

APEX Planet Cyber security & Ethical Hacking Program

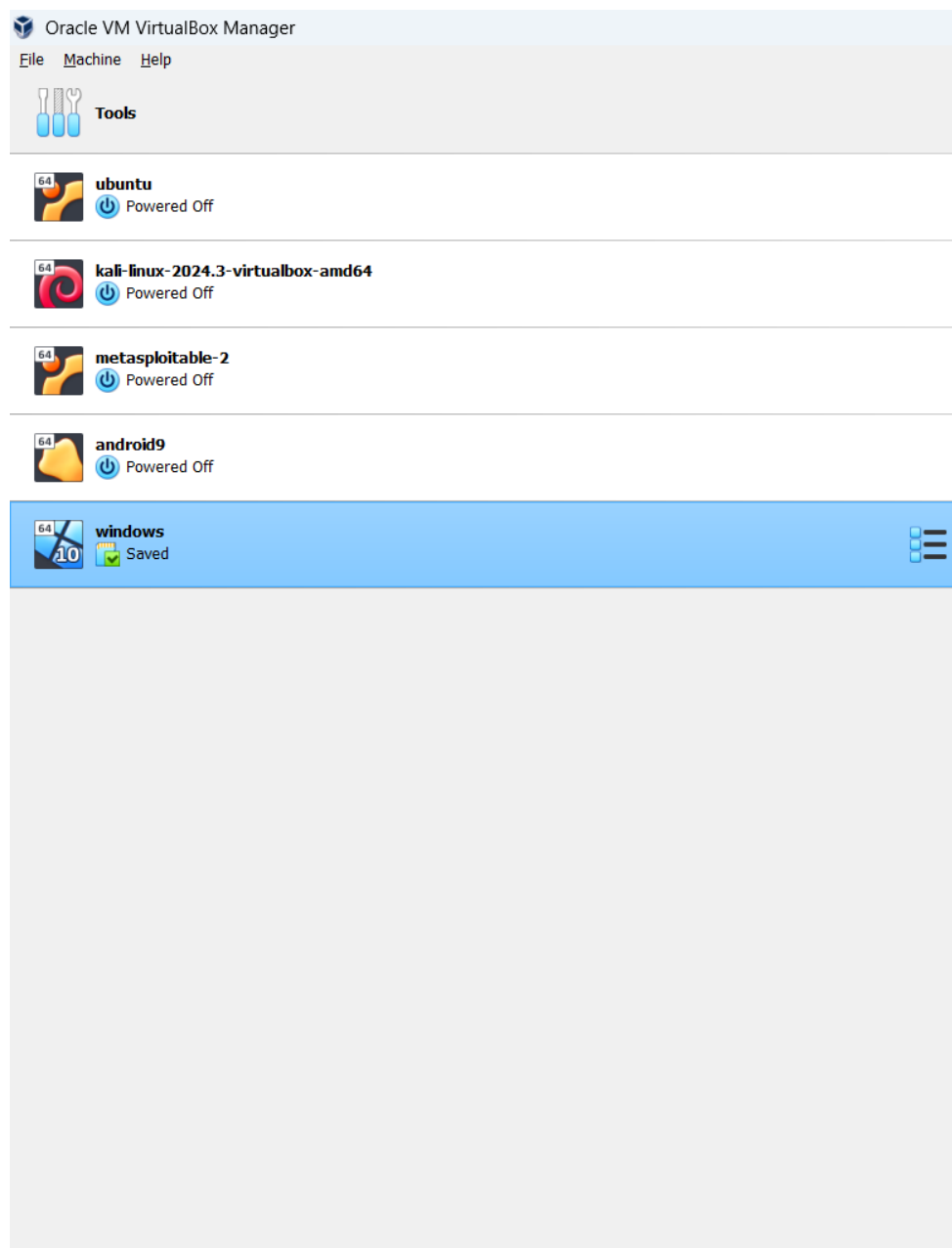
Lab Setup Report

Setting up an virtual environment for cybersecurity and ethical hacking program in Apex planet by using virtual box

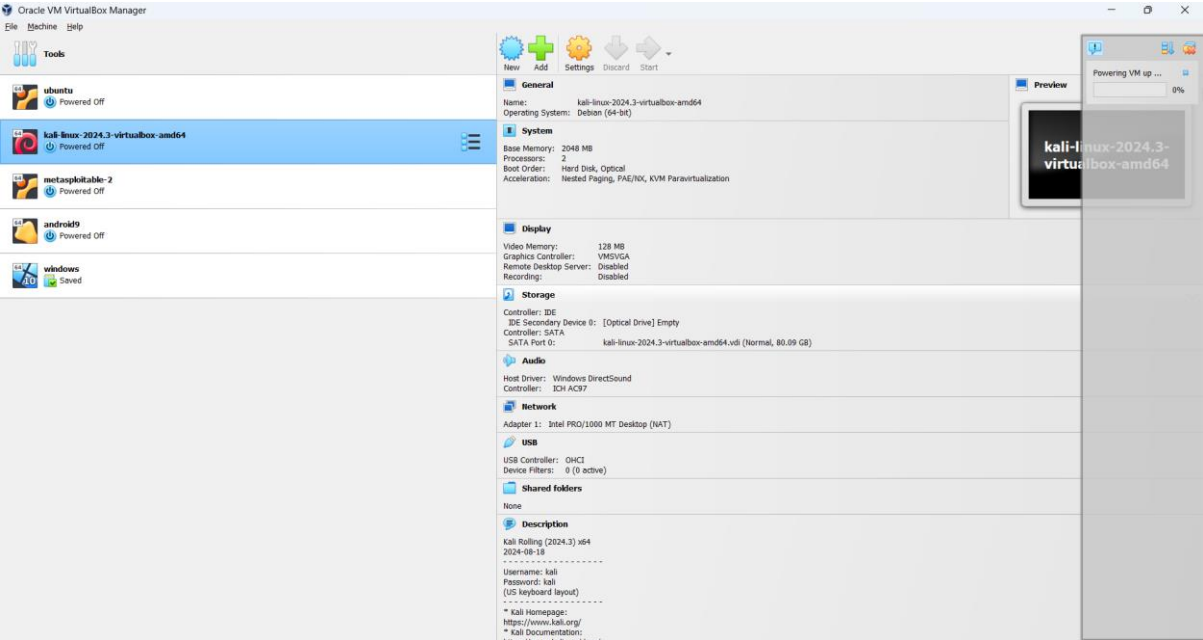
Attacker as Kali Linux

Target as Metasploitable

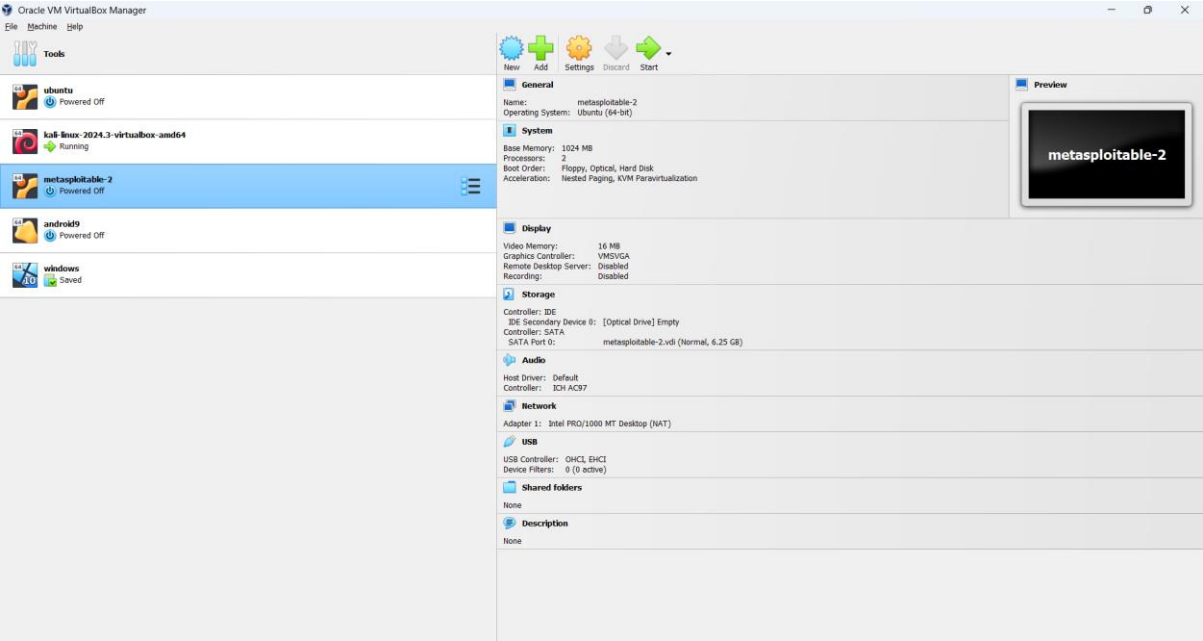
VM List Snapshot



Kali Linux VM Details (Attacker)



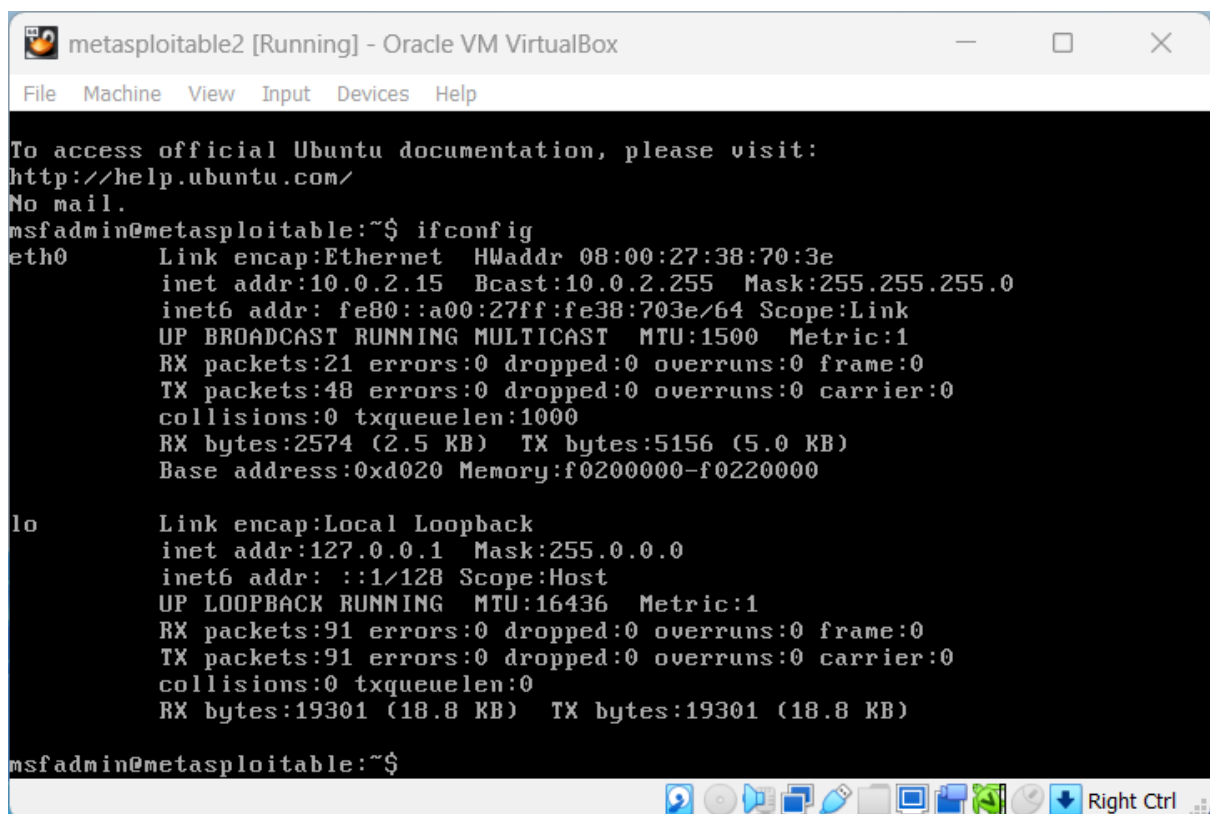
Metasploitable VM Details (Target)



Kali Desktop



Metasploitable Desktop & ifconfig



Kali ifconfig and ping

```
kali-linux-2024.3-virtualbox-amd64 [Running] - Oracle VM Virt...
File Machine View Input Devices Help
kali@kali: ~
File Actions Edit View Help
$ ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 10.0.2.15 netmask 255.255.255.0 broadcast 10.0.2.255
    inet6 fe80::e5d3:18e5:1c4b:4e30 prefixlen 64 scopeid 0<link>
    ether 08:00:27:ad:25:87 txqueuelen 1000 (Ethernet)
    RX packets 1 bytes 590 (590.0 B)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 23 bytes 3090 (3.0 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 0<host>
    loop txqueuelen 1000 (Local Loopback)
    RX packets 8 bytes 480 (480.0 B)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 8 bytes 480 (480.0 B)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

(kali@kali)-[~]
$ ping 10.0.2.15
PING 10.0.2.15 (10.0.2.15) 56(84) bytes of data.
```

```
kali-linux-2024.3-virtualbox-amd64 [Running] - Oracle VM Virt...
File Machine View Input Devices Help
kali@kali: ~
File Actions Edit View Help
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 8 bytes 480 (480.0 B)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

(kali@kali)-[~]
$ ping 10.0.2.15
PING 10.0.2.15 (10.0.2.15) 56(84) bytes of data.
64 bytes from 10.0.2.15: icmp_seq=1 ttl=64 time=0.030 ms
64 bytes from 10.0.2.15: icmp_seq=2 ttl=64 time=0.038 ms
64 bytes from 10.0.2.15: icmp_seq=3 ttl=64 time=0.032 ms
64 bytes from 10.0.2.15: icmp_seq=4 ttl=64 time=0.030 ms
64 bytes from 10.0.2.15: icmp_seq=5 ttl=64 time=0.057 ms
64 bytes from 10.0.2.15: icmp_seq=6 ttl=64 time=0.030 ms
64 bytes from 10.0.2.15: icmp_seq=7 ttl=64 time=0.091 ms
64 bytes from 10.0.2.15: icmp_seq=8 ttl=64 time=0.049 ms
^C
— 10.0.2.15 ping statistics —
8 packets transmitted, 8 received, 0% packet loss, time 7158ms
rtt min/avg/max/mdev = 0.030/0.044/0.091/0.019 ms

(kali@kali)-[~]
$
```