How to Download and Install VirtualBox and Ubuntu

# Part 1: Download and Install VirtualBox

## Step 1: Download VirtualBox

1. Open a web browser and go to the VirtualBox download page: https://www.virtualbox.org/wiki/Downloads.

2. Click on the link for the appropriate platform package (e.g., Windows, macOS, or Linux) to download the installer.

## Step 2: Install VirtualBox on Windows

1. Locate the downloaded installer file (e.g., VirtualBox-x.x.x-xxxxxx-Win.exe) and double-click it to run the installer.

2. Click 'Next' on the welcome screen.

3. Choose the installation location or leave it as default, then click 'Next'.

4. Select the components to install or leave them as default, then click 'Next'.

5. Click 'Yes' on the warning about network interfaces.

6. Click 'Install' to begin the installation process.

7. Click 'Yes' if prompted by User Account Control.

8. Once the installation is complete, click 'Finish' to close the installer and launch VirtualBox.

# Part 2: Download and Install Ubuntu

## Step 1: Download Ubuntu ISO

1. Open a web browser and go to the Ubuntu download page: https://ubuntu.com/download/desktop.

2. Click on the 'Download' button to get the latest version of Ubuntu Desktop.

3. Save the ISO file to your computer.

## Step 2: Create a New Virtual Machine in VirtualBox

1. Open VirtualBox and click on the 'New' button.

2. Enter a name for your virtual machine (e.g., Ubuntu VM), and select 'Linux' as the type and 'Ubuntu (64-bit)' as the version.

3. Click 'Next'.

## Step 3: Allocate Memory (RAM)

1. Use the slider or enter the amount of RAM you want to allocate to the virtual machine. A minimum of 2 GB (2048 MB) is recommended.

2. Click 'Next'.

## Step 4: Create a Virtual Hard Disk

1. Select 'Create a virtual hard disk now' and click 'Create'.

2. Choose 'VDI (VirtualBox Disk Image)' and click 'Next'.

3. Choose 'Dynamically allocated' and click 'Next'.

4. Specify the size of the virtual hard disk. A minimum of 25 GB is recommended. Click 'Create'.

## Step 5: Configure the Virtual Machine to Boot from the Ubuntu ISO

1. Select your newly created virtual machine in VirtualBox and click on the 'Settings' button.

2. Go to the 'Storage' section.

3. Under 'Controller: IDE', click on the 'Empty' optical drive.

4. On the right side, click the disk icon and select 'Choose a disk file'.

5. Locate and select the Ubuntu ISO file you downloaded earlier.

6. Click 'OK' to save the settings.

# Part 3: Install Ubuntu in VirtualBox

## Step 1: Start the Virtual Machine

1. Select your virtual machine in VirtualBox and click 'Start'.

2. The virtual machine will boot from the Ubuntu ISO, and you will see the Ubuntu welcome screen.

## Step 2: Install Ubuntu

1. Select your preferred language and click 'Install Ubuntu'.

2. Choose your keyboard layout and click 'Continue'.

3. Select 'Normal installation' and click 'Continue'.

4. Choose 'Erase disk and install Ubuntu' (this will only erase the virtual hard disk, not your actual computer's disk). Click 'Install Now'.

5. Confirm your selection by clicking 'Continue'.

6. Select your time zone and click 'Continue'.

7. Enter your name, computer name, username, and password. Click 'Continue'.

## Step 3: Complete the Installation

1. Ubuntu will now install. This process may take several minutes.

2. Once the installation is complete, you will be prompted to restart the virtual machine. Click 'Restart Now'.

3. After the virtual machine restarts, you may be prompted to remove the installation media. Simply press 'Enter'.

## Final Step: Enjoy Your Ubuntu VM

Your Ubuntu virtual machine should now be ready to use. You can log in with the username and password you created during the installation process.