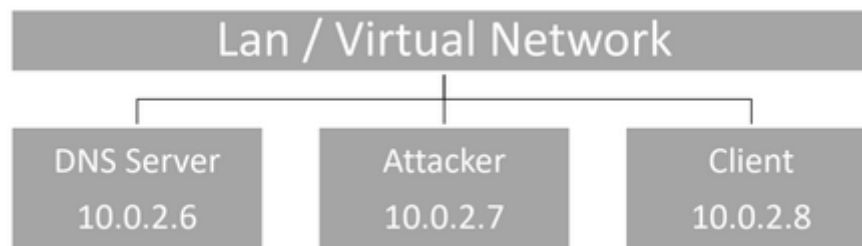


Day 1 Lab 1 Lab Environment Setup

Lab topology

We are going to use Virtual Machines to do most of our labs, the three VMs are prefigured with IP address in network 10.0.2.0/24.

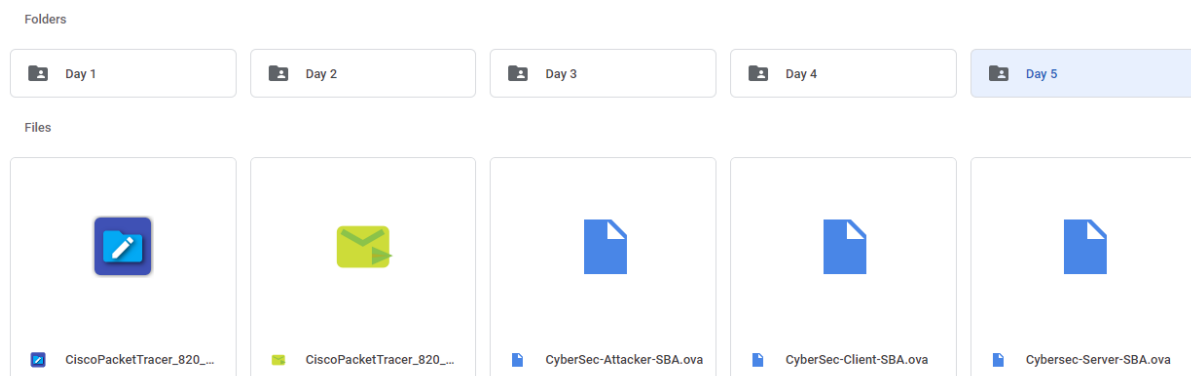


Lab set up

Step 1: Check your host machine has at least 8GB/16GB RAM or more since the VMware software will need memory to use. (Skip this step if you use Lab machine)

Step2: Download VMware Workstation15/16 (WIN/LINUX) or Fusion 11(MAC) from VMware ->: [Link](#)

Step3: Download the Virtual Machine images and lab manuals ->: [Link](#) . There are three .ova files and folder for every lesson.



Step4: Start VMware Workstation/Fusion, click “Open a Virtual Machine” , Figure 1 (Or go to file->open if you don’t have the button, Figure 2)

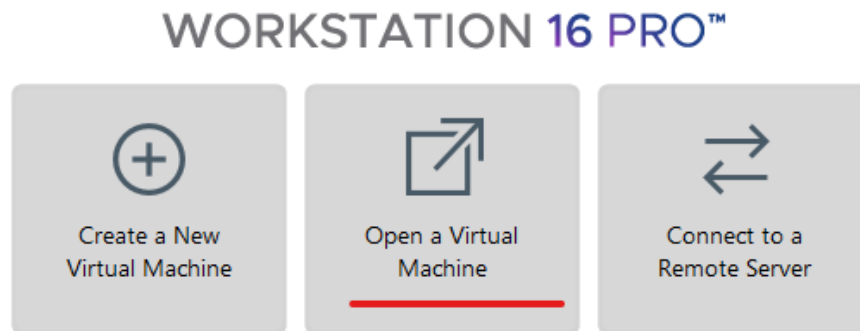
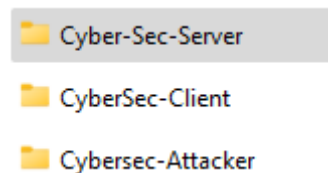


Figure 1

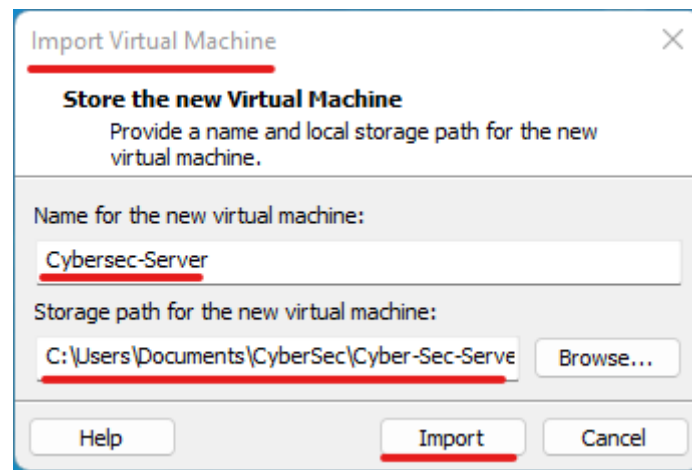


Figure 2

Step5: Create three folders for each of the VM.



Step6: Select the .ova file you downloaded. then click “open”. A dialogue box “Import Virtual Machine” will open , provide the VM’s name and storage path created in Step5 for the new VM, then click “import”. (Note: Use the image’s name as the MV’s name, choose your own path)



Step7: Do the same for CyberSec client and CyberSec Attacker, then start and log in to each machine.

Username:CyberSec

Password: cybersec (all in lower case)



Step8: Test connectivity

```
cybersec-server@ubuntu: ~  
cybersec-server@ubuntu:~$ ping -c 4 10.0.2.8  
PING 10.0.2.8 (10.0.2.8) 56(84) bytes of data.  
64 bytes from 10.0.2.8: icmp_seq=1 ttl=64 time=0.575 ms  
64 bytes from 10.0.2.8: icmp_seq=2 ttl=64 time=0.764 ms  
64 bytes from 10.0.2.8: icmp_seq=3 ttl=64 time=0.827 ms  
64 bytes from 10.0.2.8: icmp_seq=4 ttl=64 time=0.526 ms  
  
--- 10.0.2.8 ping statistics ---  
4 packets transmitted, 4 received, 0% packet loss, time 3001ms  
rtt min/avg/max/mdev = 0.526/0.673/0.827/0.125 ms  
cybersec-server@ubuntu:~$ ping -c 4 10.0.2.7  
PING 10.0.2.7 (10.0.2.7) 56(84) bytes of data.  
64 bytes from 10.0.2.7: icmp_seq=1 ttl=64 time=0.508 ms  
64 bytes from 10.0.2.7: icmp_seq=2 ttl=64 time=0.876 ms  
64 bytes from 10.0.2.7: icmp_seq=3 ttl=64 time=0.551 ms  
64 bytes from 10.0.2.7: icmp_seq=4 ttl=64 time=0.662 ms  
  
--- 10.0.2.7 ping statistics ---  
4 packets transmitted, 4 received, 0% packet loss, time 3000ms  
rtt min/avg/max/mdev = 0.508/0.649/0.876/0.143 ms  
cybersec-server@ubuntu:~$ █
```

Well done, you have set up the lab environment, can go through each folder in the shared drive to get idea of each week's lab.