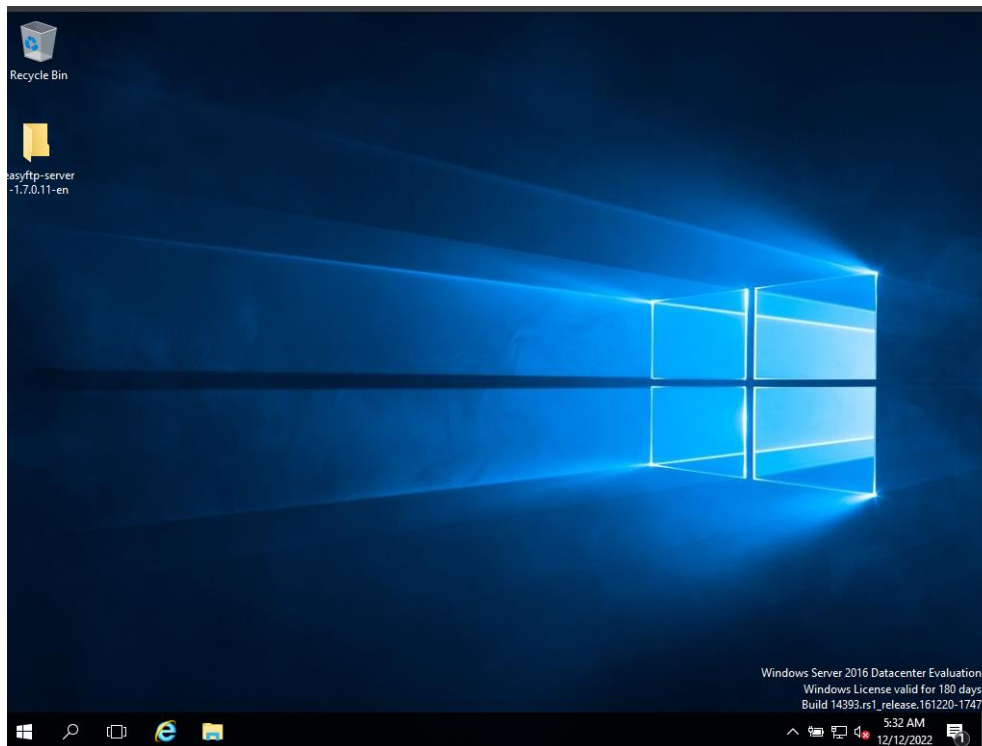


Lab 6 - Attacking Windows Servers, Part 1 Taking Control of a Server with Armitage

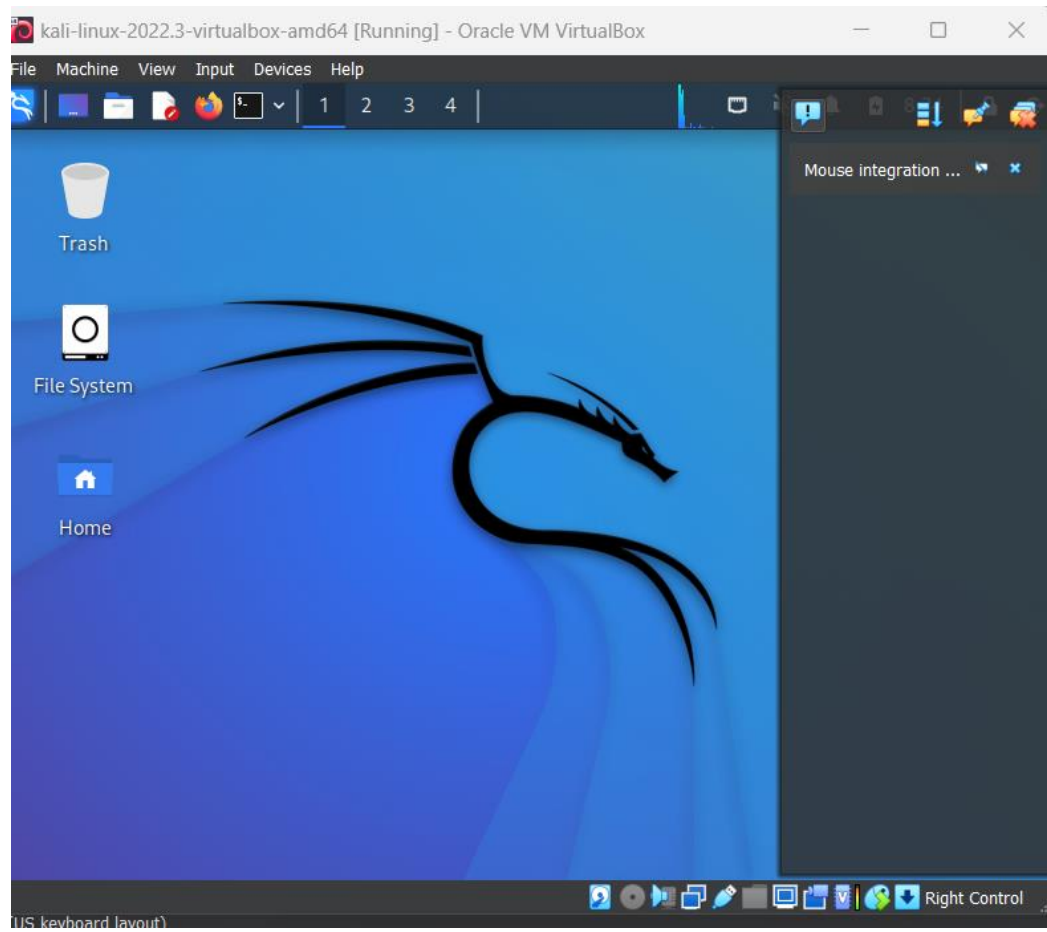
Name: Hamza Abdellah Ahmed

ID :18P7231

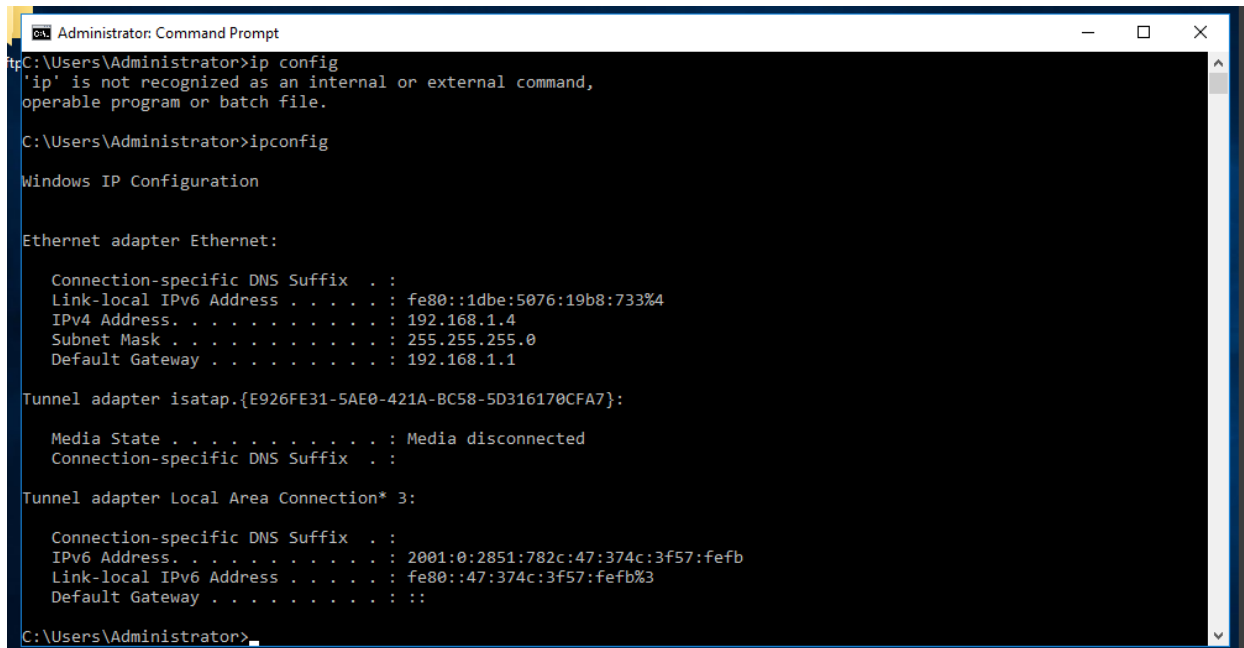
Shown are the VMs installed:



Kali Linux:



Windows Server:

A screenshot of a Windows Server Command Prompt window titled "Administrator: Command Prompt". The window shows the output of the 'ipconfig' command. The prompt is at the C:\Users\Administrator> directory. The output shows the configuration for three network adapters: Ethernet adapter Ethernet, Tunnel adapter isatap.{E926FE31-5AE0-421A-BC58-5D316170CFA7}, and Tunnel adapter Local Area Connection* 3. The Ethernet adapter is configured with IPv4 address 192.168.1.4, subnet mask 255.255.255.0, and default gateway 192.168.1.1. The other two adapters are either disconnected or have no IP configuration.

```
C:\Users\Administrator>ip config
'ip' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\Administrator>ipconfig

Windows IP Configuration

Ethernet adapter Ethernet:

    Connection-specific DNS Suffix  . : 
    Link-local IPv6 Address . . . . . : fe80::1dbe:5076:19b8:733%4
    IPv4 Address. . . . . : 192.168.1.4
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 192.168.1.1

Tunnel adapter isatap.{E926FE31-5AE0-421A-BC58-5D316170CFA7}:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . : 

Tunnel adapter Local Area Connection* 3:

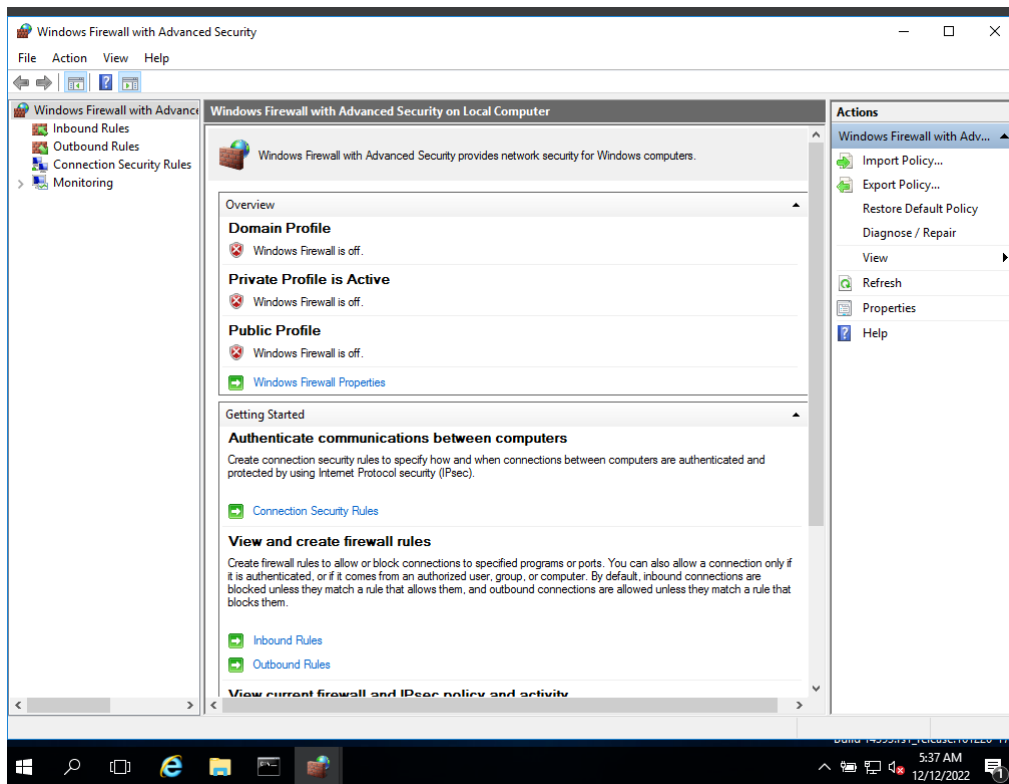
    Connection-specific DNS Suffix  . : 
    IPv6 Address. . . . . : 2001:0:2851:782c:47:374c:3f57:fefb
    Link-local IPv6 Address . . . . . : fe80::47:374c:3f57:fefb%3
    Default Gateway . . . . . : ::

C:\Users\Administrator>
```

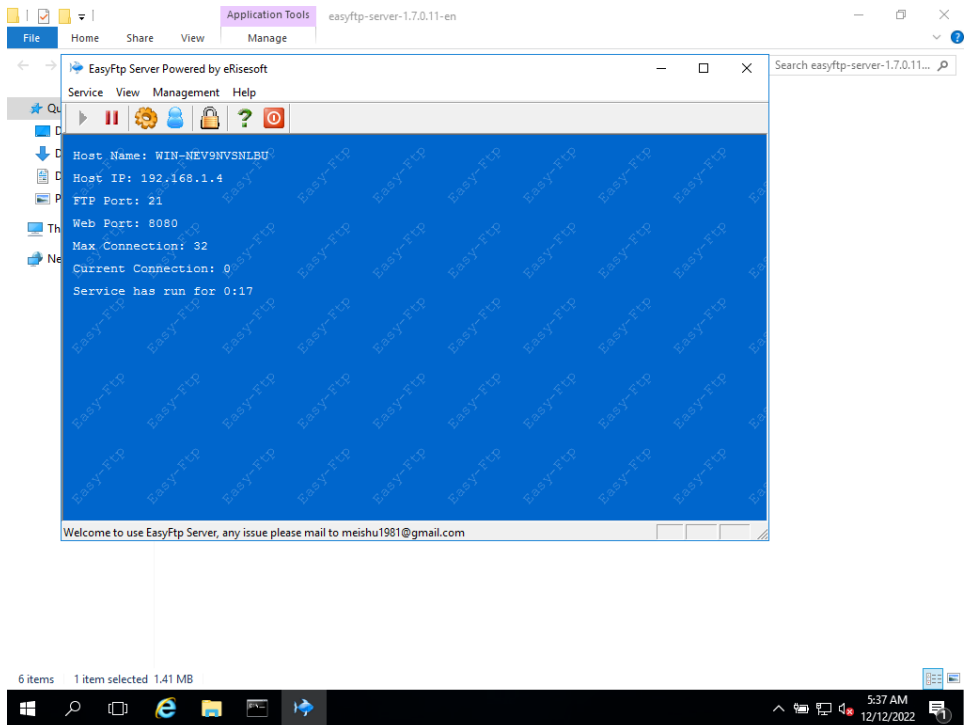
Kali Linux:

```
kali@kali: ~  
File Actions Edit View Help  
(kali@kali)-[~]  
$ ifconfig  
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500  
    inet 192.168.1.5 netmask 255.255.255.0 broadcast 192.168.1.255  
    inet6 fe80::fc25:db25:aaff:975c prefixlen 64 scopeid 0x20<link>  
    ether 08:00:27:22:46:4f txqueuelen 1000 (Ethernet)  
    RX packets 3 bytes 1770 (1.7 KiB)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 24 bytes 3672 (3.5 KiB)  
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536  
    inet 127.0.0.1 netmask 255.0.0.0  
    inet6 ::1 prefixlen 128 scopeid 0x10<host>  
    loop txqueuelen 1000 (Local Loopback)  
    RX packets 4 bytes 240 (240.0 B)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 4 bytes 240 (240.0 B)  
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
(kali@kali)-[~]  
$
```

Firewall off



Installing EasyFTP



The screenshot displays a Kali Linux desktop environment running inside an Oracle VM VirtualBox. The desktop background is blue with a large black dragon logo on the right. A terminal window is open, showing a netcat listener on port 1421. The terminal output is as follows:

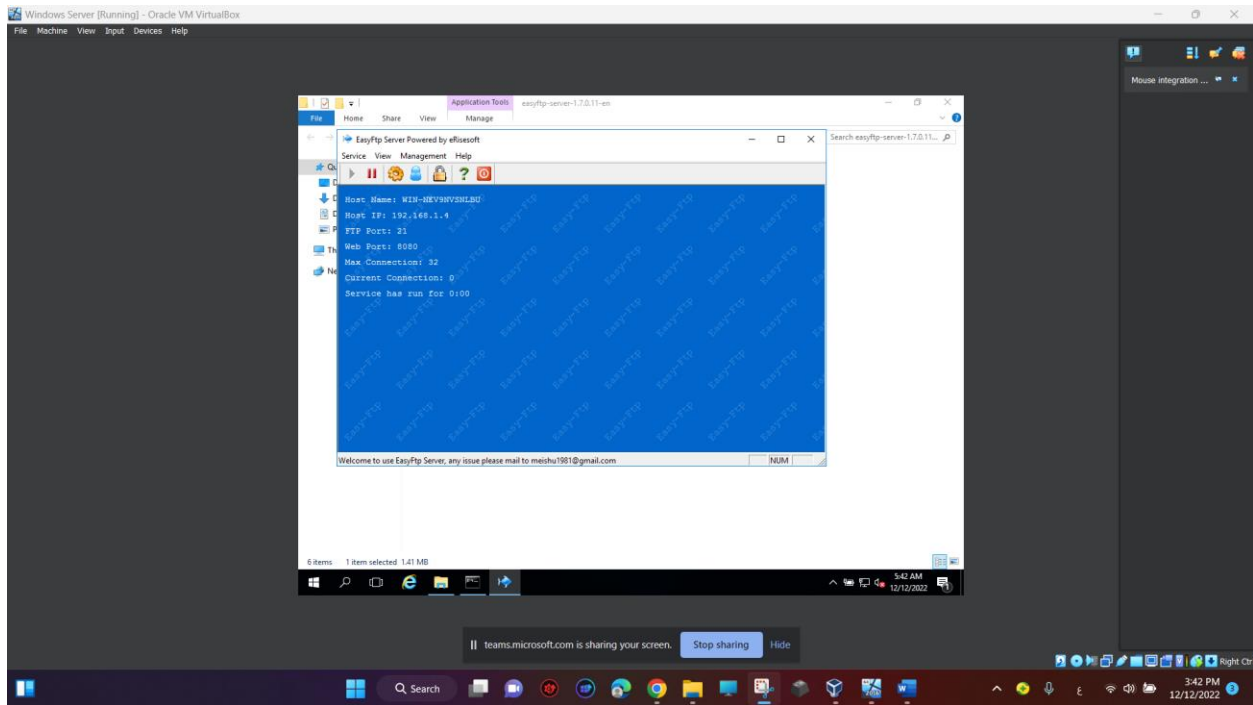
```

root@kali:~/home/kali
File Actions Edit View Help
root@kali:~/home/kali
nc 192.168.1.4
no port[s] to connect to
root@kali:~/home/kali
nc 192.168.1.4:21
192.168.1.4:21: forward host lookup failed: Unknown host
root@kali:~/home/kali
nc 192.168.1.4:21
192.168.1.4:21: forward host lookup failed: Unknown host
root@kali:~/home/kali
nc 192.168.1.4:8080
192.168.1.4:8080: forward host lookup failed: Unknown host
root@kali:~/home/kali

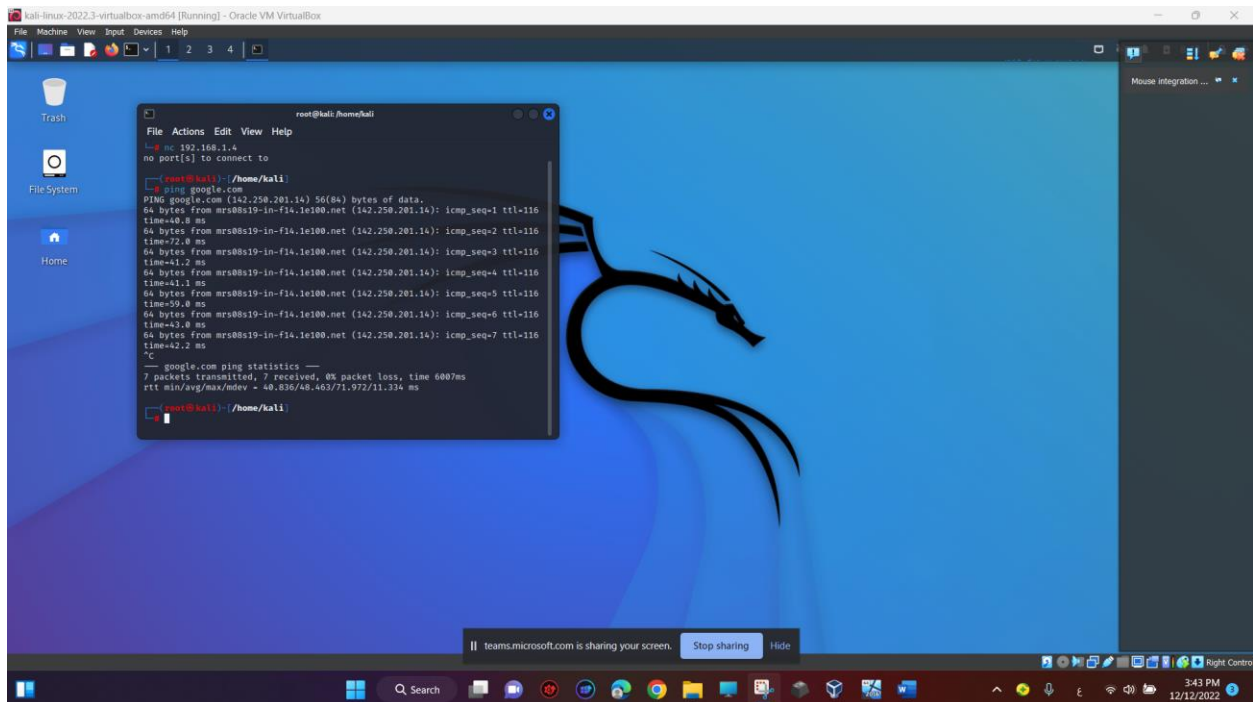
```

The taskbar at the bottom shows various application icons and the system clock indicating 3:41 PM on 12/12/2022. A notification bar at the bottom center states "teams.microsoft.com is sharing your screen." with buttons for "Stop sharing" and "Hide".

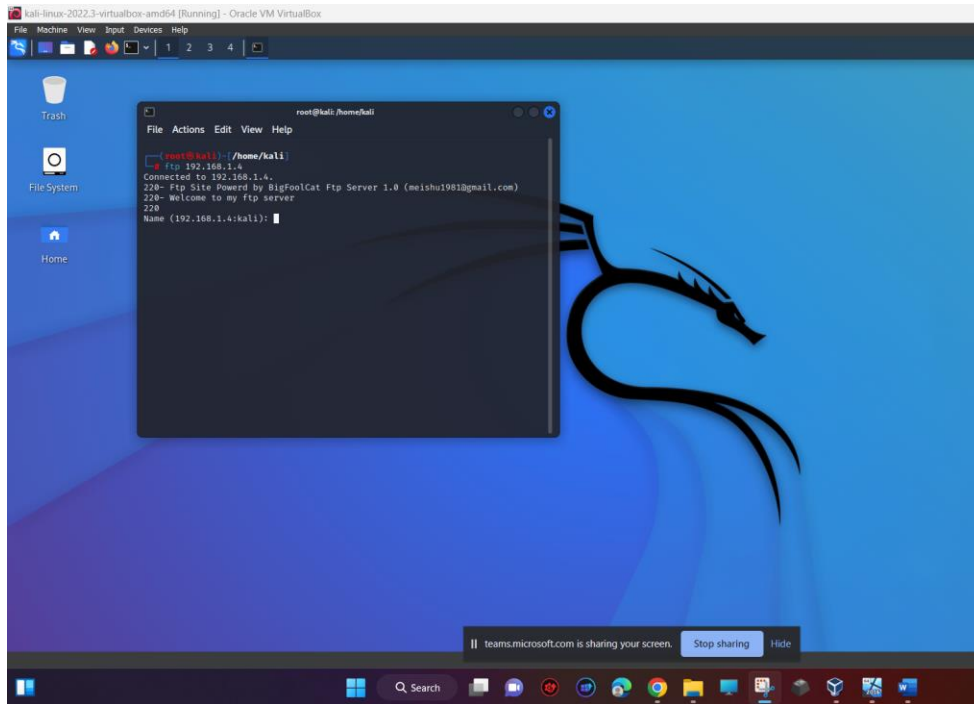
We will perform a restart of EasyFTP server and try again.



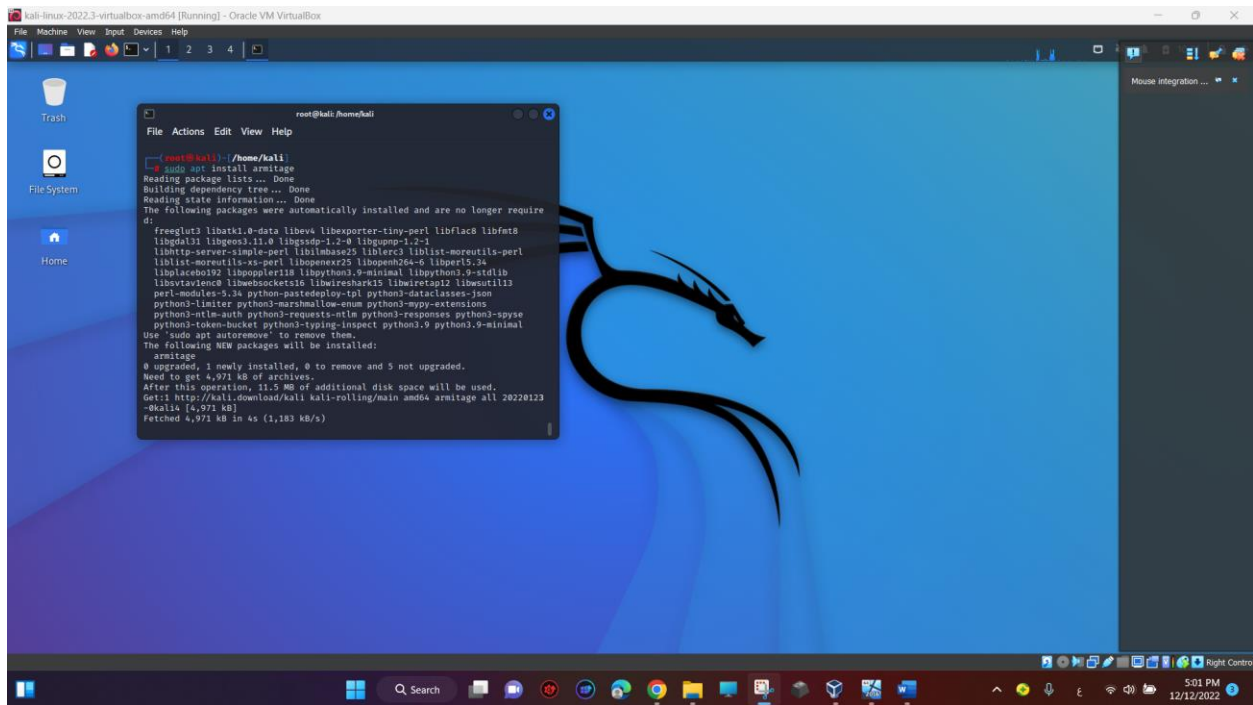
Testing nc 192.168.1.4 did not work again.



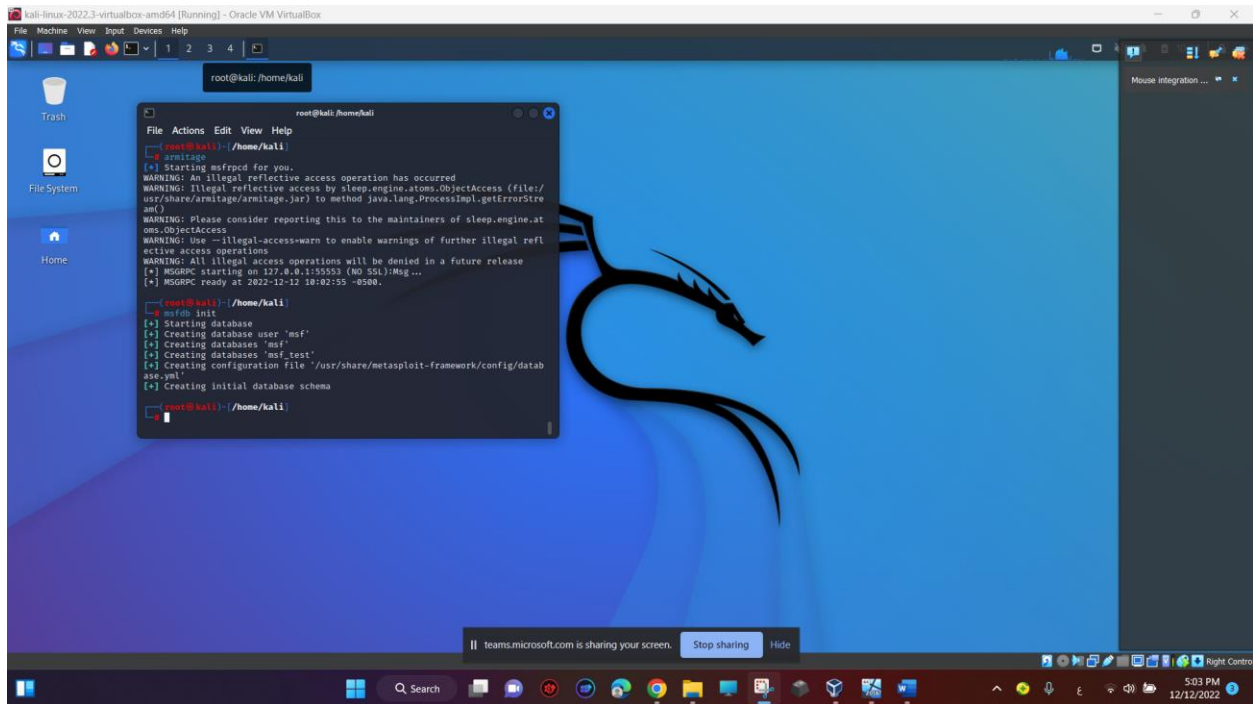
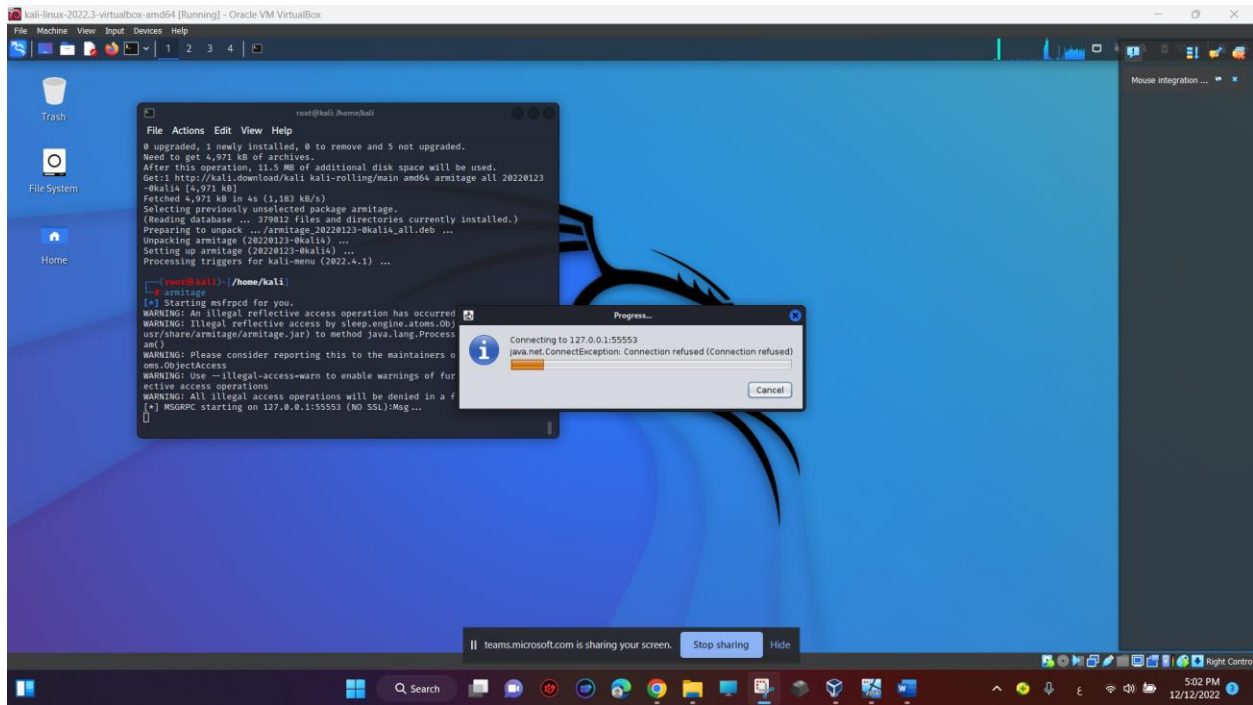
I tried different approach by using the command “ftp 192.168.1.89” instead of “nc 192.168.1.89” and it has successfully connected:



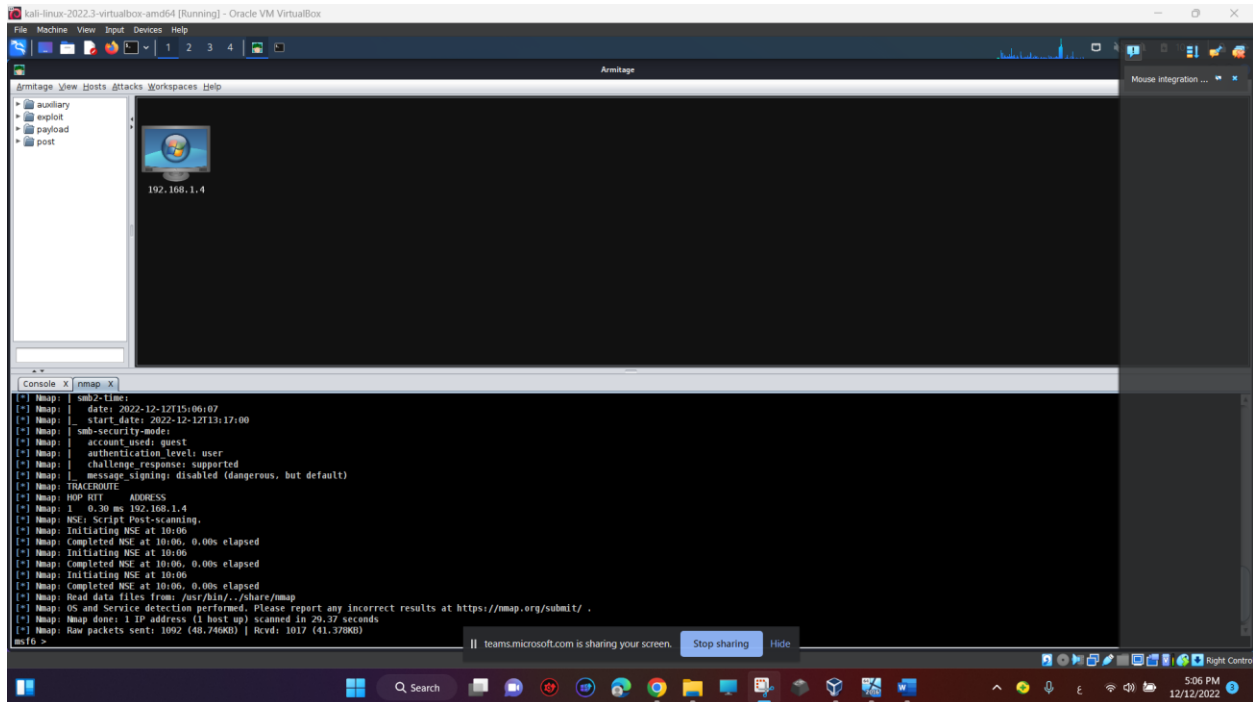
By default, Armitage was not installed



I installed it using “sudo apt install Armitage”

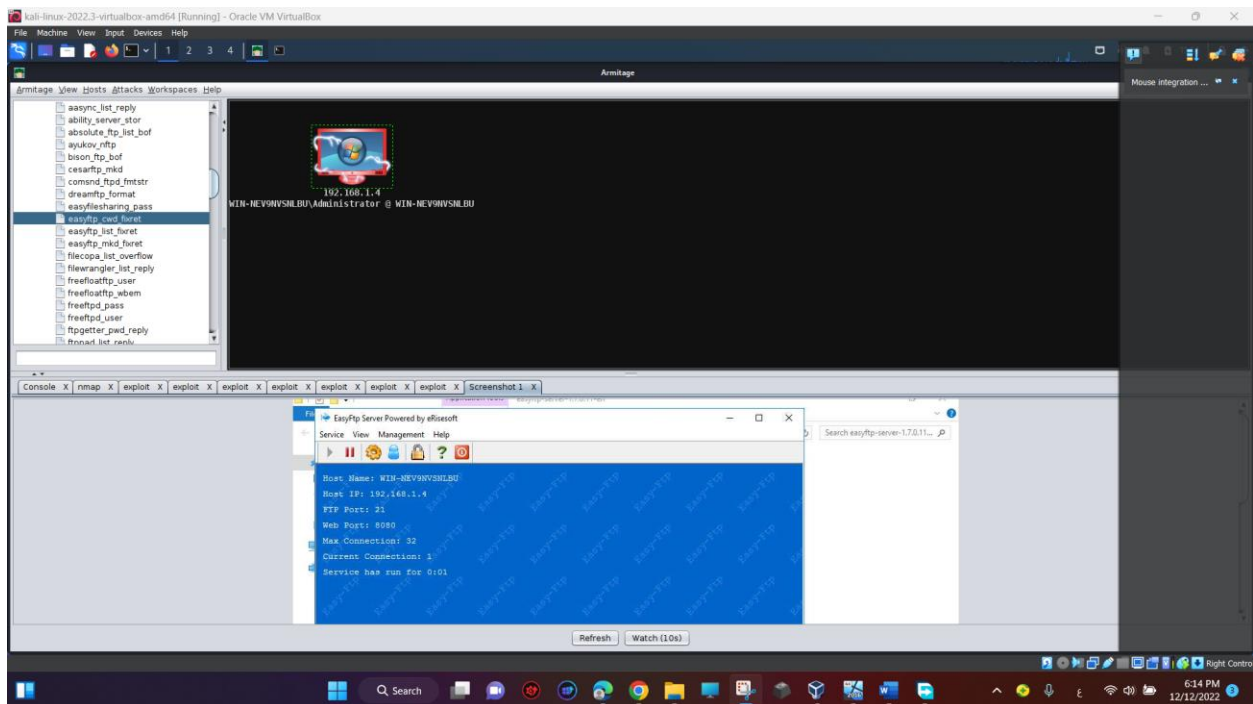


The target machine appears in the upper center part of the Armitage window, with a Windows logo on it:

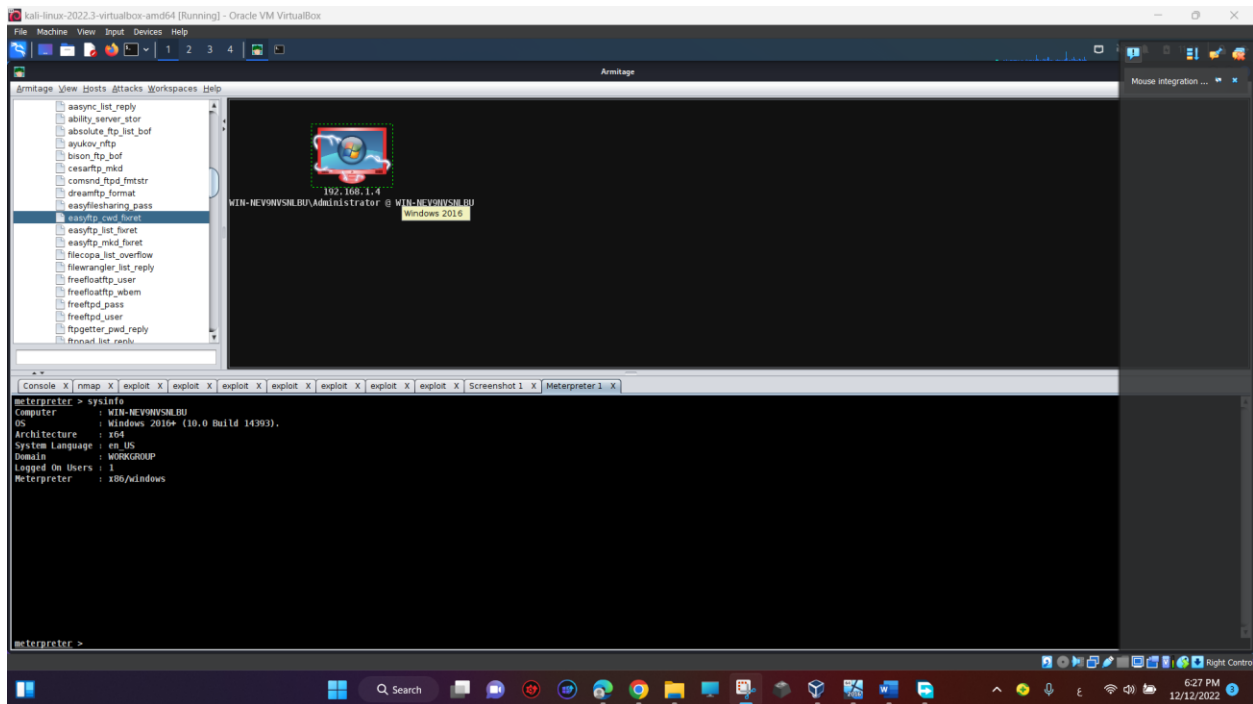


The Target machine's desktop appears in the lower pane of Armitage, as shown below.

The Target machine's desktop appears in the lower pane of Armitage, as shown below.



text that is covered by a gray box in the image below.



Describe the functionality of the Armitage Software

Armitage is a fantastic Java-based GUI front-end for the Metasploit Framework developed by Raphael Mudge. Its goal is to help security professionals better understand hacking and help them realize the power and potential of Metasploit