

INFRASTRUCTURE SETUP MODULE - 2



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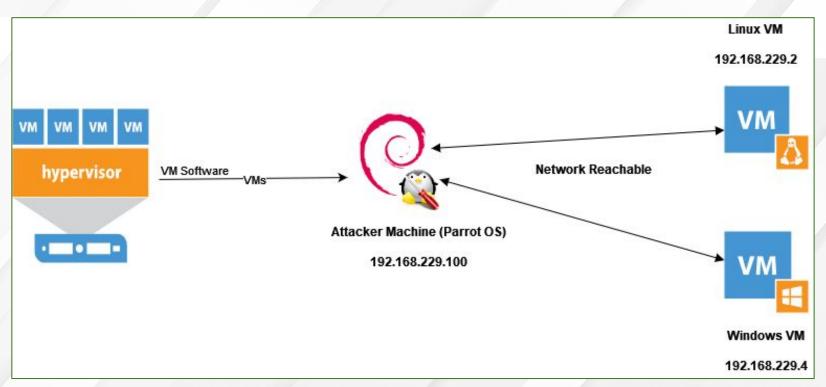
2. INFRASTRUCTURE SETUP



Lab 1 : <u>Setup Virtual Environment as per</u> <u>platform</u>



2.1 Lab Architecture Overview



INFO: 8 GB RAM with 512GB HDD / SSD would be good. We will not be running all the machines simultaneously



Lab 2: <u>Download ISOs & Installation</u>



- Parrot OS [https://www.parrotsec.org/download/]
- Windows 10 Evaluation
 [https://www.microsoft.com/en-in/evalcenter/download-windows-10-e
 nterprise
]
- Metasploitable Machine [https://sourceforge.net/projects/metasploitable/files/Metasploitable2/ metasploitable-linux-2.0.0.zip/download]

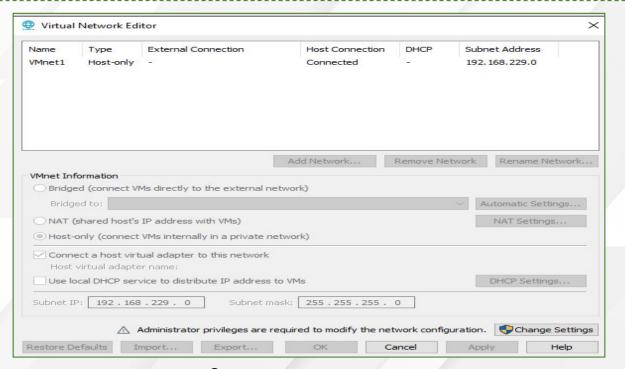


Lab 3: Lab Network Configuration



Step 1: Network Configuration in workstation

Create Network Adapter in VMWare Workstation with the IP Range (int n/w): 192.168.229.0/24



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Lab 4: Configure IP Address in Machines



Step 2: Parrot OS Setup

Add 2 adapters - Bridge Network & int n/w [192.168.229.100]

Make sure that there is an active internet with bridge network and internal network connectivity.

Step 3: Metasploitable Network Configuration

Add 1 adapter - int n/w [192.168.229.2]

Set the static IP address by editing in the following file "/etc/network/interfaces"





> Restart the Network Service & check static IP allotment

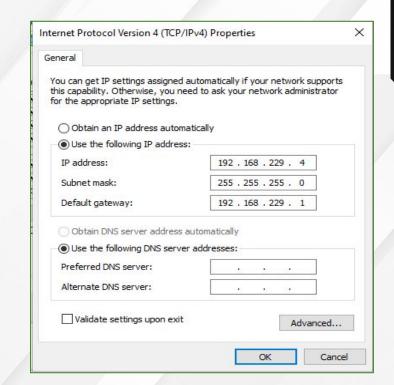


Step 4: Windows 10 network configuration Setup

Add 1 adapter - int n/w [192.168.229.4]

Login as "**Local Administrator**" and open the following settings:

Control Panel > Network and Internet >
Network and Sharing Center >
ethernet0 > Properties
Set the following IP address:





Check the IP address:

```
C:\Users\employee>ipconfig

Windows IP Configuration

Ethernet adapter Ethernet0:

Connection-specific DNS Suffix .:
Link-local IPv6 Address . . . . : fe80::709f:56df:adaa:1205%12
IPv4 Address . . . . . . : 192.168.229.4
Subnet Mask . . . . . . . . : 255.255.255.0
Default Gateway . . . . . : 192.168.229.1
```

NOTE: Make sure that we can ping "Metasploitable 2" & Parrot OS

```
C:\Users\employee>ping 192.168.229.10

Pinging 192.168.229.10 with 32 bytes of data:
Reply from 192.168.229.10: bytes=32 time<1ms TTL=64
Ping statistics for 192.168.229.10:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms</pre>
```



Check the following:

- Network Connectivity between every machines
- Internet Connectivity in Parrot OS
- Windows Host Firewall will be enabled restricting accessibility. Turn it

"OFF" for the sake of the next exercises.



Thank You

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