

# Kali Linux Operating System

## Downloading Your operating systems (Kali Linux)

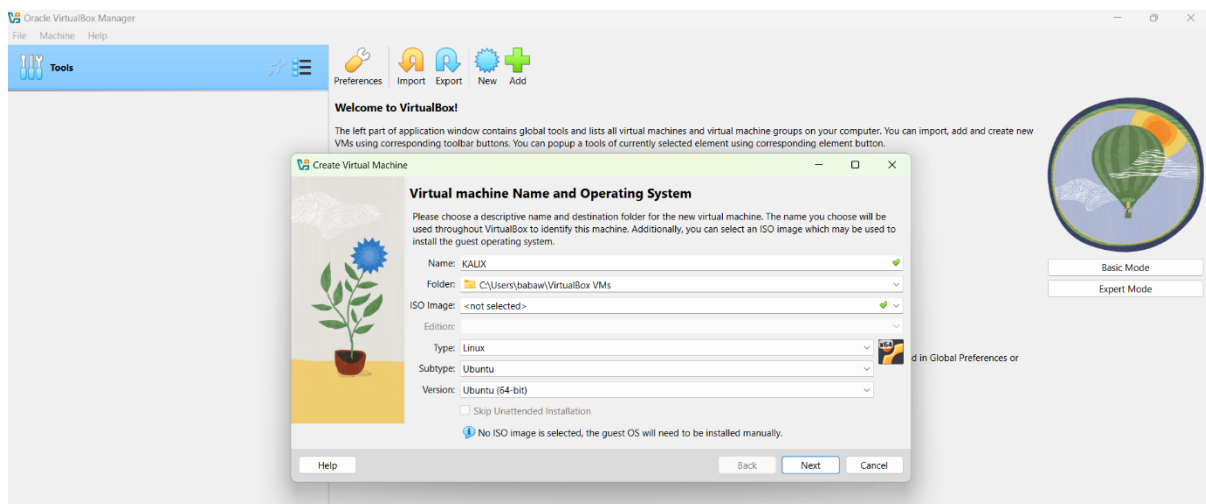
We need an operating system (OS) to install on our Virtual Machines. You could do this with a physical disc if you wanted, but most of the time you will want to download.

The easiest way to find what you're looking for is to simply google the name of your operating system and you should ONLY download from official websites.

<https://kali.download/base-images/kali-2025.1a/kali-linux-2025.1a-virtualbox-amd64.7z>

This means you shouldn't download from a website like "sneakyfreedkeys.com"

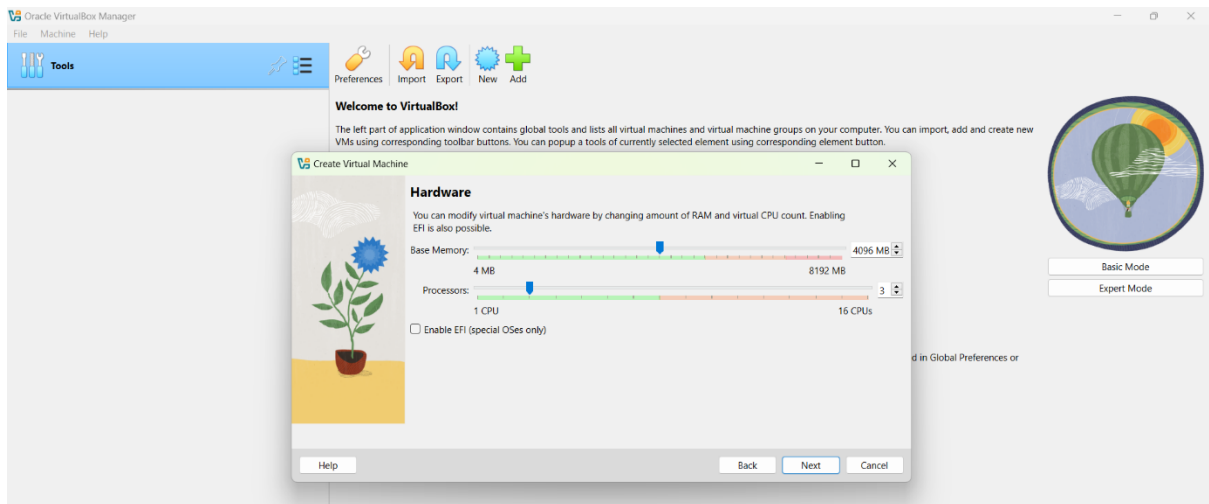
After the download, I extracted to a specific folder on my device, you can use WinRAR or similar apps can be of help.



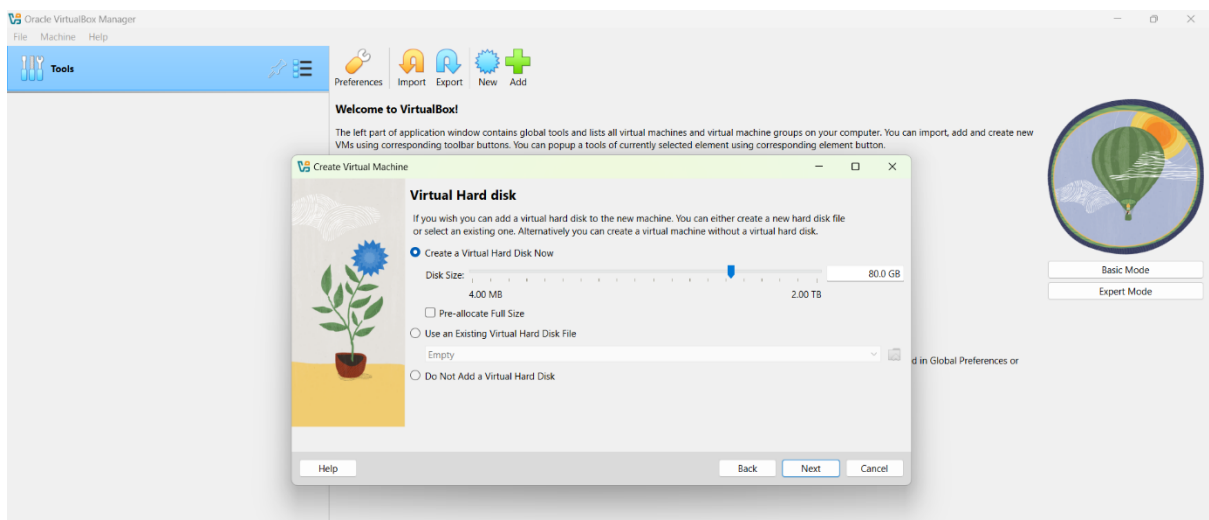
I will be creating name for Kali Linux, so I picked specific name "KALIX" you can choice any name you preferred. I selected type to be Linux, Subtype to be Ubuntu and the version to be Ubuntu (64 bit).

Note: Your device version might be different.

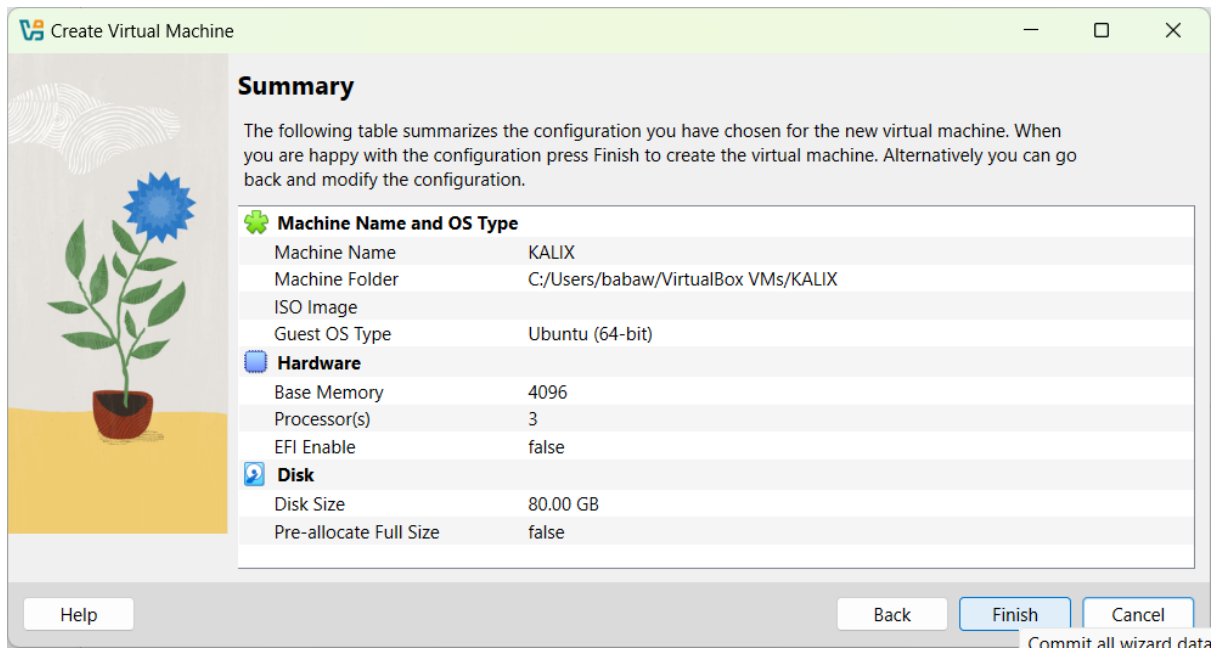
Click on next



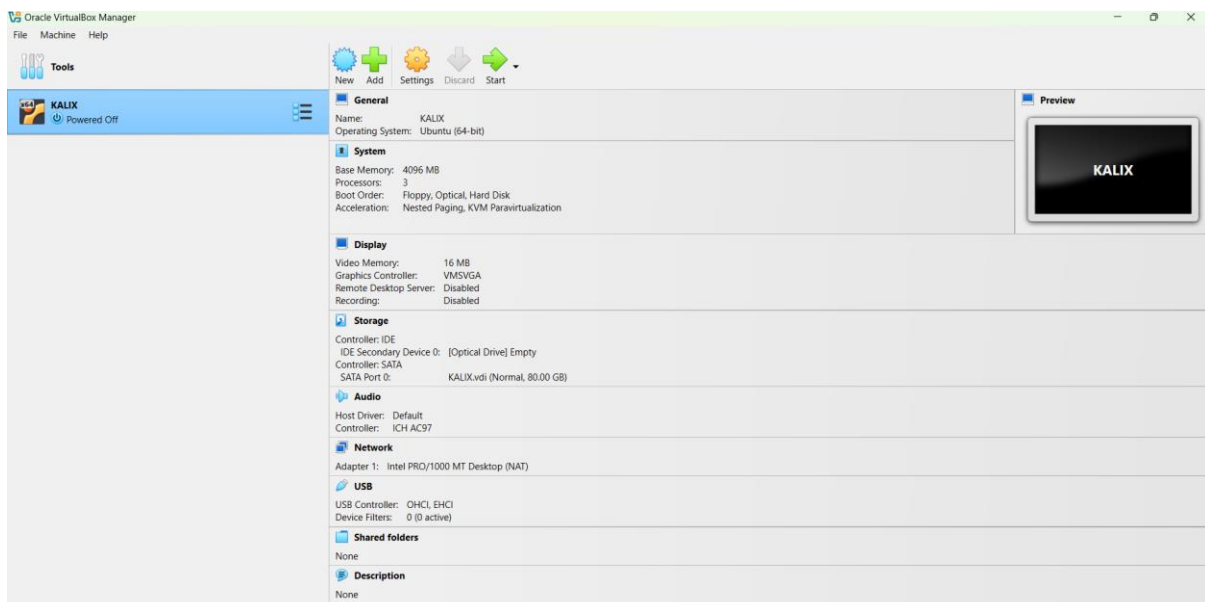
I allocated 4096 MB (4gb) of RAM and 3 unit for CPU then I will click on next, this will open another window for creating the Virtual Hard Disk. The default options here are all fine except for the File Size. I am going to set my new HDD to 80GB and then choose next for preview



Since this HDD is going to be dynamically allocated (option on the middle-right of the screenshot below), the HDD file will only be as large as the amount of data stored on it - and a maximum of 80GB



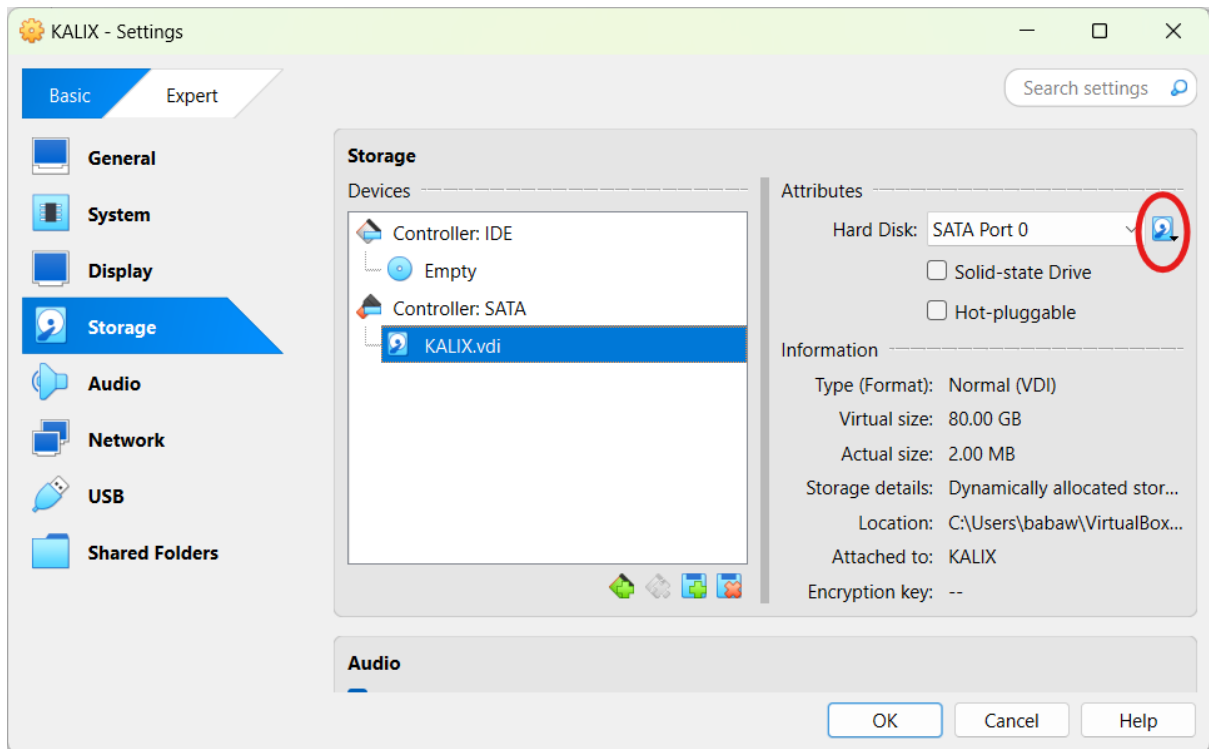
After cross-checking and satisfied with my setup, I clicked on finish. Now you will see 'KALIX' listed on the VirtualBox dashboard. Before we start the VM we can modify the settings of the VM if we want. Generally you might want to assign more processors, change the networking adapters and mount.



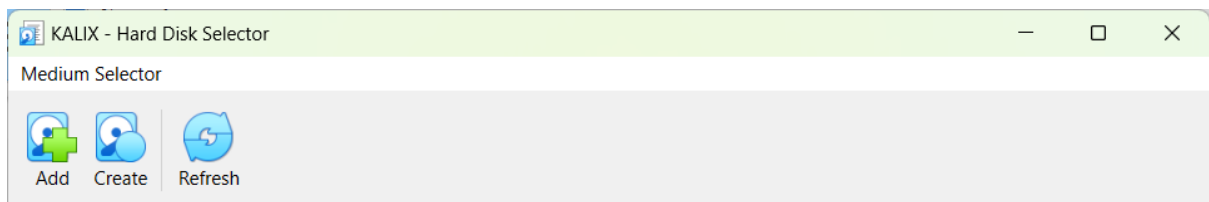
Pro tip: Storing the VM's hard disk file on an SSD will also significantly increase the VMs performance.

## Kali Linux mounting:

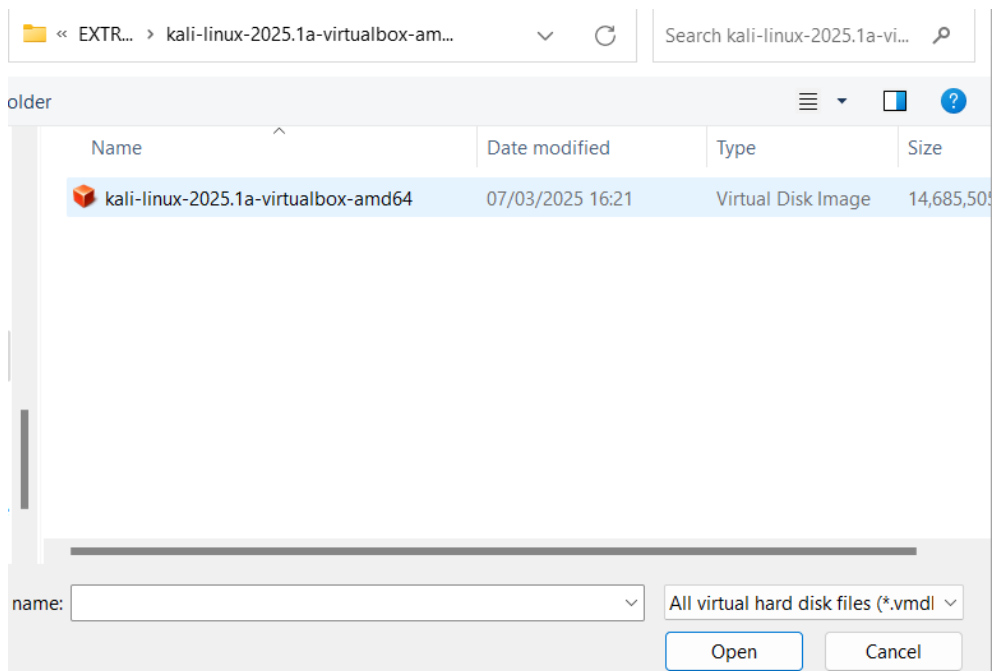
Click on setting and scroll down to storage then select the KALIX.vdi



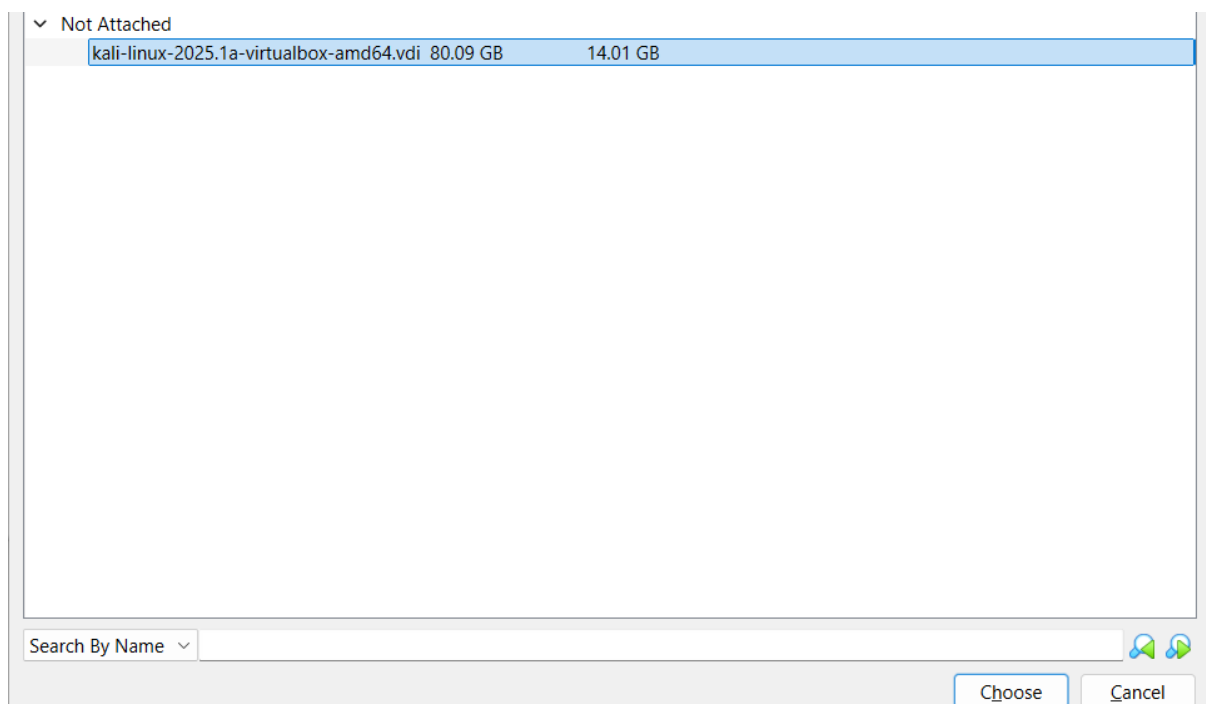
This will allow you to select the pathway for your Virtual Hard Disk selecting file by clicking on the icon indicated in the above illustration.



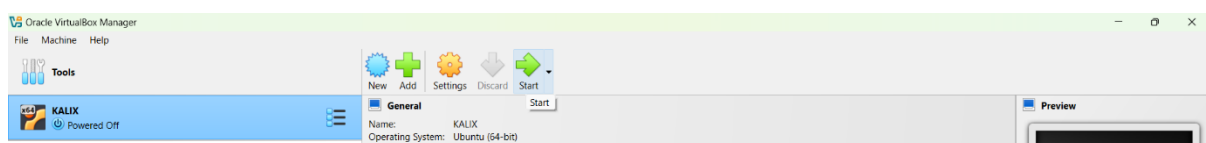
Load medium by clicking on Add icon and locate the file you want to mount.



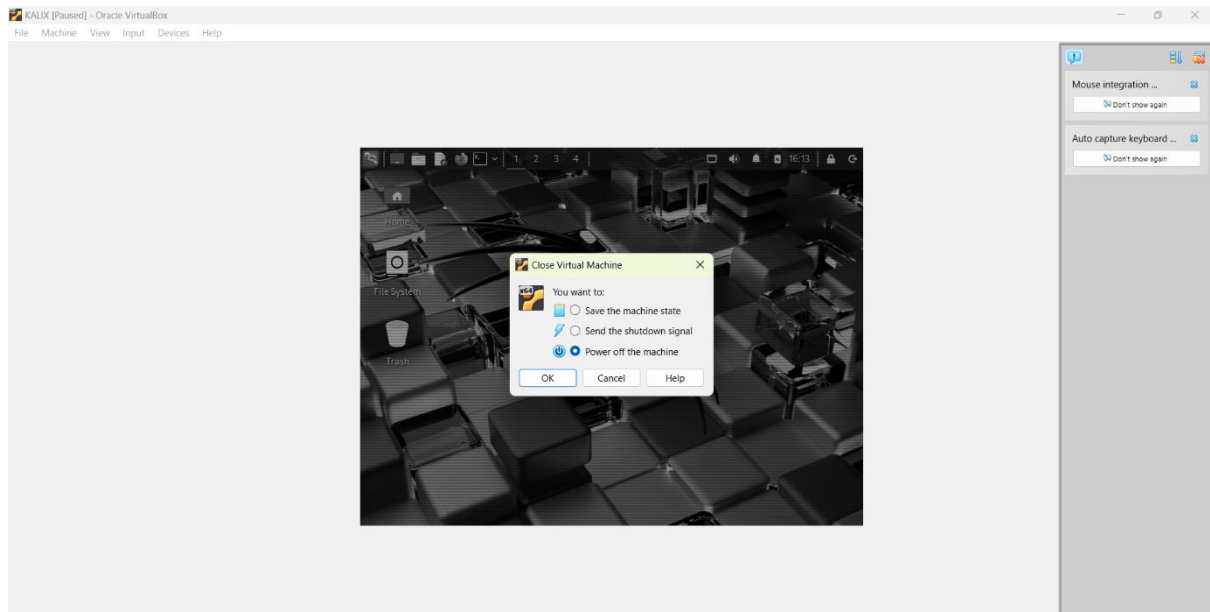
In this case I located the extracted Kali Linux file downloaded and extracted earlier into folder and select to load.



Select and click Choose, my Kali Linux has completed the mounting phase and ready to work.



To finally run OS, click on start as indicated in the picture above and it will power up.



That's it! Now you can create some awesome IT labs and get more IT experience!