How to Install Ubuntu on VirtualBox?

A Step-by-Step Guide with Screenshots

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Introduction

VirtualBox is a robust and open-source virtualization tool that enables users to run multiple operating systems on a single physical machine. This guide will walk you through the process of installing Ubuntu on the new updated version of VirtualBox. By following these steps, you can create a virtual machine (VM) and install Ubuntu, allowing you to explore and utilize the Linux environment without affecting your host operating system.

Prerequisites

Before starting, ensure the following:

- - Oracle VM VirtualBox is installed on your computer.
- - Ubuntu ISO file (You can download it from: https://ubuntu.com/download).
- - Minimum 4GB RAM and 25GB free disk space for optimal performance.

Steps to Install Ubuntu on VirtualBox

### Step 1: Create a New Virtual Machine

1. **Open VirtualBox:** Launch VirtualBox from your applications menu.
2. **Create a New Virtual Machine:** Click on the "New" button to create a new virtual machine.
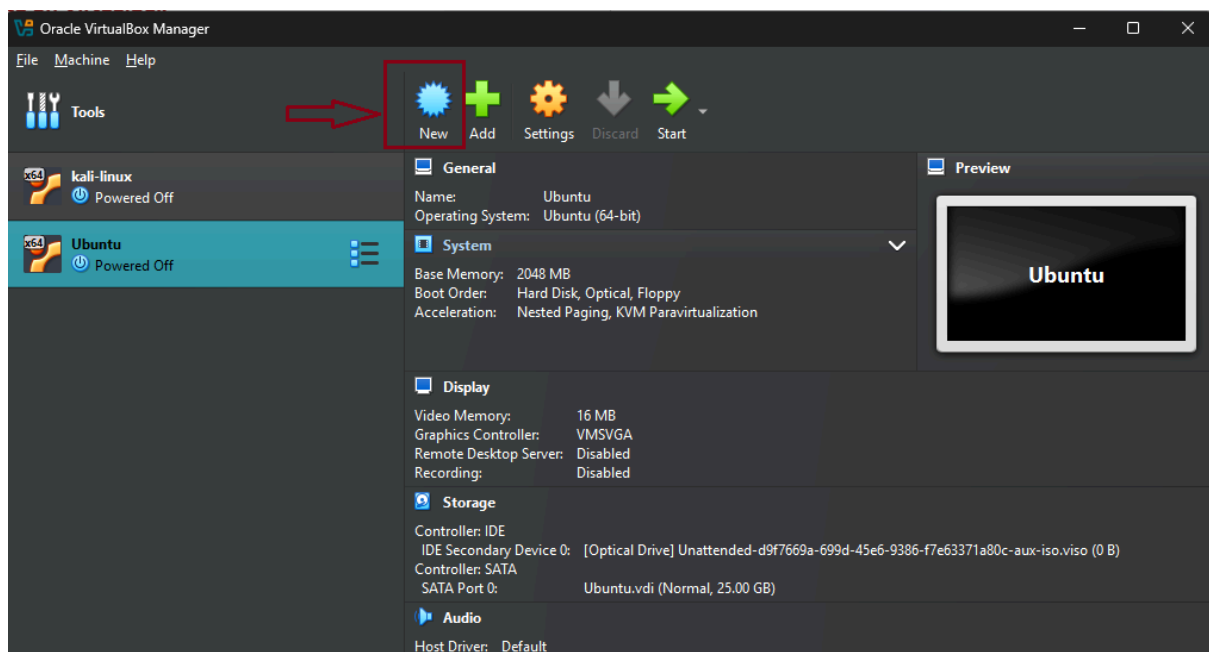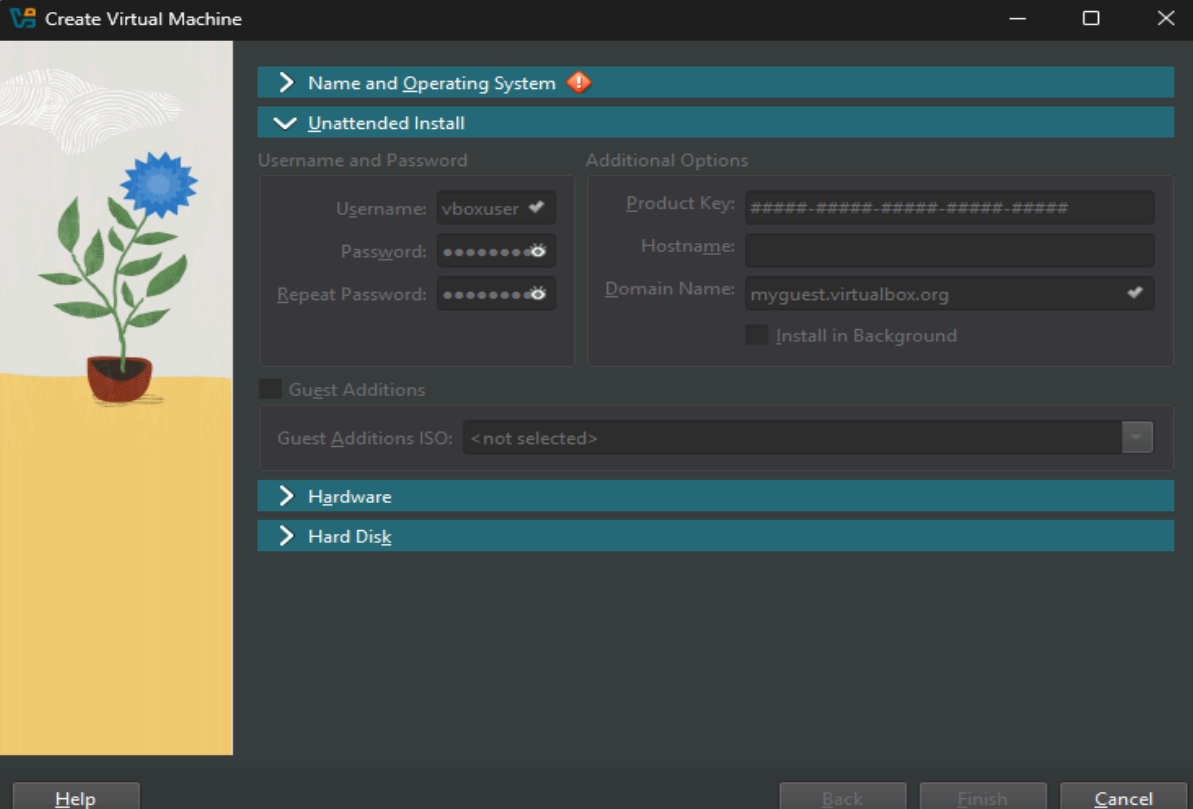
Step 2: Configure the Virtual Machine

1. **Name and Operating System**
   - **Name:** Enter a name for your virtual machine.
   - **Folder:** Choose a location to save your virtual machine files.
   - **ISO Image:** Click on the folder icon to browse and select the Ubuntu ISO file you downloaded.
   - **Type:** Select "Linux".
   - **Version:** Select "Ubuntu (64-bit)" or the appropriate version for your ISO.
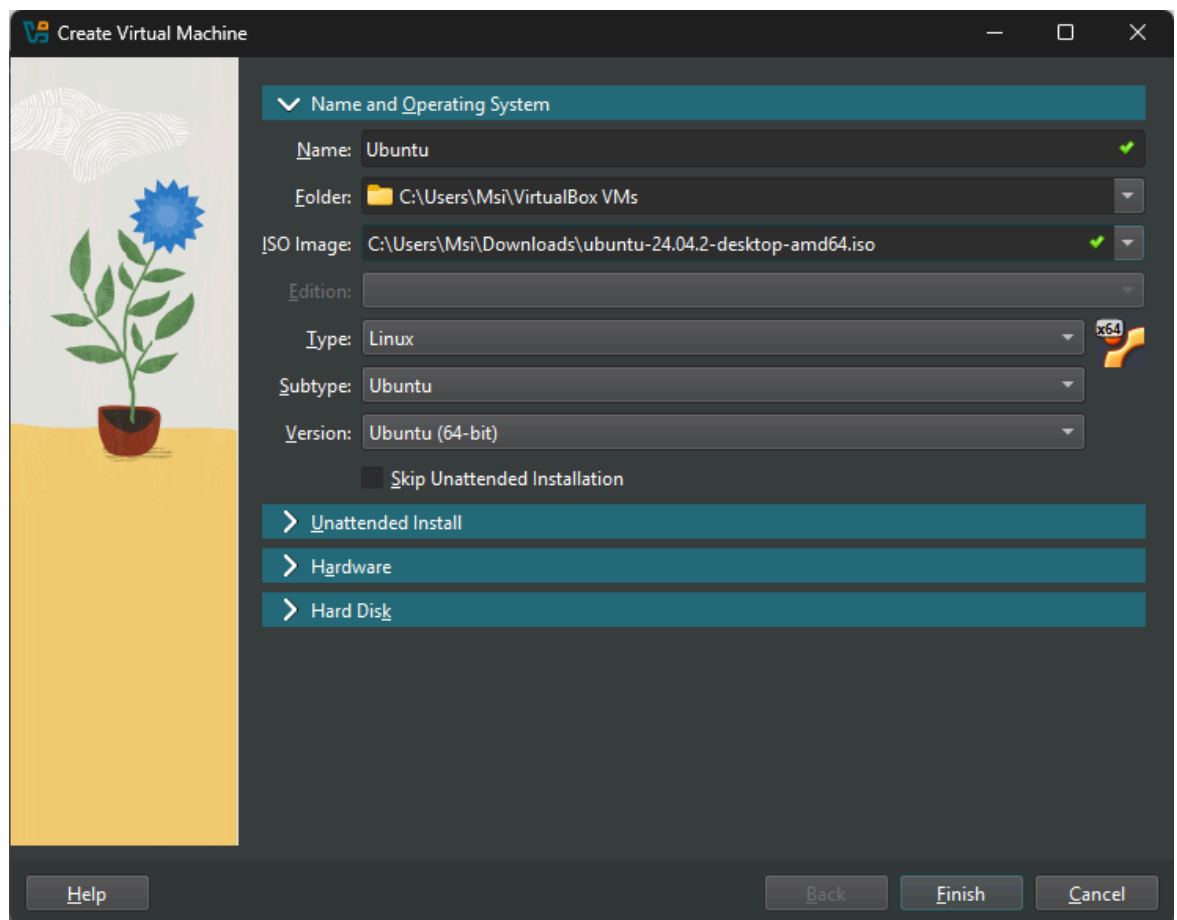
2. **Unattended Install**
   ○ **Username and Password:** Enter a username and password for the Ubuntu installation.
   ○ **Additional Options:** Fill in the product key, hostname, domain name, and other optional fields if needed.
   ○ **Guest Additions ISO:** You can select the Guest Additions ISO if you have it.

3. Hardware

○ **Base Memory:** Adjust the slider to allocate the desired amount of RAM for your virtual machine. A minimum of 2 GB (2048 MB) is recommended for Ubuntu.

○ **Processors:** Allocate the number of CPUs you want to assign to the virtual machine. A minimum of 2 CPUs is recommended.

○ **Enable EFI:** Check the box to enable EFI if you are using a special OS that requires it.
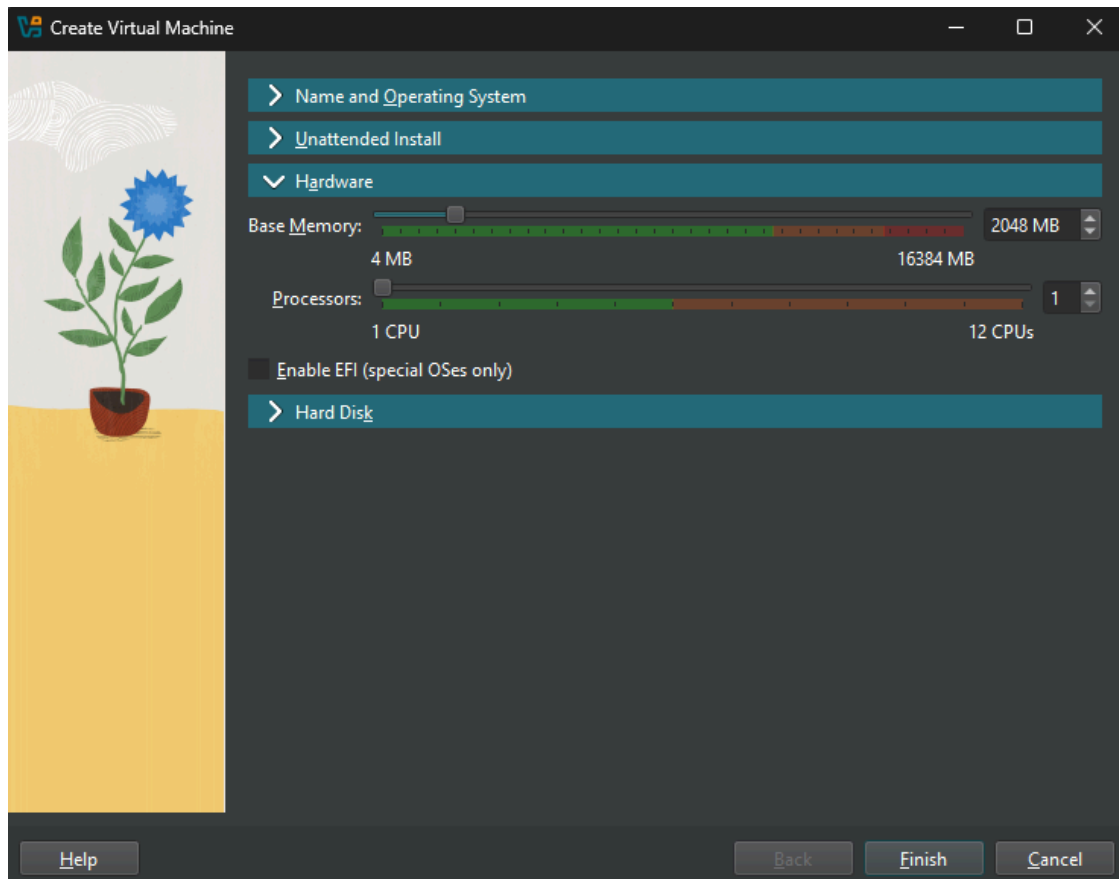
4. **Hard Disk**
   - **Create a Virtual Hard Disk Now:** Select this option to create a new virtual hard disk.
   - **Hard Disk File Location and Size:** Choose the location and size for the virtual hard disk. A minimum of 20 GB is recommended for Ubuntu.
   - **Hard Disk File Type and Variant:** Select "VDI (VirtualBox Disk Image)" and "Pre-allocate Full Size" or "Dynamically Allocated" based on your preference.
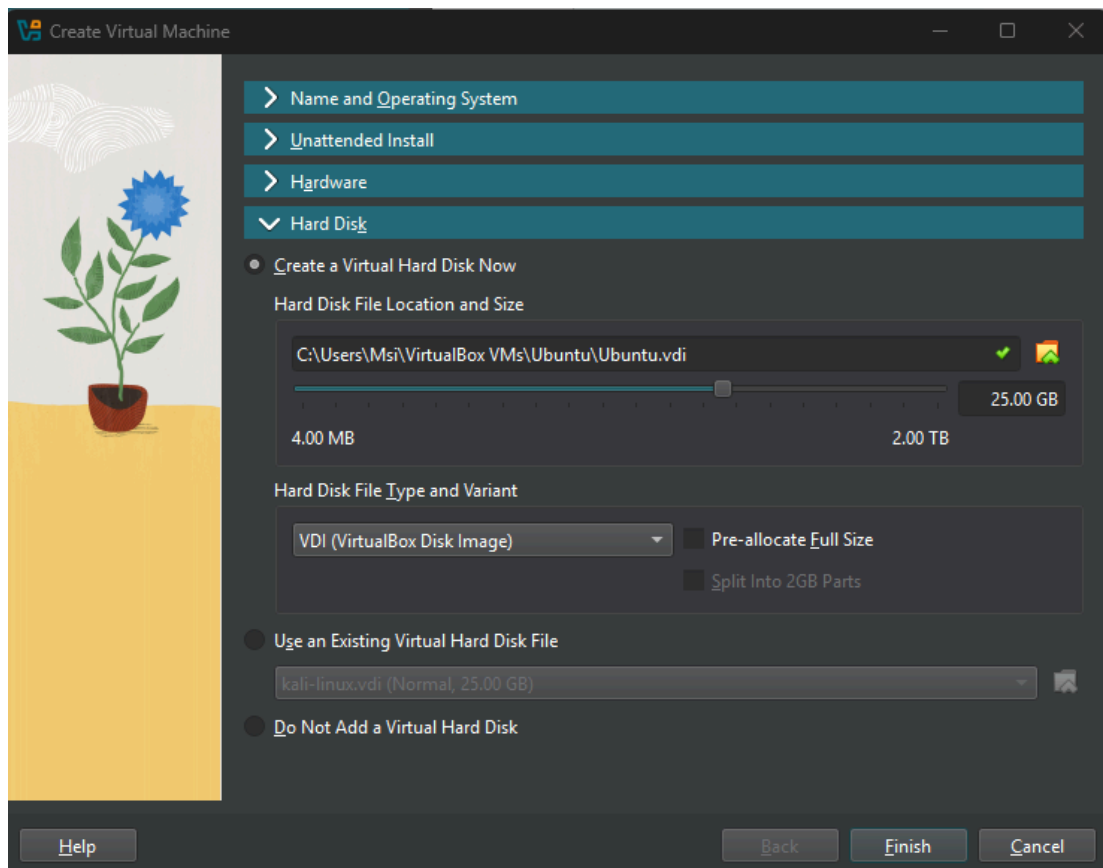
Click "Finish".

Step 3: Start the Virtual Machine

Start the Virtual Machine: Select the newly created virtual machine from the list and click on the "Start" button.
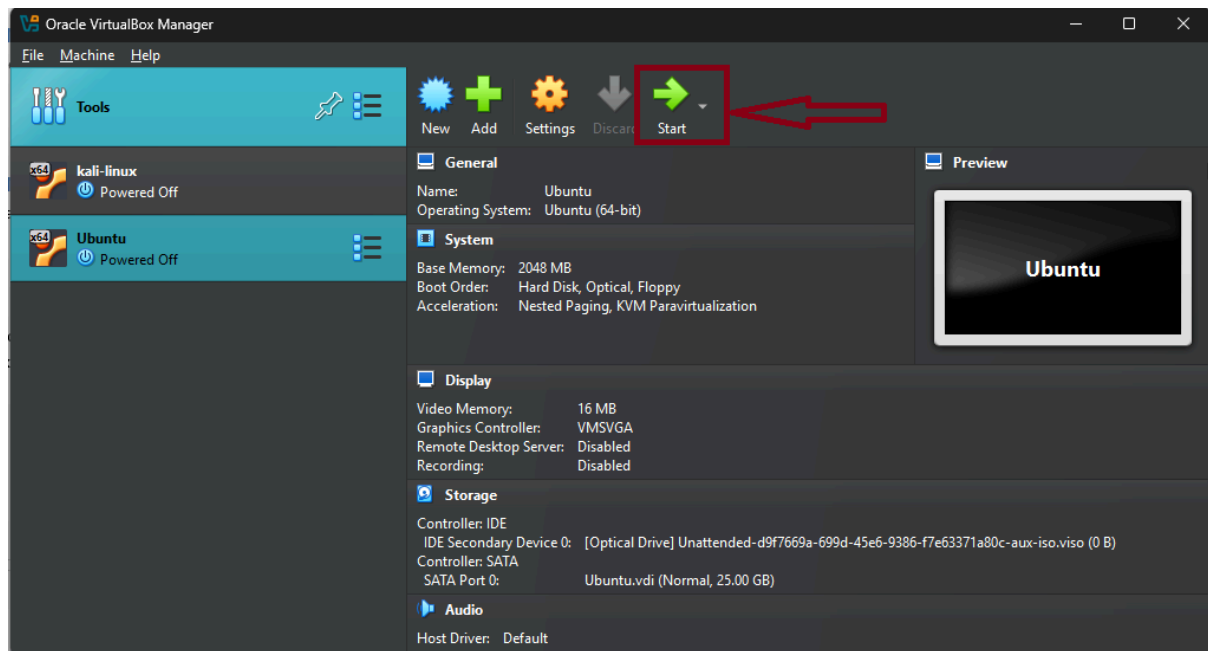
Step 4: Install Ubuntu

1. **Boot from ISO:** The virtual machine will boot from the Ubuntu ISO file you selected.
2. **Install Ubuntu:** Follow the on-screen instructions to install Ubuntu. You will be guided through the installation process, including selecting your language, keyboard layout, and installation type.
3. **Complete Installation:** Once the installation is complete, the virtual machine will reboot, and you will be able to log in to your new Ubuntu installation.

Conclusion

By following these steps, you should be able to successfully install Ubuntu on the new updated version of VirtualBox. This guide provides a comprehensive overview of the process, from downloading the necessary files to configuring the virtual machine and installing Ubuntu. Enjoy your new virtualized environment!