

CS 445

Lab 7

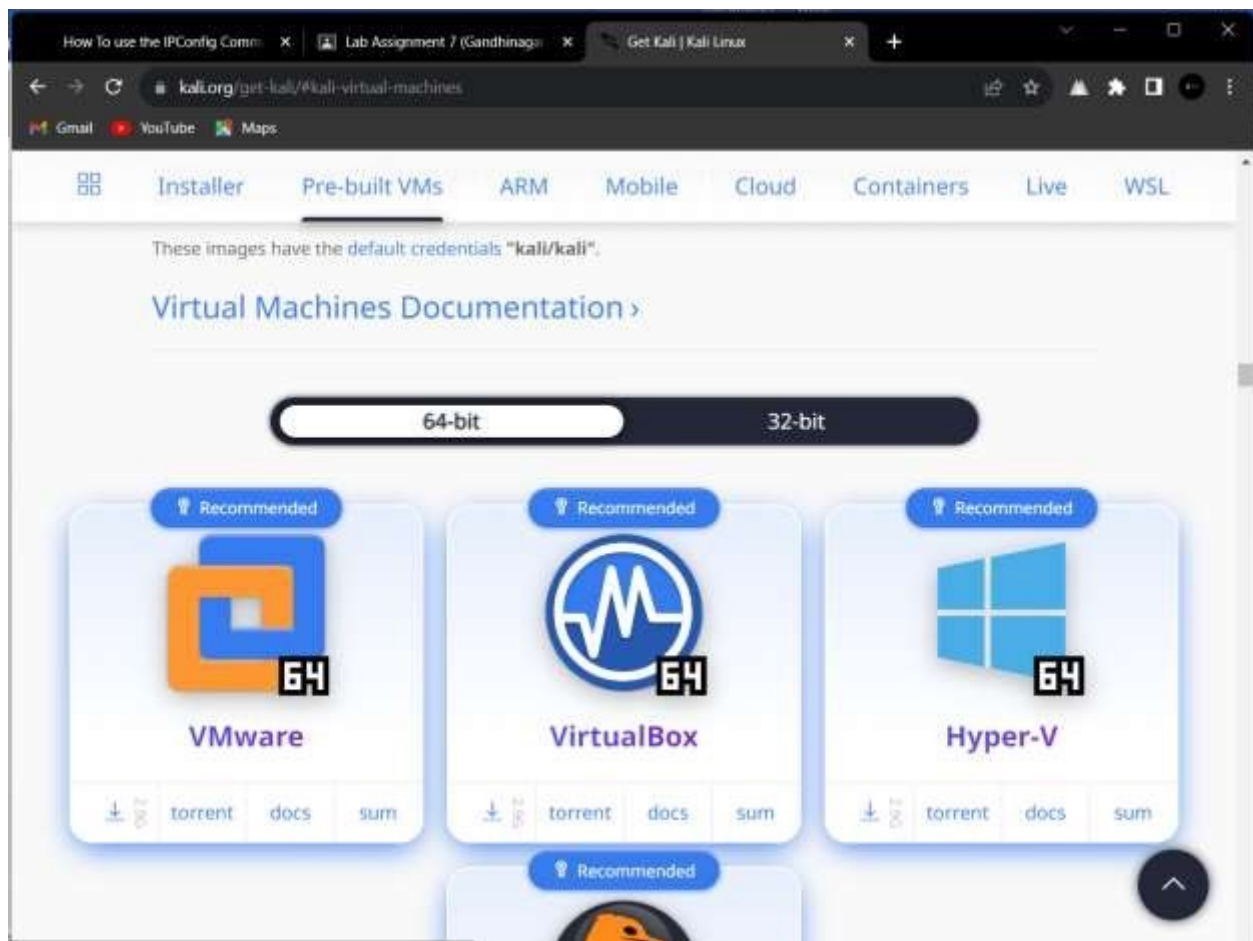
Himanshu Jain

202052316

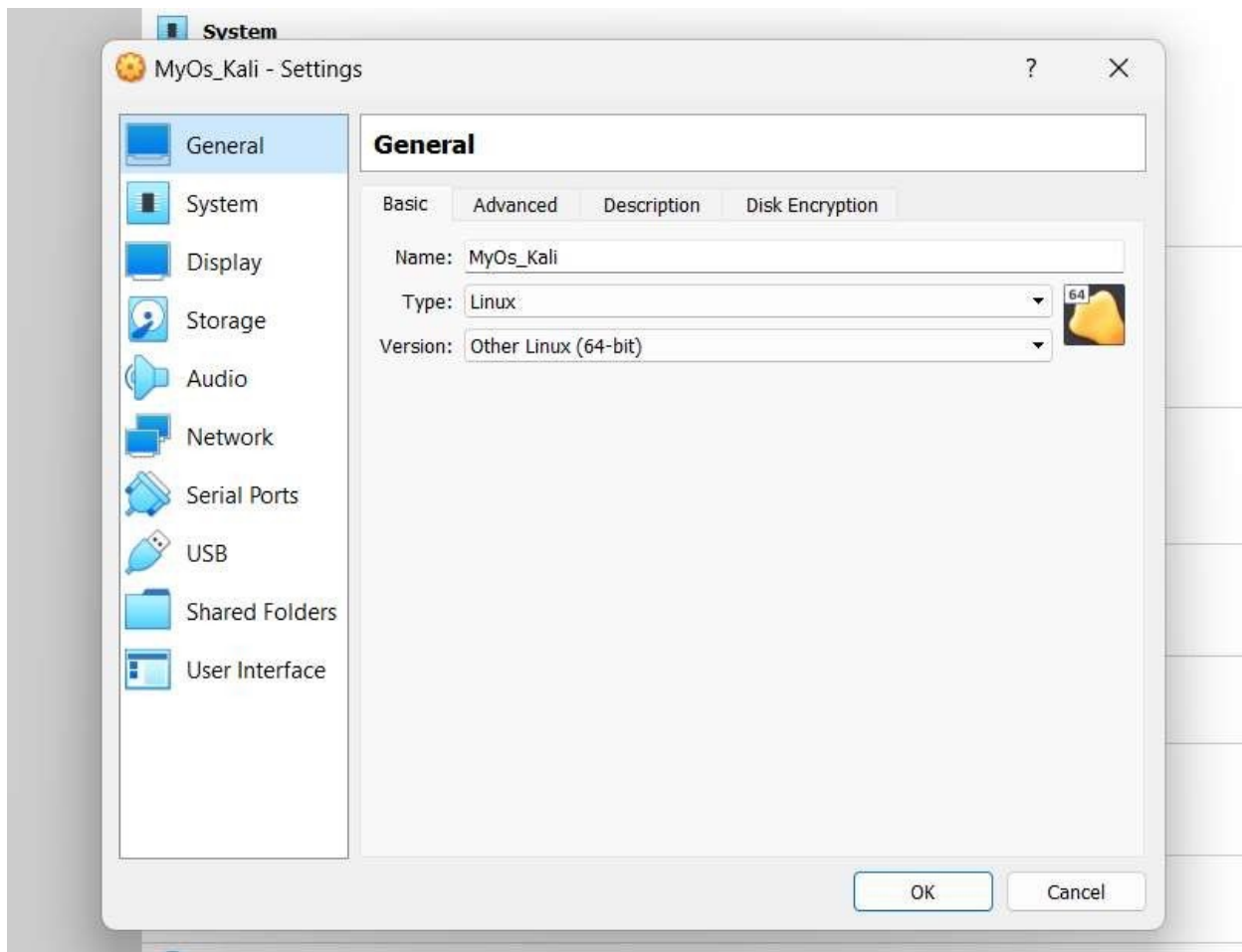
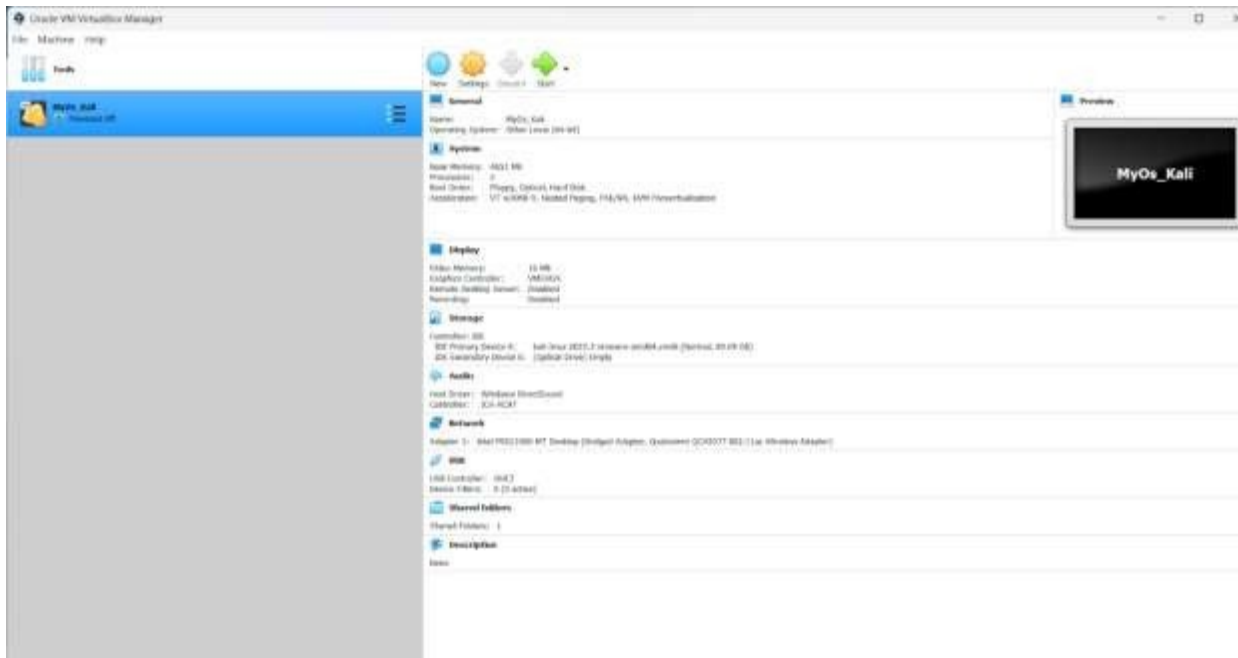
Install Kali-Linux

As I have installed the Virtual Box. Now, next step to install Kali Linux.

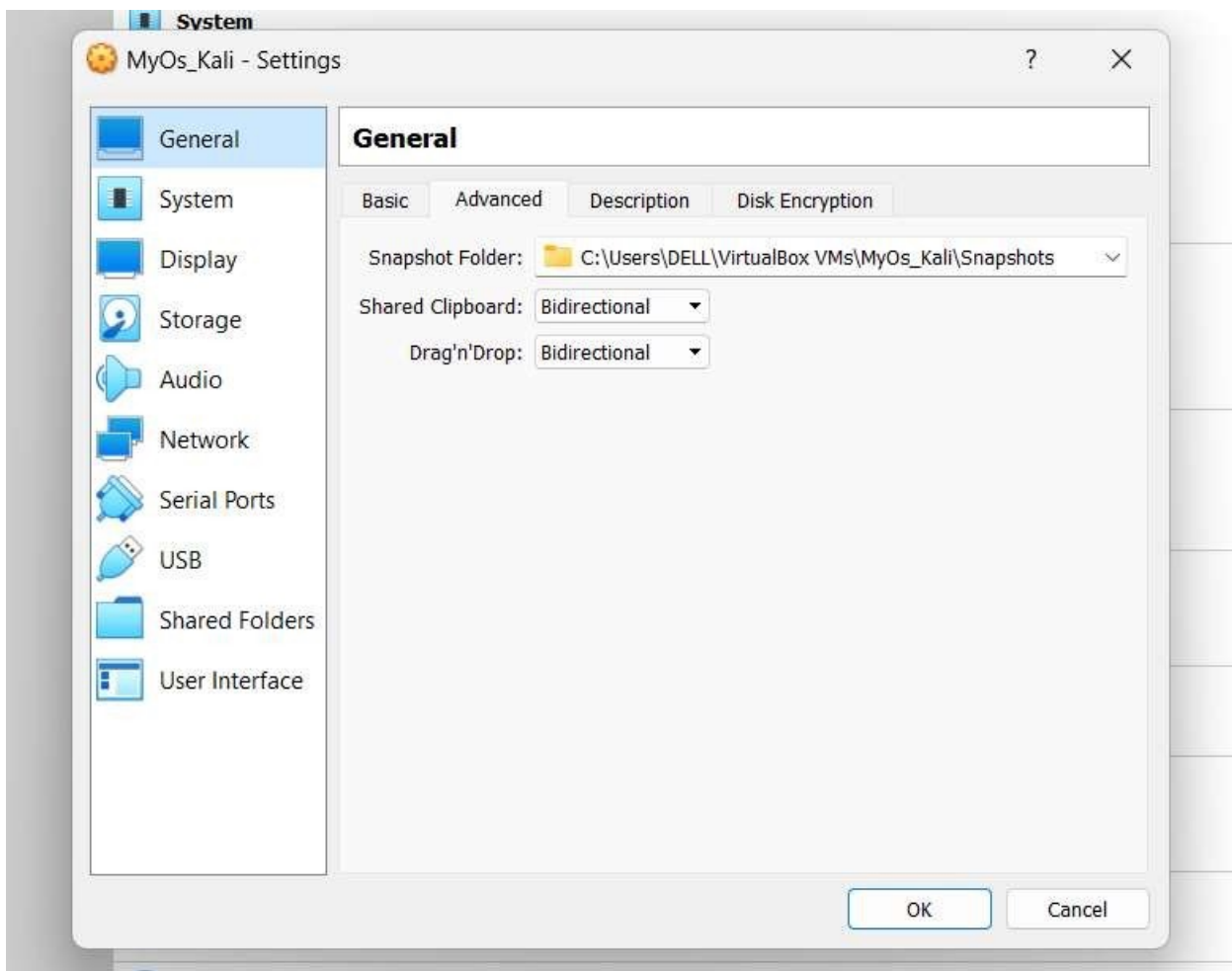
Step 1: Download the Kali Linux (VMware) package from its official website: <https://www.kali.org/downloads/>



Step 2: Click VirtualBox -> New and create new Linux OS. And select necessary resources(eg: 2 CPU, 4GB RAM, etc.)

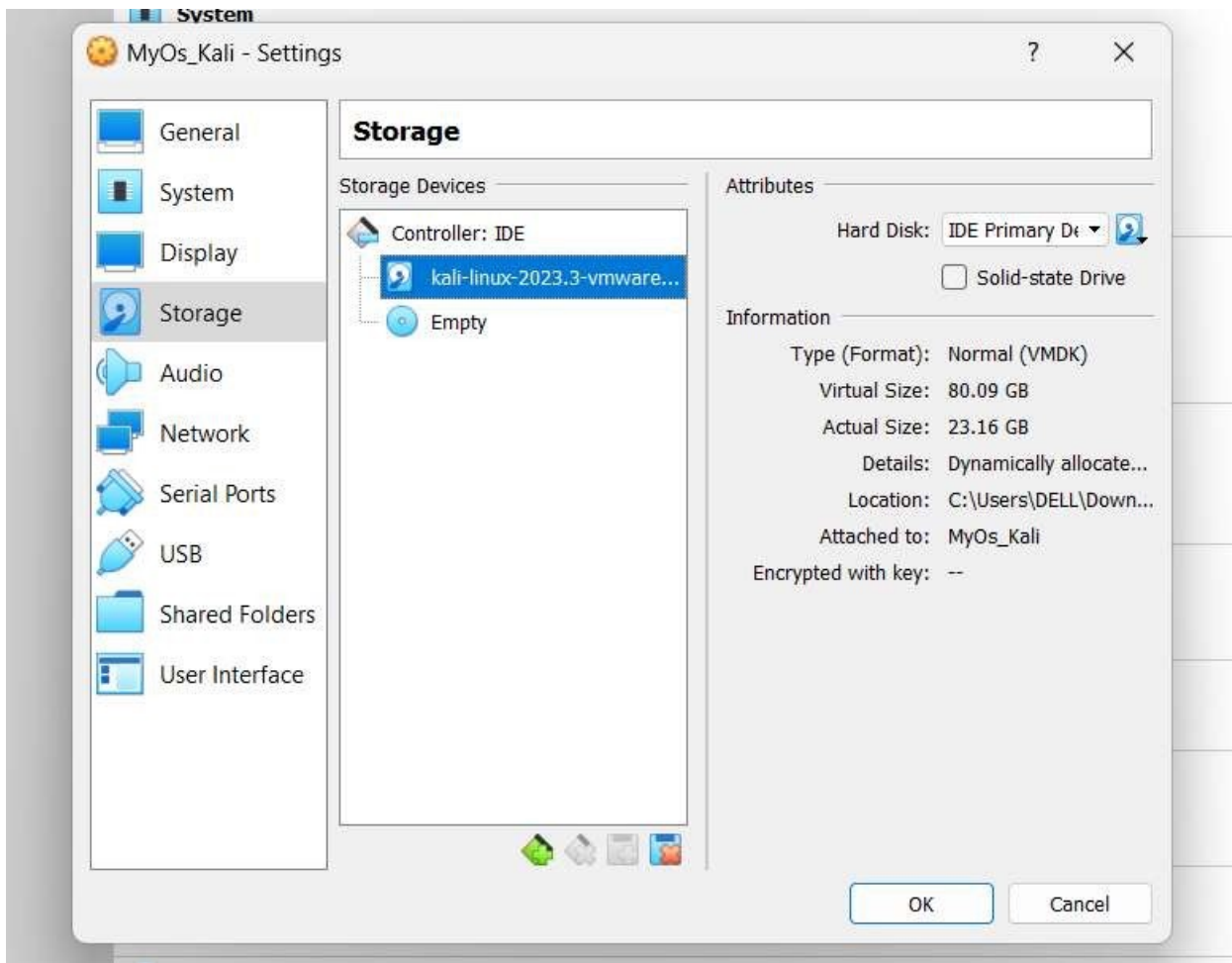


Step 3: Select Bidirectional in Shared Clipboard and Drag and Drop.

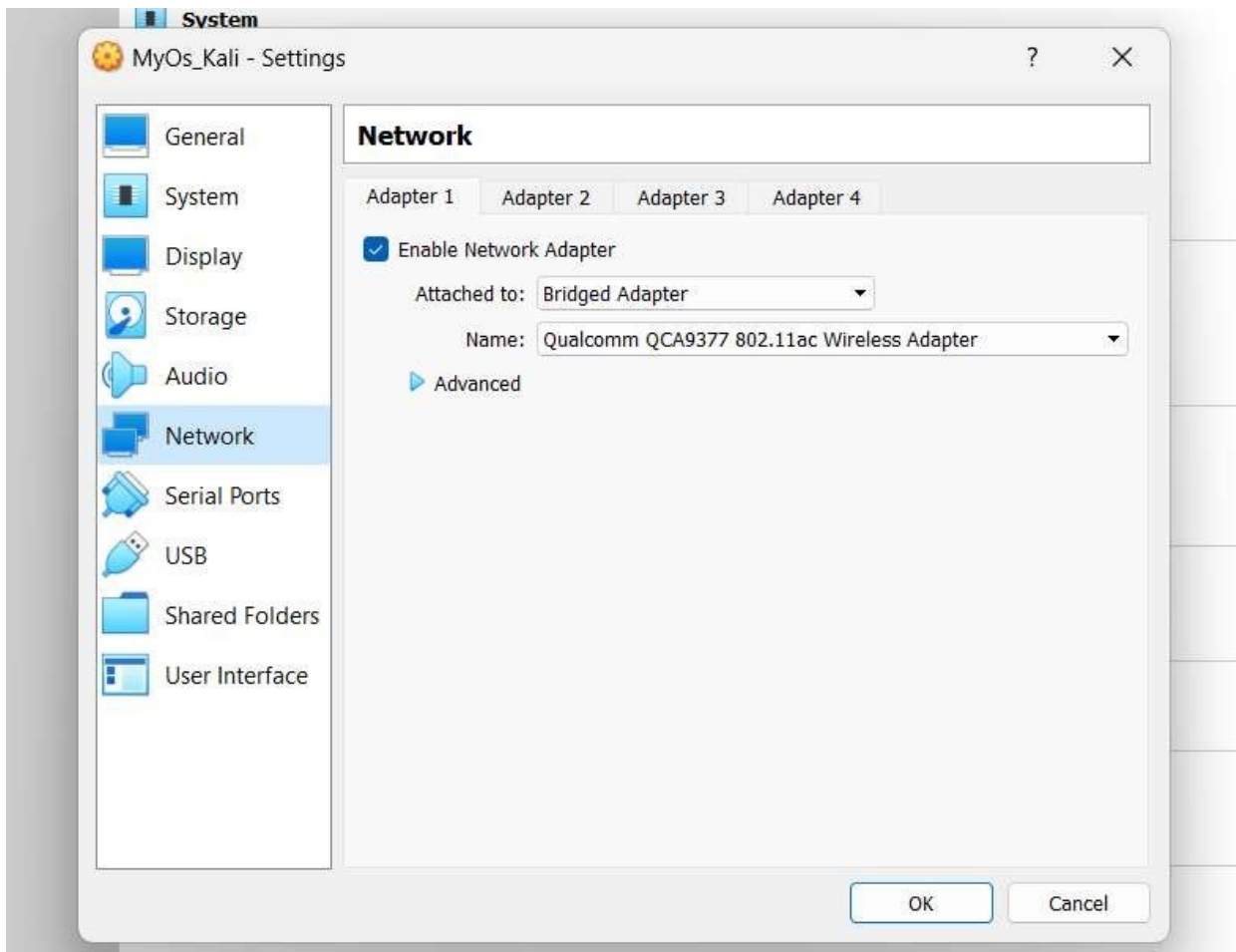


Step 4: In the Storage, select the storage file of Kali linux which we have already downloaded.

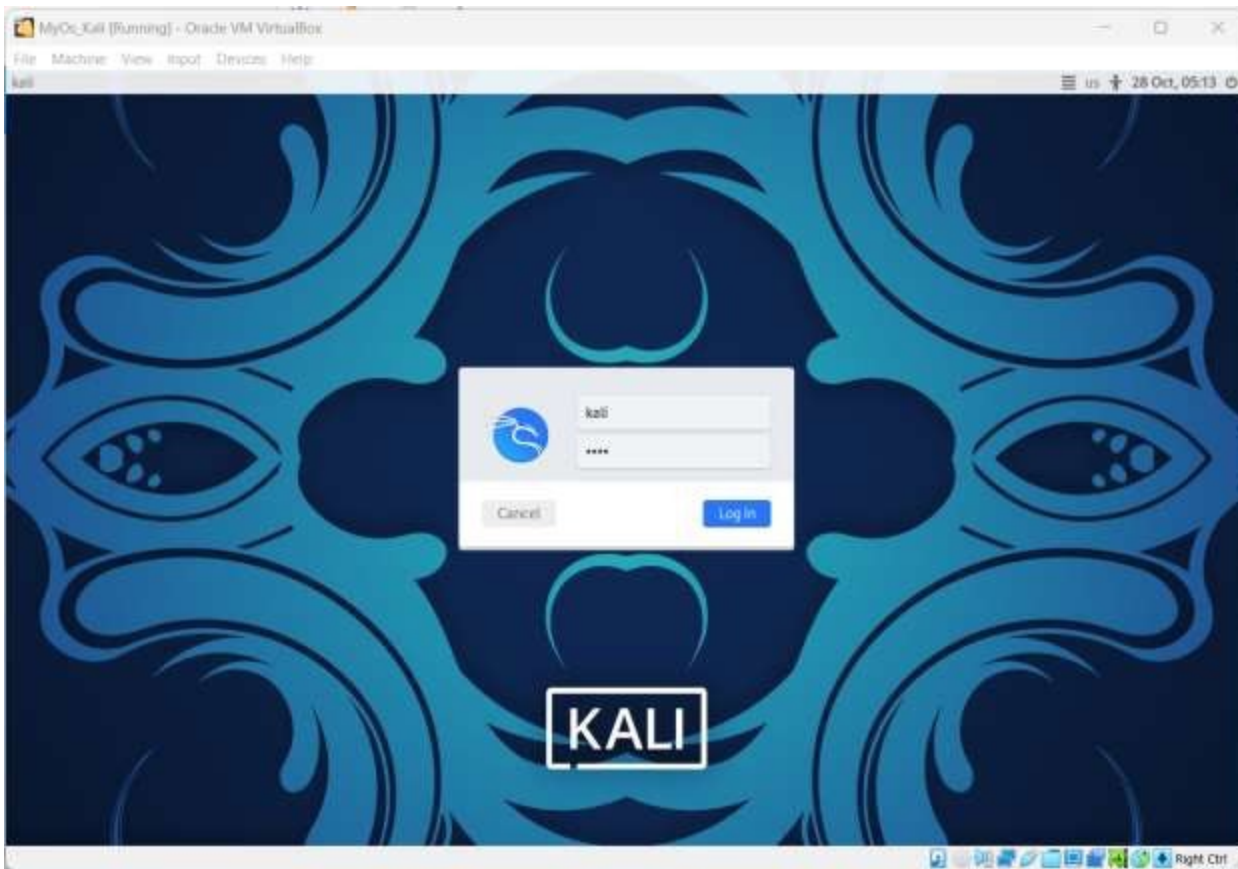
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Name	Date modified	Type	Size
Today			
kali-linux-2023.3-vmware-amd64	10/28/2023 2:42 PM	Virtual Machine Di...	4 KB
kali-linux-2023.3-vmware-amd64-s001	10/28/2023 2:42 PM	Virtual Machine Di...	2,038,400 ...
kali-linux-2023.3-vmware-amd64-s002	10/28/2023 2:42 PM	Virtual Machine Di...	2,053,824 ...
kali-linux-2023.3-vmware-amd64-s003	10/28/2023 2:42 PM	Virtual Machine Di...	1,999,104 ...
kali-linux-2023.3-vmware-amd64-s004	10/28/2023 2:42 PM	Virtual Machine Di...	665,920 KB
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kali-linux-2023.3-vmware-amd64-s007	10/28/2023 2:42 PM	Virtual Machine Di...	576 KB
kali-linux-2023.3-vmware-amd64-s008	10/28/2023 2:42 PM	Virtual Machine Di...	130,496 KB
kali-linux-2023.3-vmware-amd64-s009	10/28/2023 2:42 PM	Virtual Machine Di...	366,912 KB
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kali-linux-2023.3-vmware-amd64-s011	10/28/2023 2:42 PM	Virtual Machine Di...	576 KB
kali-linux-2023.3-vmware-amd64-s012	10/28/2023 2:42 PM	Virtual Machine Di...	384 KB



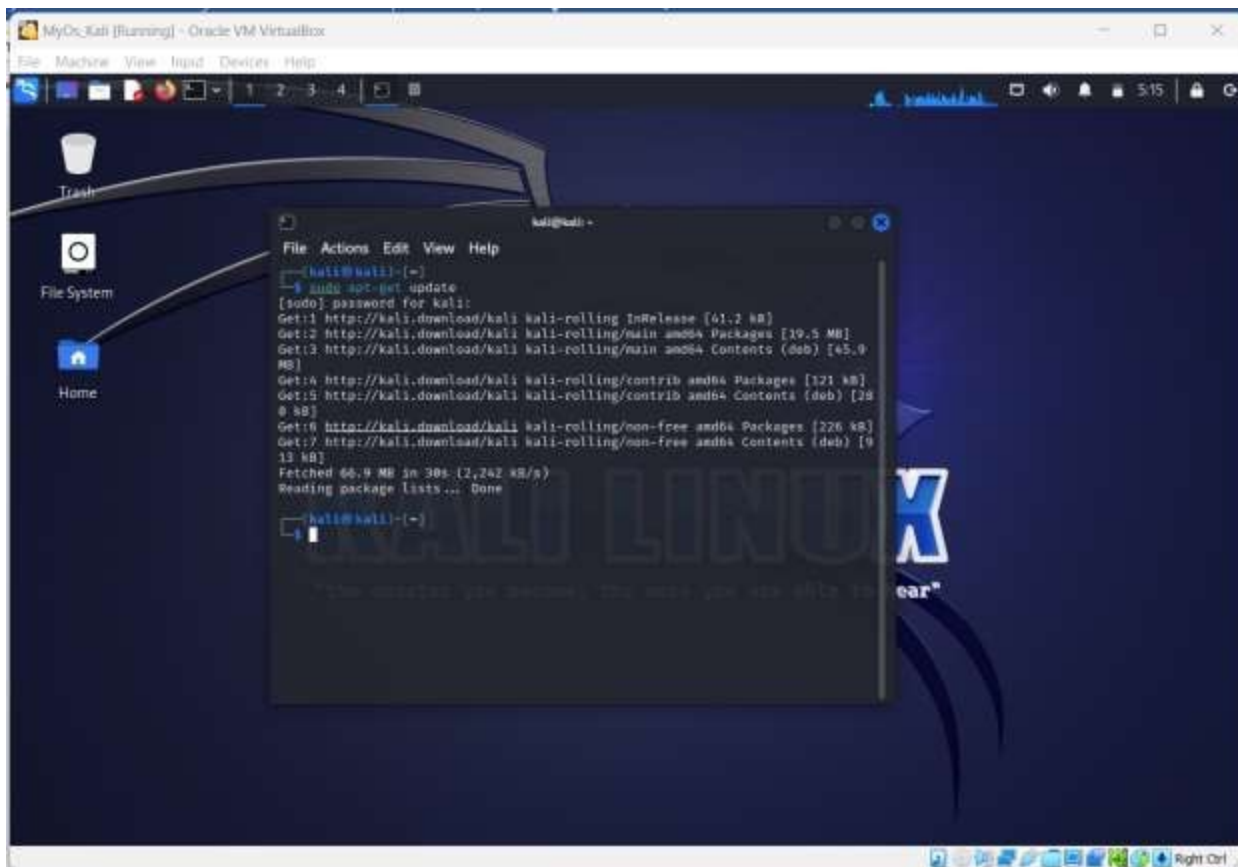
Step 5: In the Network, select the Bridged Adaptor.



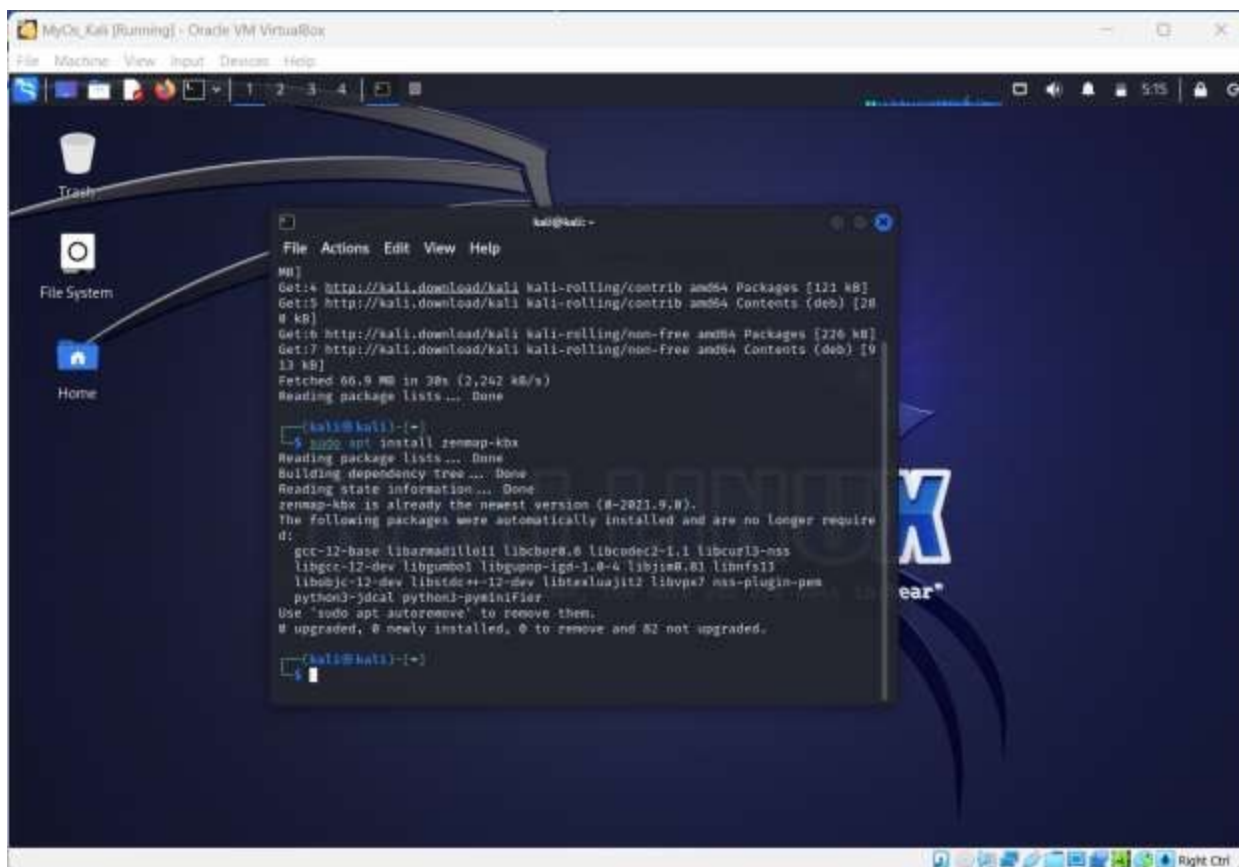
Step 6: Run the Kali-linux OS. And Enter the default username **kali** and password **kali**.



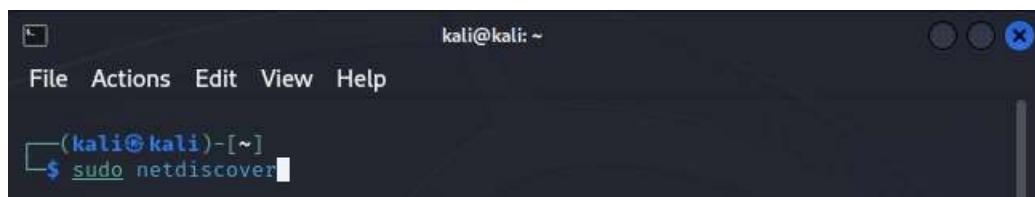
Step 7: Now to upgrade the tools, type “`sudo apt-get upgrade`” and the new packages will be downloaded.

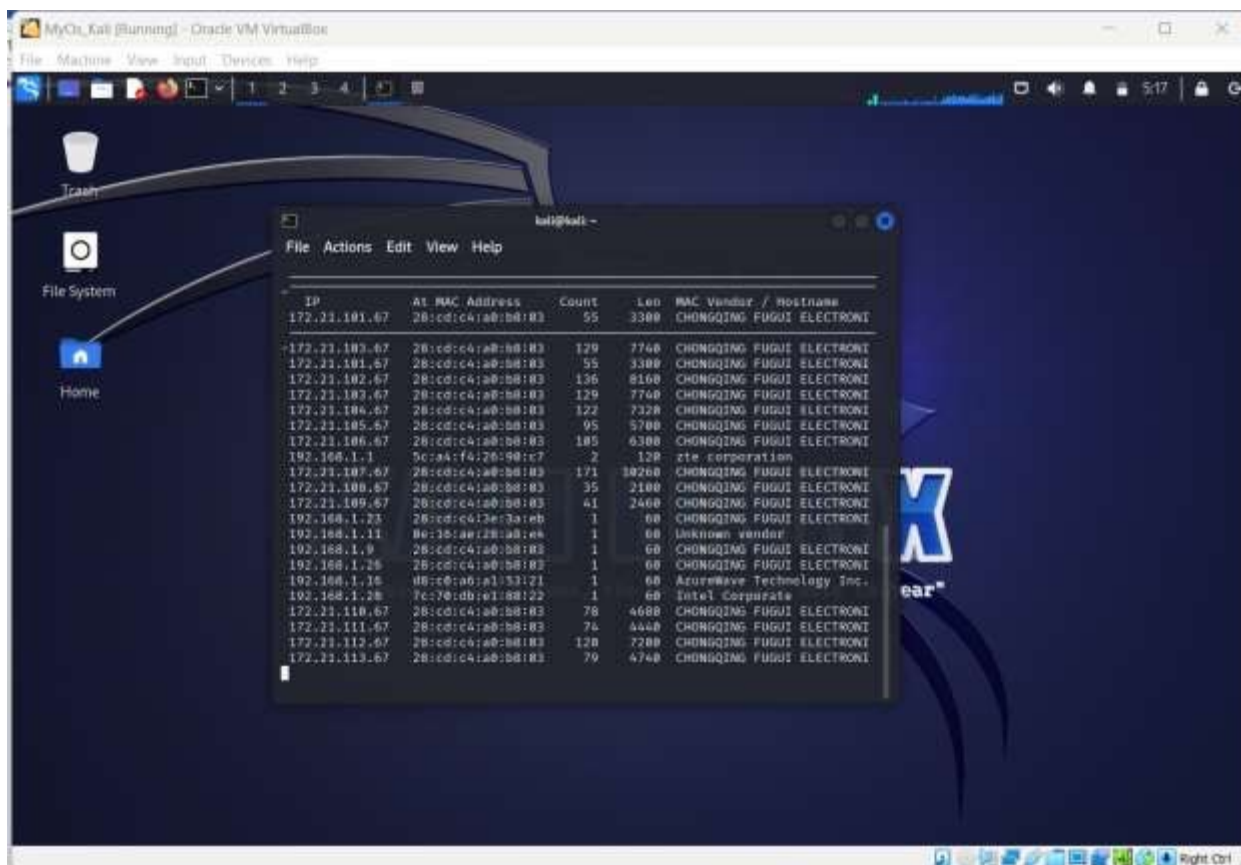


Step 8: Install the zenmap, type “sudo apt-install zenmap-kbx”

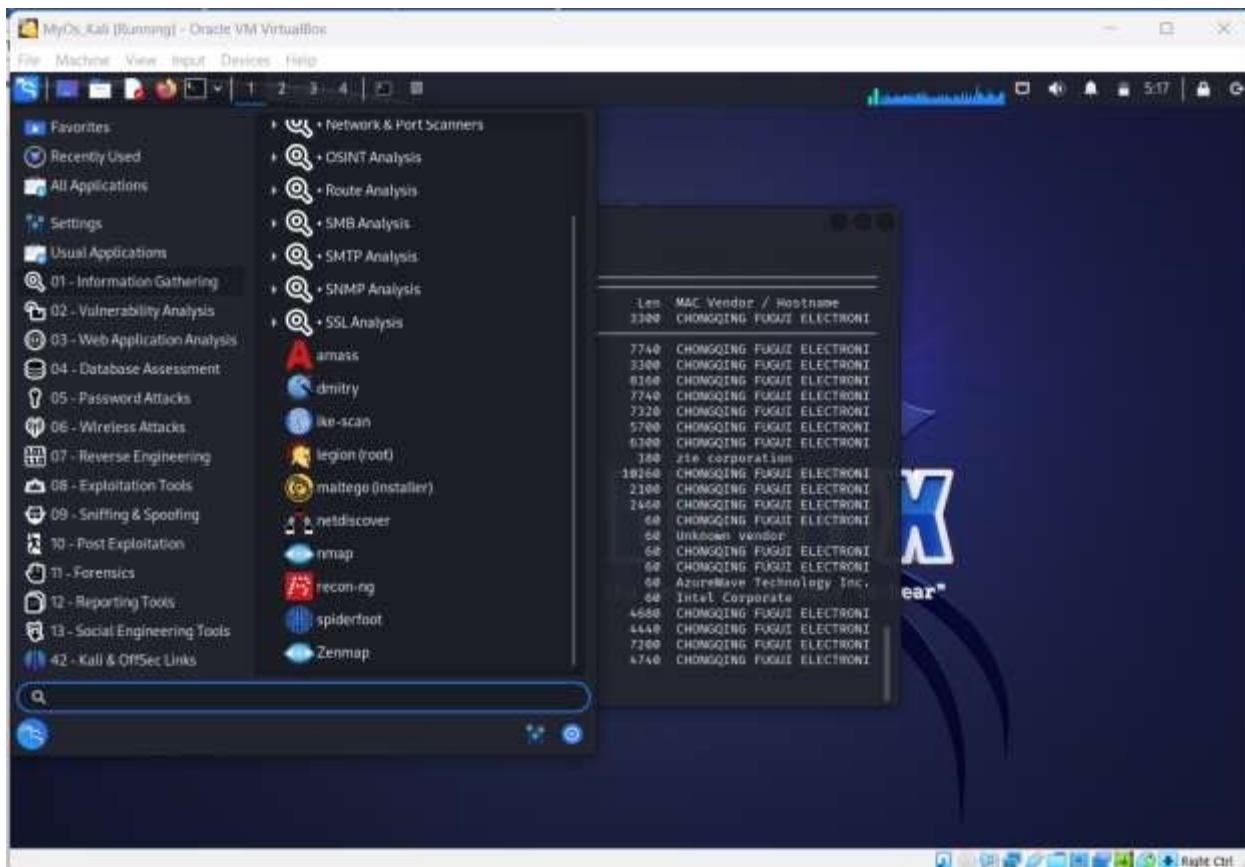


Step 9: Discover the IP which can be made as target, type “sudo netdiscover”

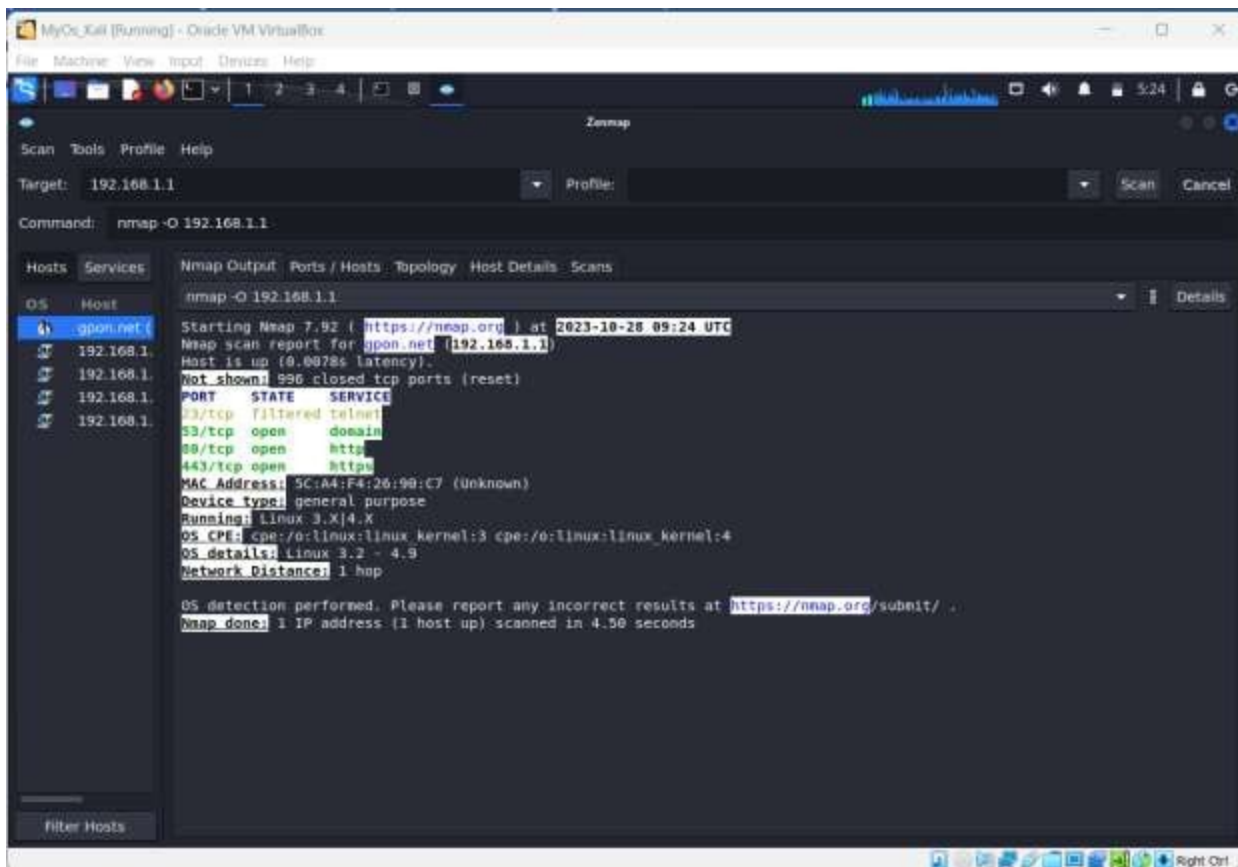




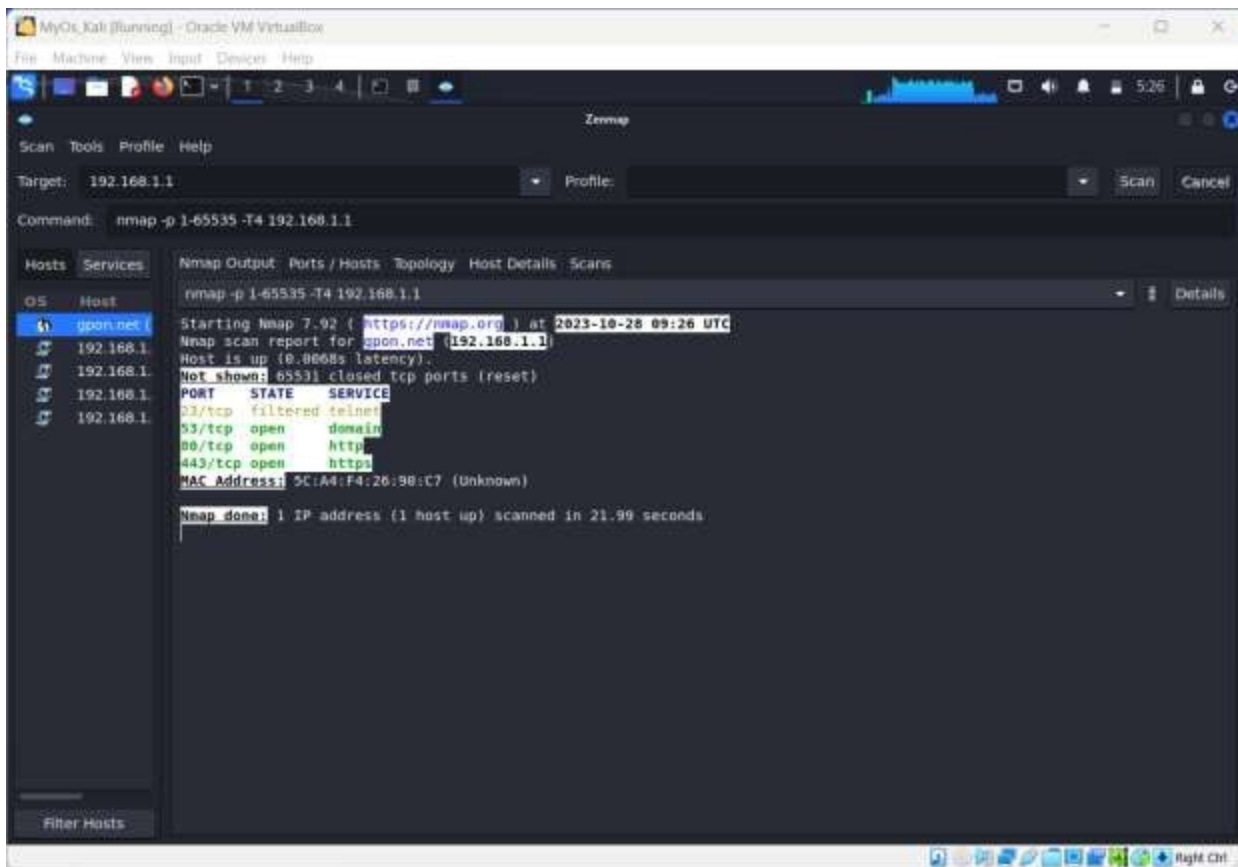
Step 10: Open zenmap.



The command that we will use is: `nmap -O 192.168.1.1`



Step 12: Next, open the TCP and UDP ports. To scan all the TCP ports based on NMAP, use the following command: `nmap -p 1-65535 -T4 192.168.1.1`



Step 13: Now to see the SYN scan in practice, use the parameter `-sS` in NMAP. Following is the full command `nmap -sS -T4 192.168.1.1`

