Linux on Virtual Machine

Installation of Linux on a virtual box:
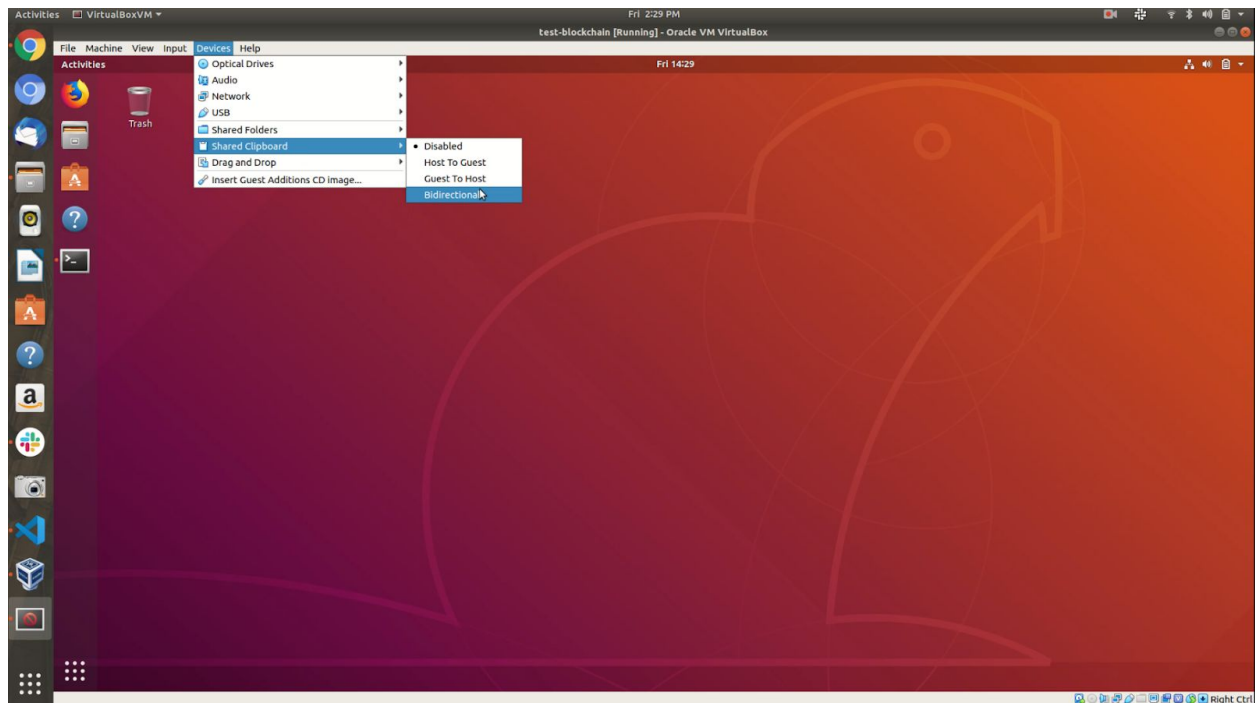https://www.wikihow.com/Install-Ubuntu-on-VirtualBox

Step 1: Additional Configurations for the smooth functioning of your VM.

1.1 Setup Clipboard

This step allows the user to use the clipboard from host to guest and vice versa. On the menu bar, select "Devices" > "Shared Clipboard" > "Bidirectional".
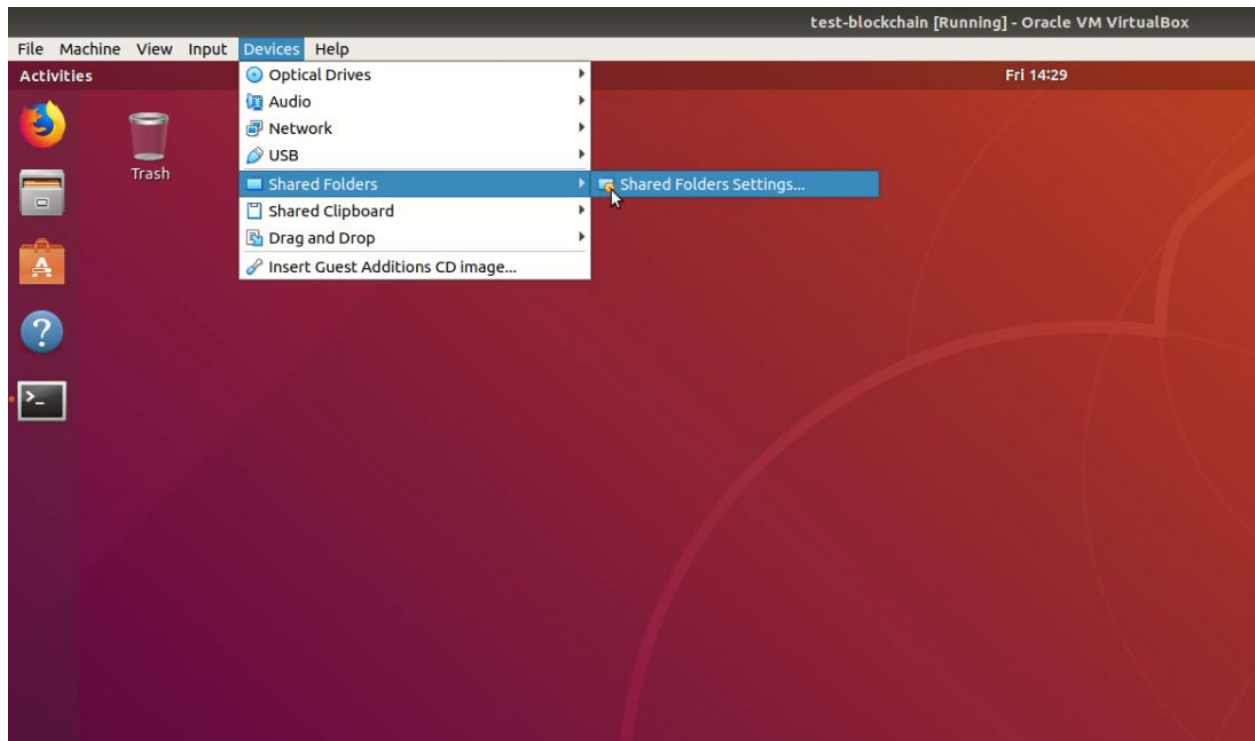

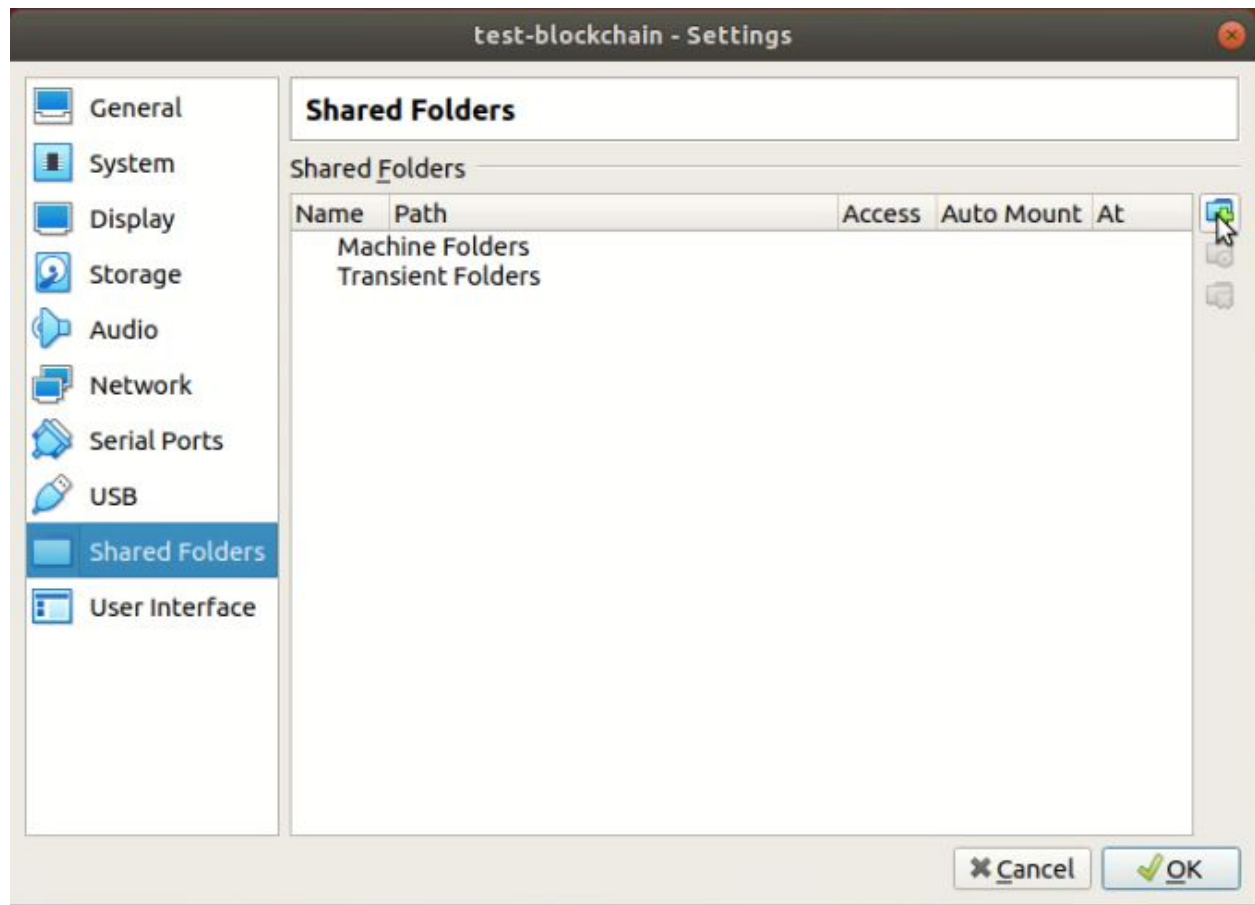## 1.2 Setup Shared Folder between the host and the VM.

Setting up a shared folder allows us for easy file exchange between the host and the guest system.

1.2.1 On the menu bar click "Devices" > "Shared folders" > "Shared Folders Settings...".

There are two types of shared folders. "Machine Folders" are permanent folders that are shared until you remove them. "Transient Folders" are temporary and are automatically removed when you restart or shut down the virtual machine.

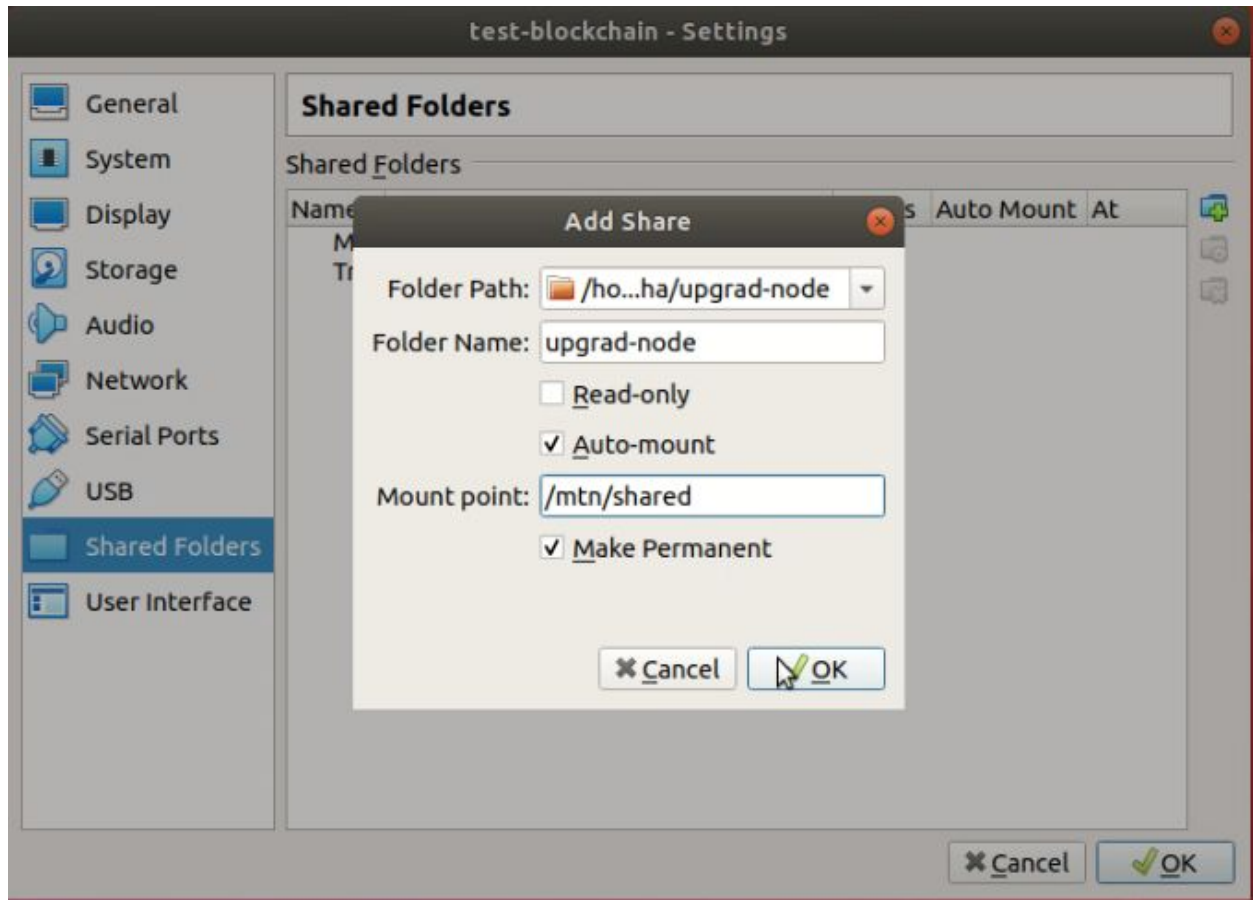1.2.2 Press the "Add shared folder" button on the right side.

1.2.3 You need to map a folder on your host OS to a folder on your VM. For this, either create a new folder or use an existing folder and mention the path of this folder in the "Folder Path"

In our case, we have created a folder on our host system named "upgrad-node" in the following path "/home/akashsinha/upgrad-node". Click on the dropdown arrow in the "Folder Path" text box and browse to the directory which you want to share.

1.2.4 Select "**Auto-mount**" > "**Make Permanent**"

1.2.5 Enter the path of the folder in your VM to which you want to map the Host folder in the "mount point" attribute. We have selected "/mnt/shared" as the mount point. You can mention any path of your choice on your VM.

1.2.6 Click *Ok*

Step 2: Install a code editor on your system. You will need a code editor while developing codes. Please refer to this link to install Atom editor on your Virtual Machine.