




Week-1:

Create a Windows 10 Virtual Machine on Windows with Oracle Virtual Box

Creating a virtual desktop using Oracle Virtual Box involves the following steps:

1. Download and Install VirtualBox

- **Download:** Visit the [VirtualBox website](#) and download the latest version for your operating system.

 Windows	24-12-2024 13:27	Disc Image File	47,79,200 KB
 MediaCreationTool_22H2	24-12-2024 12:03	Application	19,008 KB
 VirtualBox-7.1.4-165100-Win	24-12-2024 11:54	Application	1,08,437 KB

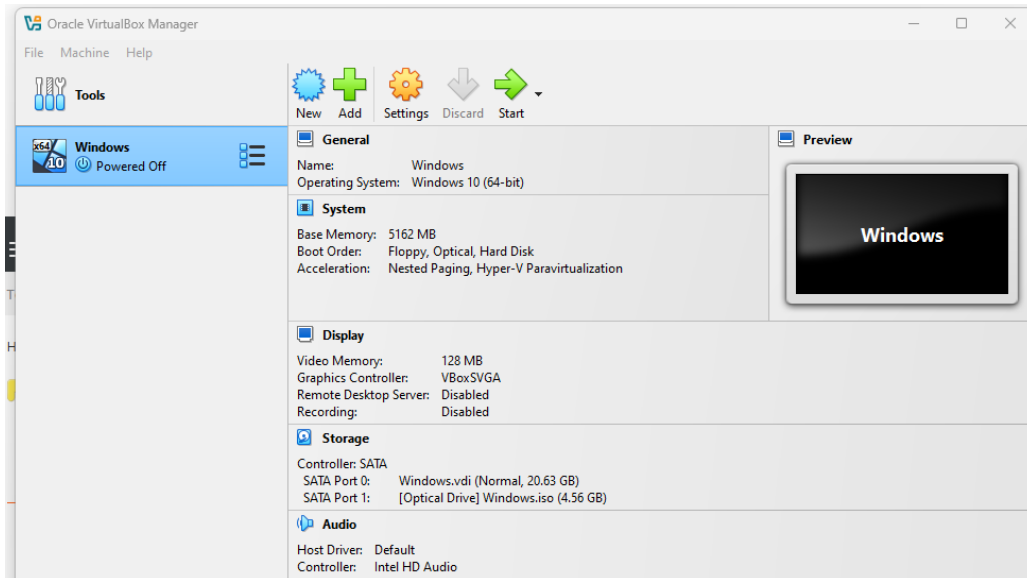
- **Install:** Run the downloaded installer and follow the on-screen instructions.

2. Download the Guest Operating System ISO

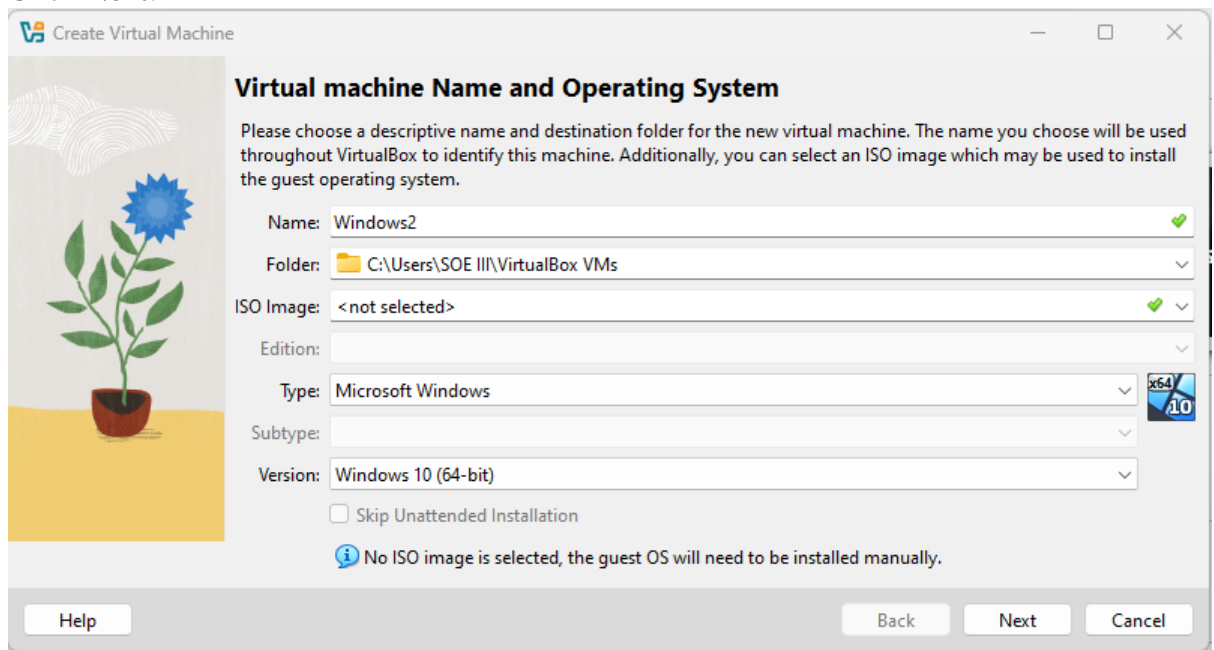
- Obtain the installation ISO file for the operating system you want to use as the virtual desktop. For example, Windows, Linux distributions (Ubuntu, Fedora, etc.), or macOS (if permitted).

3. Launch VirtualBox and Create a New Virtual Machine

1. Open Oracle VM VirtualBox Manager.



- 2.
3. Click on **New** to start creating a virtual machine.
4. Provide the following details:
 - **Name:** Enter a name for your virtual machine.
 - **Type:** Select the operating system type (e.g., Linux, Windows).
 - **Version:** Choose the specific OS version from the dropdown.
5. Click **Next**.

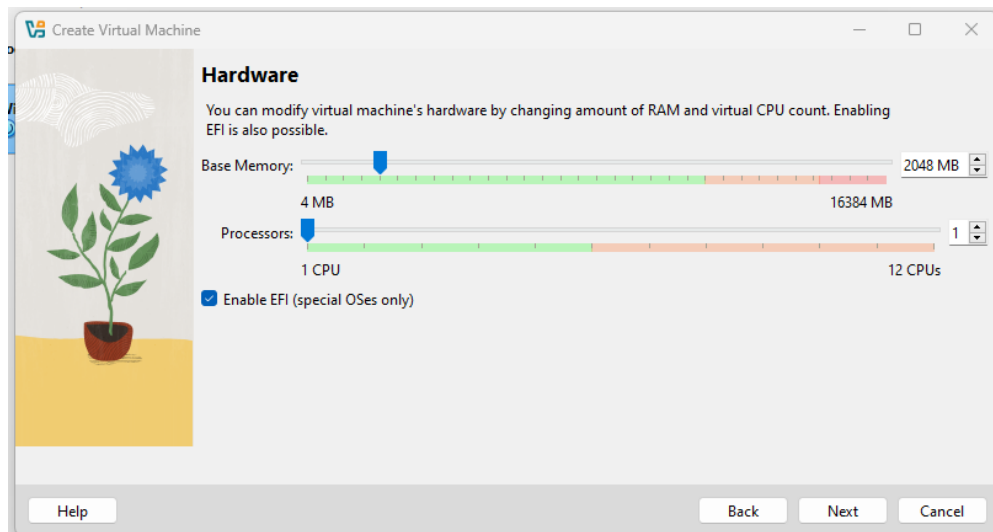


6.

4. Configure Virtual Machine Resources

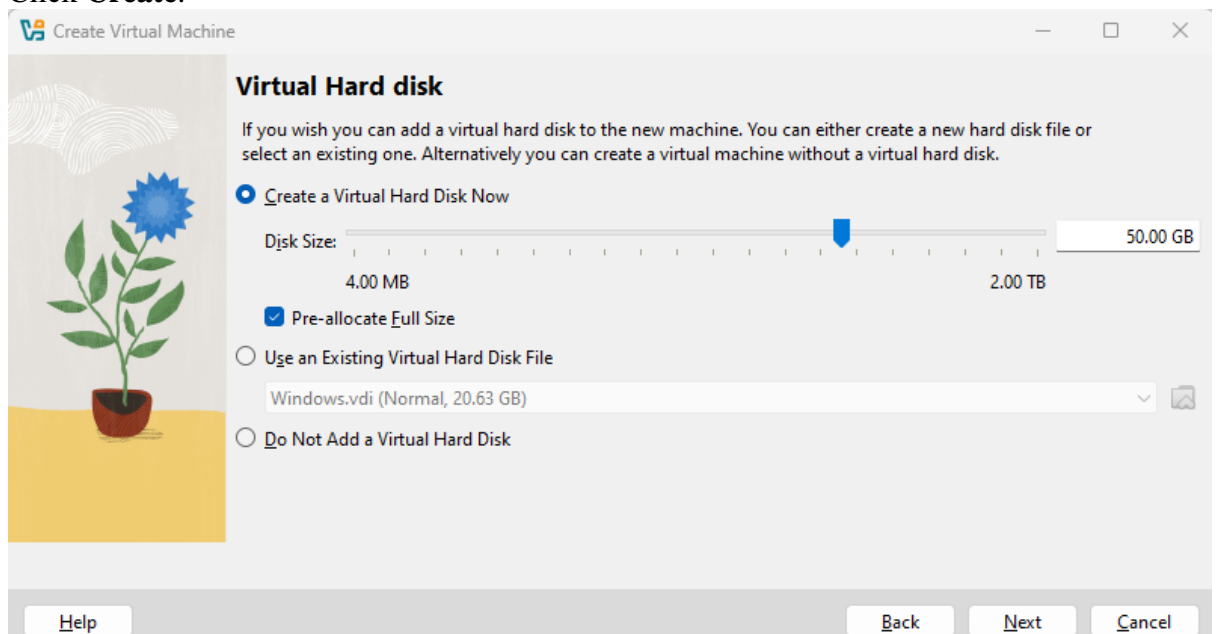
1. **Memory (RAM):**
 - Allocate the amount of RAM for the VM (recommended: at least 2 GB for lightweight OS or more for heavier OS).
 - Ensure the allocation doesn't exceed your system's available RAM.
2. **Hard Disk:**
 - Choose **Create a virtual hard disk now**.

- Click **Create**.

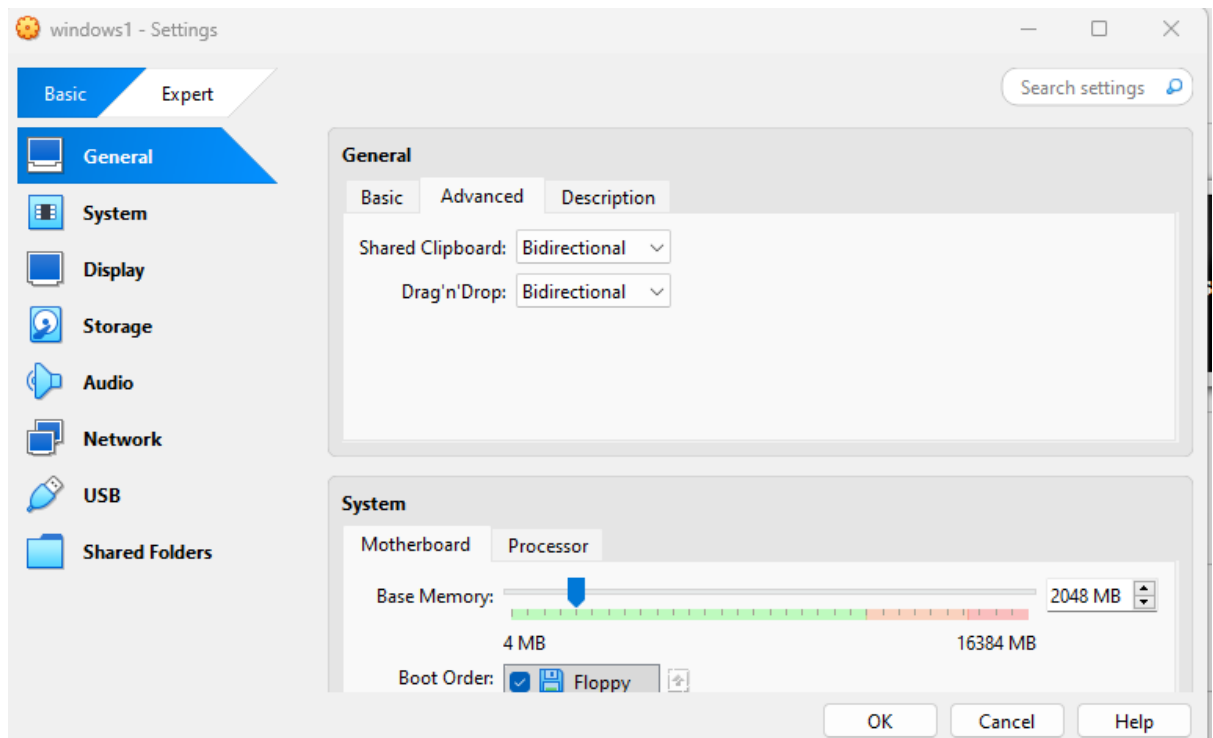
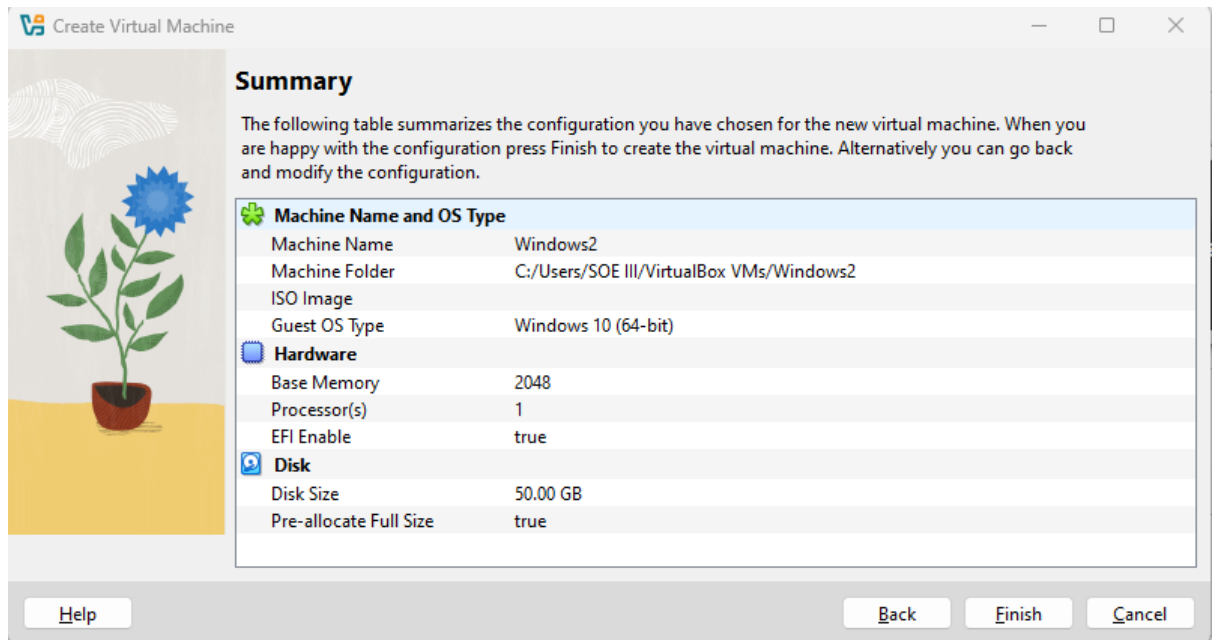


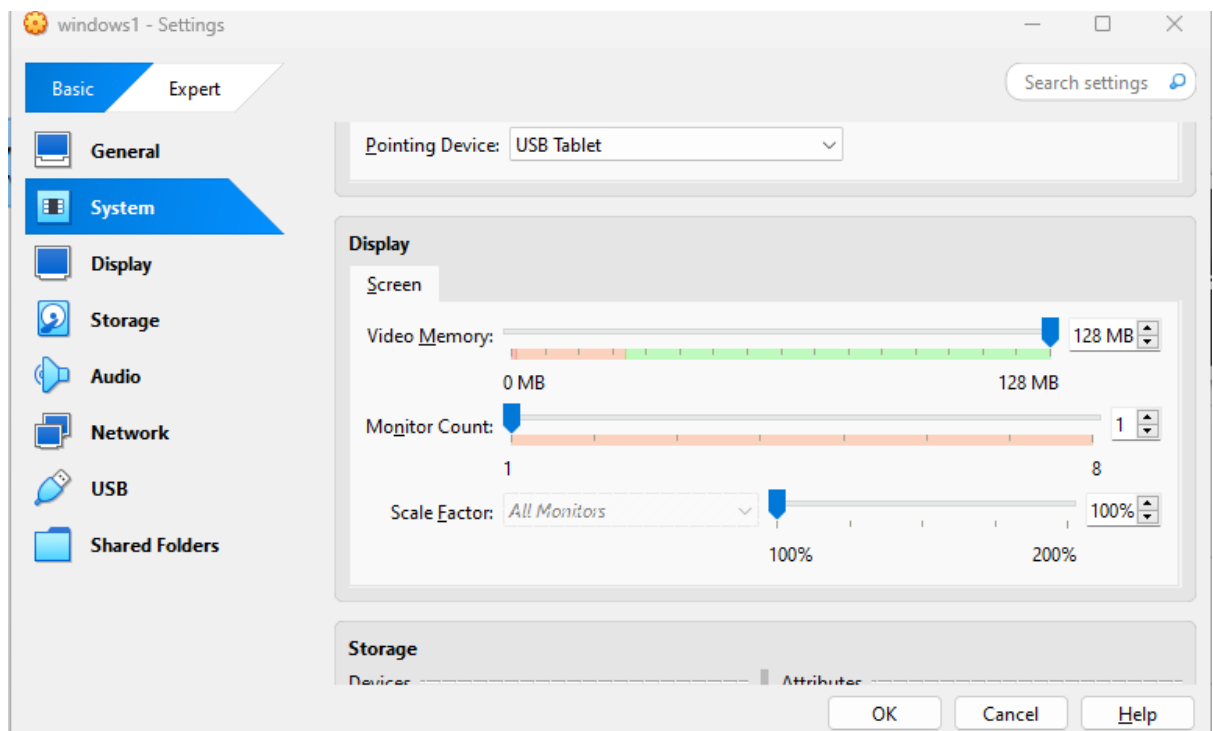
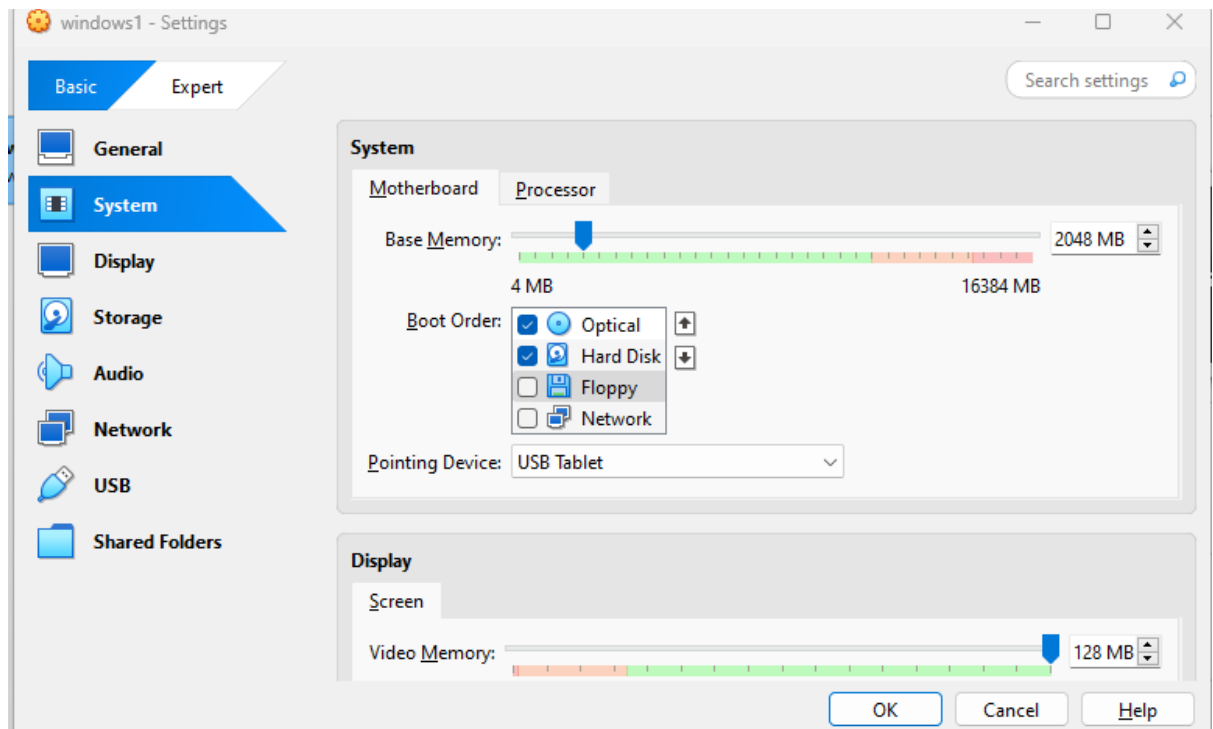
5. Select the Hard Disk File Type

1. Choose the virtual hard disk file type (default: **VDI** - VirtualBox Disk Image).
2. Select **Dynamically Allocated** or **Fixed Size**:
 - **Dynamically Allocated**: Uses disk space as needed (more flexible).
 - **Fixed Size**: Preallocates disk space (better performance).
3. Specify the disk size (e.g., 50 GB) and location.
4. Click **Create**.



5.





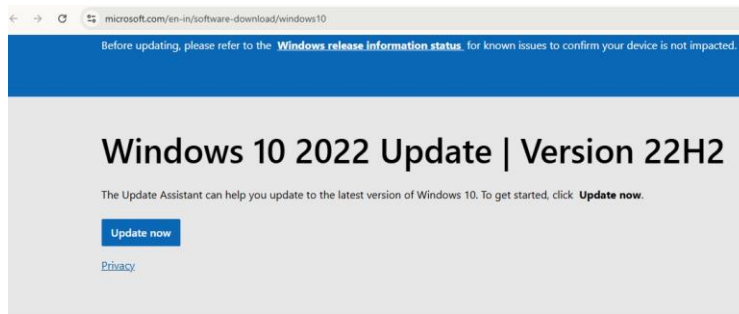
6. Attach the Operating System ISO

To create Operating System ISO

Steps:

1.Download the Create windows 10 installation media from browser

2.Double click on it

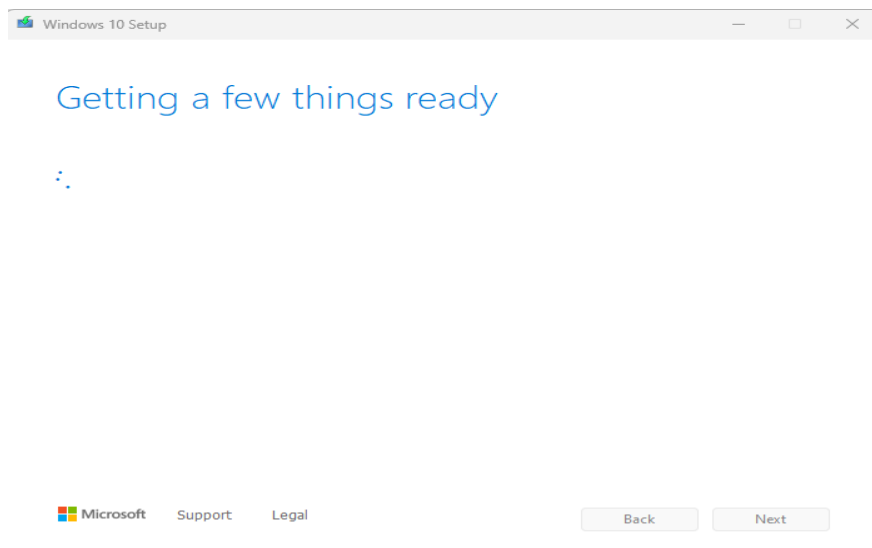


Create Windows 10 installation media

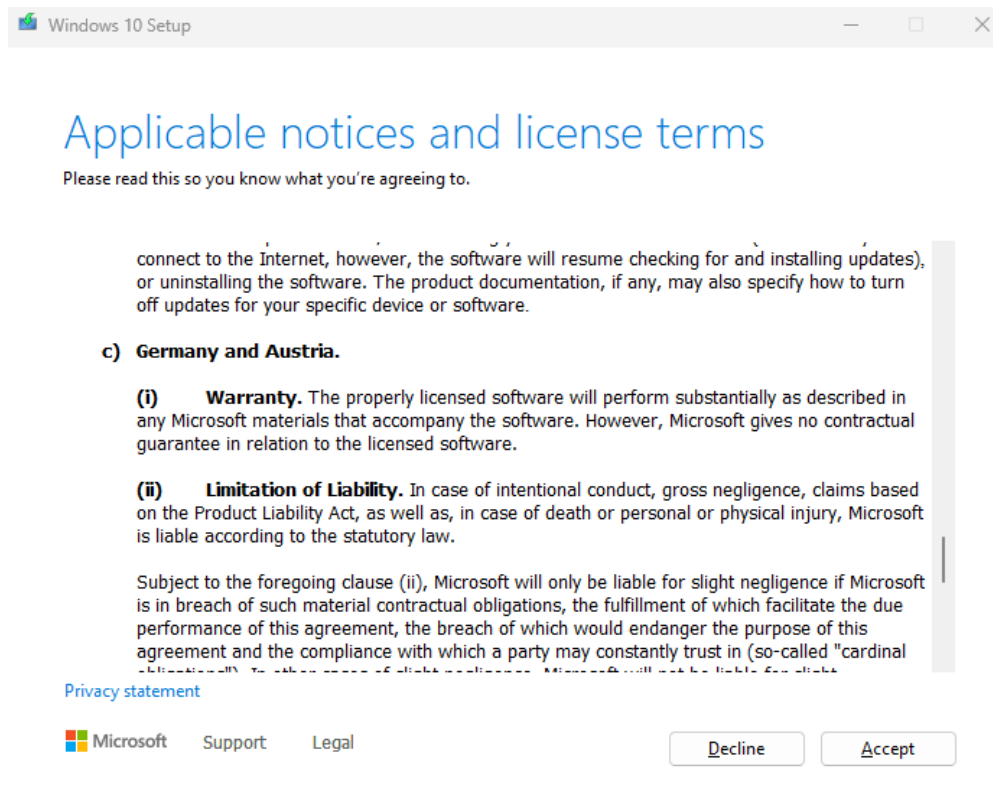
To get started, you will first need to have a licence to install Windows 10. You can then download and run the media creation tool. For more information on how to use the tool, see the instructions below.

[Download Now](#)

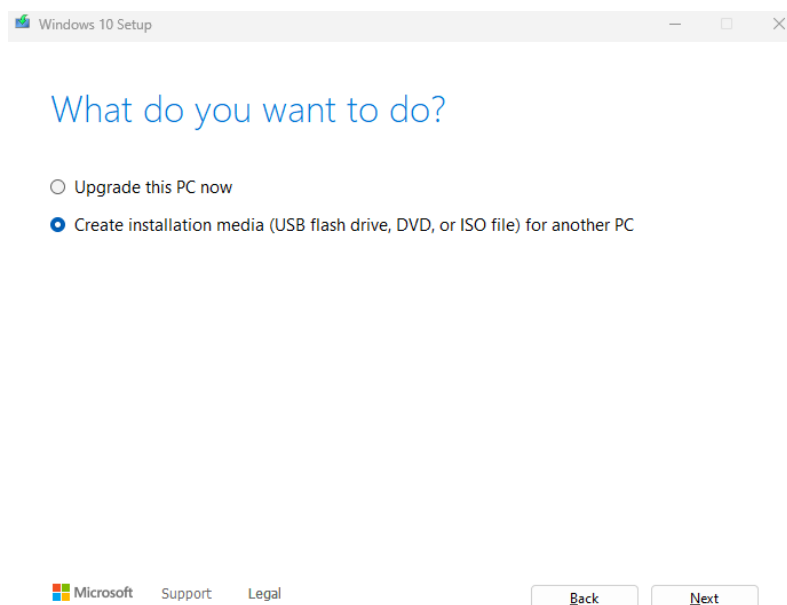
[Privacy](#)



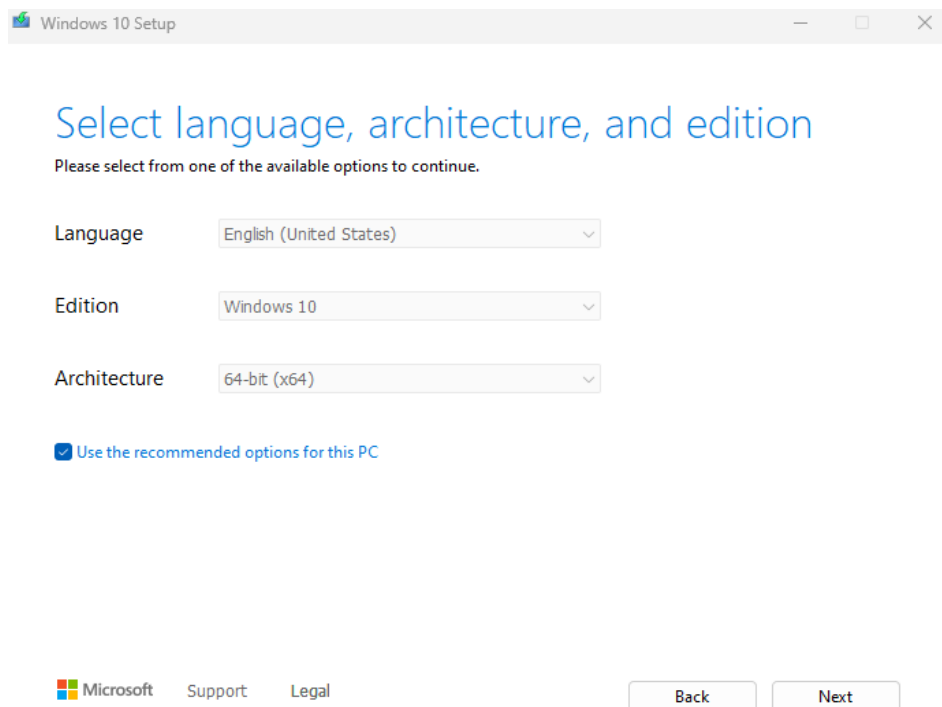
3.Click on Accept.



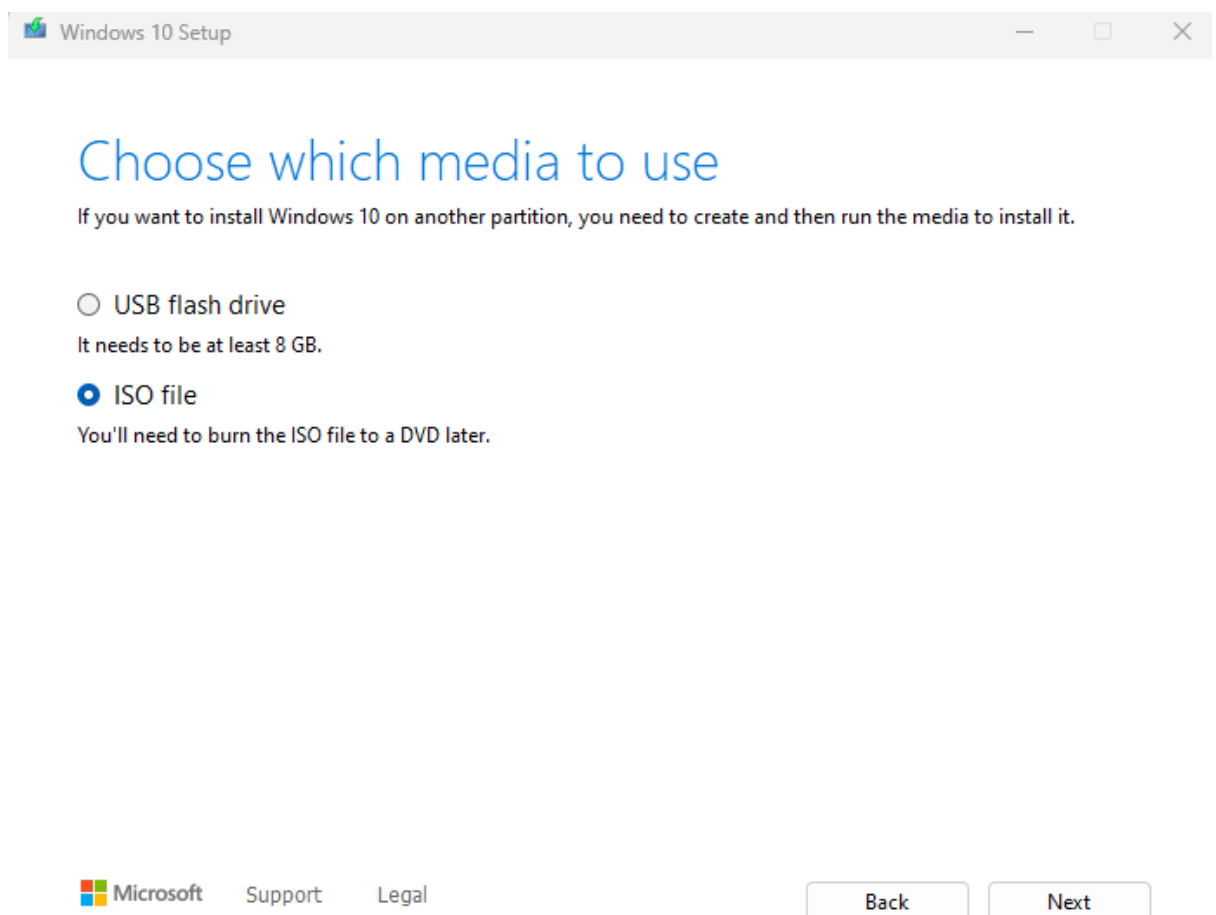
4. Select Create installation media for another PC, click on Next



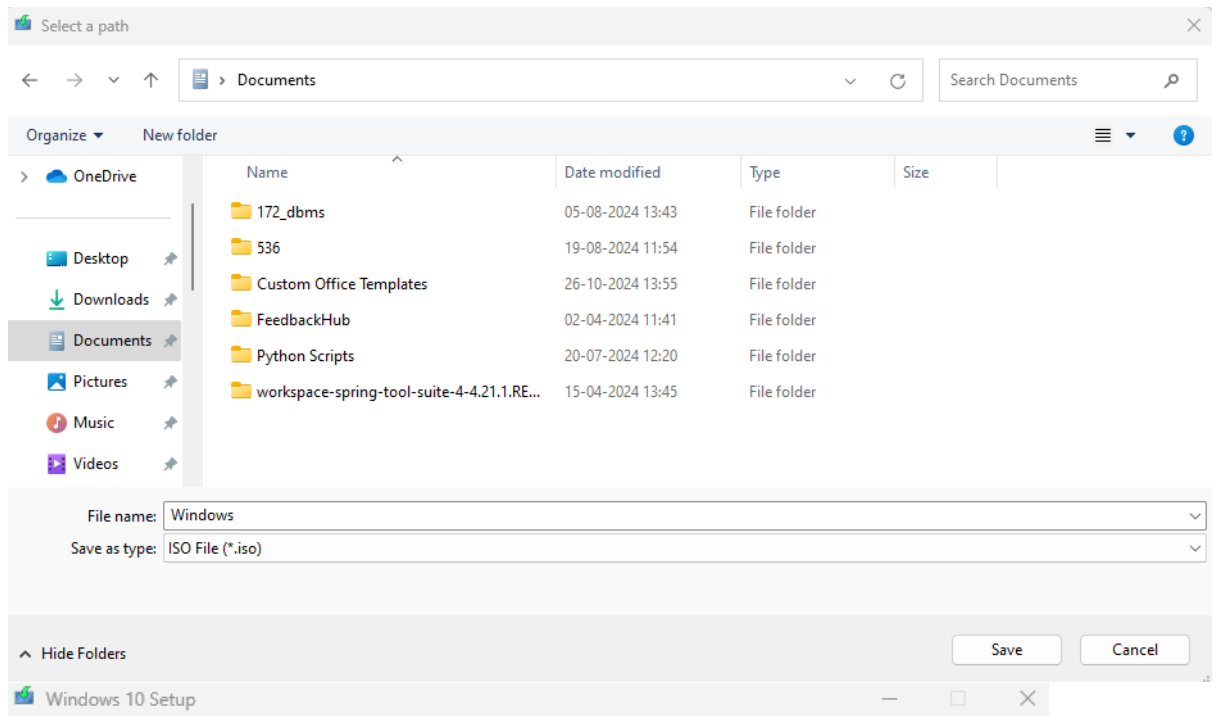
5. Check the details, edition: Windows 10, Click on Next



6. Select ISO File, Click on Next.



7. Save file on specific folder in PC.



Downloading Windows 10

Feel free to keep using your PC.

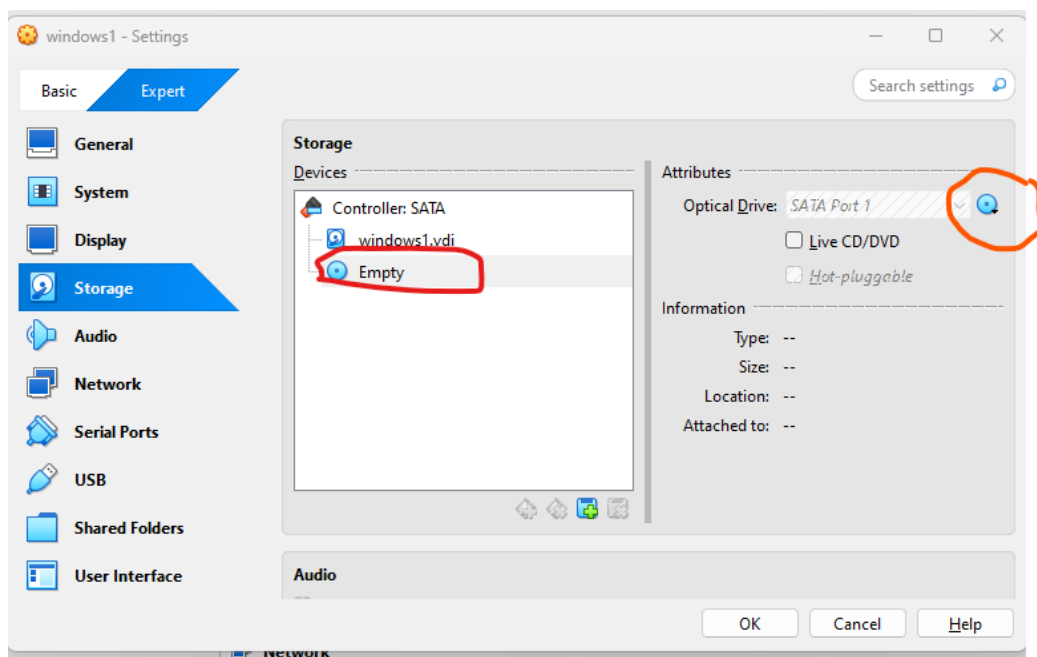
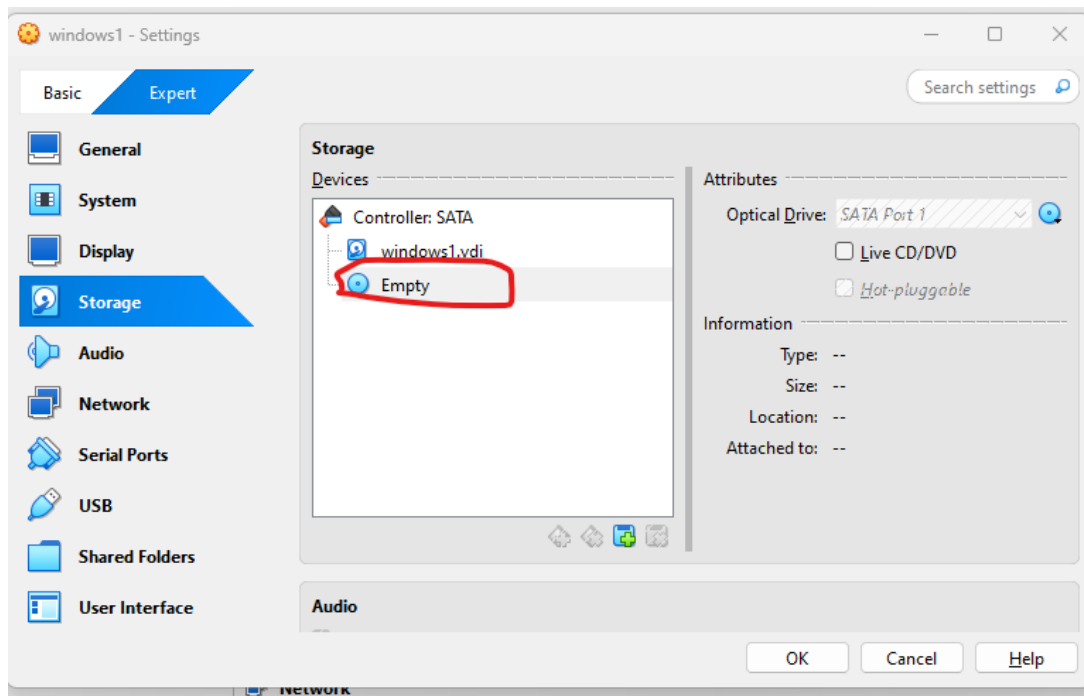
Progress: 0%

Microsoft Support Legal

Back

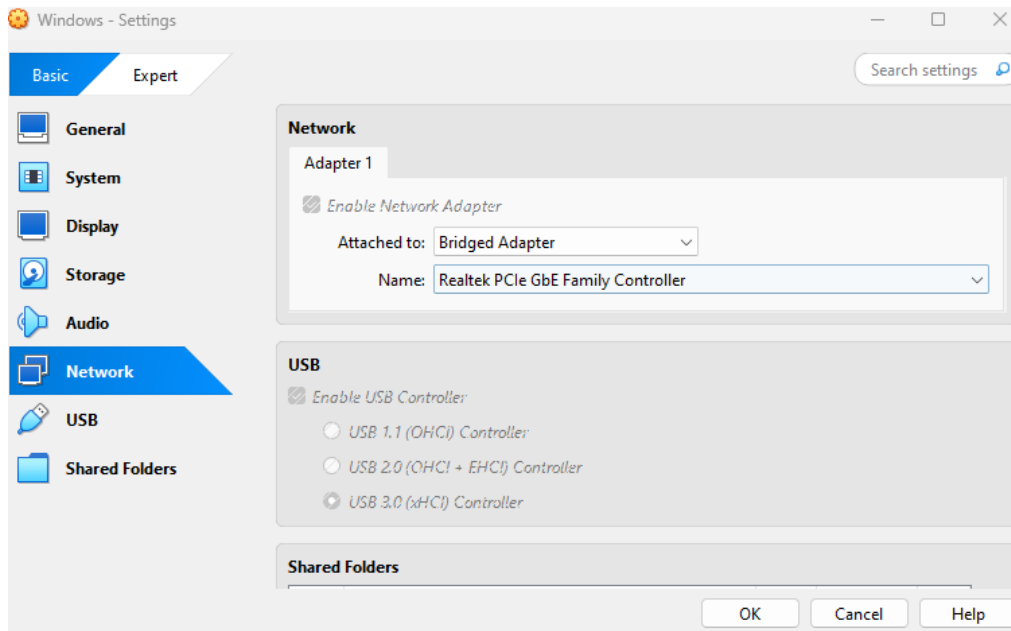
Next

1. Go to the VirtualBox Manager and select your newly created VM.
2. Click **Settings** → **Storage**.
3. Under the **Storage Devices** section, click the **Empty** disk icon.
4. Click the CD/DVD icon on the right and select **Choose a disk file**.
5. Locate and select your downloaded ISO file.
6. Click **OK**.



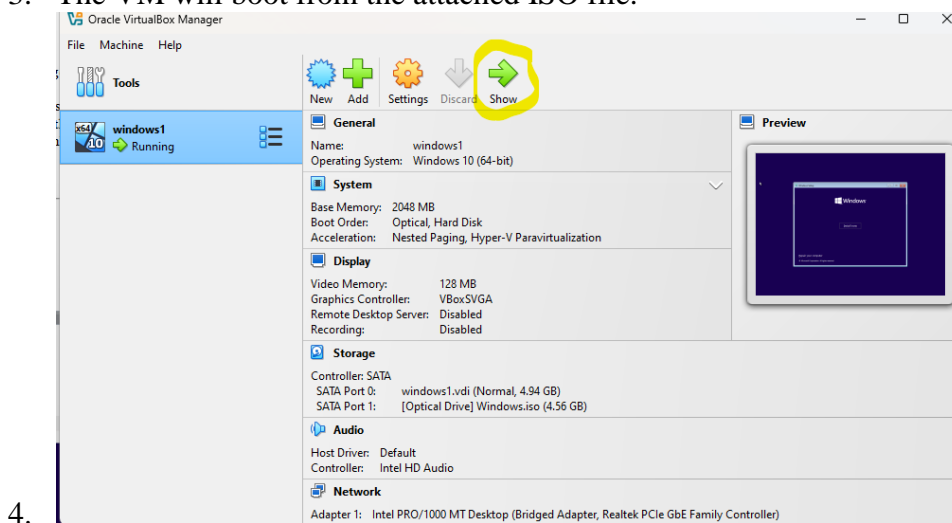
7. Configure Network and Shared Resources (Optional)

- Configure network settings:
 - NAT, Bridged Adapter, or Internal Network as per your requirements.
- Set up shared folders between host and guest OS.



8. Start the Virtual Machine

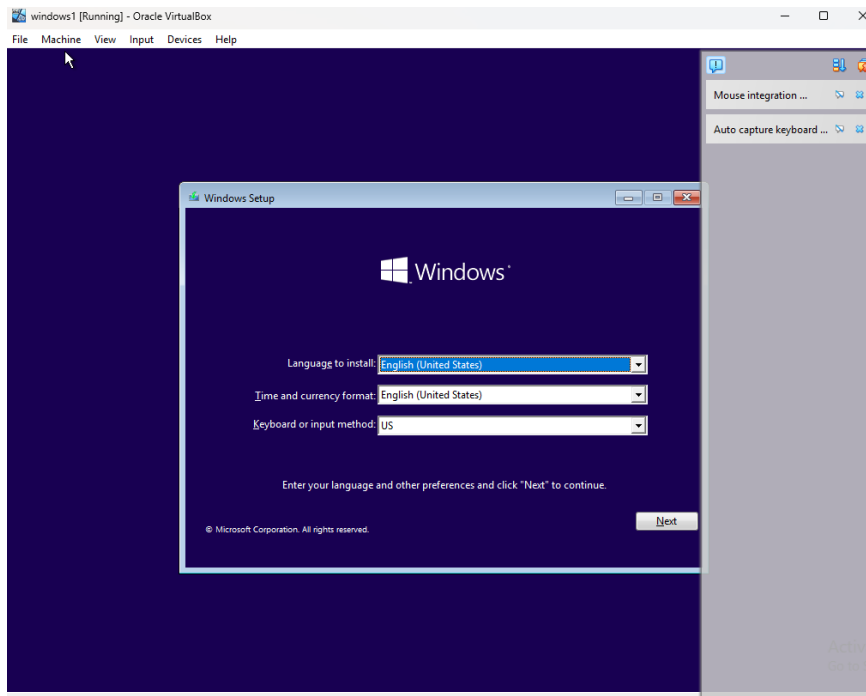
1. Select your VM in VirtualBox Manager.
2. Click **Start**.
3. The VM will boot from the attached ISO file.



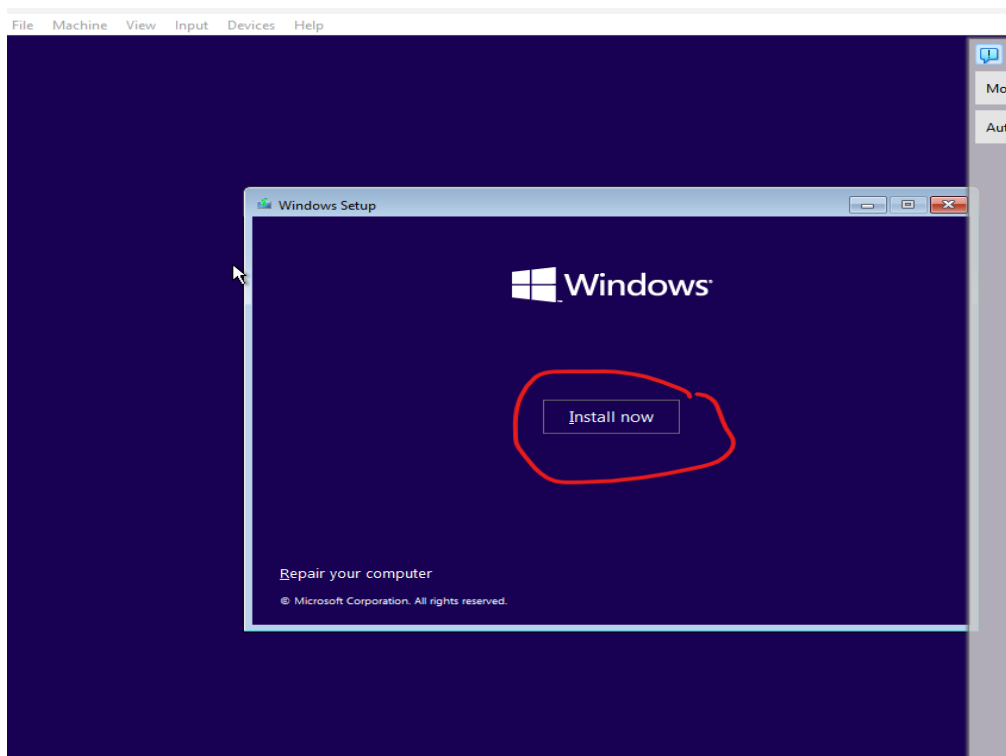
4.

9. Install the Guest Operating System

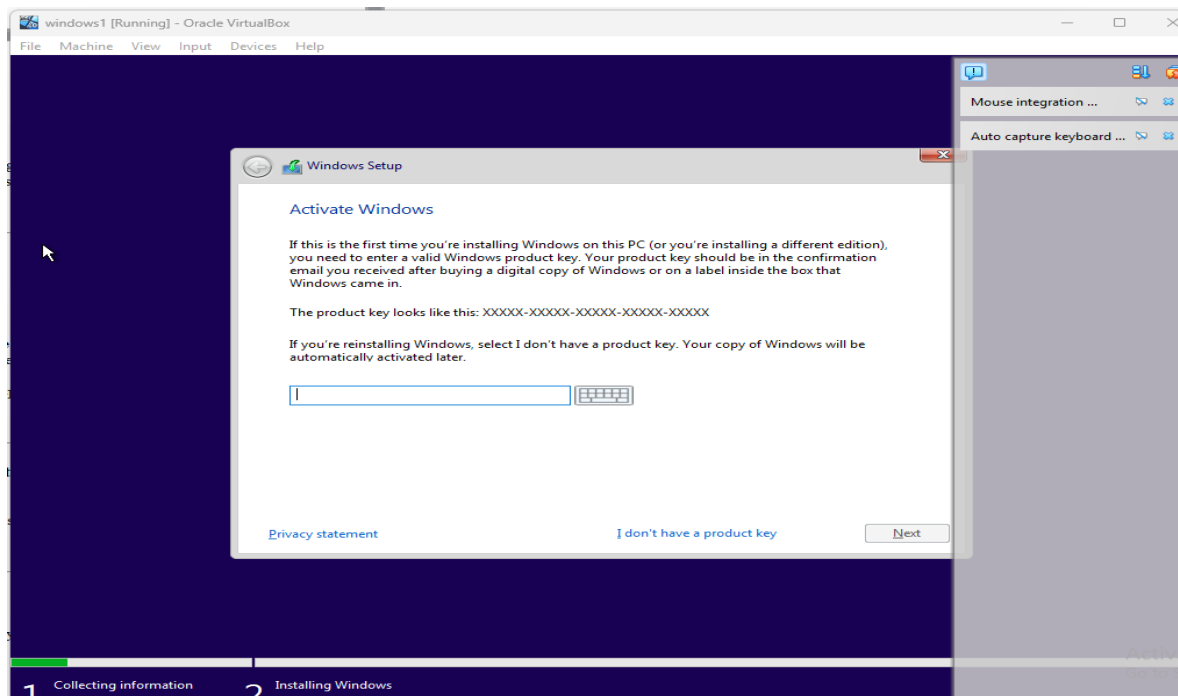
1. Follow the installation steps provided by the operating system installer.
2. Configure settings such as language, timezone, and user credentials.
3. Complete the OS installation.



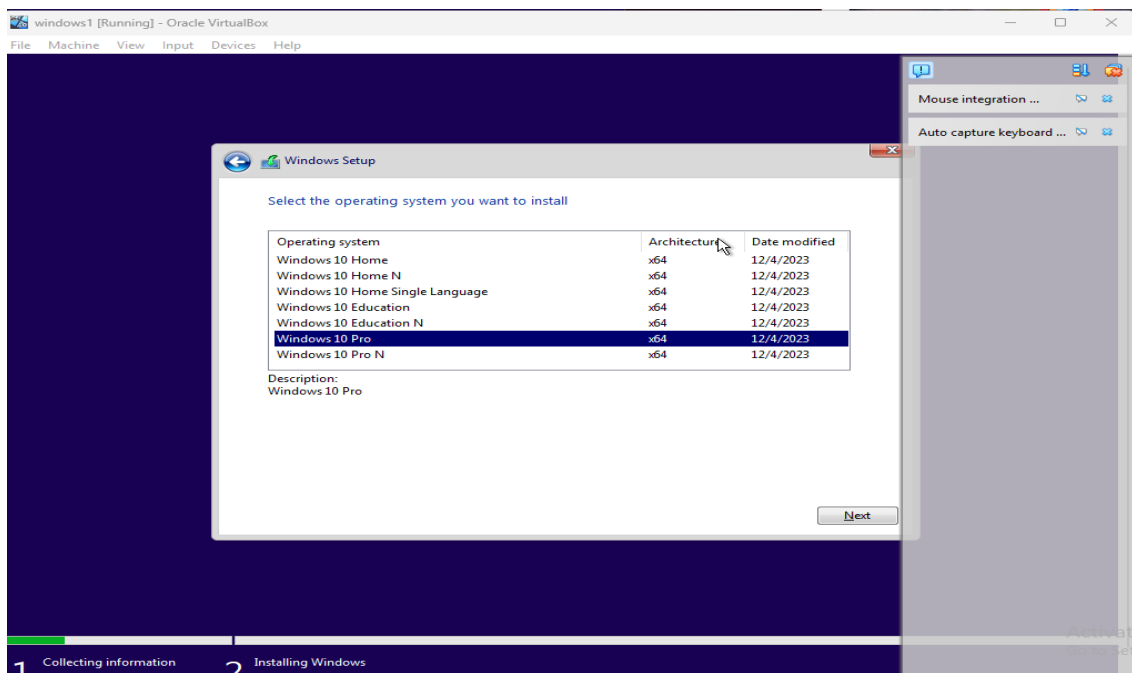
- Click on Install Now Tab



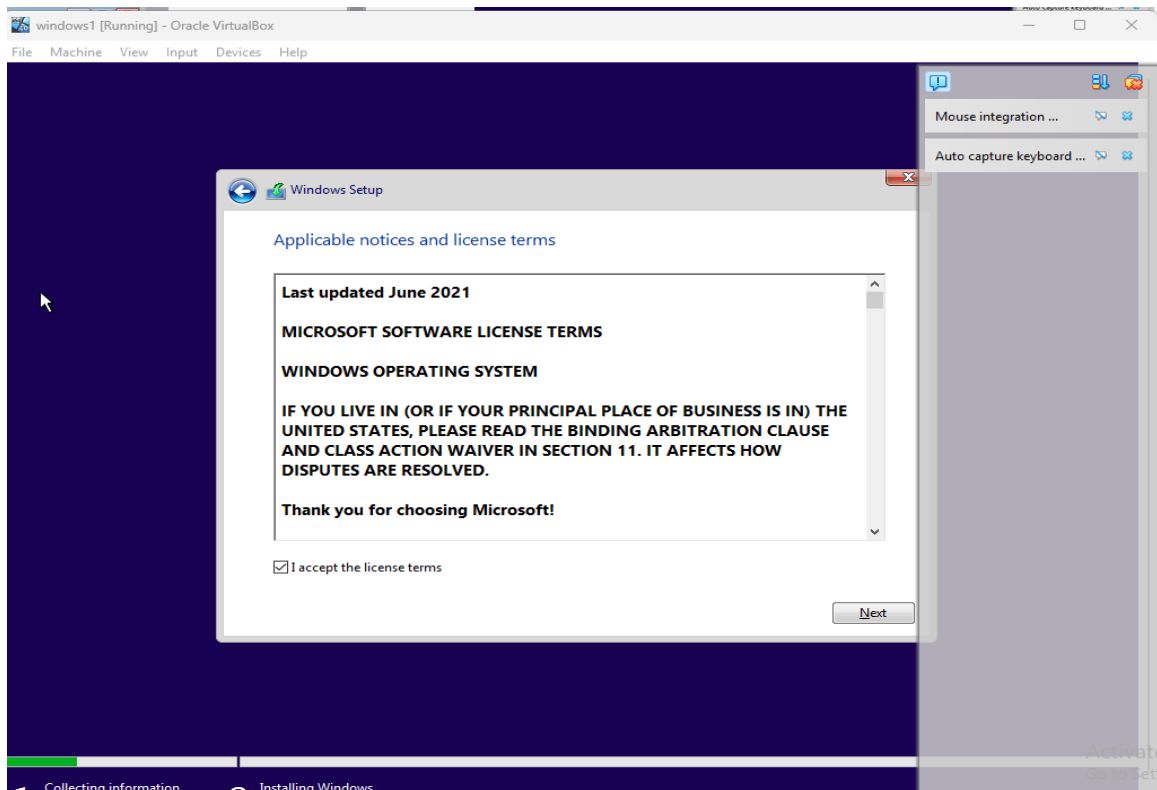
- Click on I Don't Have a Product Key, click on next



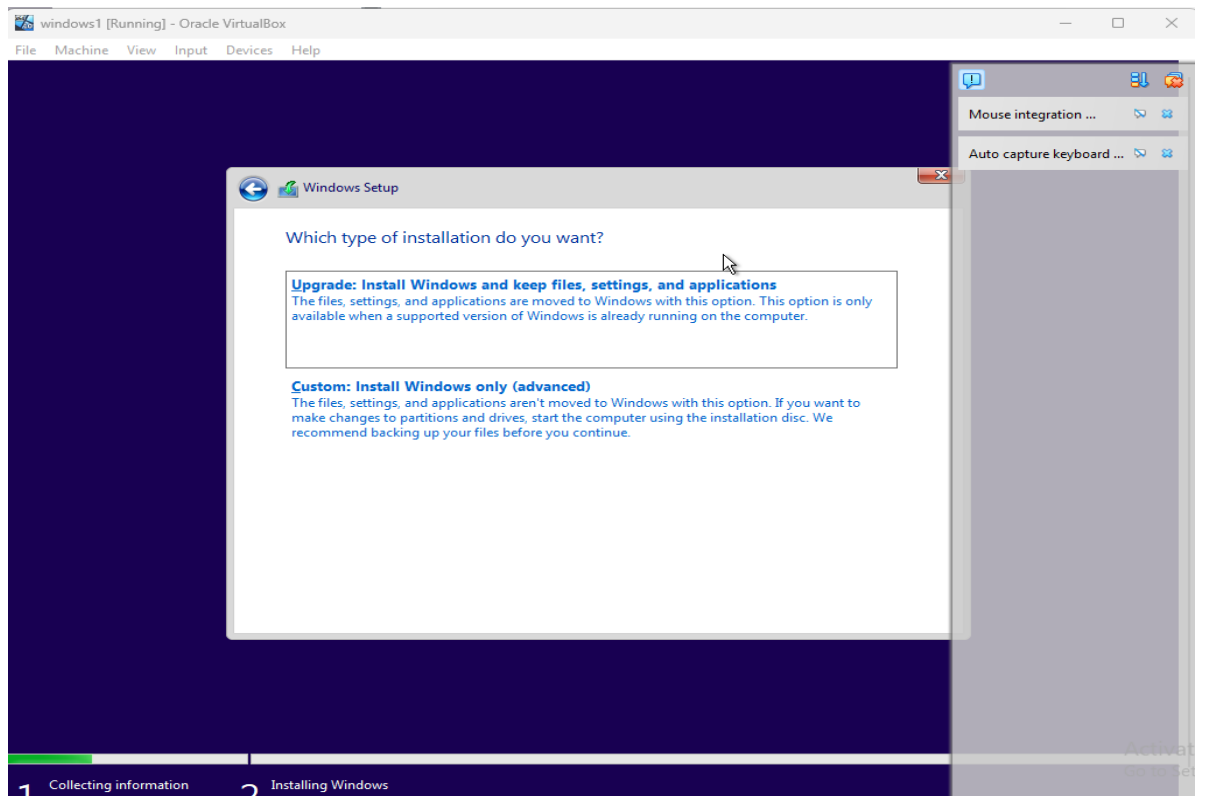
- Select Windows 10Pro ,click on Next



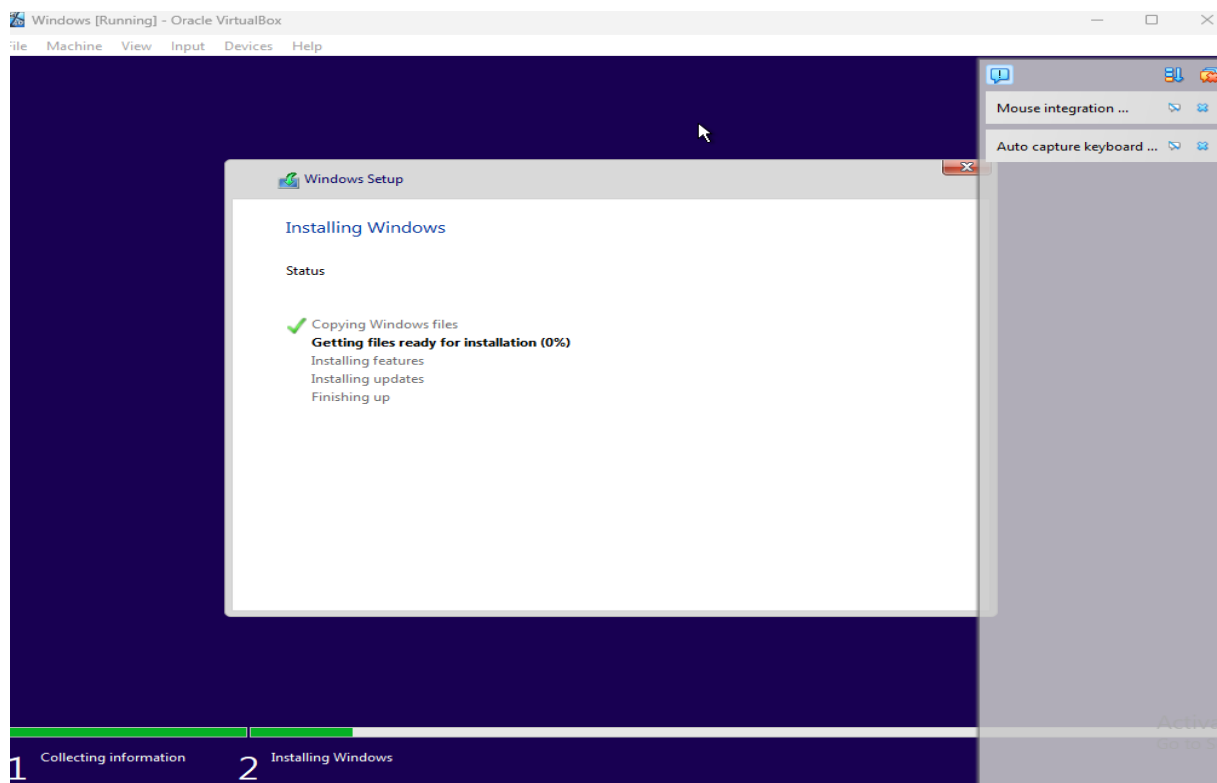
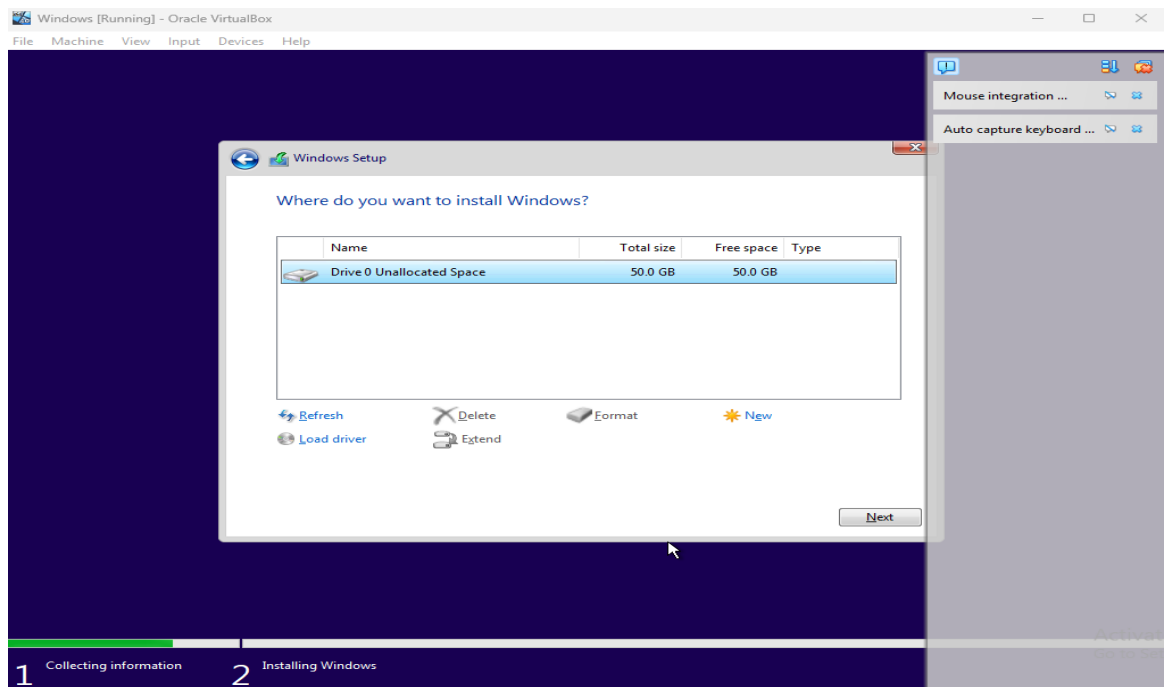
- Select the Licence Tab, Click on Next



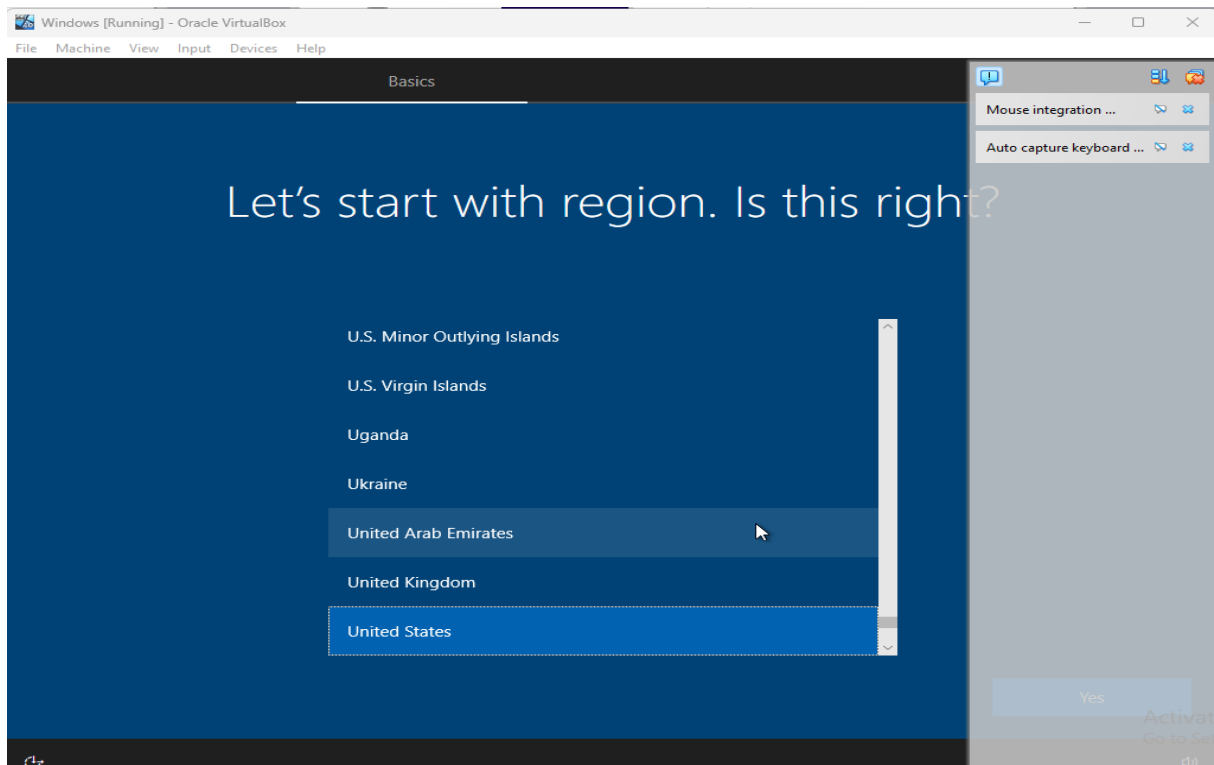
- Select the Custom: Install Windows only(advanced)



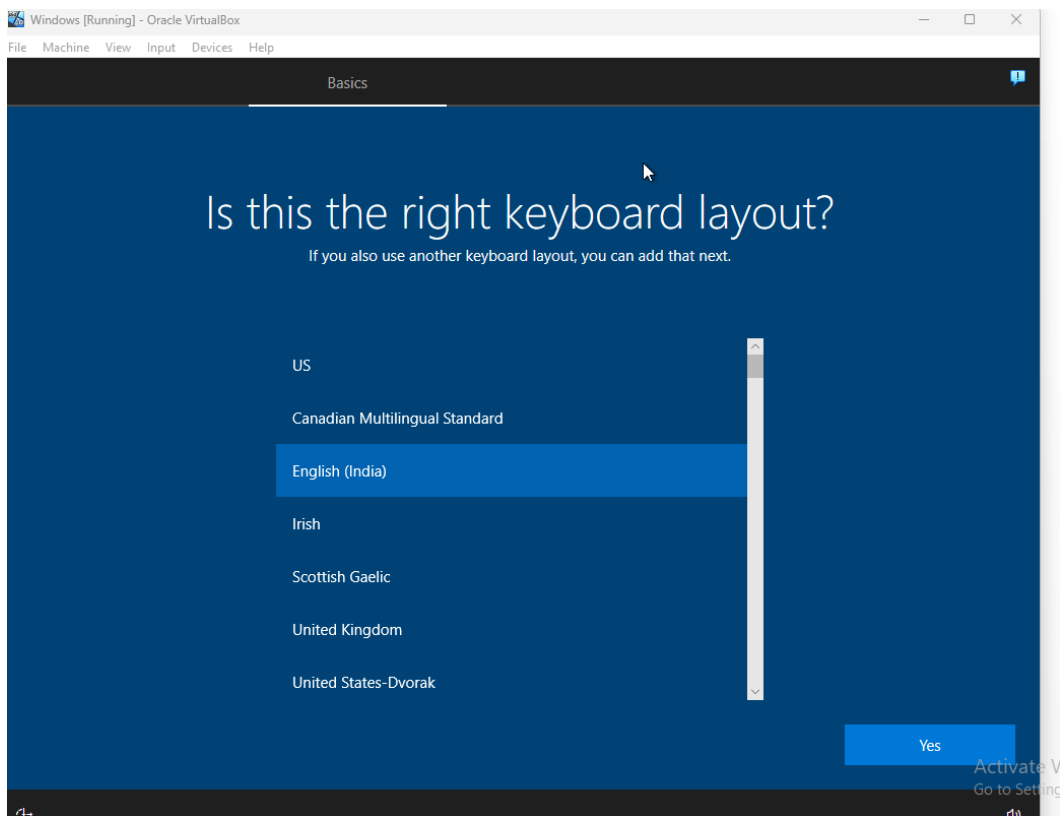
- click on Next



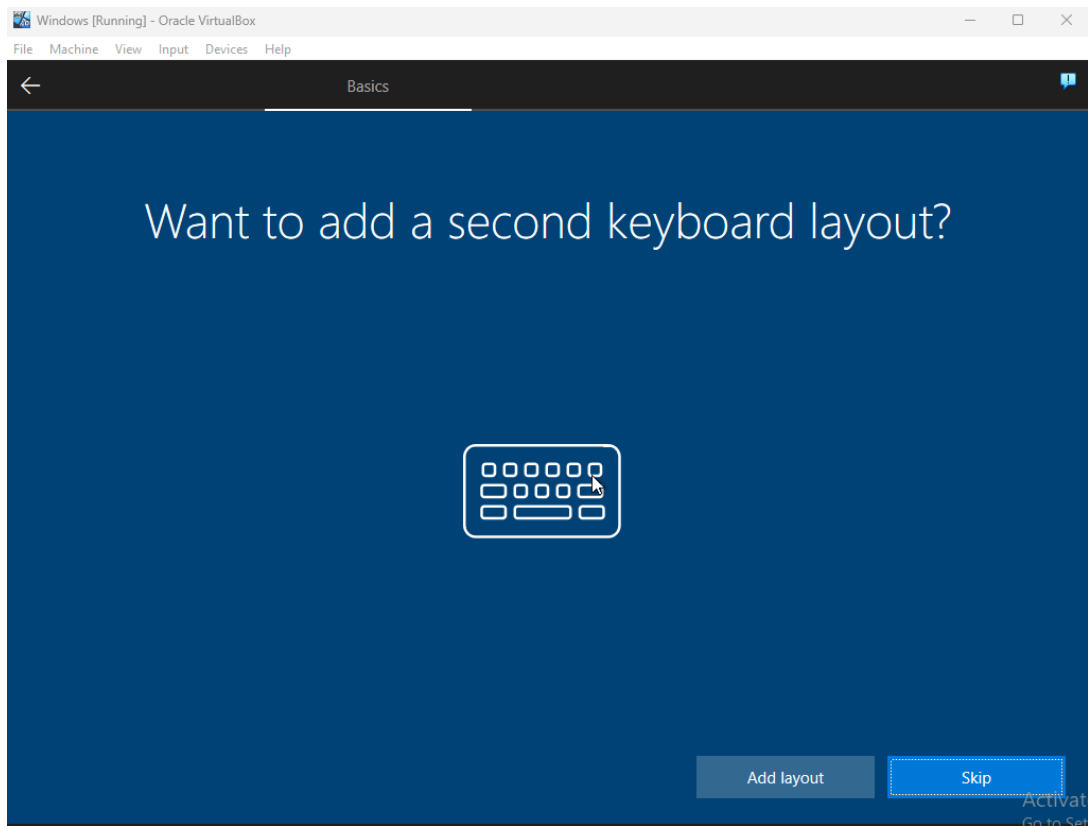
Select United States Click on Yes



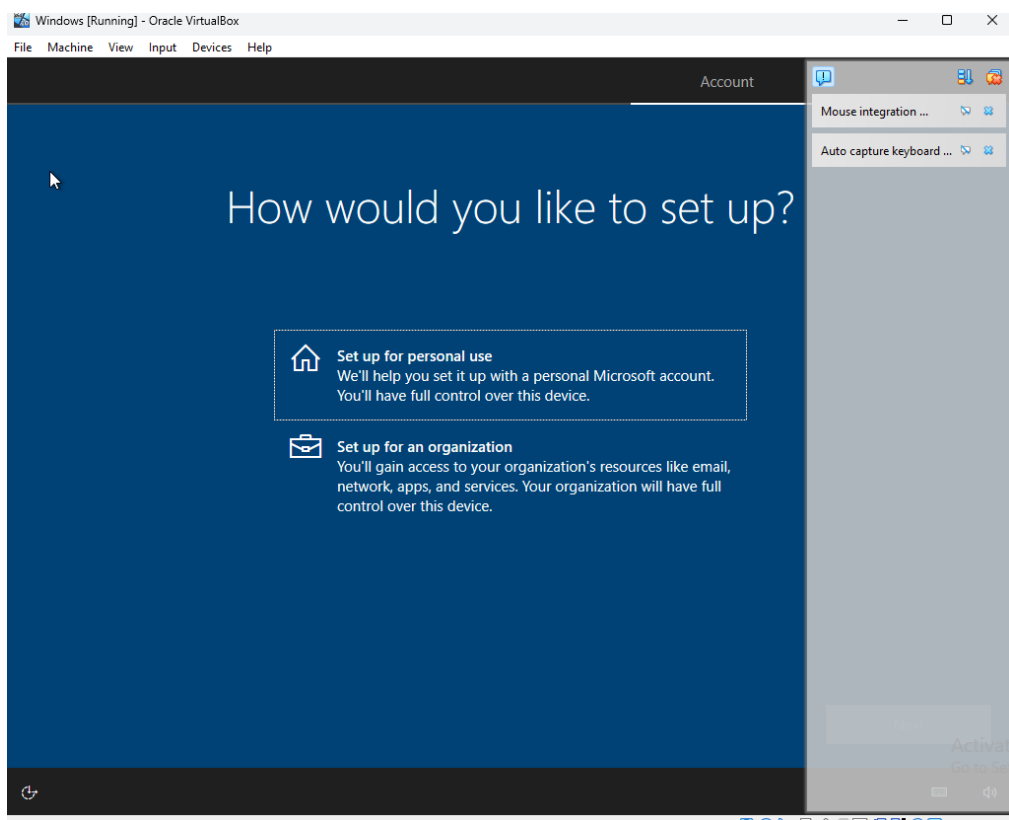
Select English(India),click on Yes



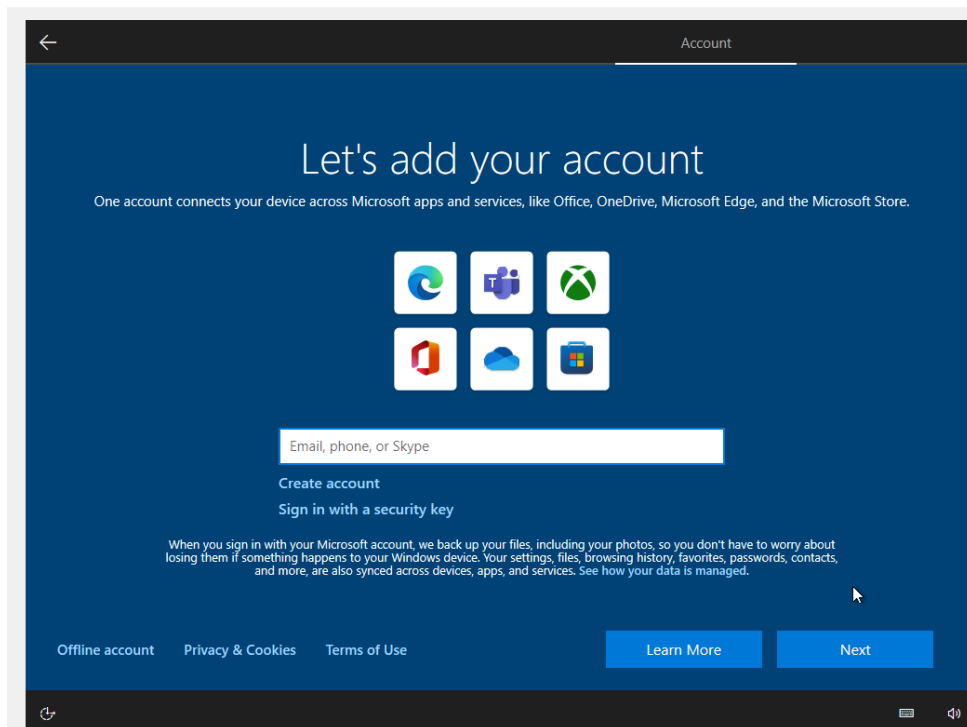
Click on Skip



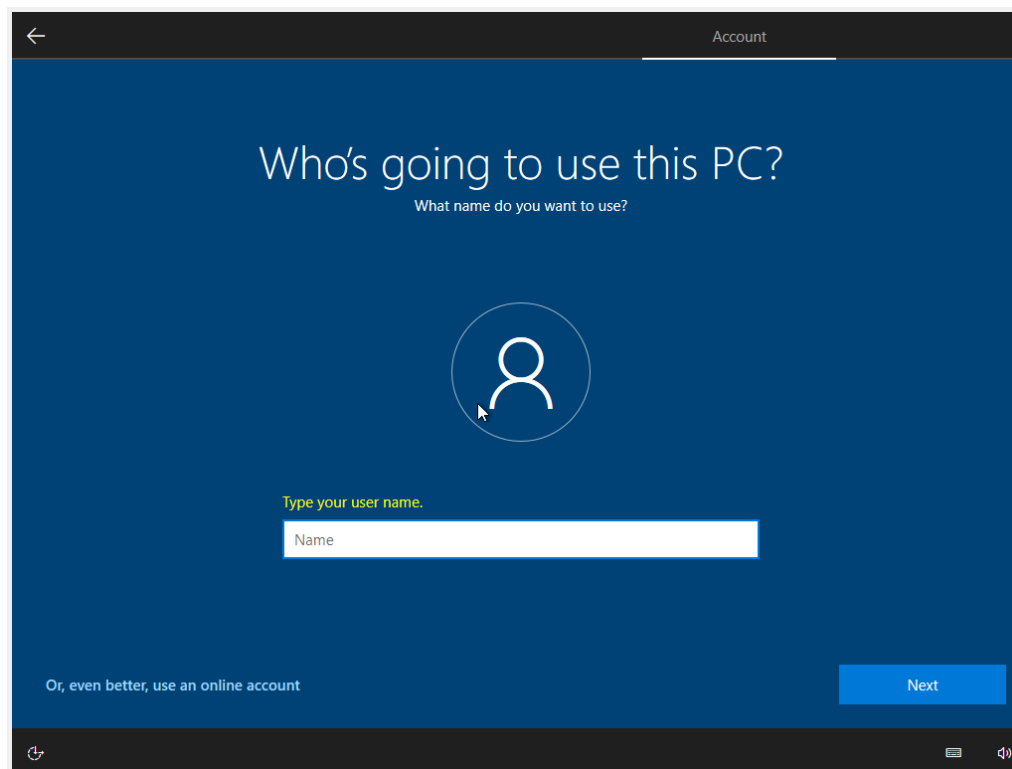
- Select :Set up for Personal Use



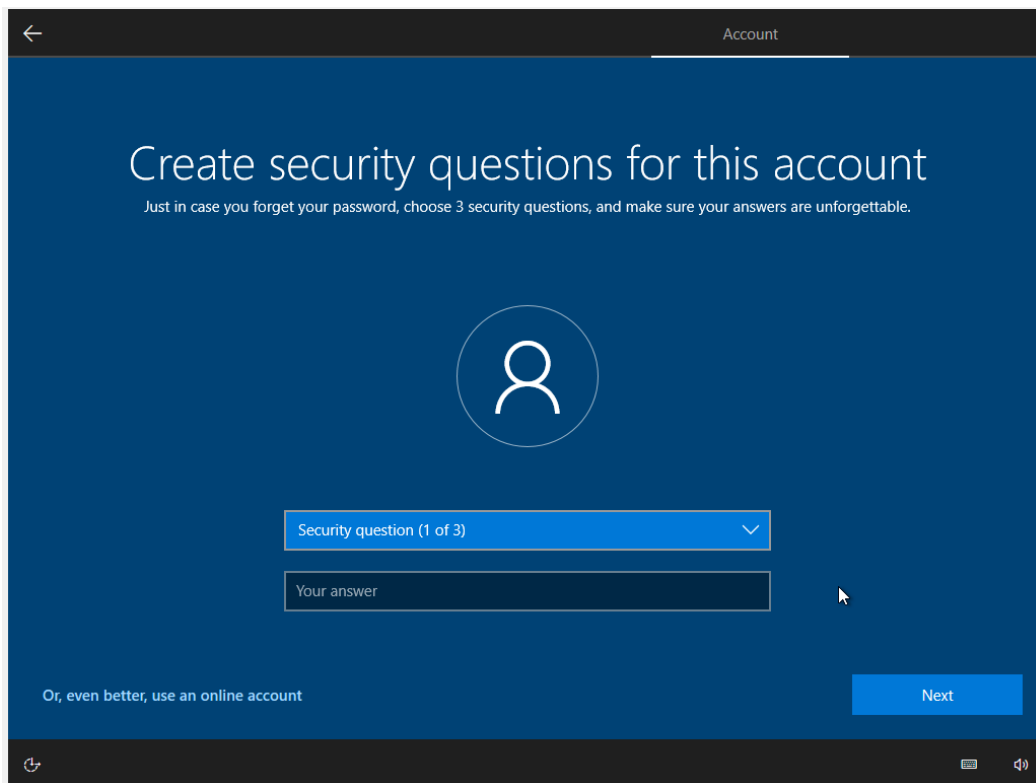
Select Offline Account



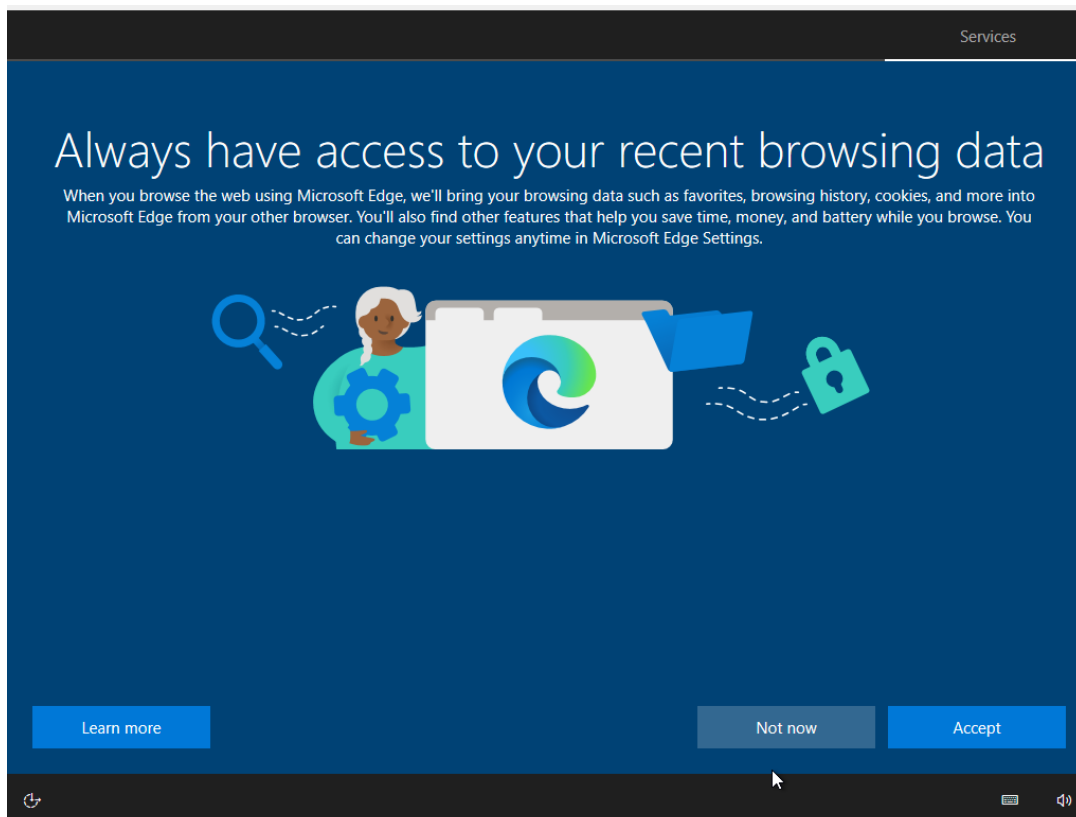
- Click on Limited Experience and give User Name, Password Click on Next.



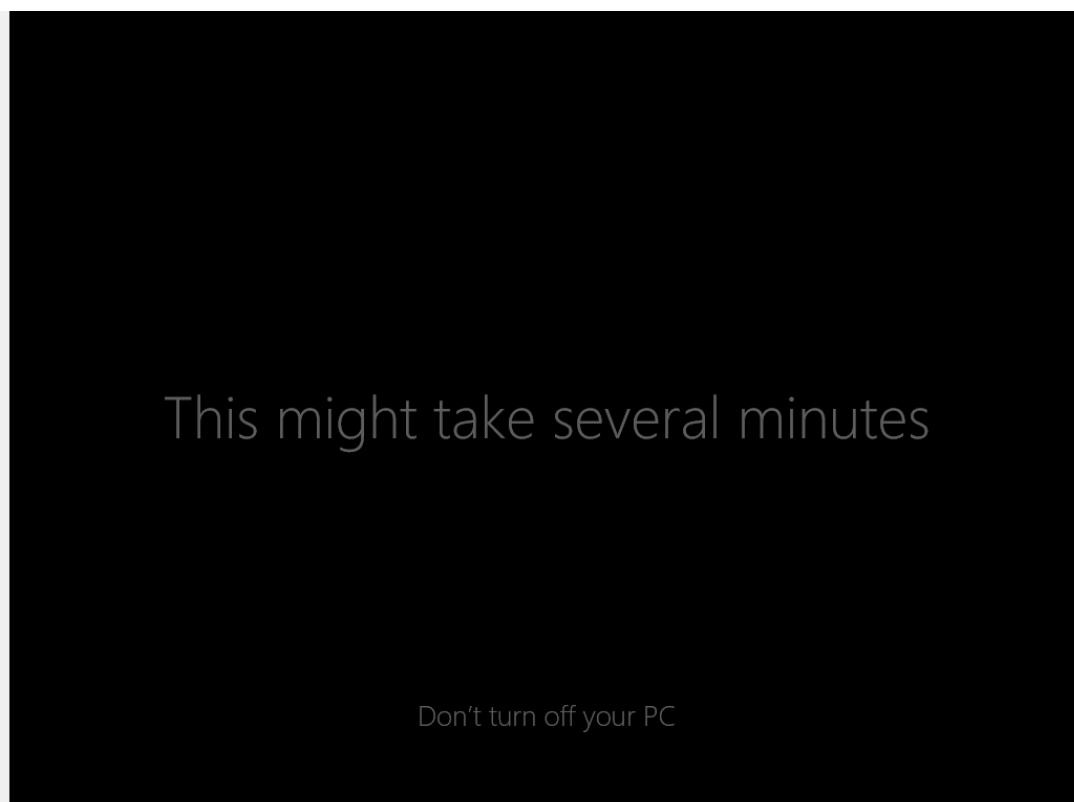
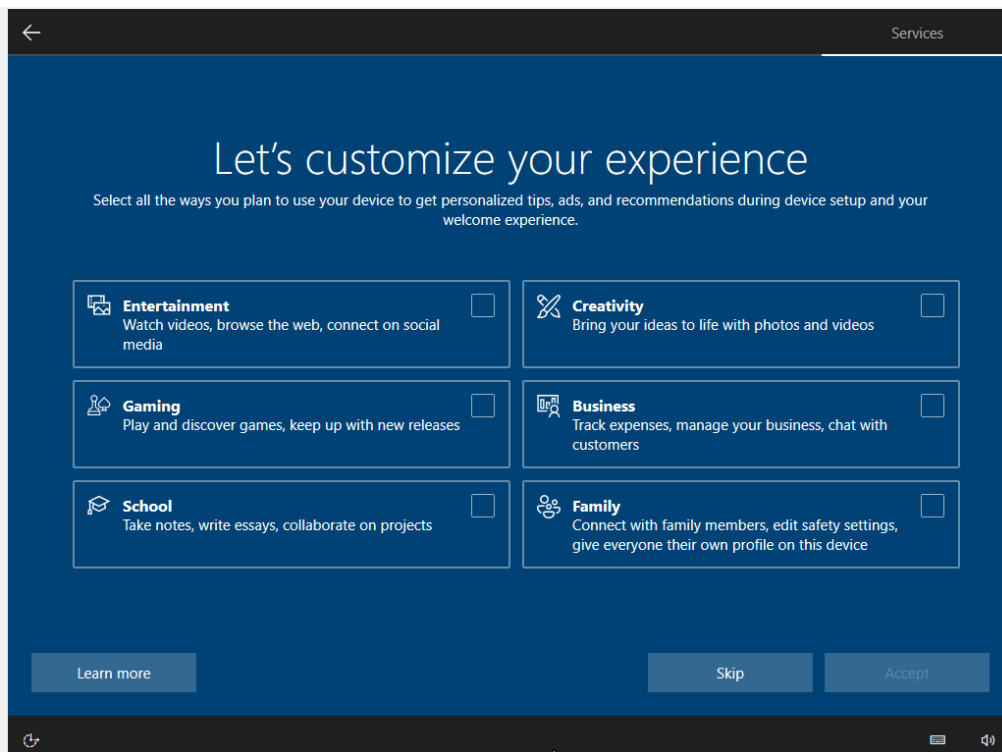
- Enter 3 Security questions to complete the setup



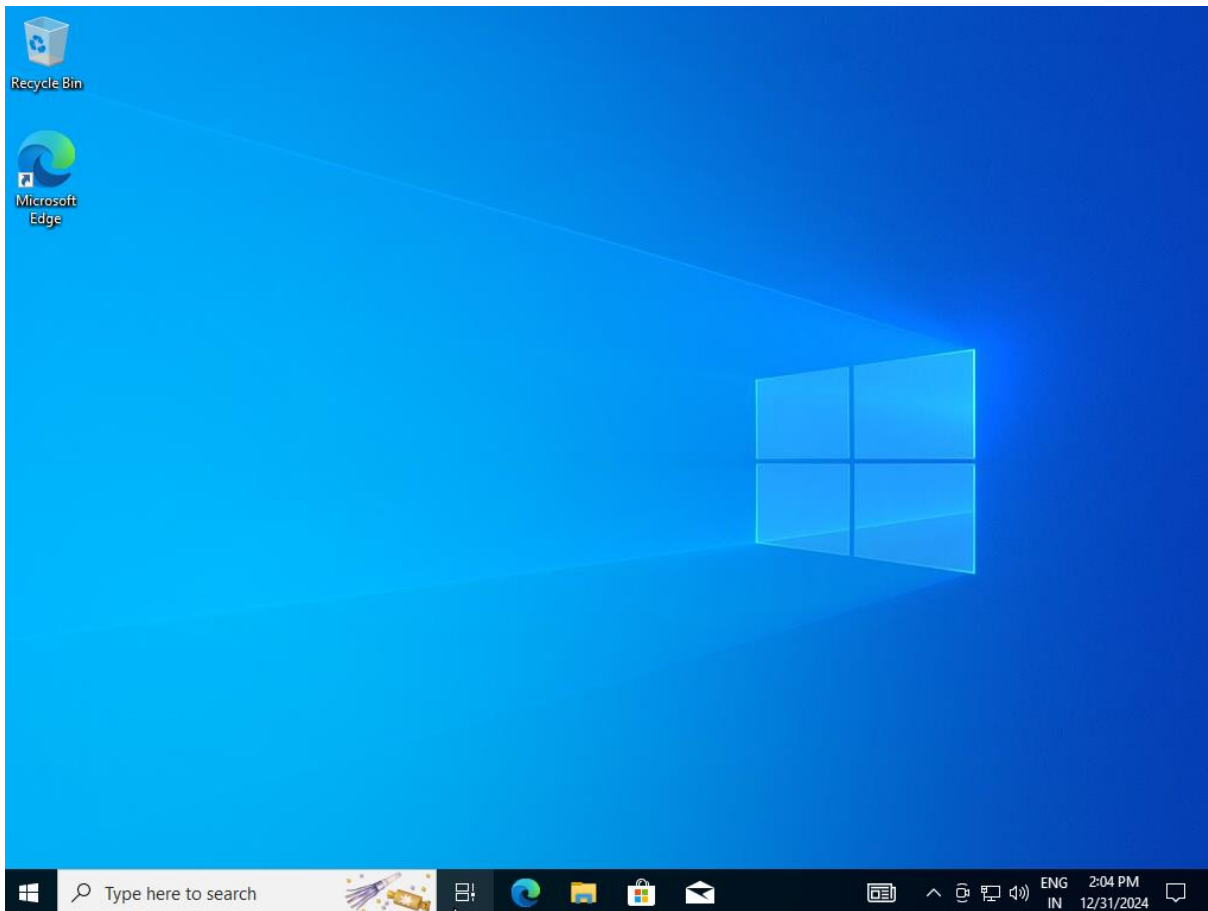
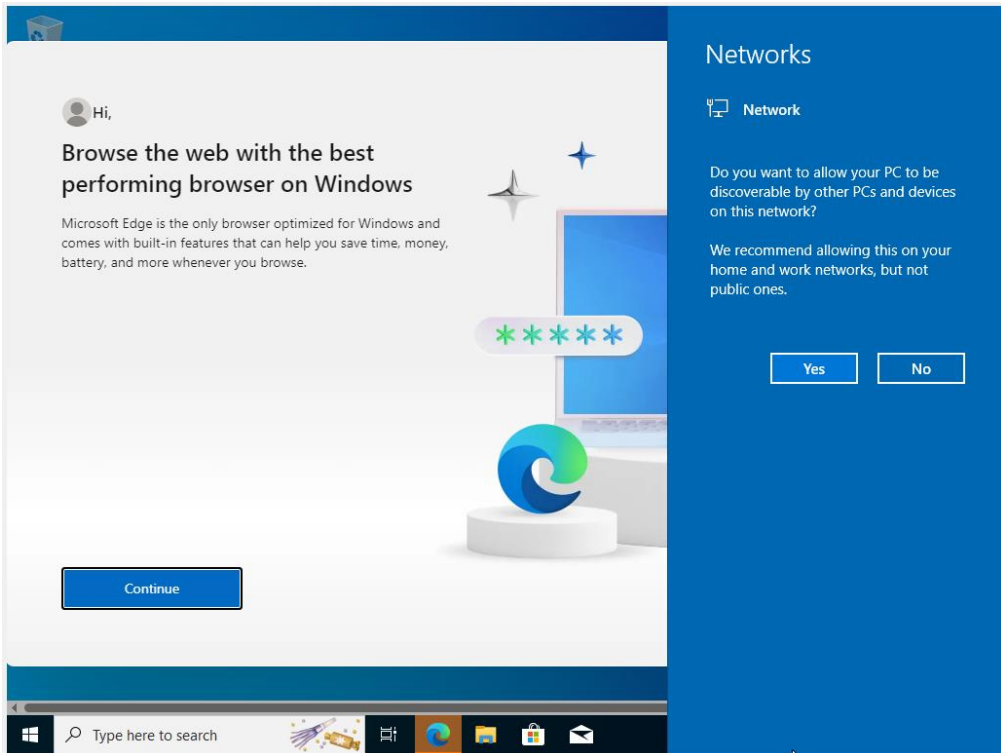
- Click on Accept

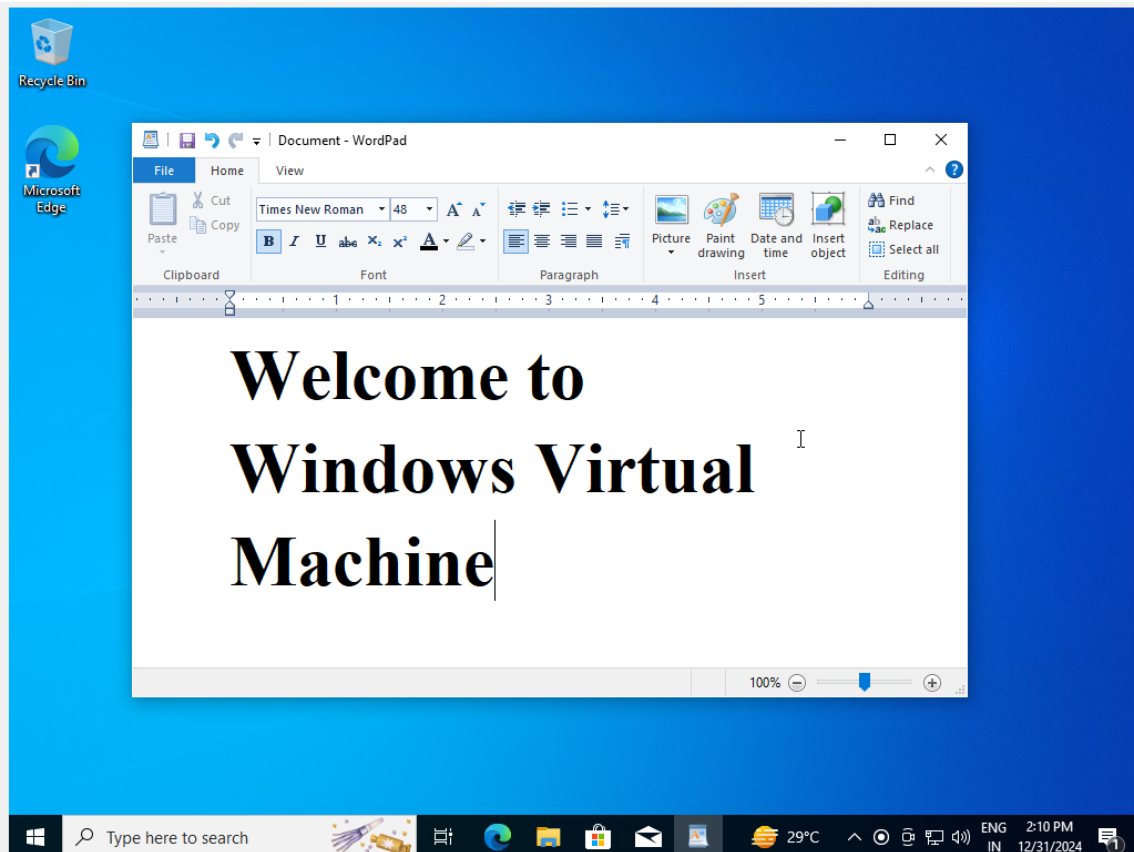


- Click on Skip



- Click on yes for network connection and click on continue





- Shutdown the virtual machine automatically in oracle Virtual box VM will Powered Off.

