Hyperiondev

TASK

Local virtual machine installation

VIRTUAL MACHINE INSTALLATION

Follow the steps below to install a virtual machine on your computer if you are using a Windows machine. If you are using the MacOS, navigate to the MacOS installation section.

1. Go to VMware WorkStation Player - **https://www.vmware.com/products/workstation-player.html**

2. Click on "DOWNLOAD FOR FREE".

3. Click on "GO TO DOWNLOADS".

4. You will be redirected to the screen below. Choose the Windows option by clicking on "DOWNLOAD NOW".
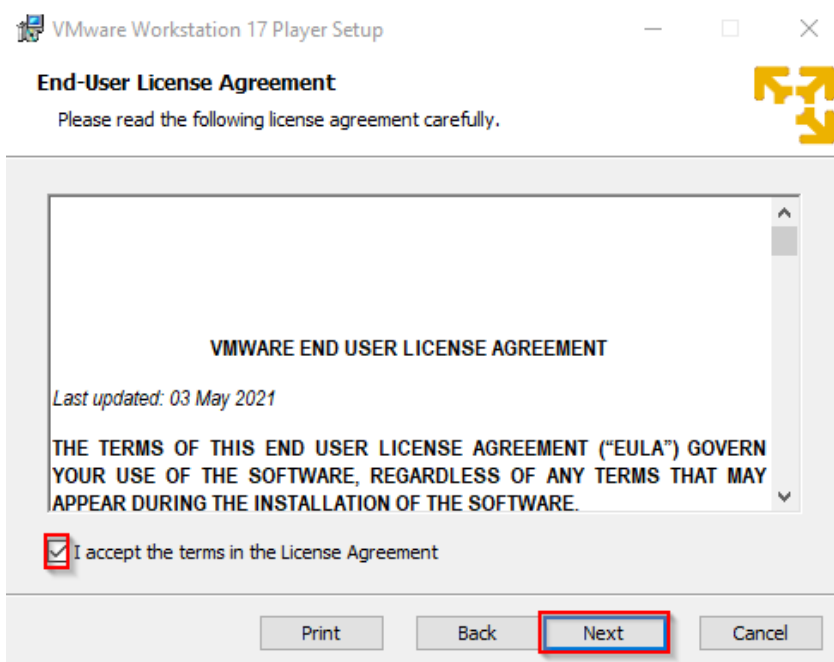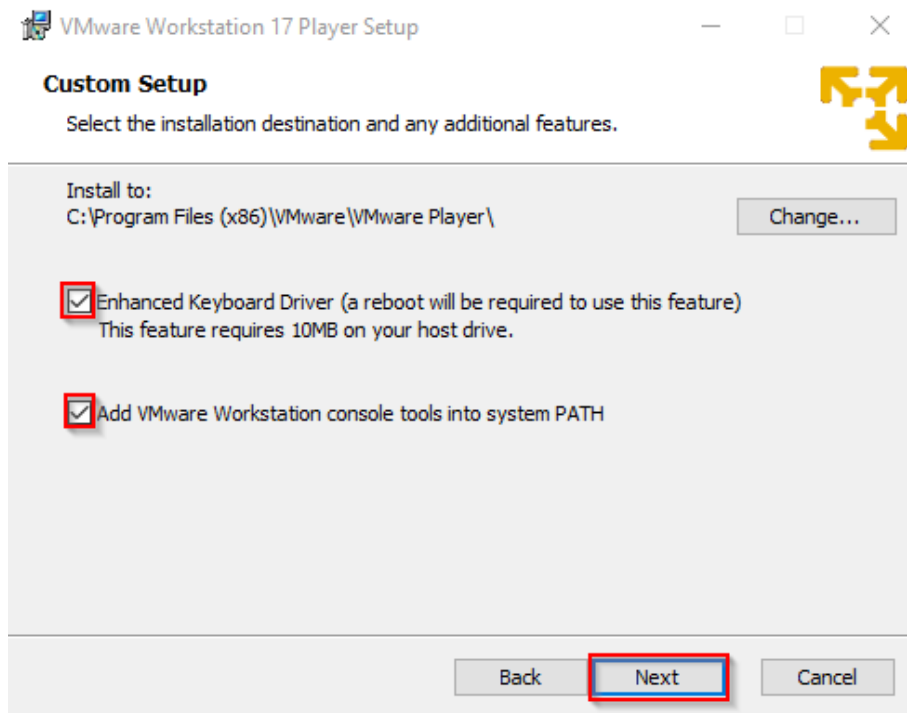

5. Once the VMware software has fully downloaded, open it and you should see the pop-up below. Click "Next".
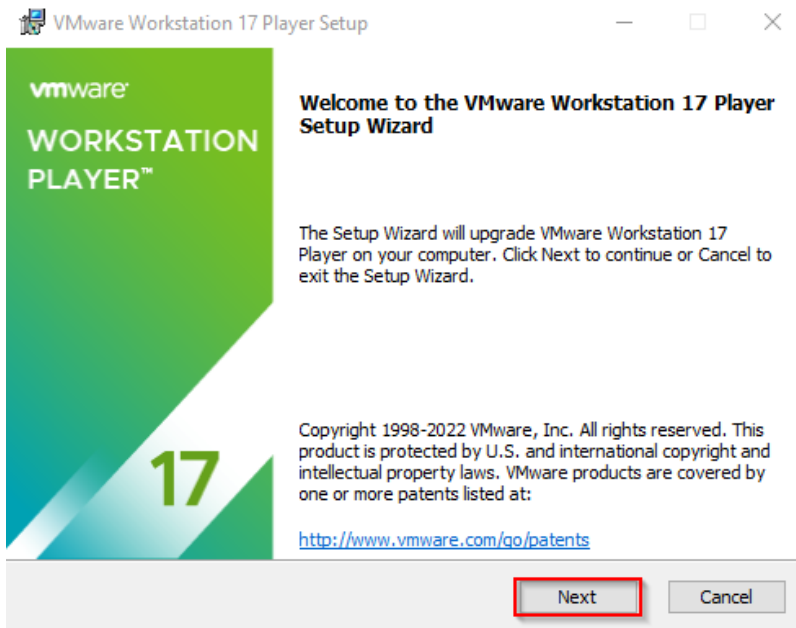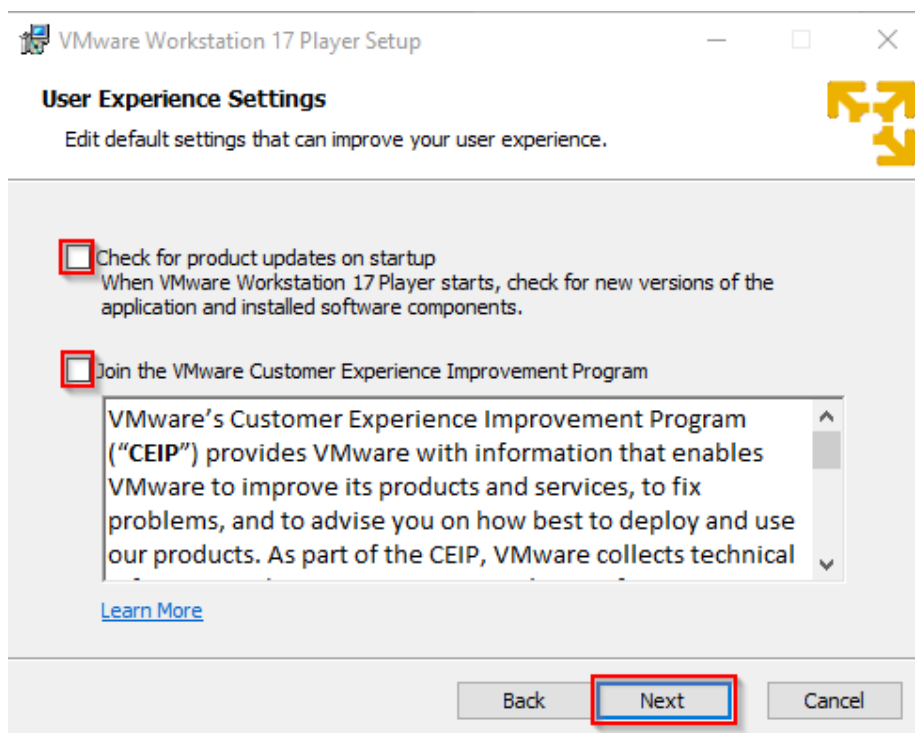
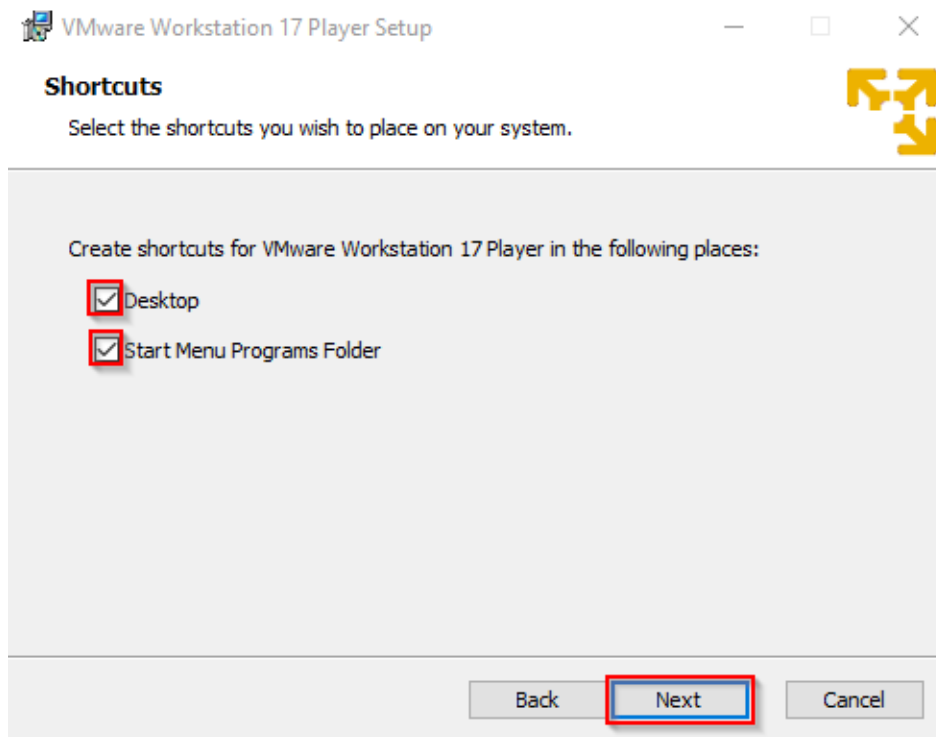6. Click on the small square and "Accept the Terms of Agreement", then press "Next".

7. Make sure to check both boxes and click "Next".

8. Uncheck both boxes and click "Next".

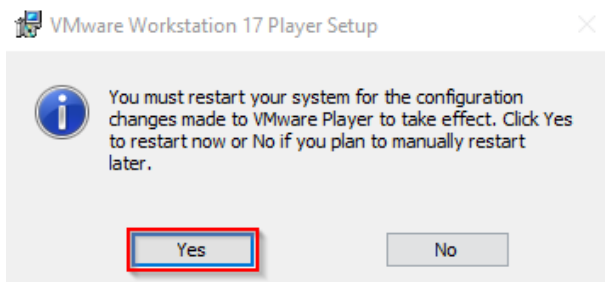9. Check to see if both boxes are selected and click "Next".

10. Click on "Finish".

11. A restart pop-up will appear – click "Yes" to restart your system.

12. On the Desktop double-click the VMware Workstation 17 Player icon to open it.

13. Select the "non-commercial use option" and "Continue".
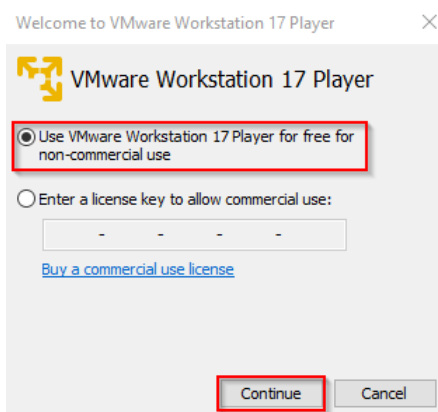
14. Click on "Finish"
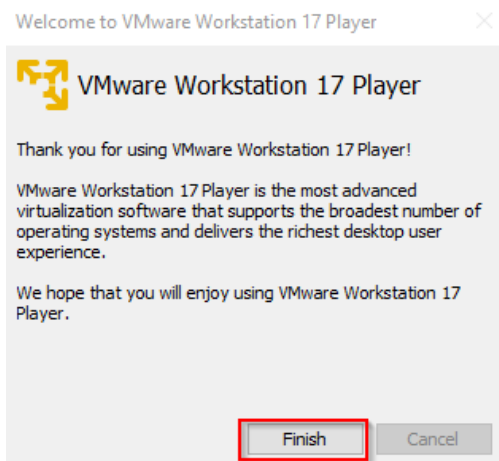
15. This is what you should see after the above instructions are completed.
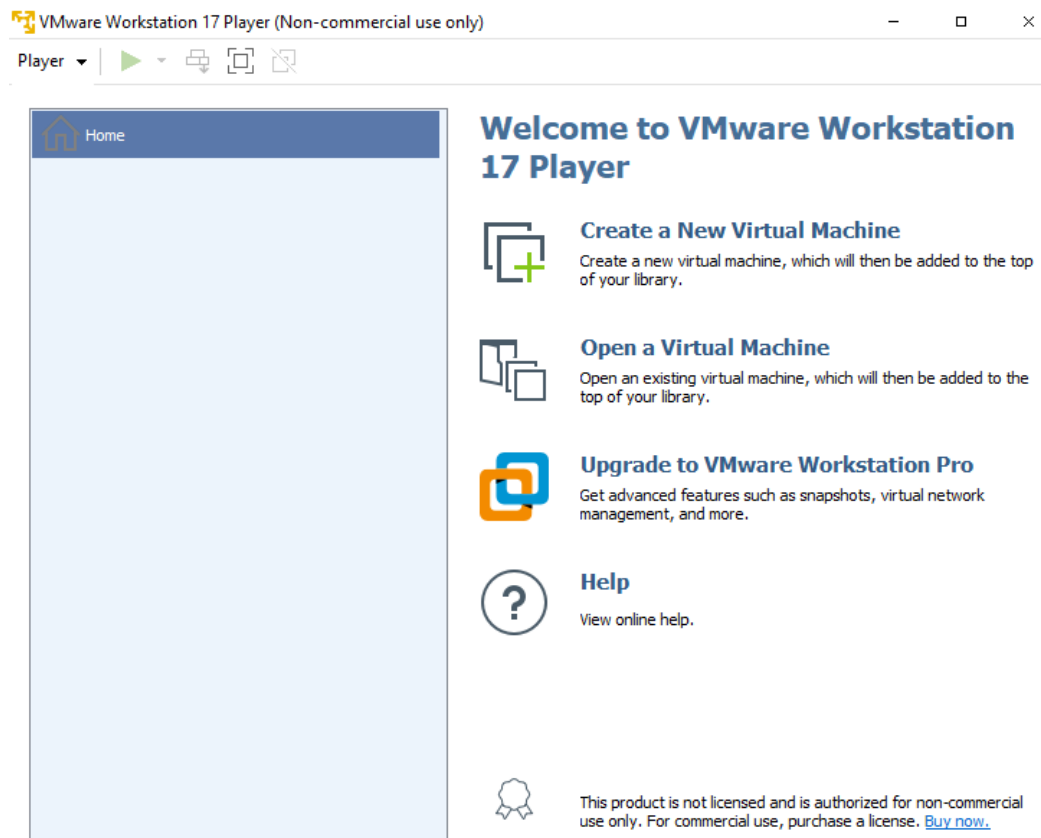
KALI LINUX INSTALLATION

Next, you will install Kali Linux within a virtual machine.

1. Go to the Kali Linux webpage - **https://www.kali.org/get-kali/**

2. Click on the Virtual Machine option.

3. Select the VMWare option and click "save" to download. Ensure you have a stable internet connection as the file is about 2.6 GB and may take a few minutes to download.

Take note, the Kali Linux file downloaded above is a zip file. To open it, you may need a specific tool like 7-Zip designed to extract compressed files.

7-ZIP INSTALLATION

Follow the following steps to download and install 7-ZIP to extract files from a zipped folder.

1. Go to 7-Zip - https://www.7-zip.org/download.html

2. Download the 64-bit Windows 7-Zip or macOS (arm64/ x86-64) as it matches the Kali Linux system you downloaded earlier.

Download 7-Zip 22.01 (2022-07-15):

Link	Type	System	Description
Download	.exe	64-bit Windows x64	
Download	.exe	32-bit Windows x86	7-Zip for Windows
Download	.exe	64-bit Windows arm64	

3. Once it is downloaded click on "Yes" then "Install".
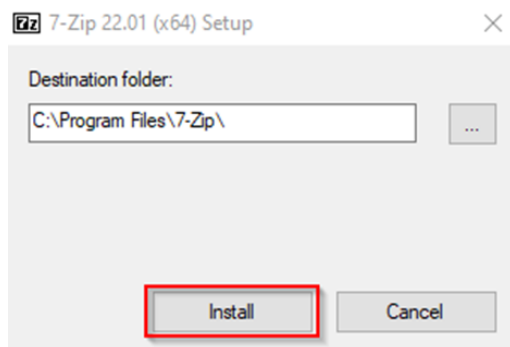
4. Click on "close".
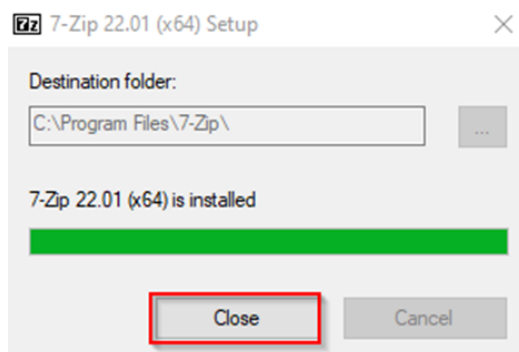
5. Go to the search box and type "7-Zip" to open it to see the image below.
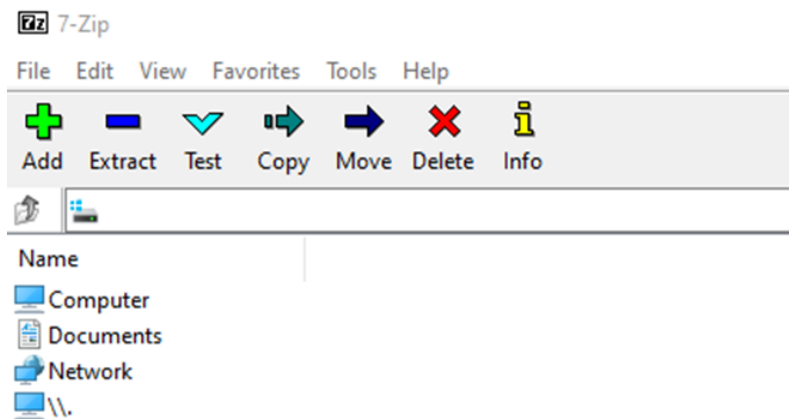
COMPILING ALL THREE INSTALLATIONS

Time to put all the three elements we have downloaded together.

1. Create a new folder called **KALI**.
2. Once the **kali-Linux-2022.3-vmware-amd64** file from the above installation has finished downloading, go to the file and right-click.
3. Scroll down to "Properties" and change "Opens with" to the 7-Zip Installer you downloaded above.
4. Click "Apply" then "Next" .

> New Volume (E:) > **KALI** **1**

Name ^	Date modified	Type	Size
7z2201-x64	2022/12/03 13:19	Application	1 539 KB
kali-linux-2022.3-vmware-amd64	2022/12/03 14:49	7Z File	2 592 768 KB

kali-linux-2022.3-vmware-amd64 **Properties** **2** ✕

General | Security | Details | Previous Versions

kali-linux-2022.3-vmware-amd64

Type of file: 7Z File (.7z)

Opens with: 7z 7-Zip Installer   3   Change...

Location: E:\KALI

Size: 2,47 GB (2 654 994 012 bytes)

Size on disk: 2,47 GB (2 654 994 432 bytes)

Created: Saturday, 03 December 2022, 13:21:49

Modified: Saturday, 03 December 2022, 14:49:53

Accessed: Today, 03 December 2022, 4 minutes ago

Attributes: ☐ Read-only   ☐ Hidden   Advanced...

Security: This file came from another   ☐ Unblock
                computer and might be blocked to
                help protect this computer.

5 **OK**   Cancel   **Apply** **4**

5. Right click on the kali-Linux-2022.3-vmware-amd64 file and go to 7-Zip and click "Extract Here".

Open
☁ Move to OneDrive
7-Zip   >   Open archive
⊞ Scan with Microsoft Defender...   Open archive
↪ Share   Extract files...
Open with...   **Extract Here**
Restore previous versions   Extract to "kali-linux-2022.3-vmware-amd64\"
Send to   >   Test archive
                                                   Add to archive...
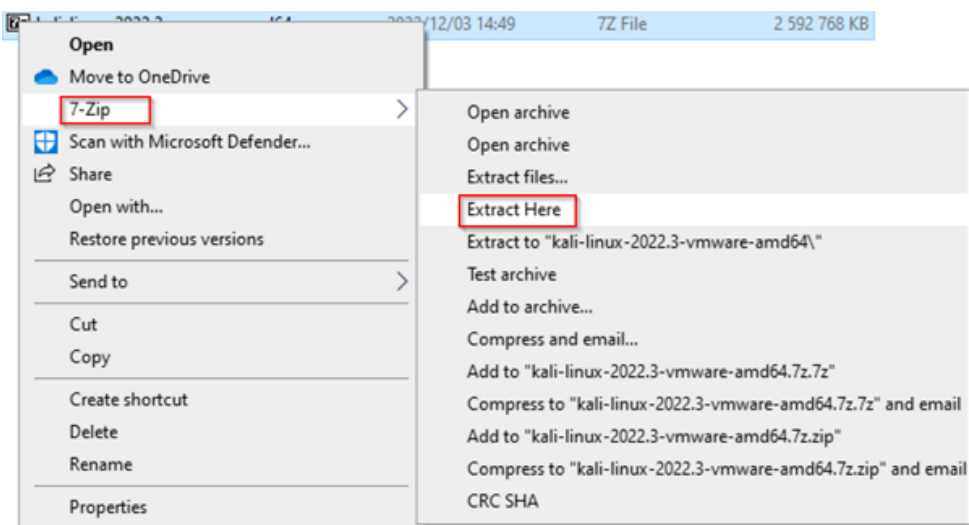Cut   Compress and email...
Copy   Add to "kali-linux-2022.3-vmware-amd64.7z.7z"
Create shortcut   Compress to "kali-linux-2022.3-vmware-amd64.7z.7z" and email
Delete   Add to "kali-linux-2022.3-vmware-amd64.7z.zip"
Rename   Compress to "kali-linux-2022.3-vmware-amd64.7z.zip" and email
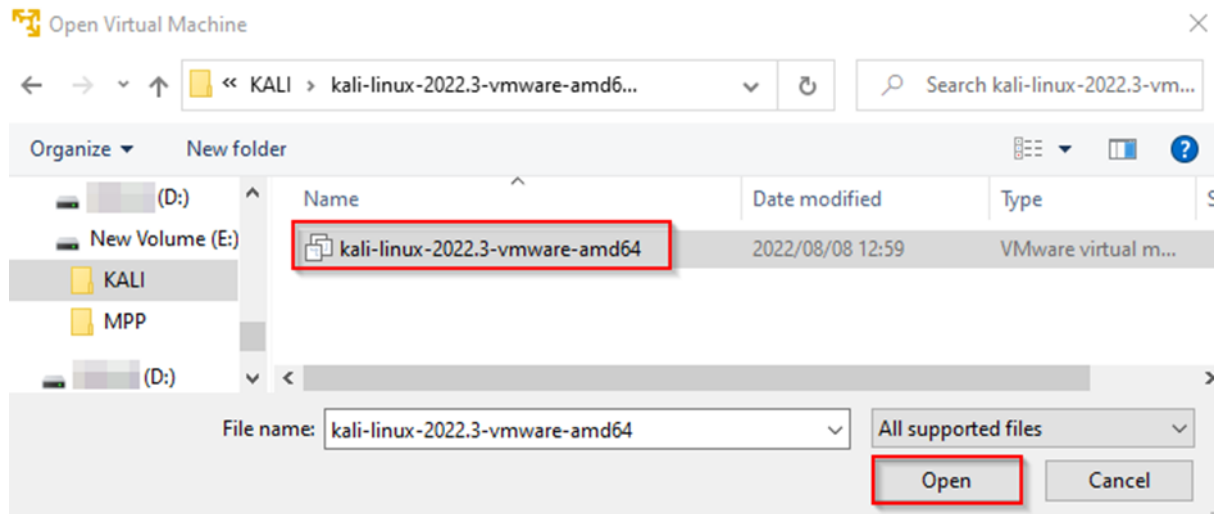Properties   CRC SHA

6. Once you have managed to extract the file, go to the VMware WorkStation 17 Player, and click on "Open a Virtual Machine".
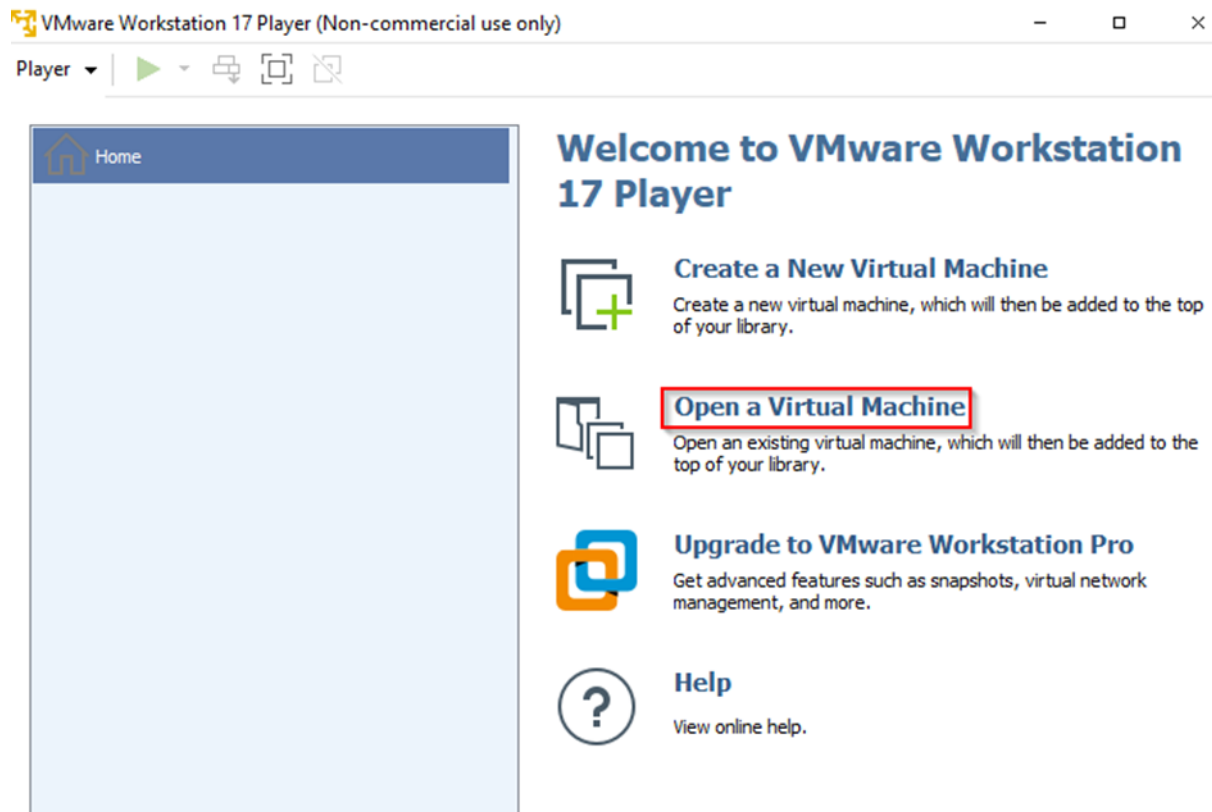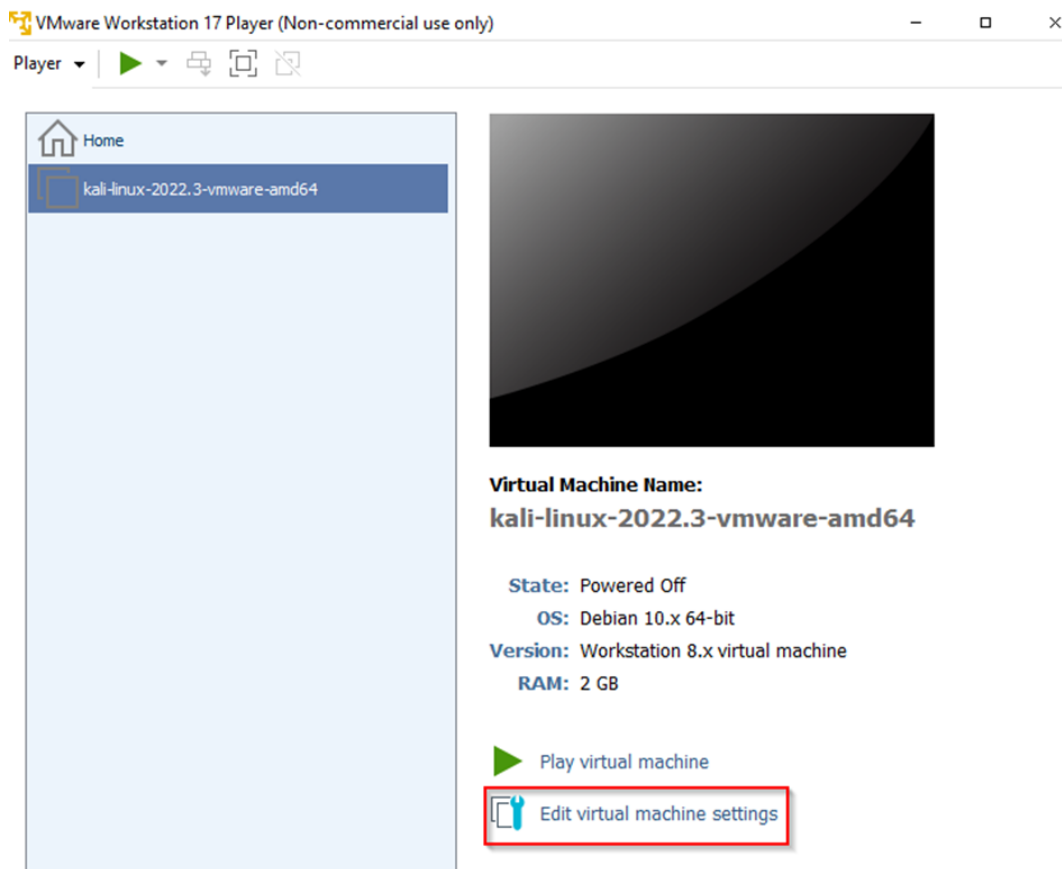

7. It should direct you to the kali-Linux-2022.3-vmware-amd64."vmwarevm" file. Double click it .
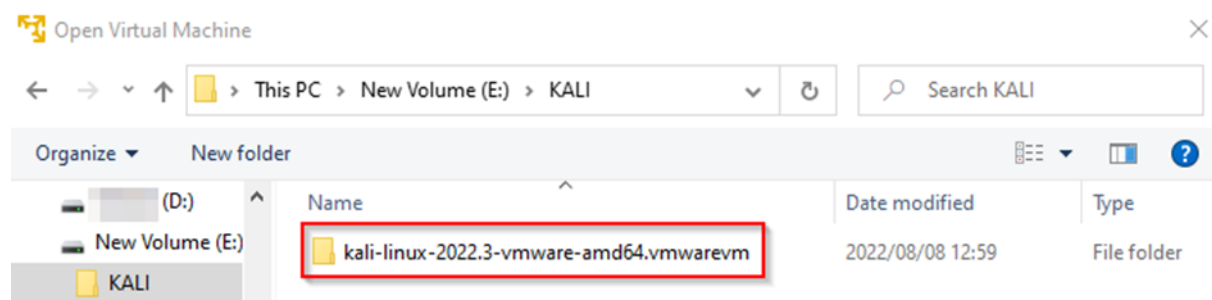
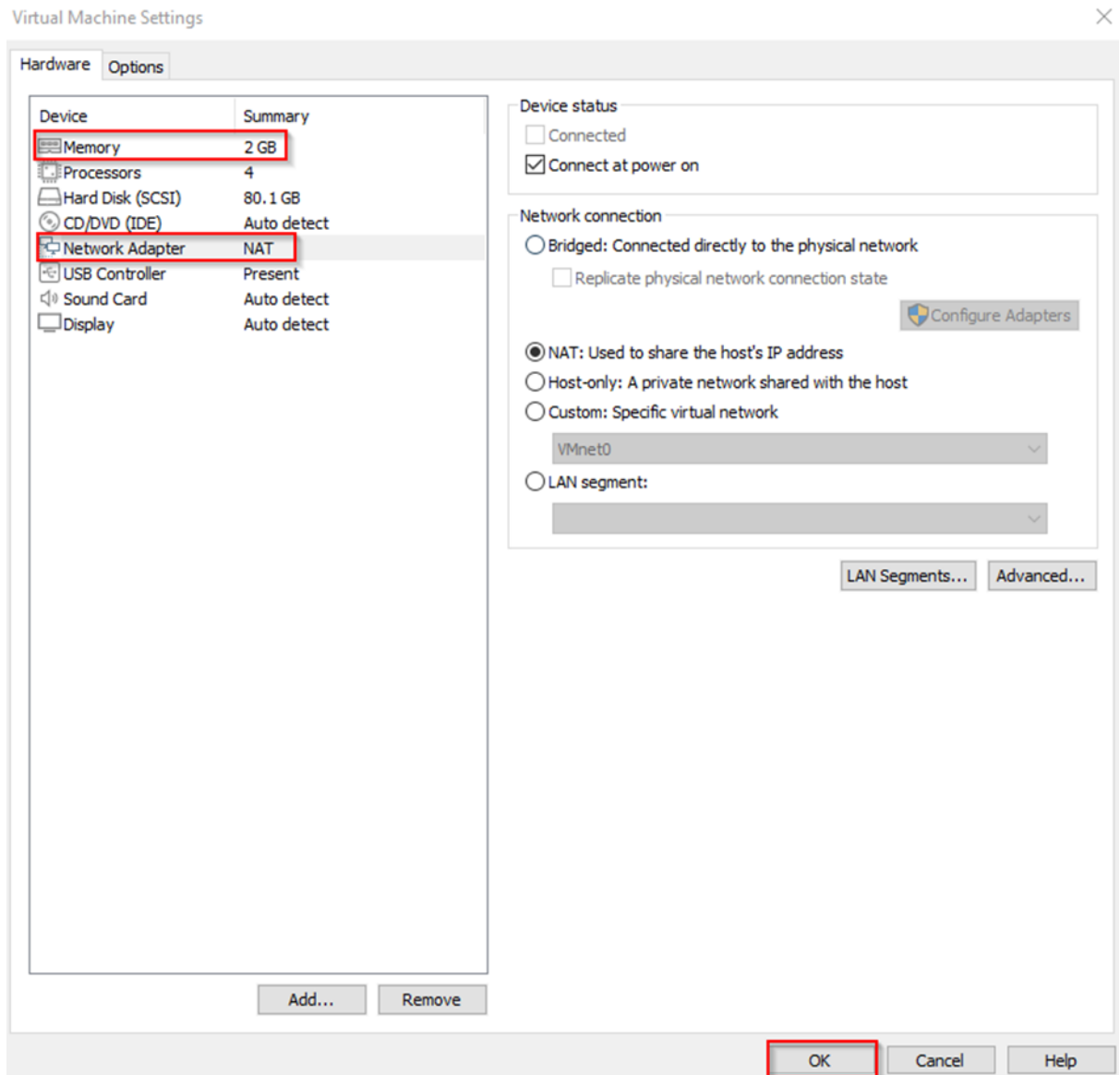8. Double click the kali-linux-2022.3-vmware-amd64 file and press "Open".

9. After the above instruction you should see the image below. Click on "Edit virtual machine settings".
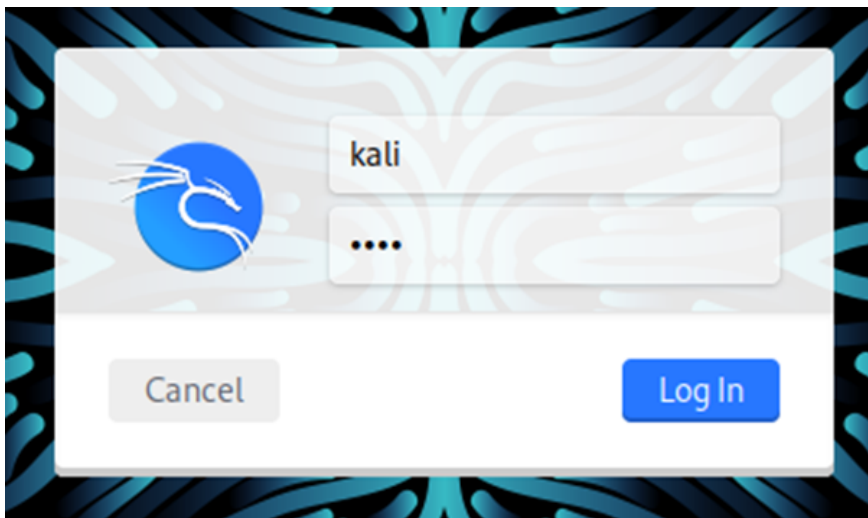
10. On the virtual machine settings:

- Memory: Use 4GB of RAM, unless you have an 8GB RAM machine or less, then select 2 GB of RAM.
- Network Adapter: Select NAT.
- Click on "OK".

11. Go to "Play Virtual Machine".
12. Both the username and password are "kali".

MACOS INSTALLATION

- Go to **https://mac.getutm.app/** and click download to install the UTM virtual machine software.

- Go to the **Kali Linux website**, click on installer images, and download the one that is relevant to you.

- Start up UTM, click "Create a New Virtual Machine", and then select "Virtualize".

- From the list of operating systems, select "Other", then click "Browse". Find the Kali Linux **.iso** file that you downloaded previously.

- Once selected, click "Continue" and move the Memory slider to 2048 MB.

- For storage, input 32 GB.

- You should now be on the Summary page. Give your virtual machine a name (e.g. Kali Linux), check the box next to Open VM Settings, and click "Save".

- The settings panel for your VM should now appear.

- In the left-hand pane, select "New", click "Serial", and then "Save".

- Click the big play button to start the machine and begin the installation process. You'll see two windows pop up, you want to work in the Terminal 1 window.

- Select "Install" and work your way through the Kali Linux installation process.

- When prompted to create a username and password for your account, you want to make both of these "kali".

- When you reach the partitioning section, choose "Guided – use entire disk".

- You will eventually be prompted to select a software to install. Make sure you only select "GNOME" and "default — recommended tools…", then continue.
- **Important:** Once the installation has finished (and you see the "Finish the Installation" window), click the top right icon called "Drive image options" and eject the image file as shown in the image below.
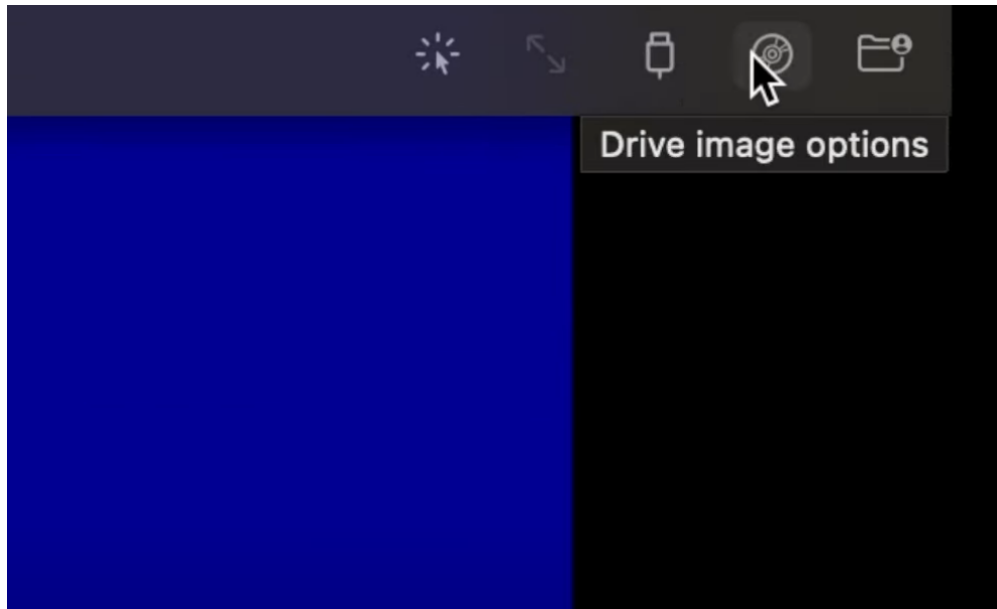
- Finally, choose to continue, which will restart the virtual machine. The Kali Linux desktop will boot up. You do not need to do anything here; simply wait and the login screen should appear after about 10 seconds.
- Input your username and password, which should both be "kali".