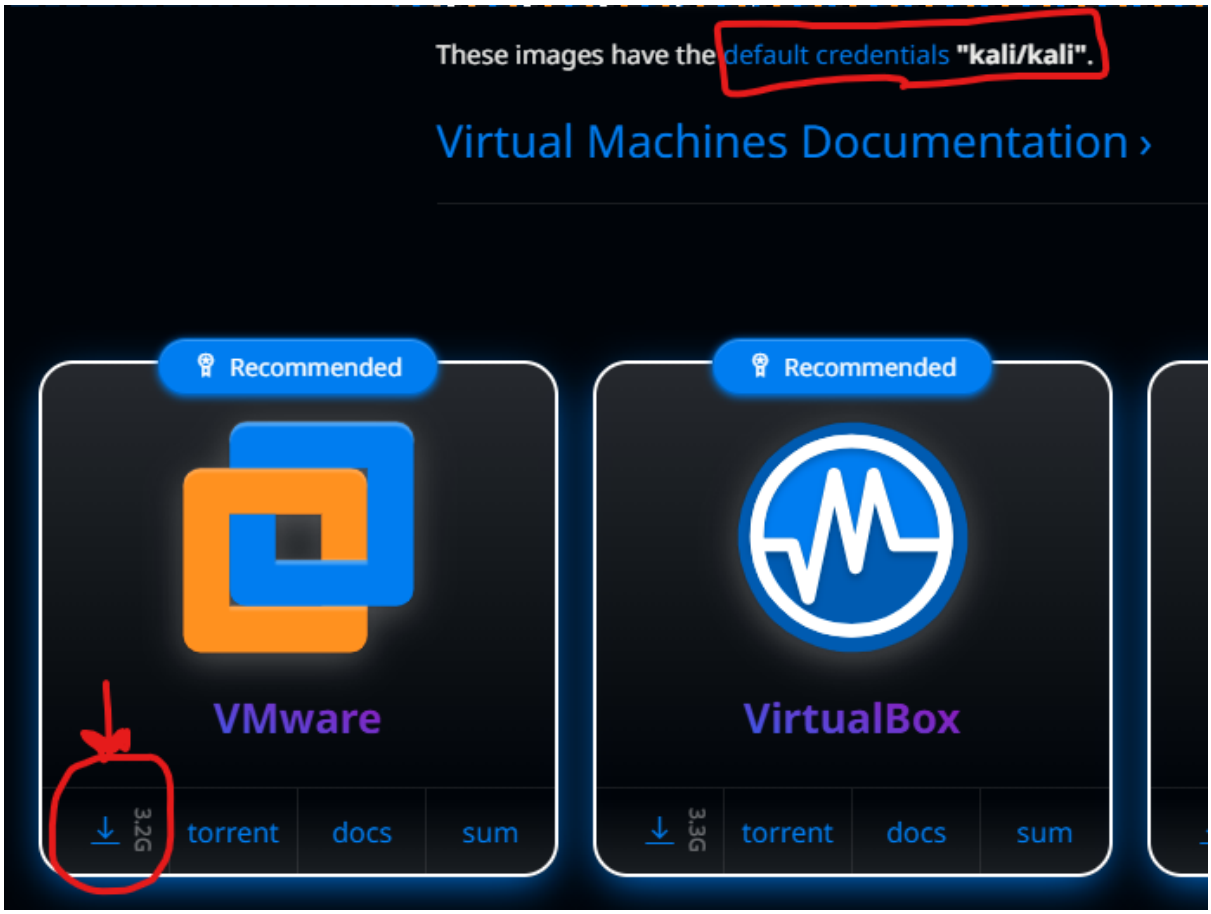
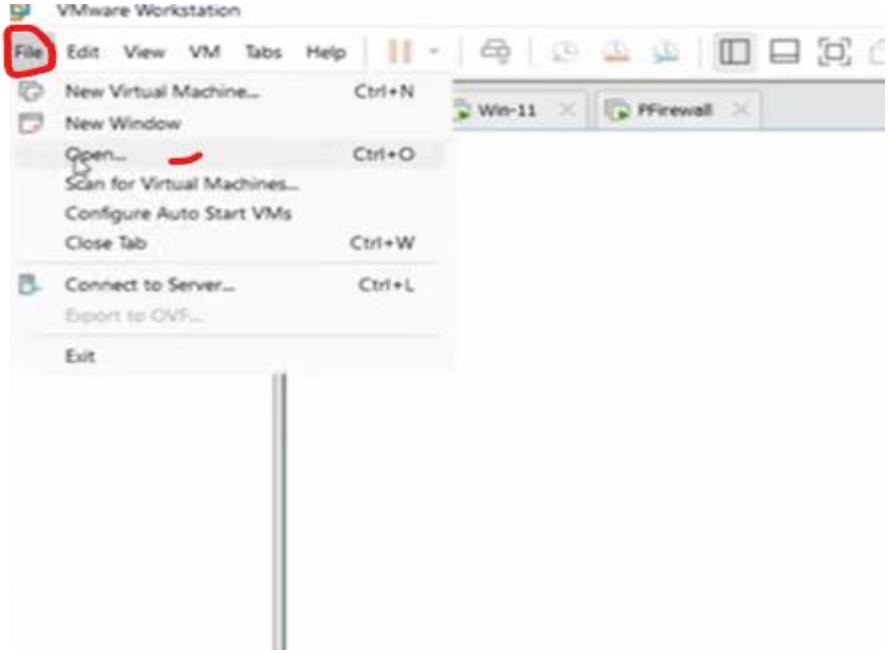
Install configure Kali Linux

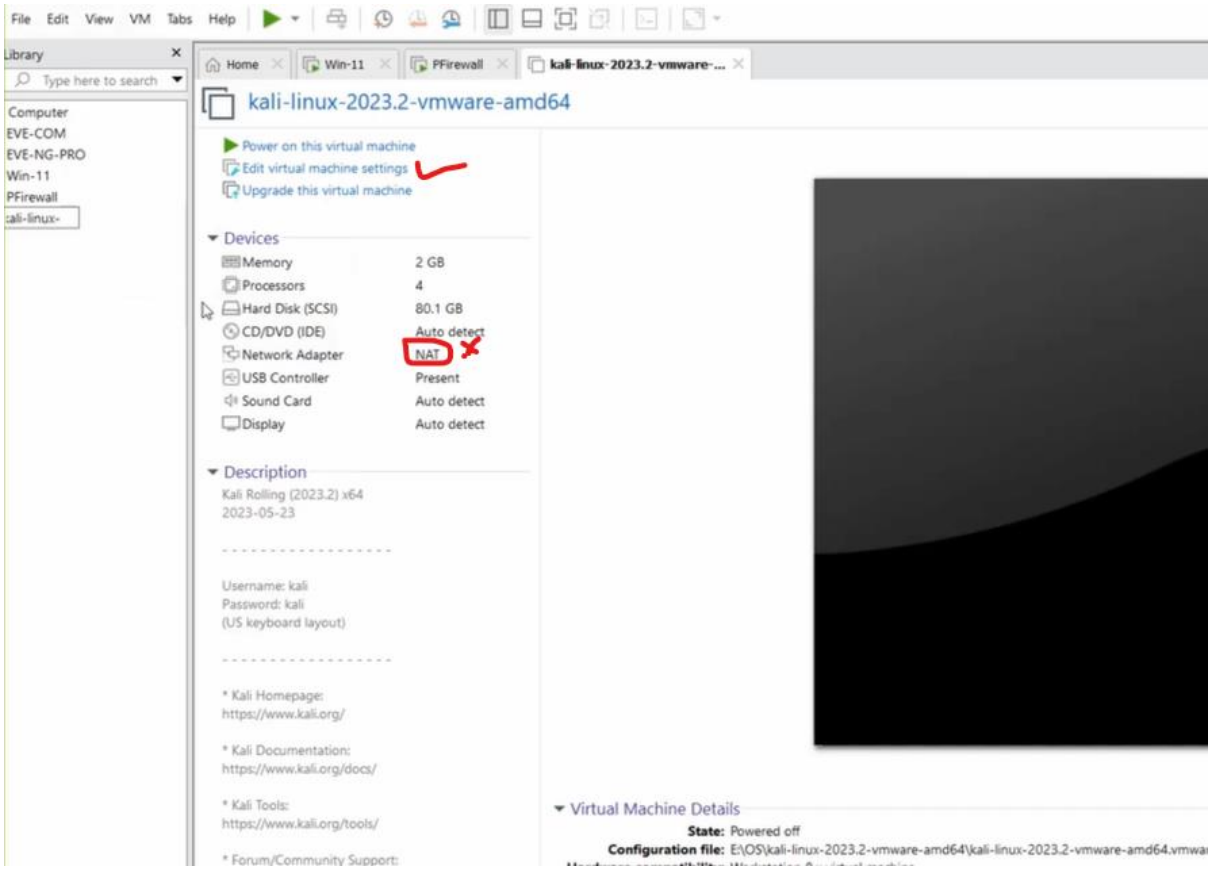
Download the latest kali linux from kali.org website, the link is given below:

https://www.kali.org/get-kali/#kali-virtual-machines



- Download that file.
- It is zip file, so first unzip it where you want to place it.
- Unzip is complete, no need any installation.
- Then go to the VMware workstation and hit to open new virtual machine.
- It automatically open their and rename it if you want.
- The one thing that is necessary is that you will change the vmware adapter, for this purpose go to settings and click vmware adapter and set it to custom and select the vmware adapter 4 as per lab setup.

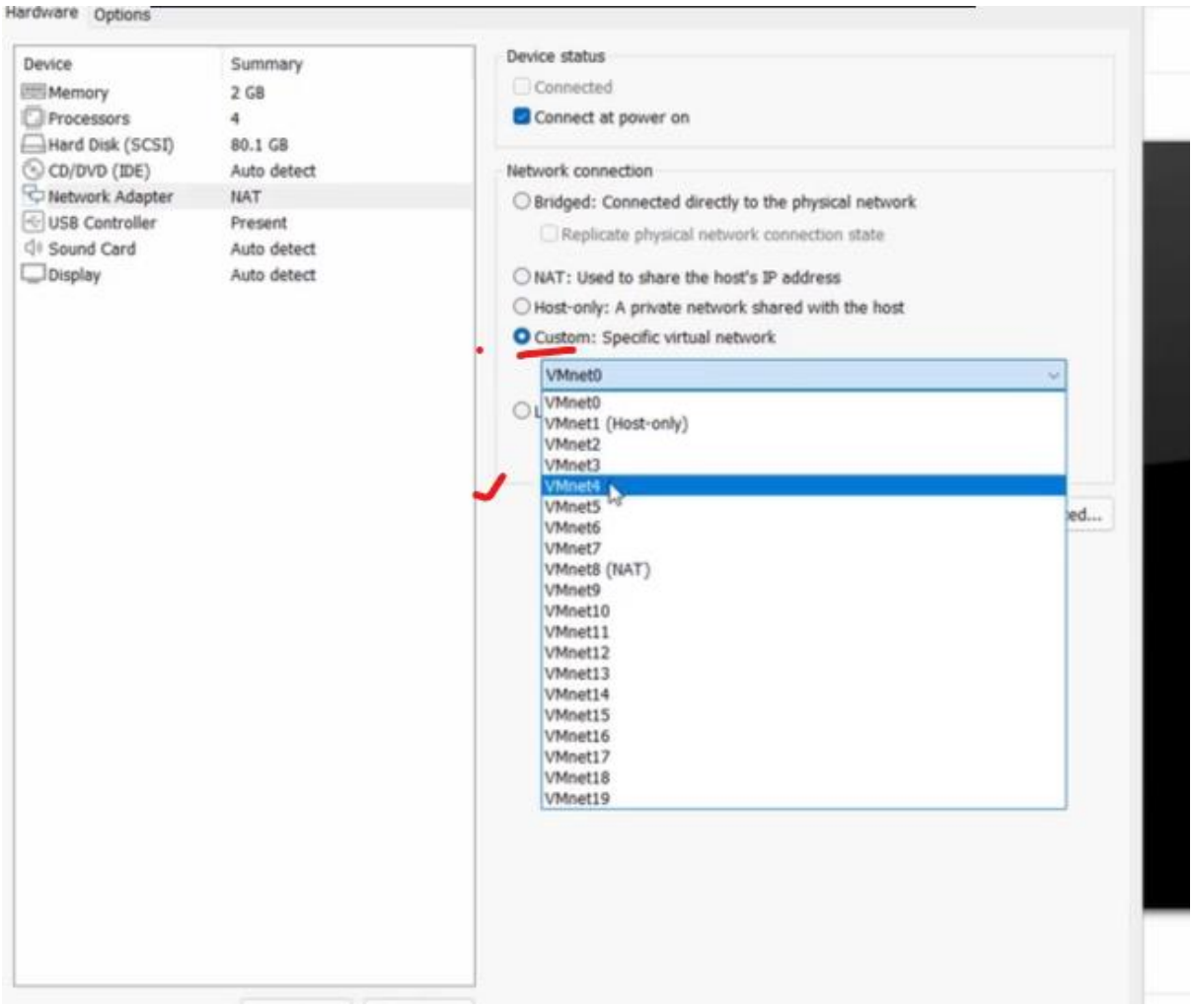

VMware Workstation
File Edit View VM Tabs Help
New Virtual Machine... Ctrl+N
New Window
Open... Ctrl+O
Scan for Virtual Machines...
Configure Auto Start VMs
Close Tab Ctrl+W
Connect to Server... Ctrl+L
Export to OVF...
Exit
Win-11
PFirewall


File Edit View VM Tabs Help
Library
Type here to search
Computer
EVE-COM
EVE-NG-PRO
Win-11
PFirewall
Home
Win-11
PFirewall
kali-linux-2023.2-vmware-...
kali-linux-2023.2-vmware-amd64
Power on this virtual machine
Edit virtual machine settings
Upgrade this virtual machine
Devices
Memory 2 GB
Processors 4
Hard Disk (SCSI) 80.1 GB
CD/DVD (IDE) Auto detect
Network Adapter NAT
USB Controller Present
Sound Card Auto detect
Display Auto detect
Description
Kali Rolling (2023.2) x64
2023-05-23
Username: kali
Password: kali
(US keyboard layout)
* Kali Homepage:
https://www.kali.org/
* Kali Documentation:
https://www.kali.org/docs/
* Kali Tools:
https://www.kali.org/tools/
* Forum/Community Support:
Virtual Machine Details
State: Powered off
Configuration file: E:\OS\kali-linux-2023.2-vmware-amd64\kali-linux-2023.2-vmware-amd64.vmwa

The lab detail table is below for confirmation.

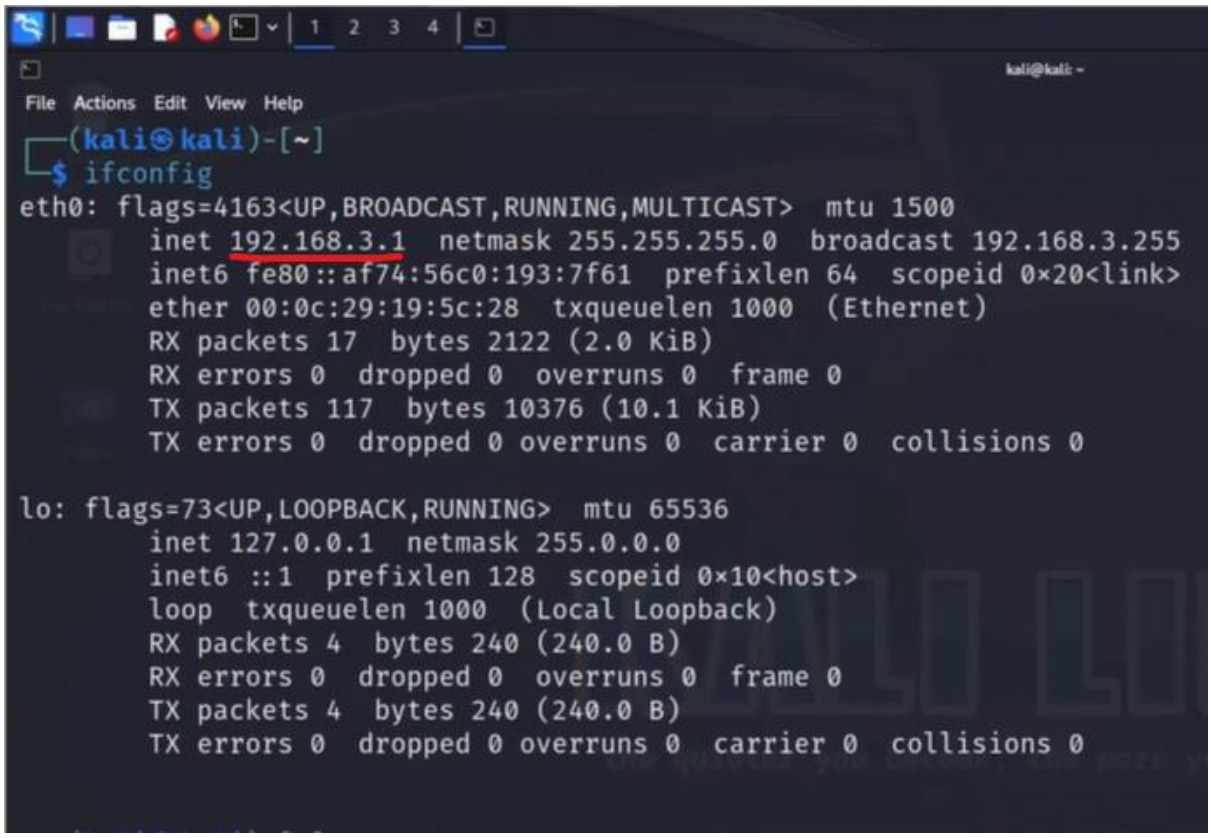
VMware Adopter	Network Connection	Role	PfSense Interfaces
Network Adopter	NAT	WAN	EM0
Network Adopter 2	VMNet2	LAN	EM1
Network Adopter 3	VMNet3	SPAN	EM2
Network Adopter 4	VMNet4	KALI	EM3
Network Adopter 5	VMNet5	SECONION	EM4
Network Adopter 6	VMNet6	SPLUNK	EM5

IP Subnet	Network Connection	Role	PfSense Interfaces	VMware Adopter
192.168.114.0/24	NAT	WAN	EM0	Network Adopter
192.168.1.0/24	VMNet2	LAN	EM1	Network Adopter 2
No IP Address	VMNet3	SPAN	EM2	Network Adopter 3
192.168.3.0/24	VMNet4	KALI	EM3	Network Adopter 4
192.168.4.0/24	VMNet5	SECONION	EM4	Network Adopter 5
192.168.5.0/24	VMNet6	SPLUNK	EM5	Network Adopter 6



Then click **ok** button below to save it.

ipconfig to check the ip address of machine, we see the ip range is match the interface that I provided.



Traceroute command to check the path from which the data packet go to the internet, here we see that 192.168.3.254 is our gateway that I set.

Note: it will show it firewall is power on. It is necessary.

As shown below in lab setup topology.