Metasploitable VM Optional



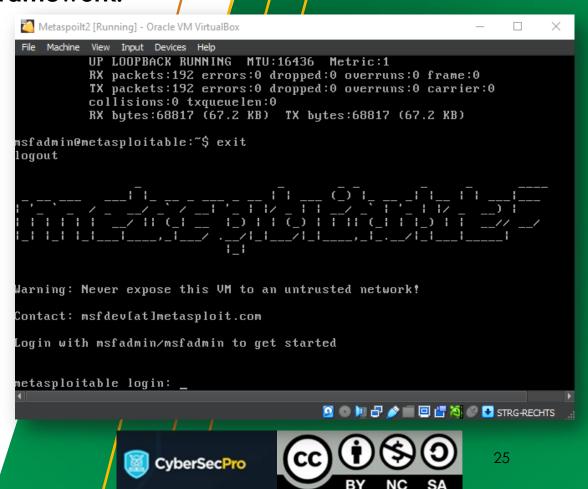


What is Metasploitable?

The world's most widely used penetration testing framework.

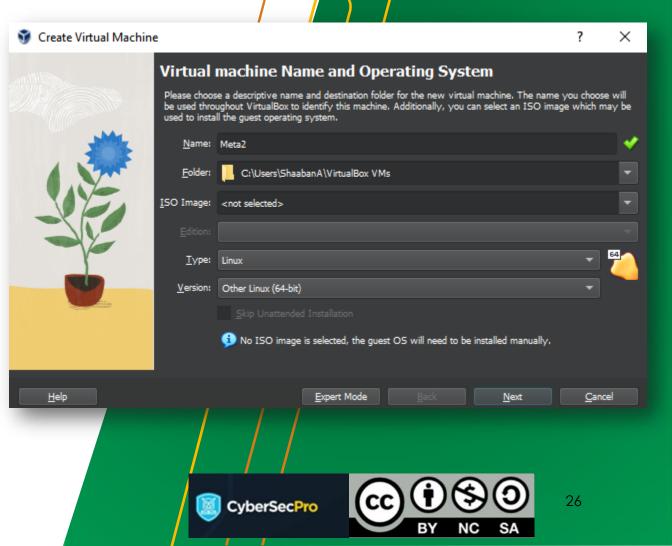
You can download it from the following link.

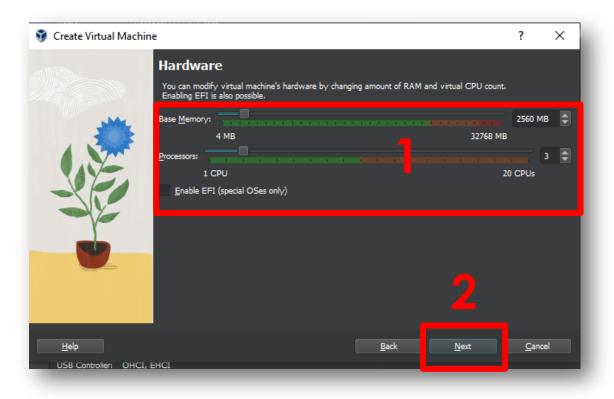
Metasploitable 2 | Metasploit Documentation (rapid7.com)

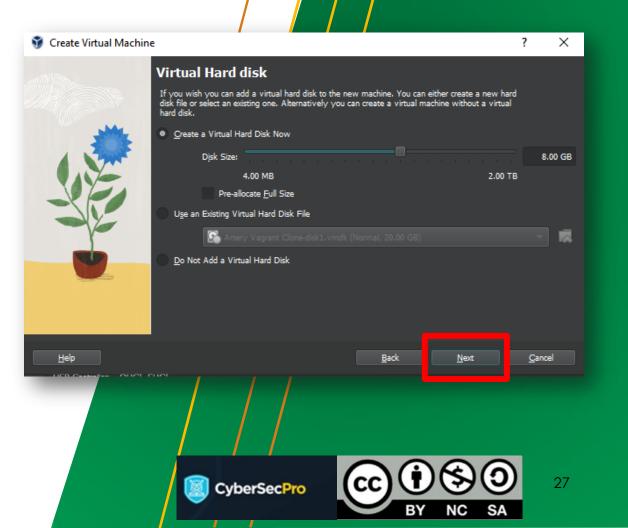


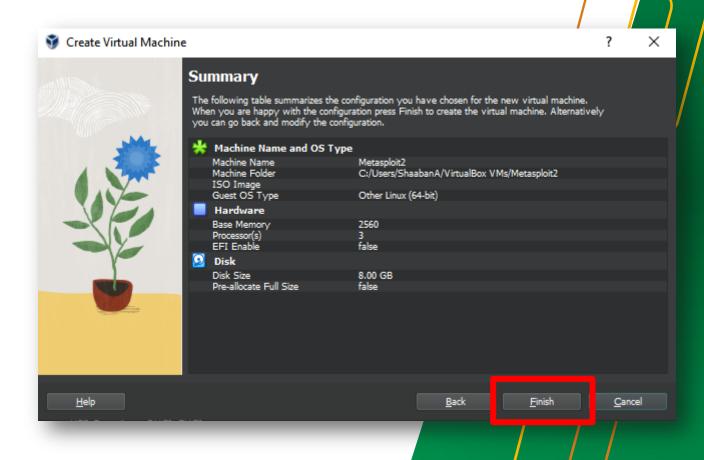
Abdelkader Shaaban

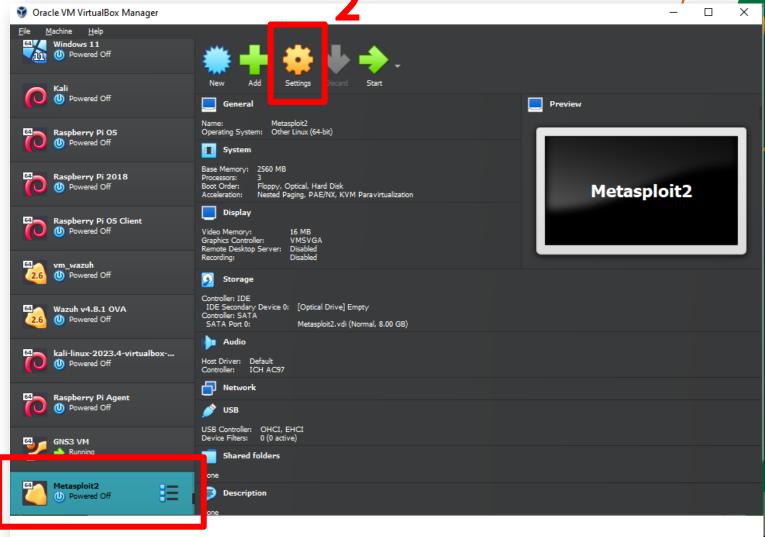


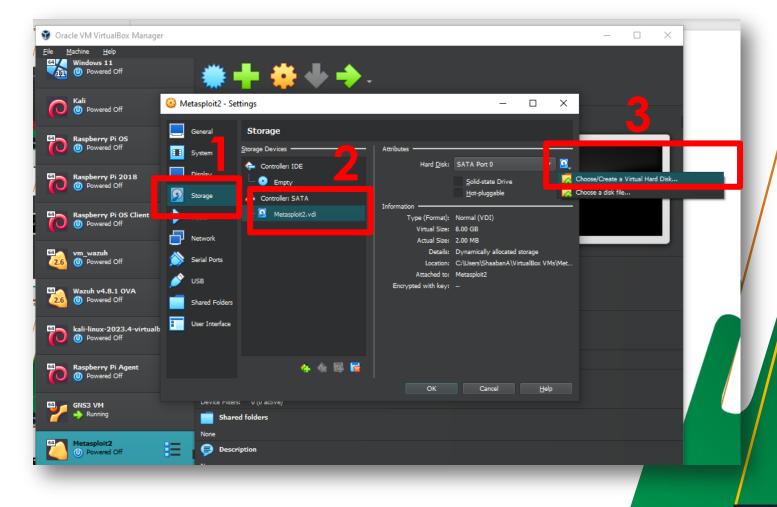




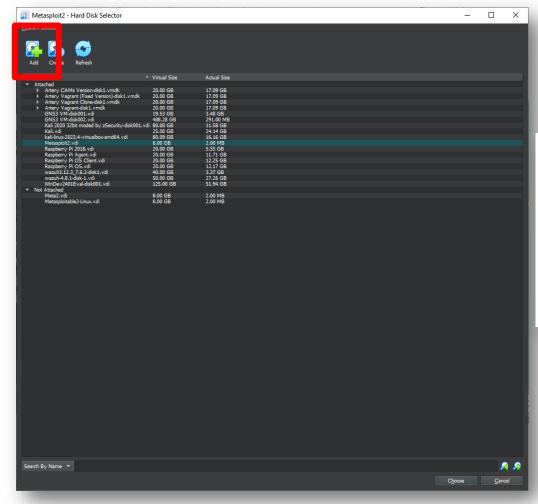






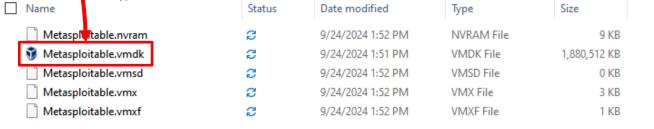


Add the Metasploitable VM file that you downloaded.



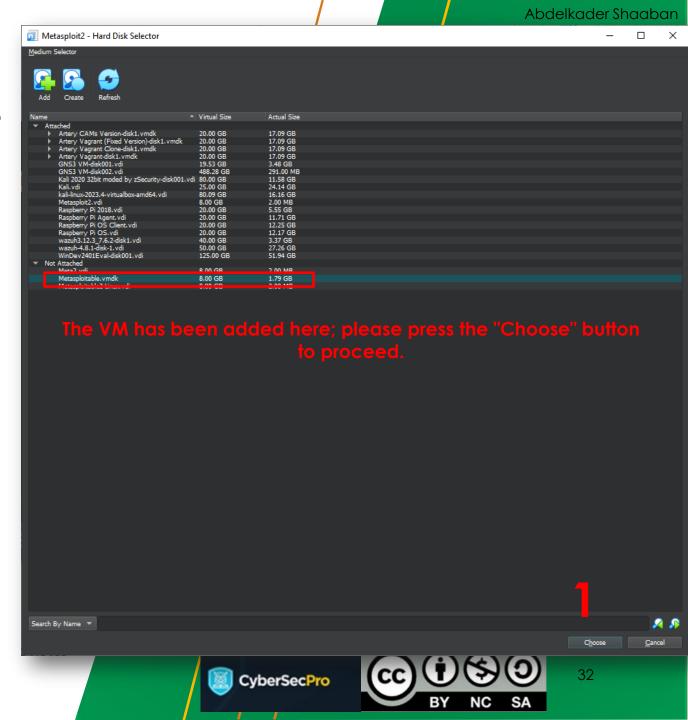
Select this file

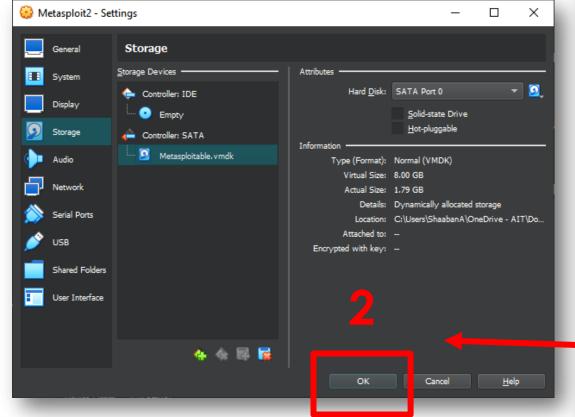
Here are the contents of the Metasploit ZIP file.

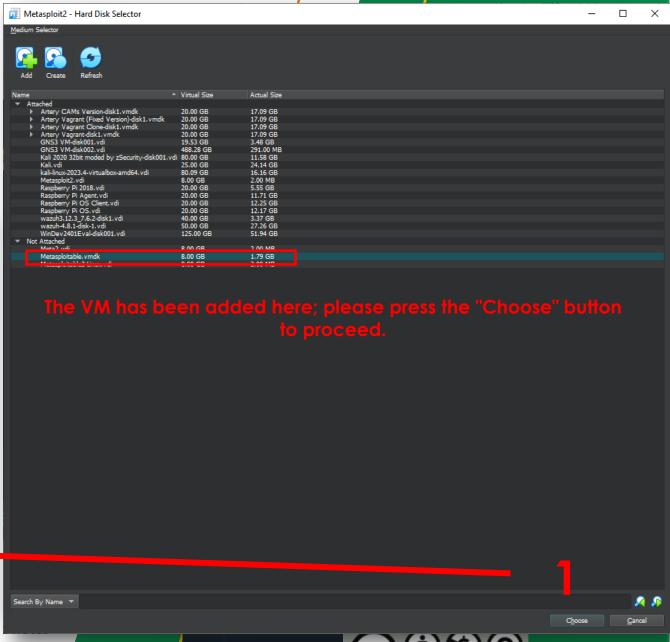


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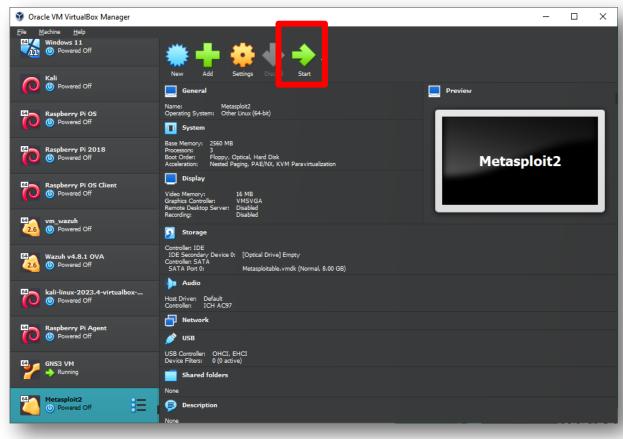


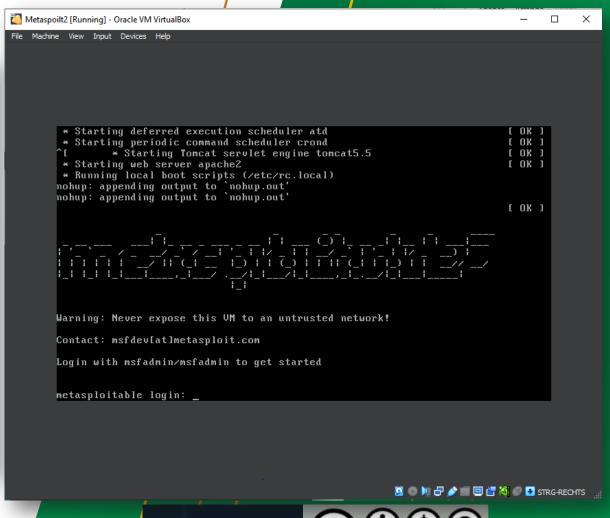


Starting the Metasploitable VM

The Metasploit VM is now running successfully on your computer.

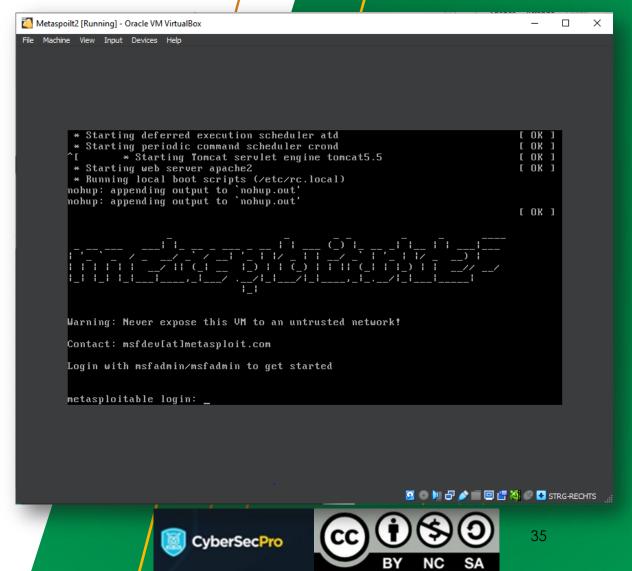






Starting the Metasploitable VM

Login: msfadmin Password: msfadmin



Lab's Network Landscape





Network IPs

- To ensure the lab is set up correctly, it is important to verify the connectivity of each machine used in the lab.
- Use the ifconfig command on the Linux devices to know more about the network configuration

Kali – Attaker

```
/bin/bash
 h0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
      inet 192.168.122.27 netmask 255.255.25.0 broadcast 192.168.122.255
      inet6 fe80::a00:27ff:fe27:298c prefixlen 64 scopeid 0x20<link>
      ether 08:00:27:27:29:8c txqueuelen 1000 (Ethernet)
      RX packets 1412 bytes 1245968 (1.1 MiB)
      RX errors 0 dropped 0 overruns 0 frame 0
      TX packets 647 bytes 67284 (65.7 KiB)
      TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
  flags=73<UP,LOOPBACK,RUNNING> mtu 65536
      inet6 ::1 prefixlen 128 scopeid 0x10<host>
      loop txqueuelen 1000 (Local Loopback)
      RX packets 18 bytes 1038 (1.0 KiB)
      RX errors 0 dropped 0 overruns 0 frame 0
      TX packets 18 bytes 1038 (1.0 KiB)
      TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
oot@kali:~#
```

Admin

```
File Edit Tabs Help
 @raspberry:~ $ ifconfig
h0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
       inet 192.168.122.103 netmask 255.255.255.0 broadcast 192.168.122.255
       inet6 fe80::462b:9e2d:1720:4d77 prefixlen 64 scopeid 0x20<link>
       ether 08:00:27:30:20:e0 txqueuelen 1000 (Ethernet)
       RX packets 559 bytes 46092 (45.0 KiB)
       RX errors 0 dropped 0 overruns 0 frame 0
       TX packets 271 bytes 27410 (26.7 KiB)
       TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
   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 0 bytes 0 (0.0 B)
       RX errors 0 dropped 0 overruns 0 frame 0
       TX packets 0 bytes 0 (0.0 B)
       TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
oi@raspberry:~ $
```

Victim

192.168.122.27

192.168.122.109

192.168.122.103

Connectivity Check

- Now we have the IPs of the network devices, be sure that all devi ϕ es can reach each other.
- Use the ping <destination IP-address> to test the successful establishment of the network.

Victim

Get ready—we will get on more exciting cybersecurity activities together!

If you have any questions, please feel free to reach out to me at:

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