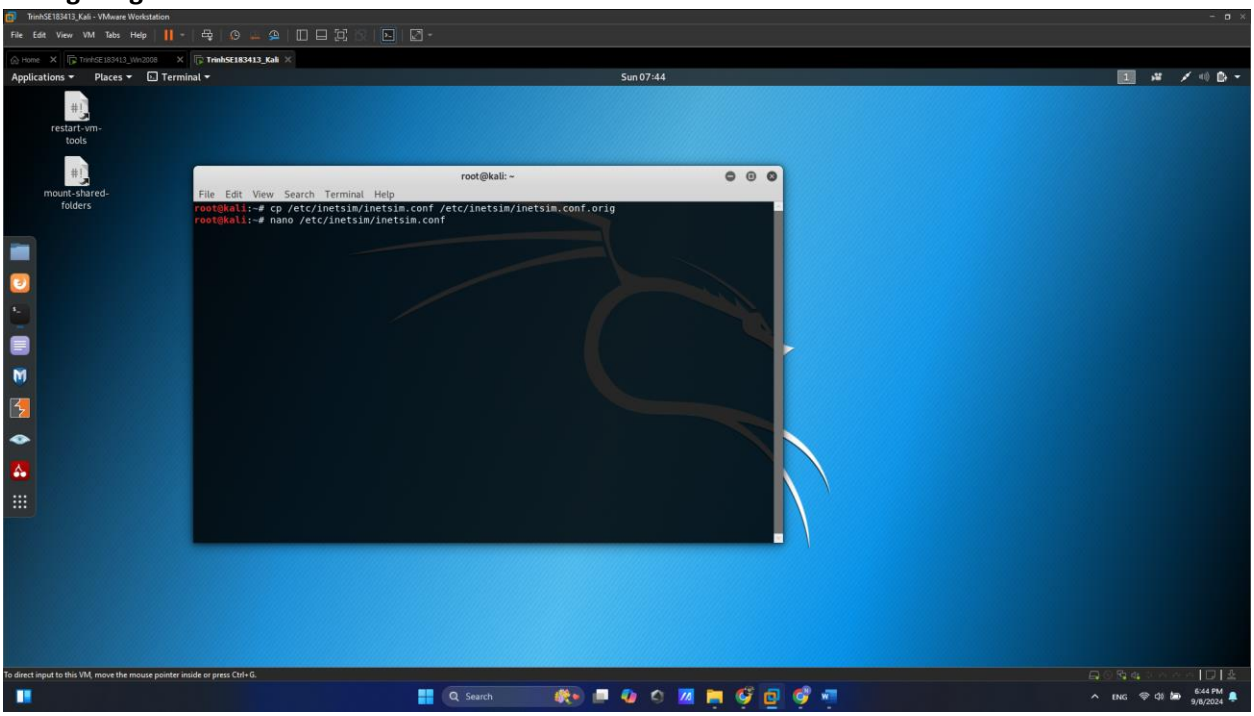


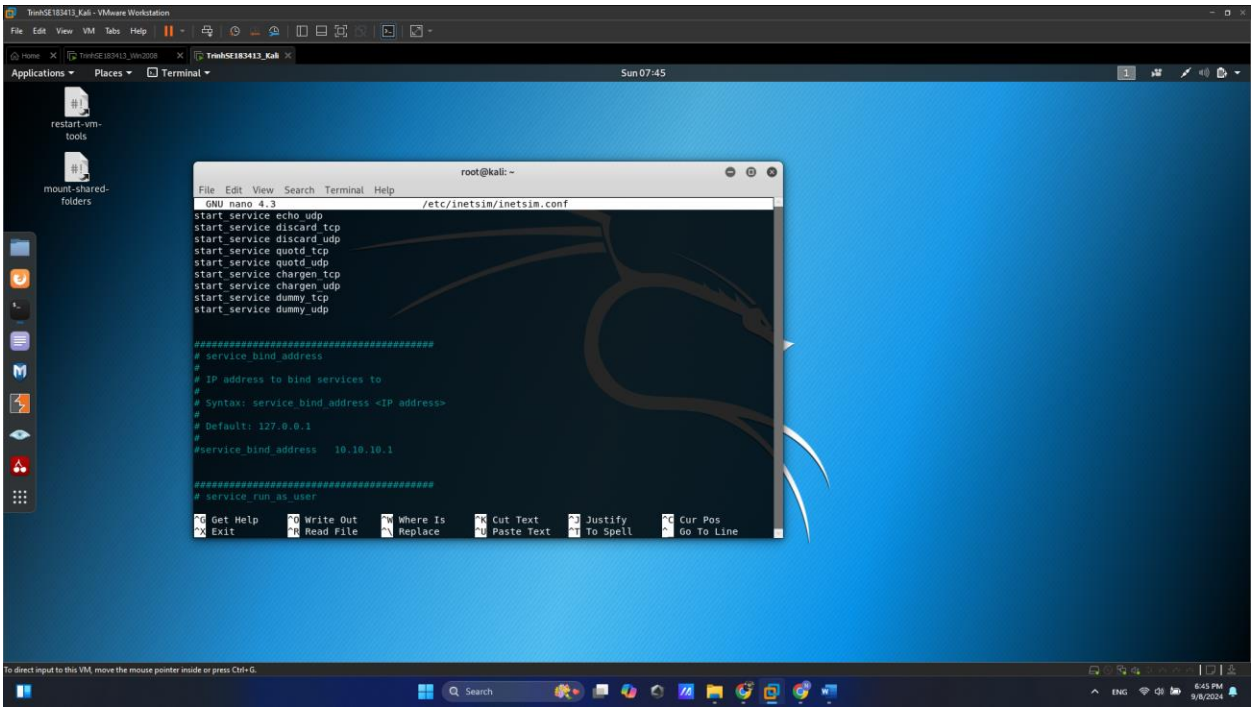
Checking for a Web server

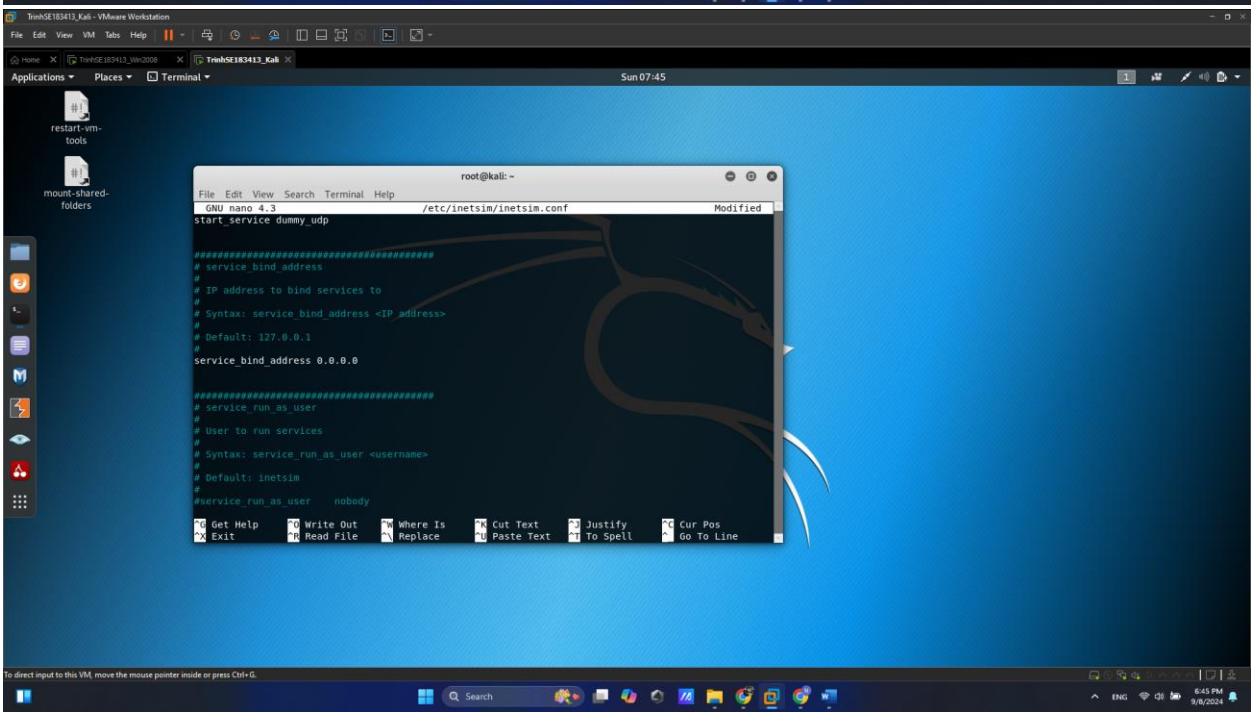


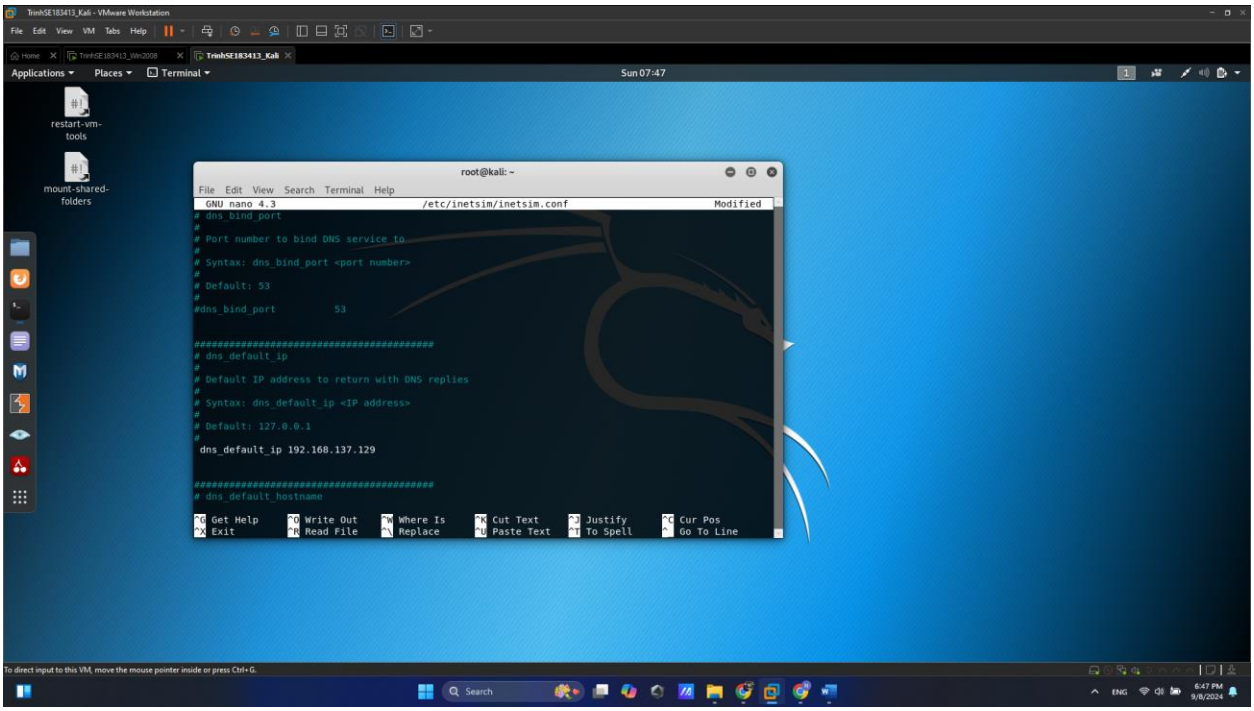


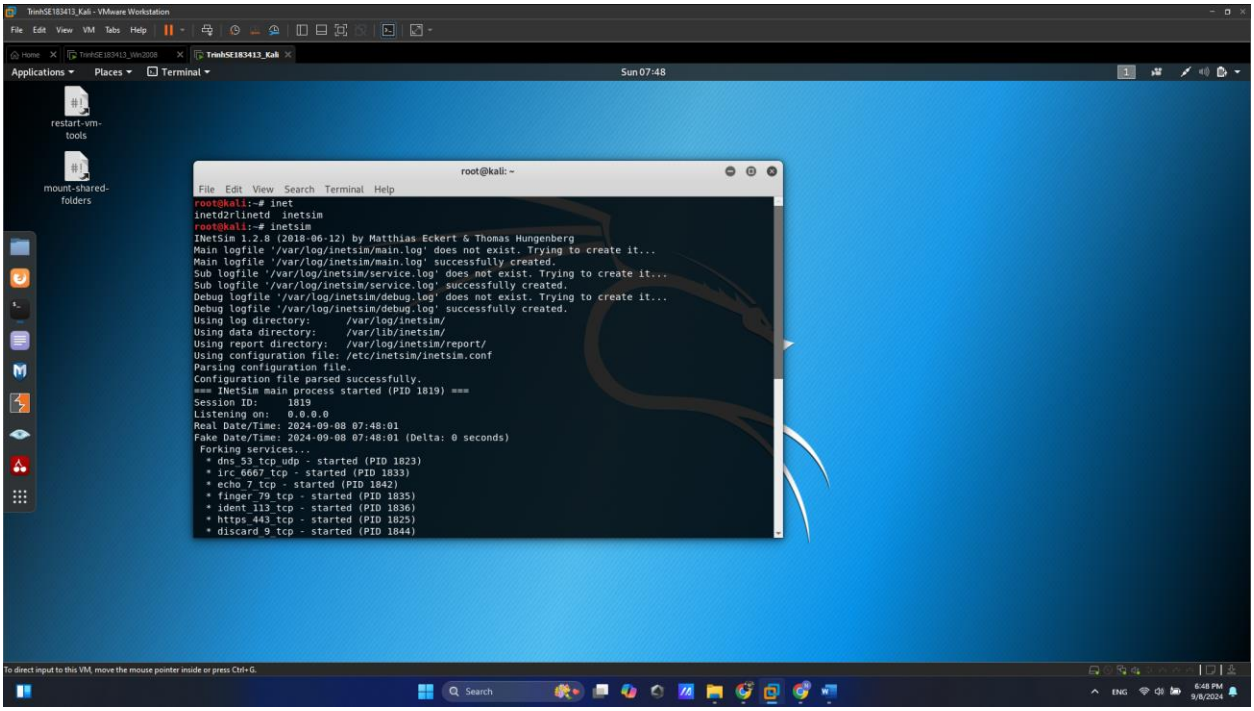
Configuring inetsim

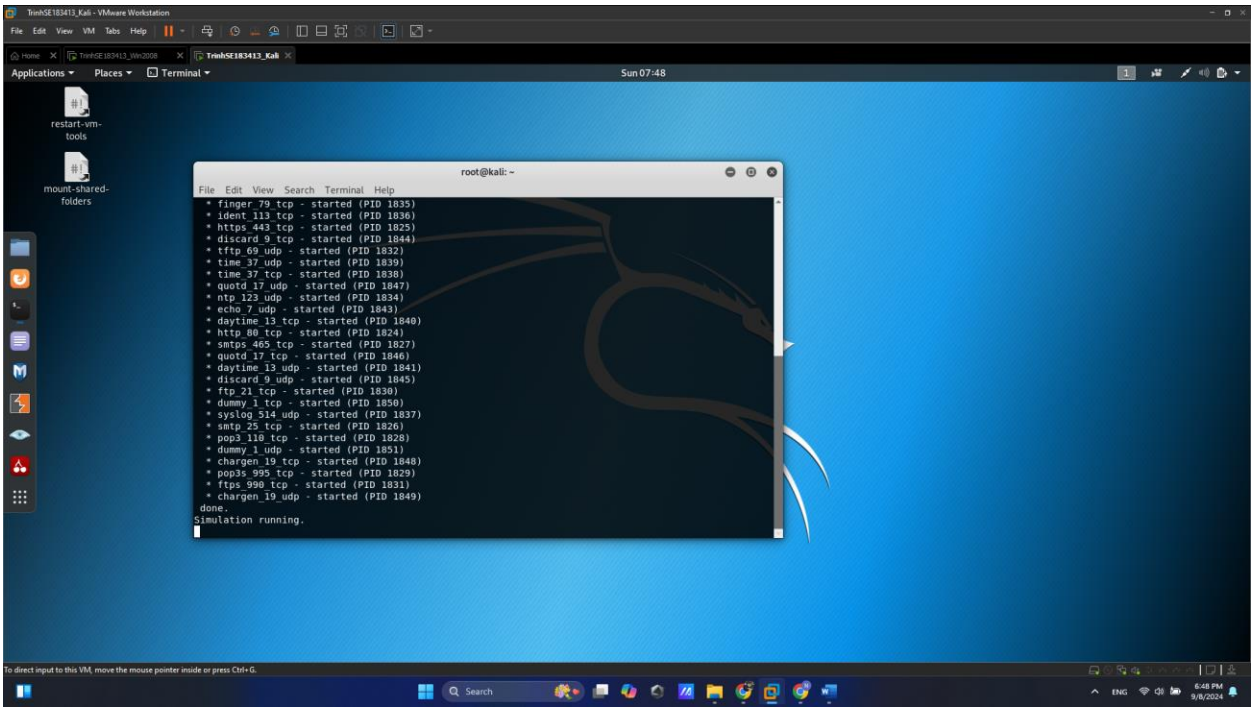



TrinhSE183413_Kali - VMware Workstation
Applications
Places
Terminal
Sun 07:45
restart-vm-tools
mount-shared-folders
root@kali: ~
File Edit View Search Terminal Help
GNU nano 4.3 /etc/inetsim/inetsim.conf
start_service echo_udp
start_service discard_tcp
start_service discard_udp
start_service quotd_tcp
start_service quotd_udp
start_service chargen_tcp
start_service chargen_udp
start_service dummy_tcp
start_service dummy_udp
service_bind_address
IP address to bind services to
Syntax: service_bind_address <IP address>
Default: 127.0.0.1
#service_bind_address 10.10.10.1
service_run_as_user
^G Get Help ^O Write Out ^W Where Is ^K Cut Text ^J Justify ^C Cur Pos
^X Exit ^R Read File ^\ Replace ^U Paste Text ^T To Spell ^_ Go To Line
To direct input to this VM, move the mouse pointer inside or press Ctrl+G.
Search
ENG
6:45 PM
9/8/2024

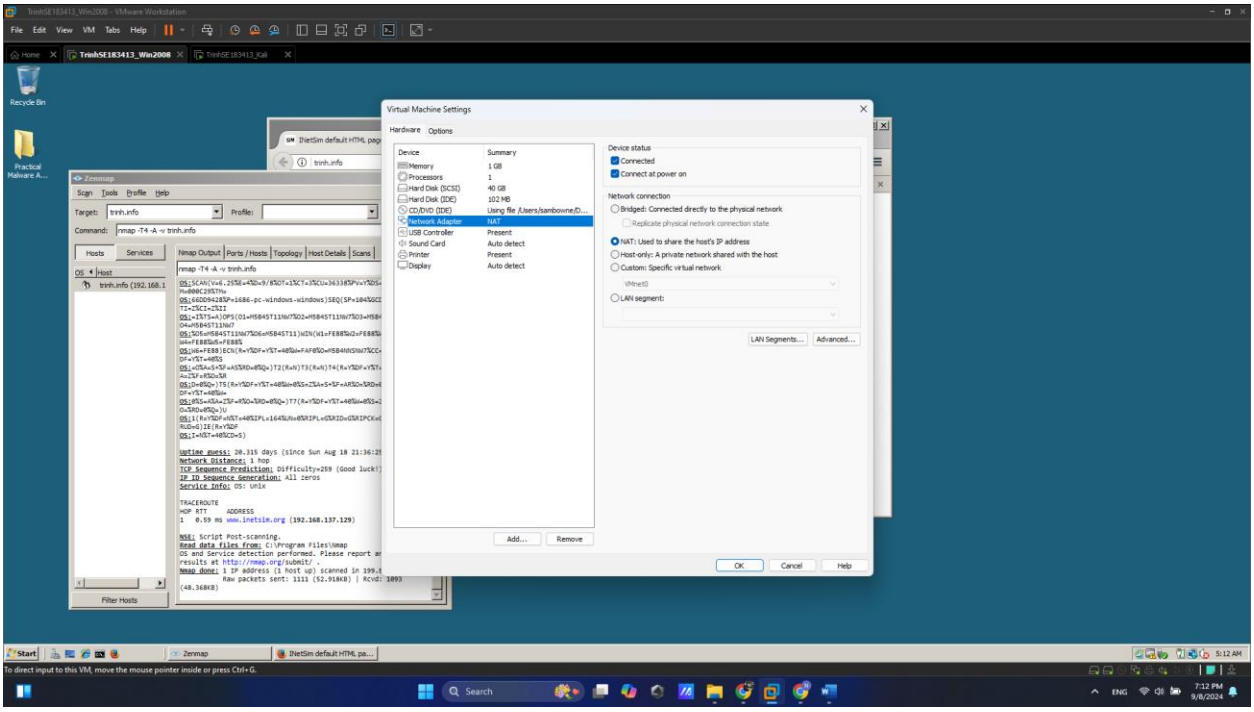

TrinhSE183413_Kali - VMware Workstation
Applications
Places
Terminal
Sun 07:45
restart-vm-tools
mount-shared-folders
root@kali: ~
File Edit View Search Terminal Help
GNU nano 4.3 /etc/inetsim/inetsim.conf Modified
start_service dummy_udp
service_bind_address
IP address to bind services to
Syntax: service_bind_address <IP address>
Default: 127.0.0.1
service_bind_address 0.0.0.0
service_run_as_user
User to run services
Syntax: service_run_as_user <username>
Default: inetsim
#service_run_as_user nobody
^G Get Help ^O Write Out ^W Where Is ^K Cut Text ^J Justify ^C Cur Pos
^X Exit ^R Read File ^\ Replace ^U Paste Text ^T To Spell ^_ Go To Line
To direct input to this VM, move the mouse pointer inside or press Ctrl+G.
Search
ENG
6:45 PM
9/8/2024


TrinhSE183413_Kali - VMware Workstation
Applications
Places
Terminal
Sun 07:47
restart-vm-tools
mount-shared-folders
root@kali: ~
File Edit View Search Terminal Help
GNU nano 4.3 /etc/inetsim/inetsim.conf Modified
dns_bind_port
#
Port number to bind DNS service to
#
Syntax: dns_bind_port <port number>
#
Default: 53
#
#dns_bind_port 53
##
dns_default_ip
#
Default IP address to return with DNS replies
#
Syntax: dns_default_ip <IP address>
#
Default: 127.0.0.1
#
dns_default_ip 192.168.137.129
##
dns_default_hostname
^G Get Help ^O Write Out ^W Where Is ^K Cut Text ^J Justify ^C Cur Pos
^X Exit ^R Read File ^\ Replace ^U Paste Text ^T To Spell ^_ Go To Line
To direct input to this VM, move the mouse pointer inside or press Ctrl+G.
Search
ENG
6:47 PM
9/8/2024

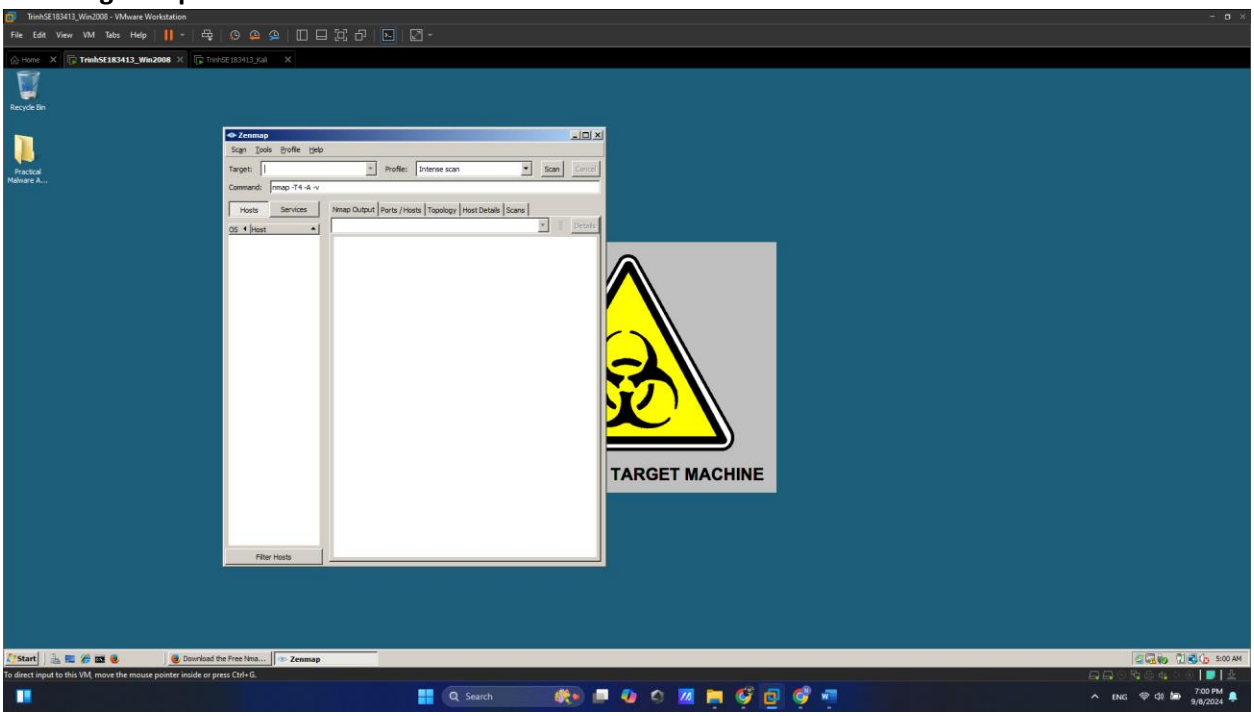

TrinhSE183413_Kali - VMware Workstation
Applications
Places
Terminal
Sun 07:48
restart-vm-tools
mount-shared-folders
root@kali: ~
File Edit View Search Terminal Help
root@kali:~# inet
inetd2rlinetd inetsim
root@kali:~# inetsim
INetSim 1.2.8 (2018-06-12) by Matthias Eckert & Thomas Hungenberg
Main logfile '/var/log/inetsim/main.log' does not exist. Trying to create it...
Main logfile '/var/log/inetsim/main.log' successfully created.
Sub logfile '/var/log/inetsim/service.log' does not exist. Trying to create it...
Sub logfile '/var/log/inetsim/service.log' successfully created.
Debug logfile '/var/log/inetsim/debug.log' does not exist. Trying to create it...
Debug logfile '/var/log/inetsim/debug.log' successfully created.
Using log directory: /var/log/inetsim/
Using data directory: /var/lib/inetsim/
Using report directory: /var/log/inetsim/report/
Using configuration file: /etc/inetsim/inetsim.conf
Parsing configuration file.
Configuration file parsed successfully.
=== INetSim main process started (PID 1819) ===
Session ID: 1819
Listening on: 0.0.0.0
Real Date/Time: 2024-09-08 07:48:01
Fake Date/Time: 2024-09-08 07:48:01 (Delta: 0 seconds)
Forking services...
* dns_53_tcp_udp - started (PID 1823)
* irc_6667_tcp - started (PID 1833)
* echo_7_tcp - started (PID 1842)
* finger_79_tcp - started (PID 1835)
* ident_113_tcp - started (PID 1836)
* https_443_tcp - started (PID 1825)
* discard_9_tcp - started (PID 1844)
To direct input to this VM, move the mouse pointer inside or press Ctrl+G.
Search
ENG
6:48 PM
9/8/2024



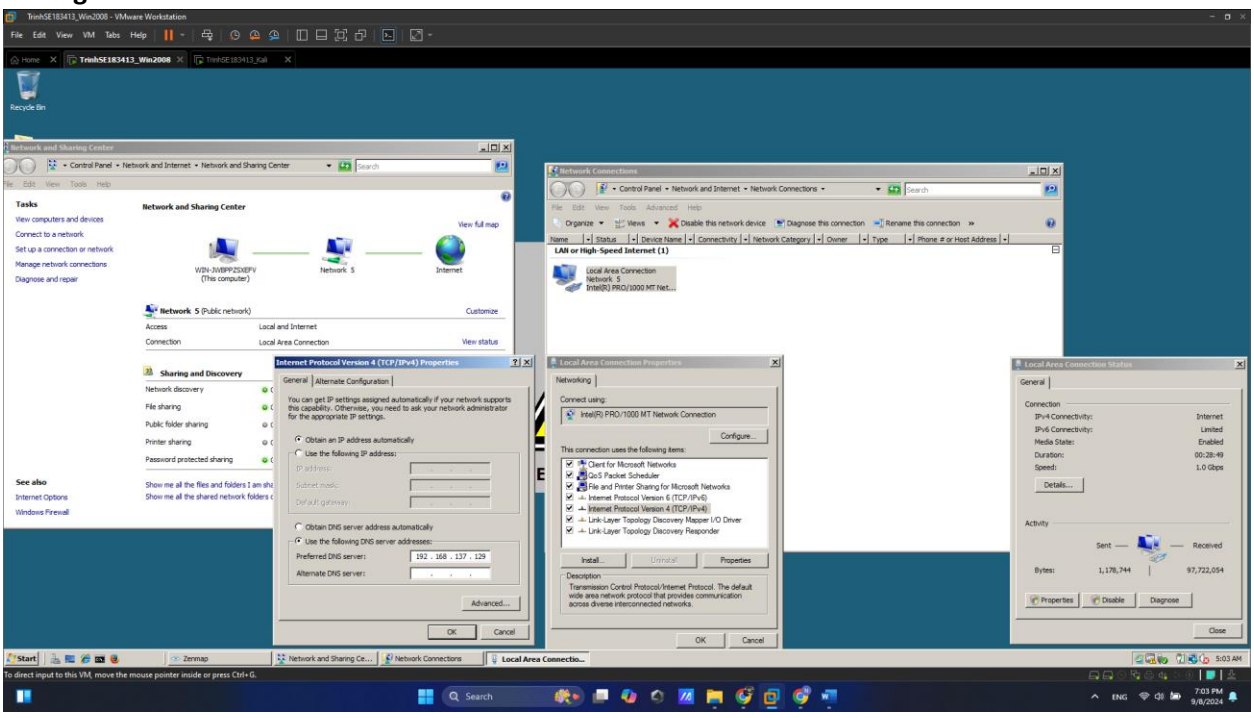
Start Your Windows VM



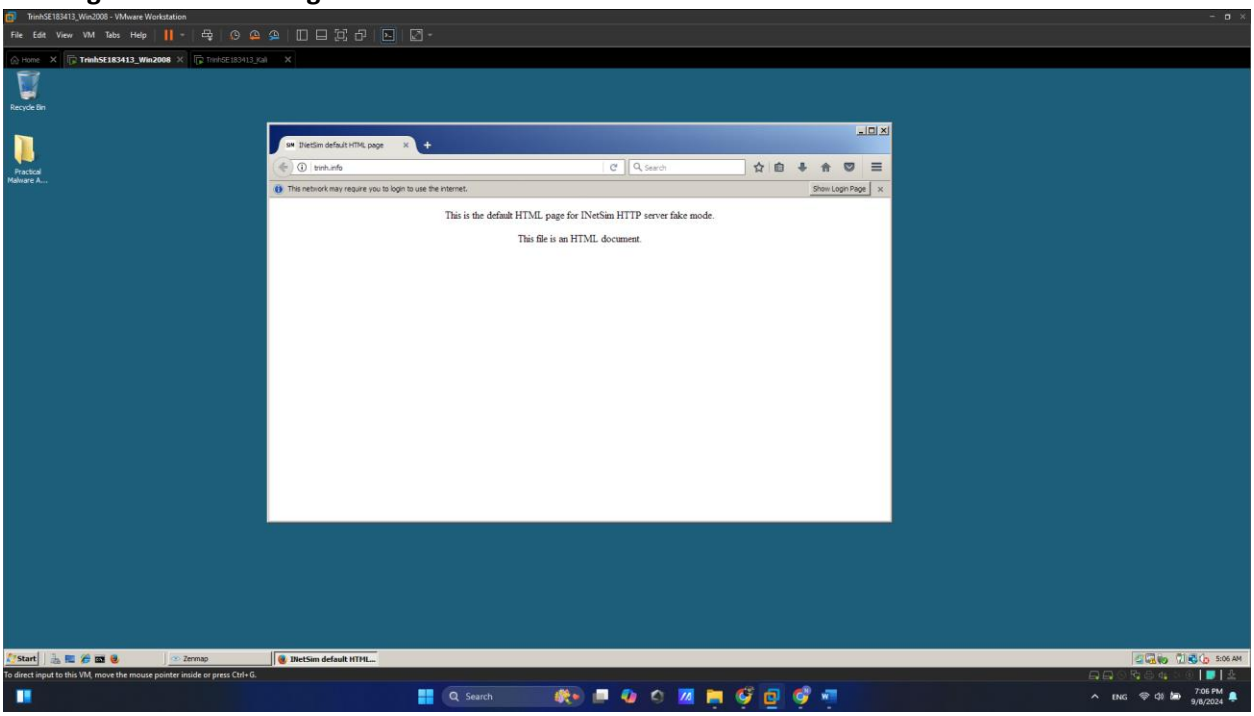
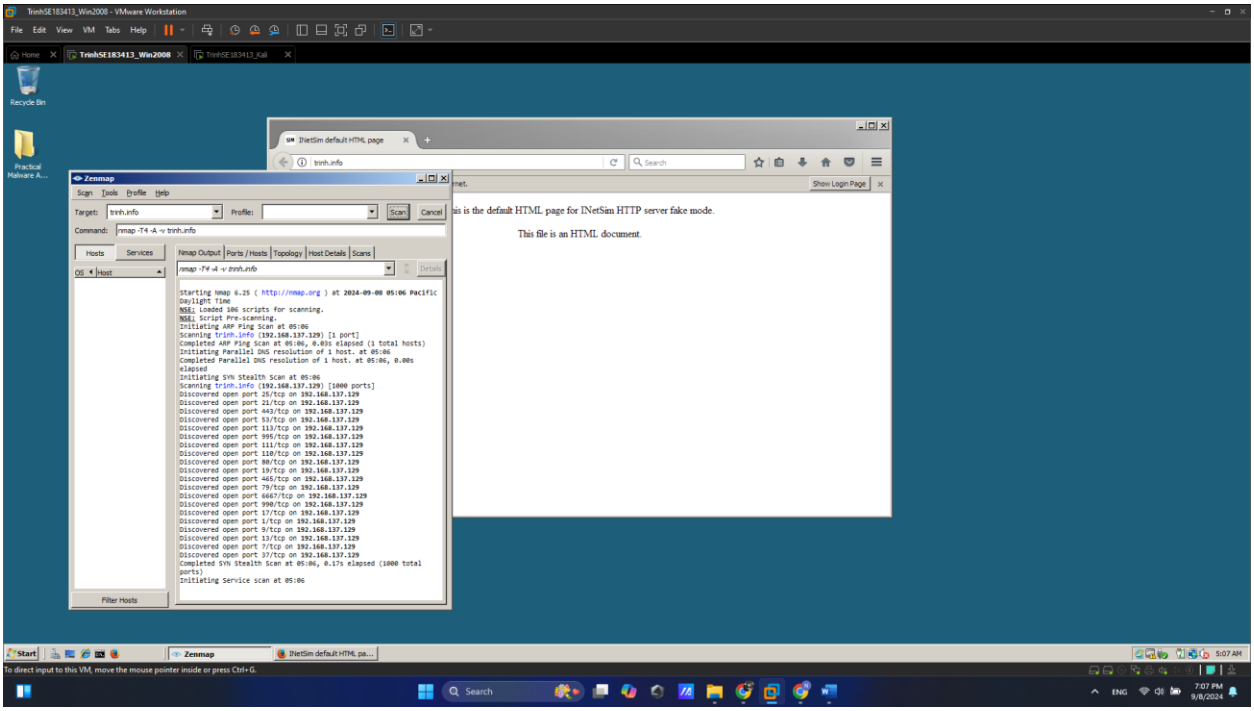
Installing Nmap



Setting the DNS Server



Viewing an HTTP Web Page



Scanning trinh.com