

WEEK-1

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DHC-56

TASK-2:

Set Up a Virtual Machine:

Required:

- Install: Set up a Virtual Machine (VM) using VirtualBox or VMware with a Linux distribution (e.g., Ubuntu or Kali Linux).
- Task: Document the setup steps briefly.

Kali Linux VM

For this task , we are required to make a VM of a linux distribution . I will be doing this for kali linux which is a powerful linux distribution especially designed for pentesting and it contains a lot of security tools.

Download Resources:



To make a VM , we require two things . A software **Virtual Box** and a **distribution file(.exe)**.

Links for these are given under:

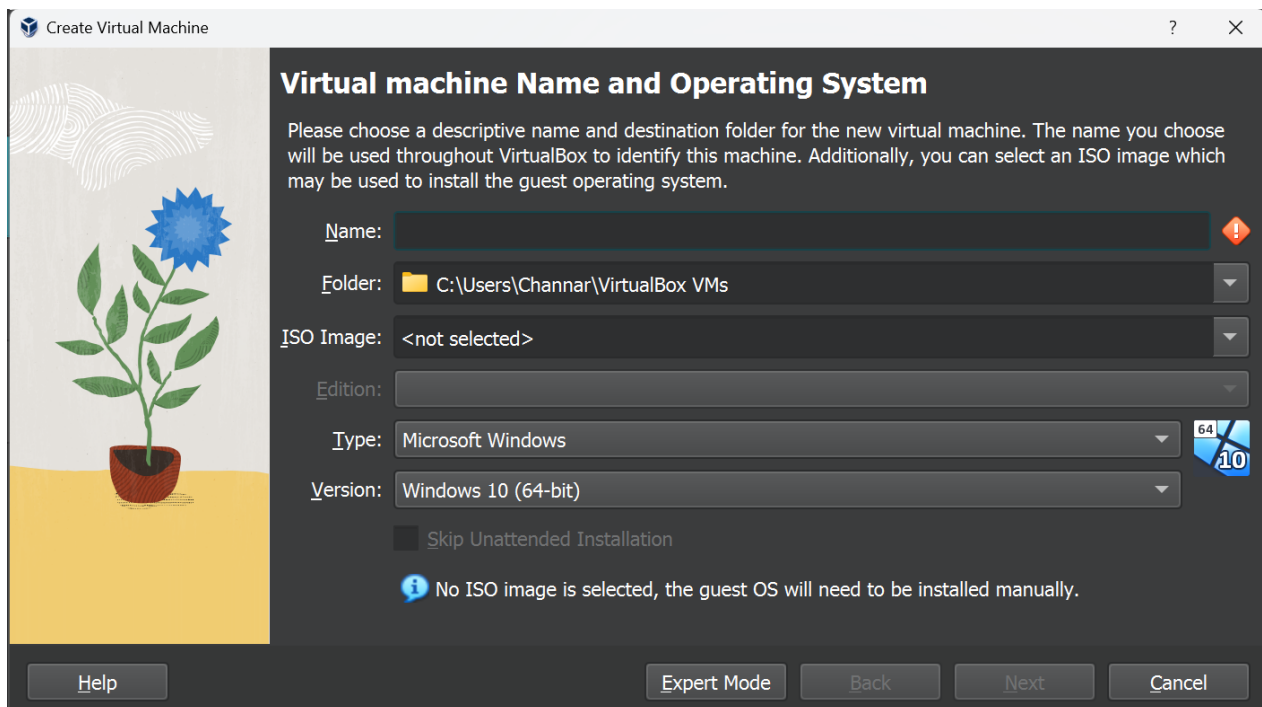
- [Download Kali linux file](#)
- [Download Virtual Box](#)

Installation:

An .exe file of virtual box and kali linux are downloaded . Now , we have to install it and keep the default settings.

Name	Date modified	Type	Size
> Today			
v Earlier this year			
 VirtualBox-7.0.18-162988-Win.exe	5/12/2024 4:56 AM	Application	107,130 KB
 kali.iso	7/31/2024 2:32 PM	Disc Image File	4,212,054 KB

After the installation of virtual box click the **New tab** on the toolbar . A window like below will open . Set the name of the VM . The folder where you want to keep your VM . The Iso image we just downloaded select that in the required space . Now In the end , Select **type Linux** and **Version Debian 64-bit or 32-bit** as per your system then hit next.



Virtual machine Name and Operating System

Please choose a descriptive name and destination folder for the new virtual machine. The name you choose will be used throughout VirtualBox to identify this machine. Additionally, you can select an ISO image which may be used to install the guest operating system.

Name:

Folder:


ISO Image:

Edition:

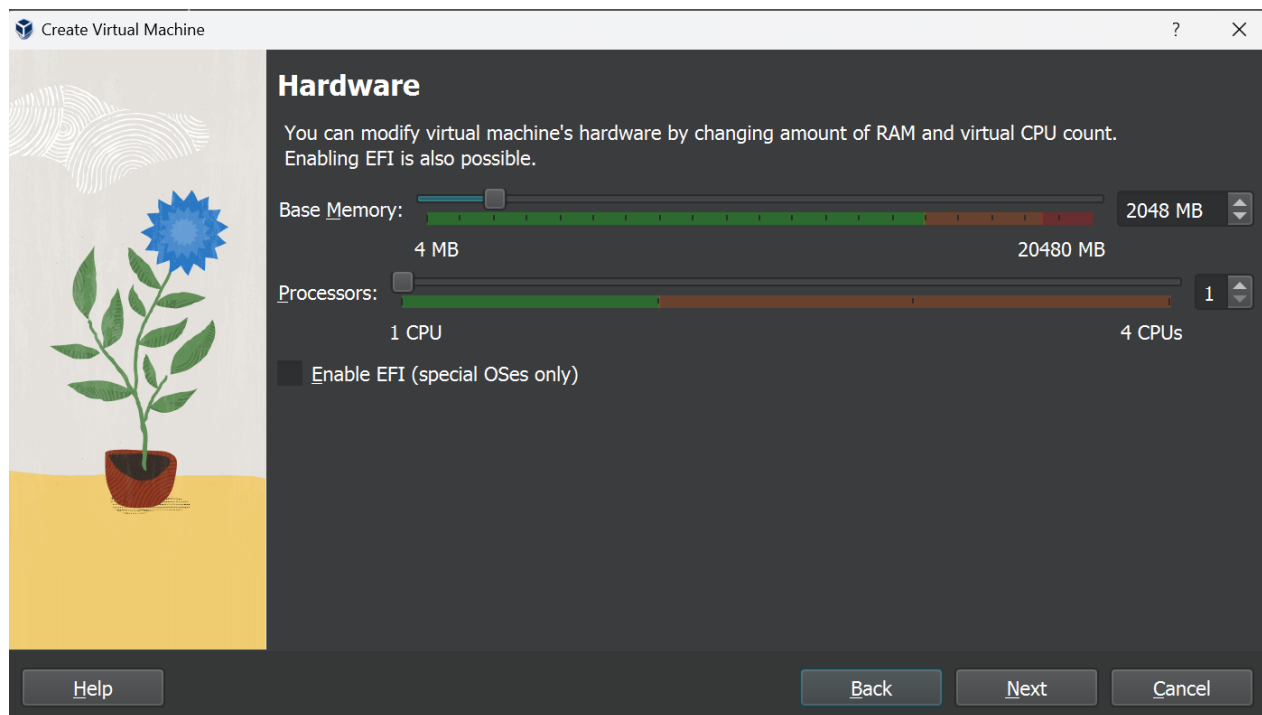
Type:

Version:

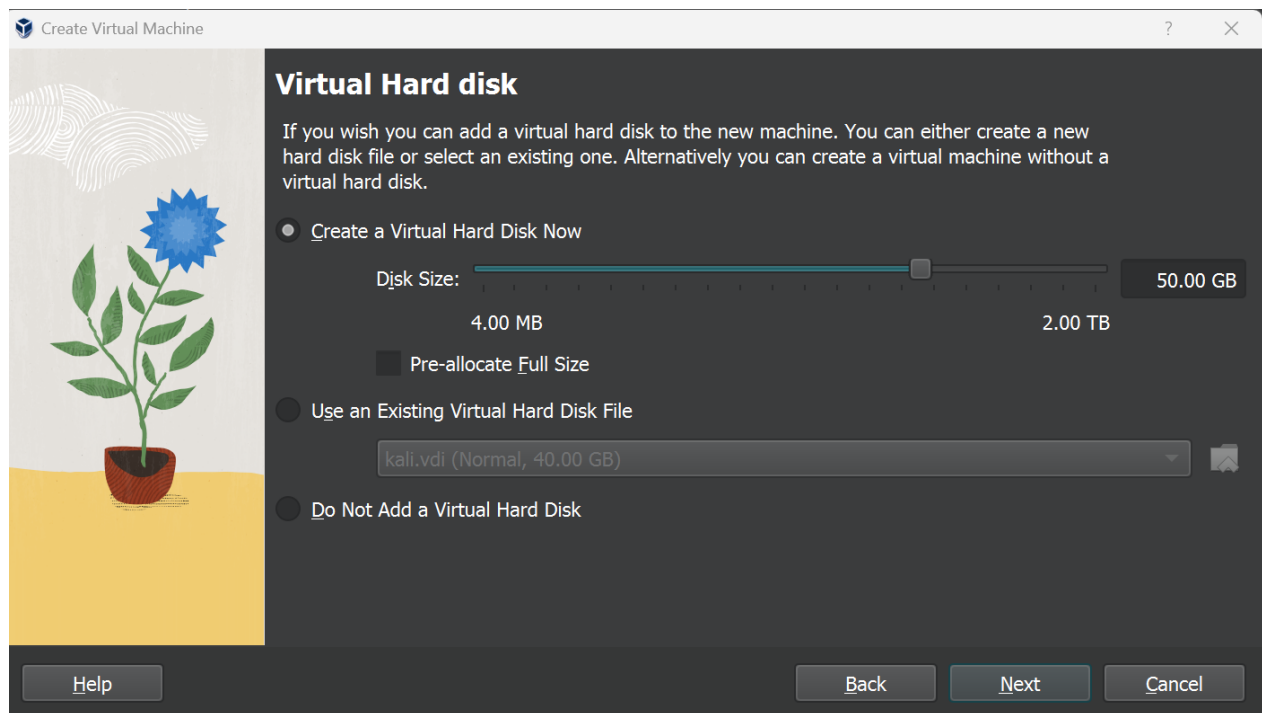
☐ Skip Unattended Installation

 No ISO image is selected, the guest OS will need to be installed manually.

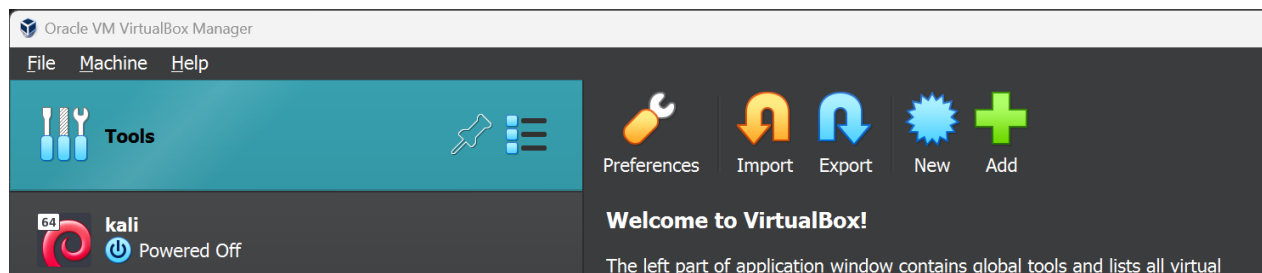
Then a hardware menu appears , select the memory and the no. of processors for your VM . For a good working of a kali VM , base **memory** should be at-least **4GB** and **processors 2** .



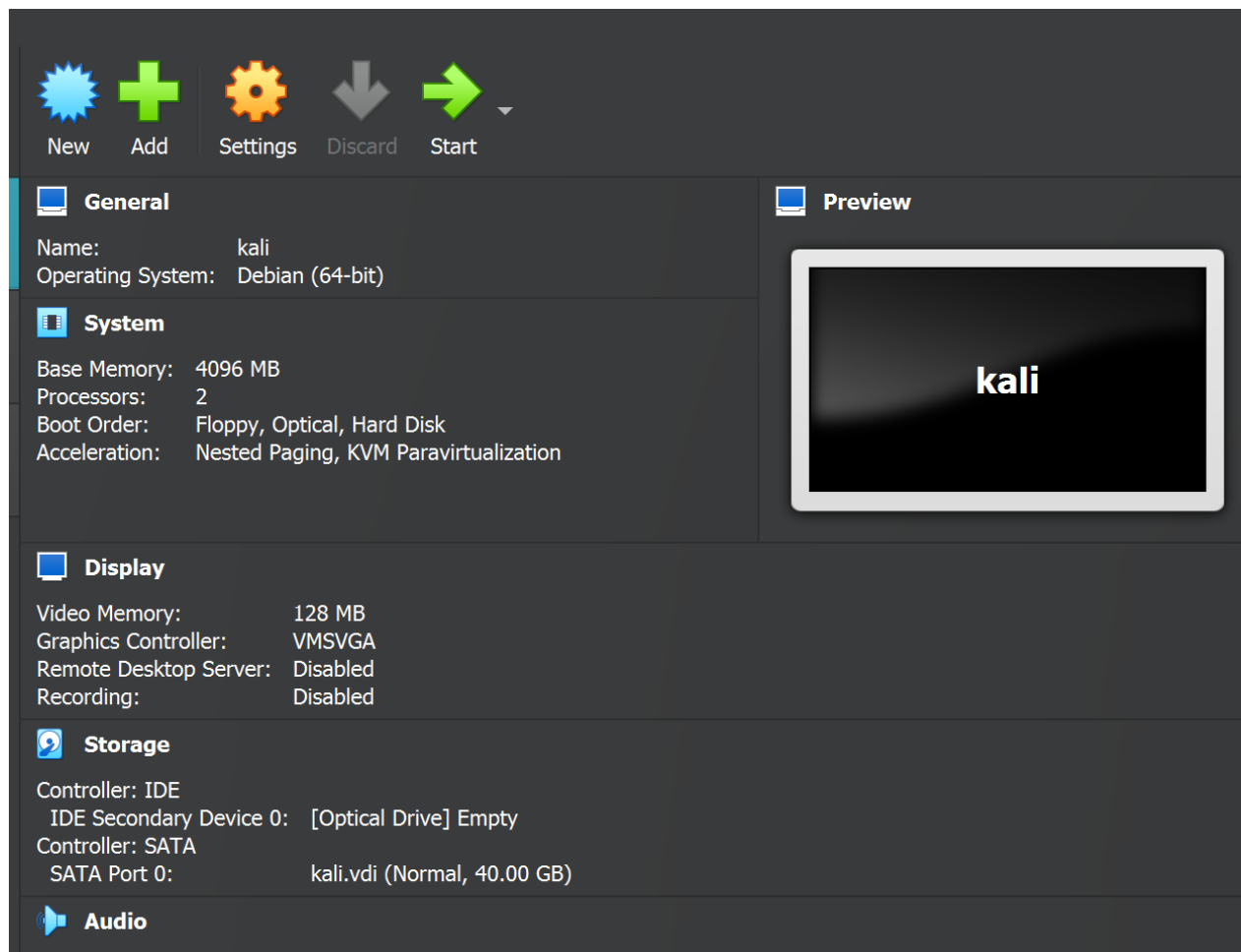
Then it will ask you to you select the **storage size** of VM . At-least give **40GB** to function properly and select **Create new virtual disk**.



Then hit Next . Your Kali VM is just created .



Power on the VM and keep all the options default . You can always change it's settings in the setting Menue.



That's it!