

# Sharing data between a physical machine and a virtual machine on VirtualBox.

Sharing data between a physical machine and a virtual machine in VirtualBox allows you to manage and control that data while minimizing memory usage. Data from the physical machine can be directly used in the virtual machine, making it easier to manipulate and use. In this article, TipsMake will guide you on how to share data between a physical machine and a virtual machine in VirtualBox.

In the previous article, we guided you through the operations; in this article, you will learn how to share data between a physical machine and a virtual machine on VirtualBox.

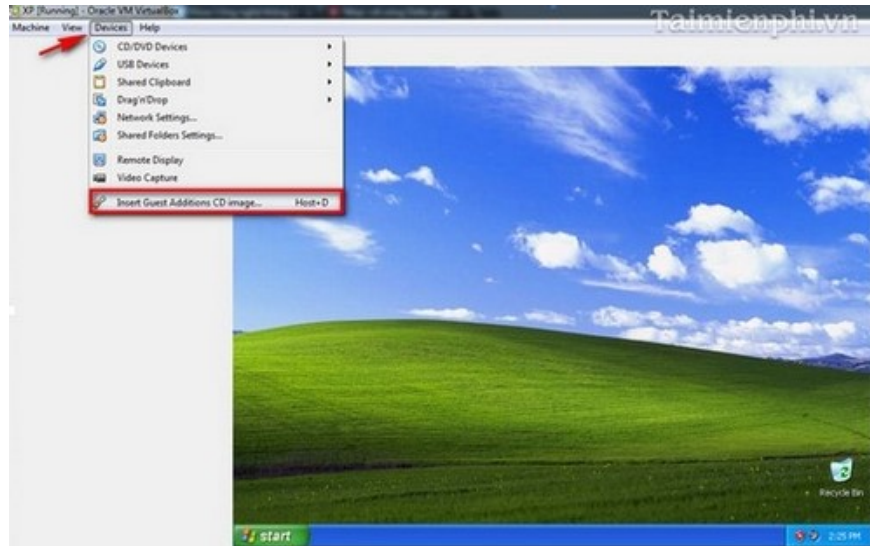


## Guide to sharing data between a host machine and a virtual machine on VirtualBox

**Step 1 :** Start the installed virtual machine. Click the **Start** button to begin.



**Step 2 :** After booting into Windows, in the horizontal menu for VirtualBox, select **Devices** and then **Insert Guest Additions CD Image**.

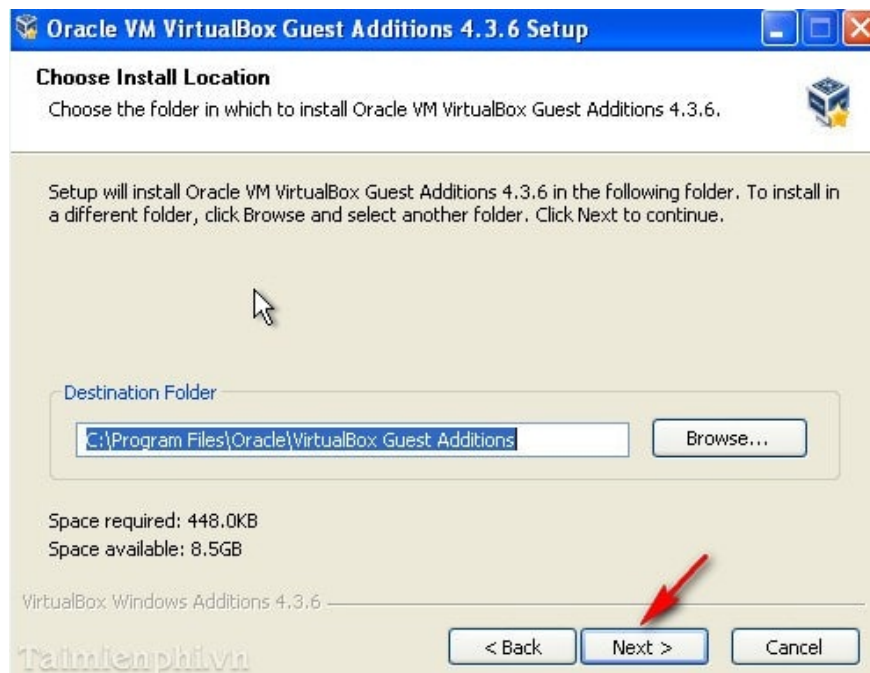


Here, **Guest Additions** is a VirtualBox tool that, when installed on a virtual machine's operating system, acts as a device driver system providing several advanced features.

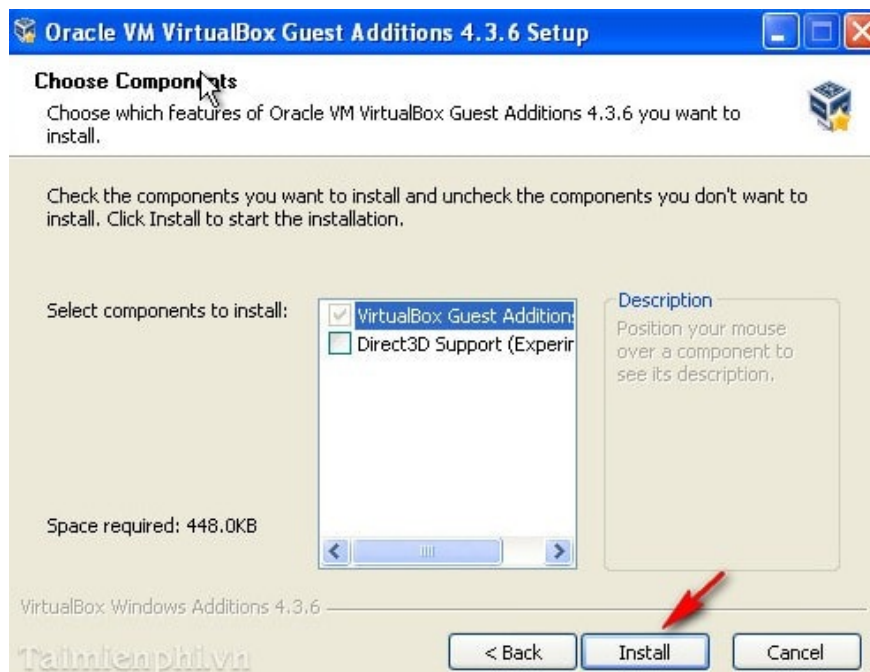
A new window will appear, click **Next**.



Continue by selecting **Next**



Select **install**



Select **Continue Anyway**



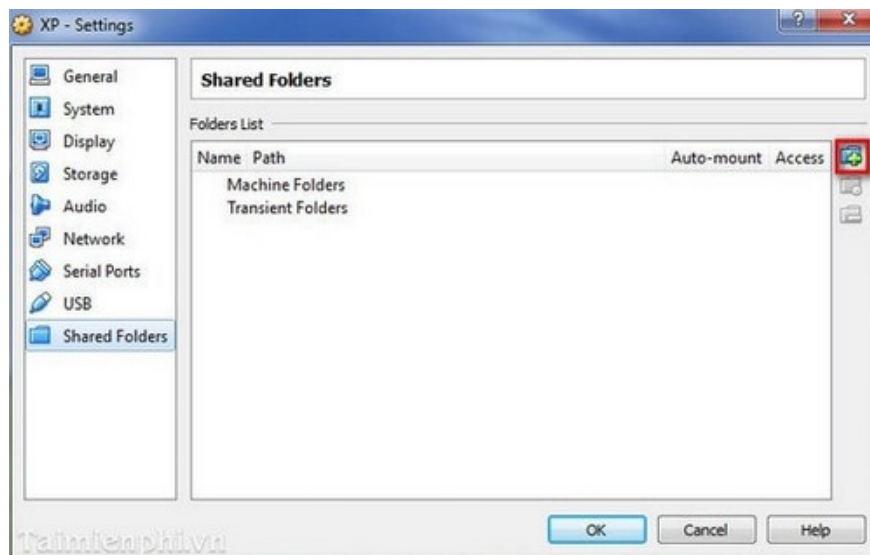
Next, restart the virtual machine.



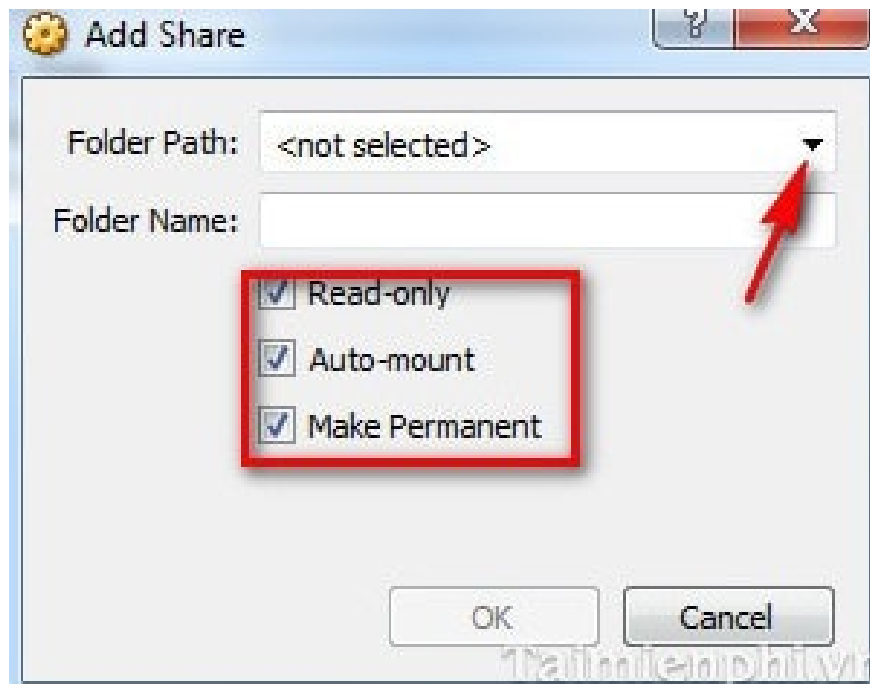
**Step 3** : After successful startup and installation, on the virtual machine, select **Devices --> Shared folder Settings**



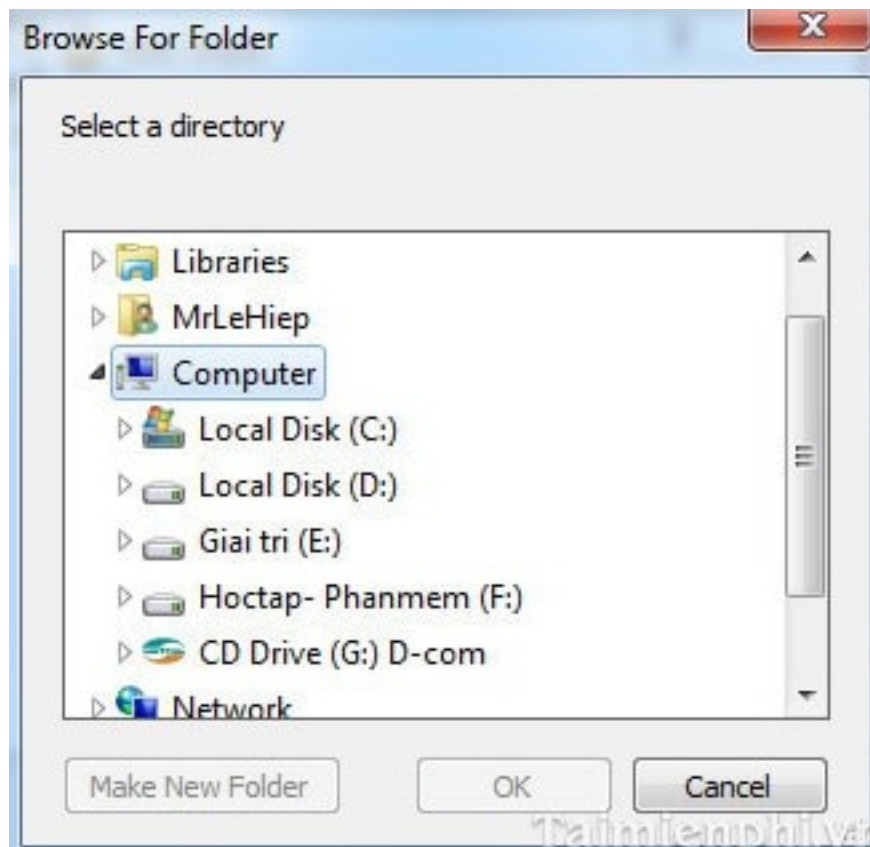
**Step 4 :** Click on the icon as shown below.



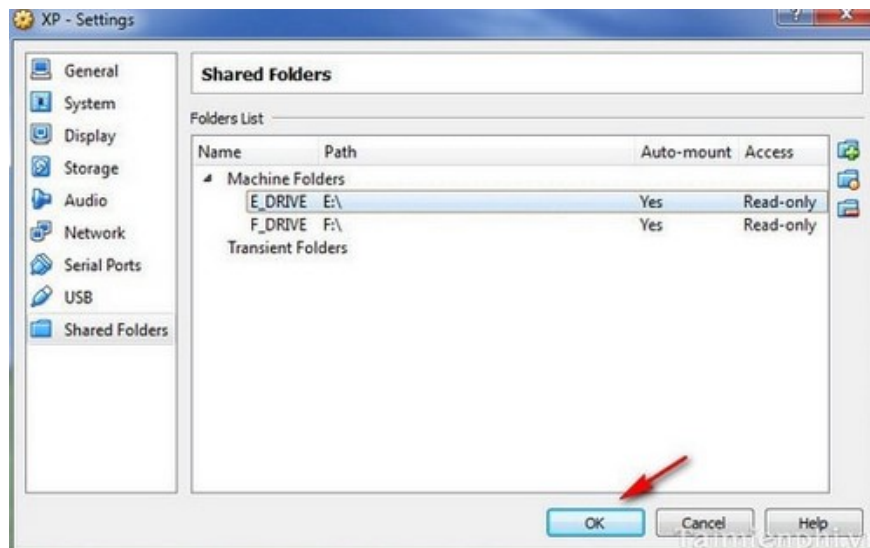
**Step 5 :** A new window will appear. Here, you check the options to set the permissions for sharing files. **In the "Folder path" field, specify the folder and files you want to share from the physical machine to the virtual machine, then click OK.**



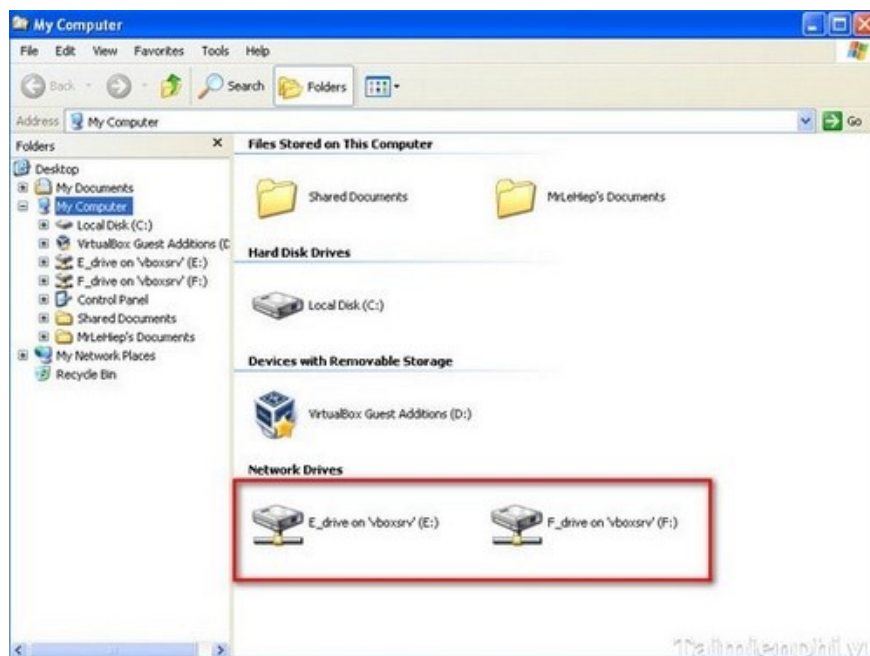
Select the folder and files you want to share from the virtual machine.



After selecting the folder and files you want to share, click **OK** to confirm, then restart the virtual machine.



**Step 6 :** After the startup is complete, go to Computer. Here, you will see that drives, folders, and files E and F are shared from the physical machine to the virtual machine.



Above, we have just guided you through the steps to share data between a physical machine and a virtual machine in VirtualBox. With this technique, you can easily share data for work, study, and entertainment when using a virtual machine in VirtualBox.

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