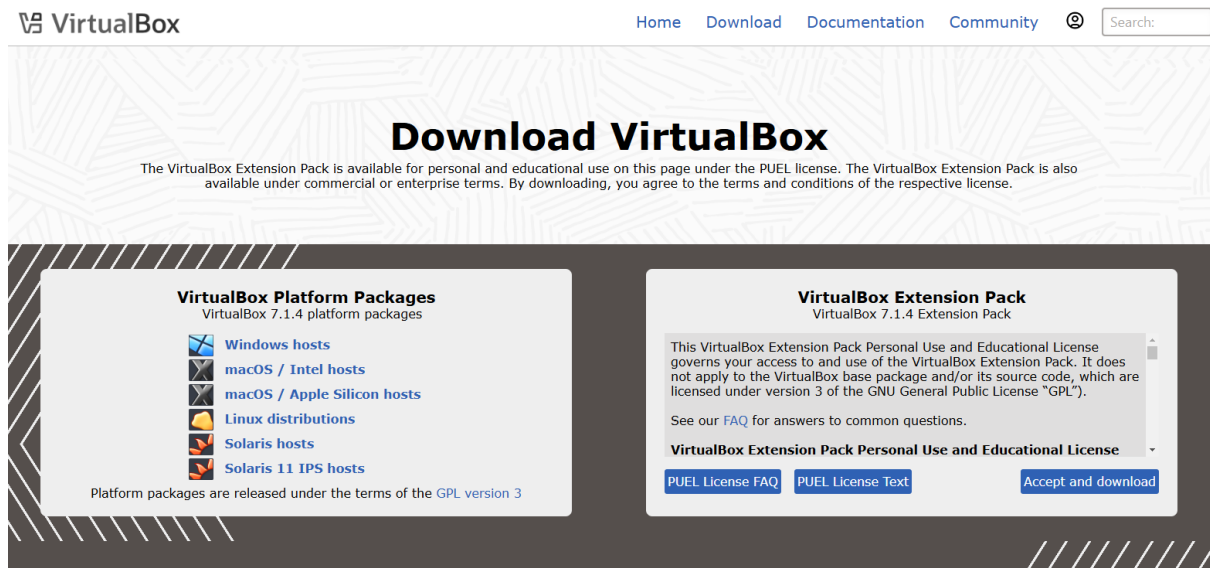


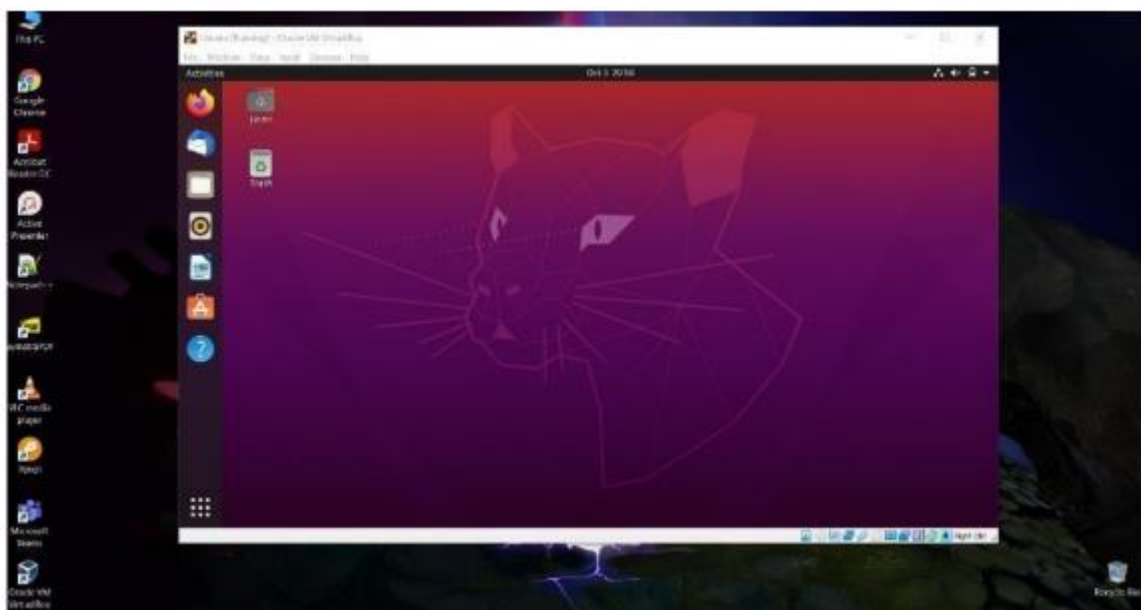
# Virtual Network Simulation Description:

## STEP1: Download the virtual Box in your Host OS and Install the Guest OS in the virtual machine

**Virtual Box:** Download virtual box from official website



## STEP2: First we will share a folder from host machine to one VM. Create a folder in the Host Machine.



**STEP3: Install the VM and download the necessary files and then install another VM say vm2 and download the necessary files.**

VMware vSphere

Virtual Machine Files

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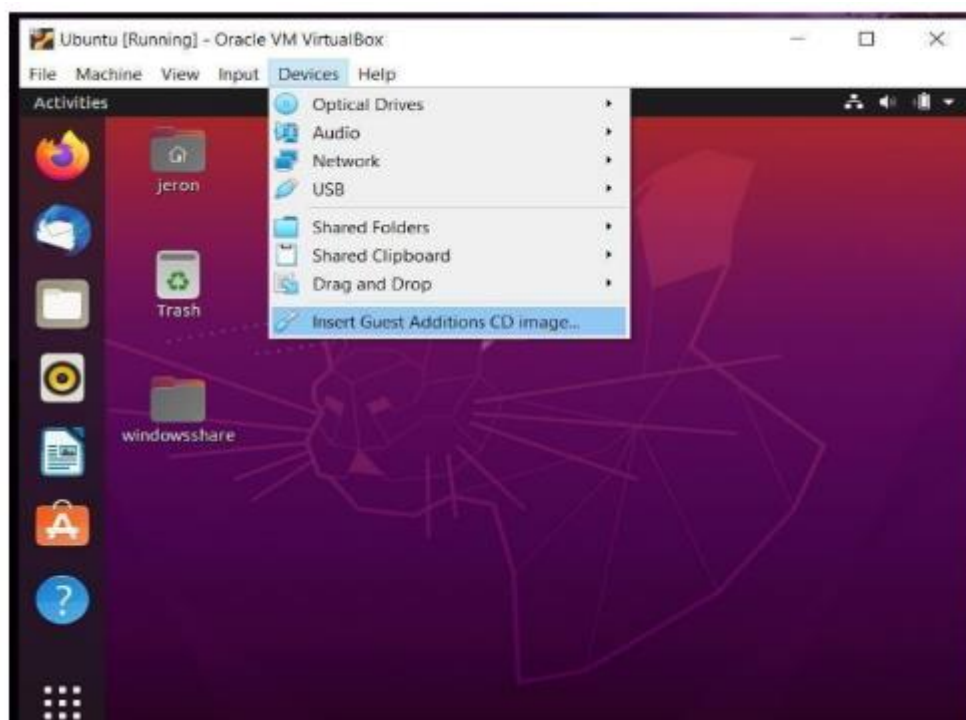
A virtual machine consists of several files that are stored on a storage device. The key files are the configuration file, virtual disk file, NVRAM setting file, and log file. You configure virtual machine settings through the vSphere Client, one of the vSphere command-line interfaces (PowerCLI, vCLI), or the vSphere Web Services SDK.

**Caution:** Do not change, move, or delete virtual machine files without instructions from a VMware Technical Support representative.

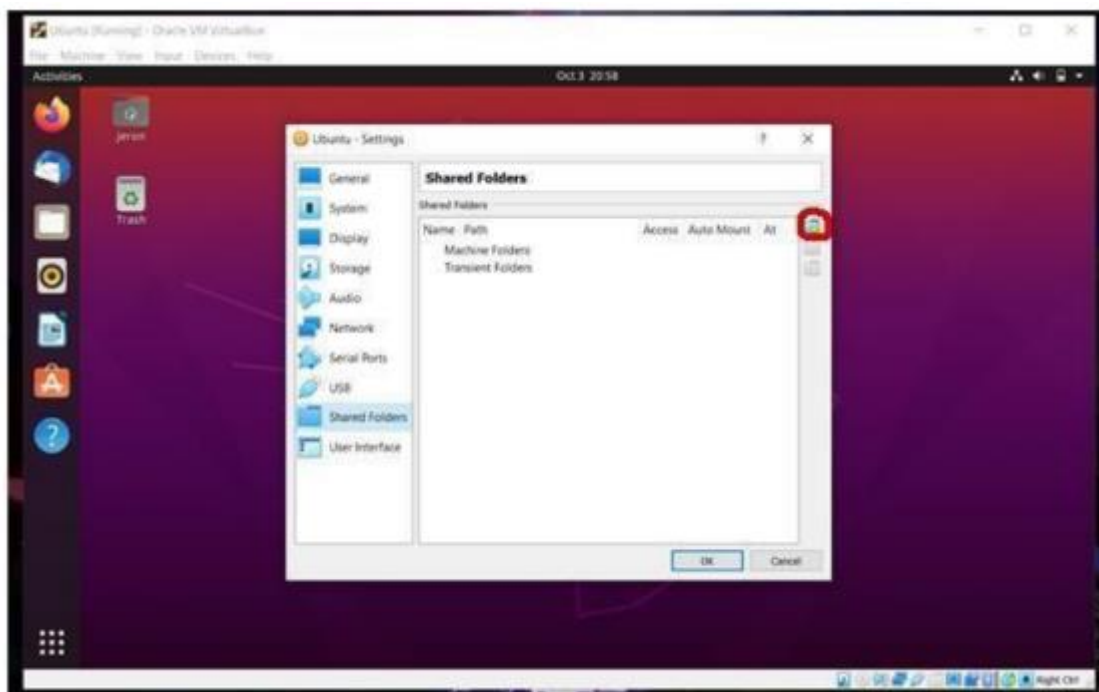
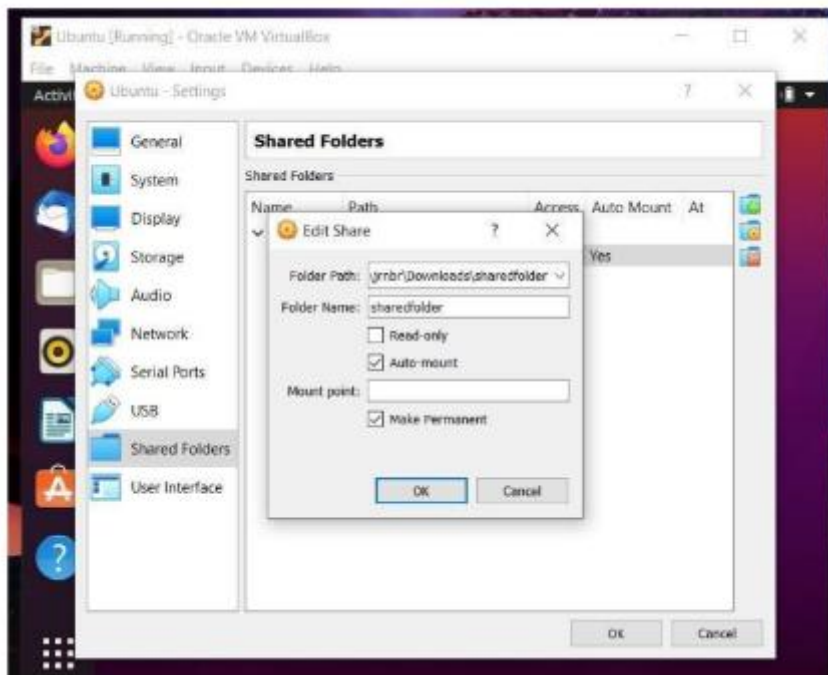
Table 1. Virtual Machine Files

| File       | Usage            | Description                                    |
|------------|------------------|--|
| .vmx       | vmname.vmx       | Virtual machine configuration file             |
| .vmxf      | vmname.vmx       | Additional virtual machine configuration files |
| .vmdk      | vmname.vmdk      | Virtual disk characteristics                   |
| -flat.vmdk | vmname-flat.vmdk | Virtual machine data disk                      |

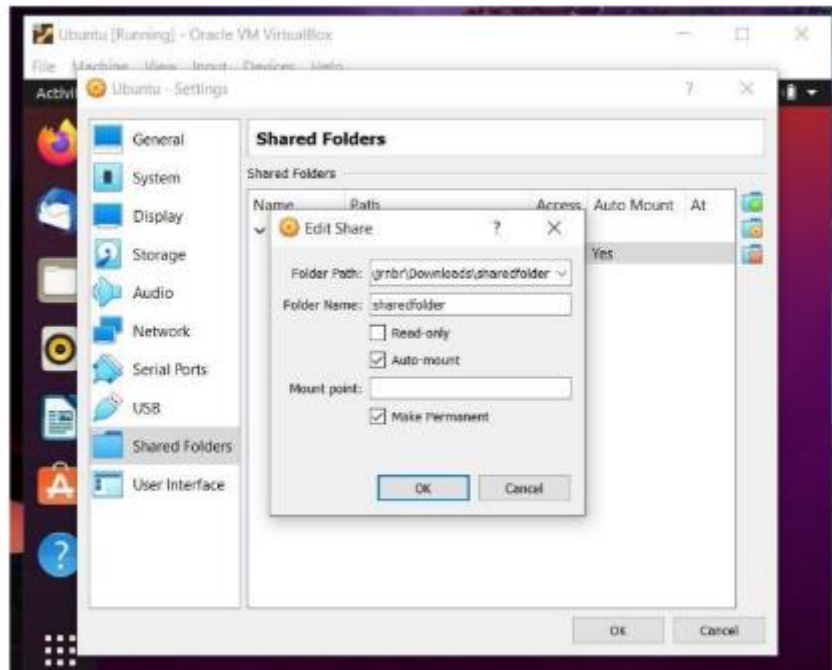
**STEP4: Now run the VM and Go to Device->Insert Guest additional CD image option and install the CD image and eject the CD image this helps in the access of file from one and eject the CD image this helps in the access of file from one VM to another.**



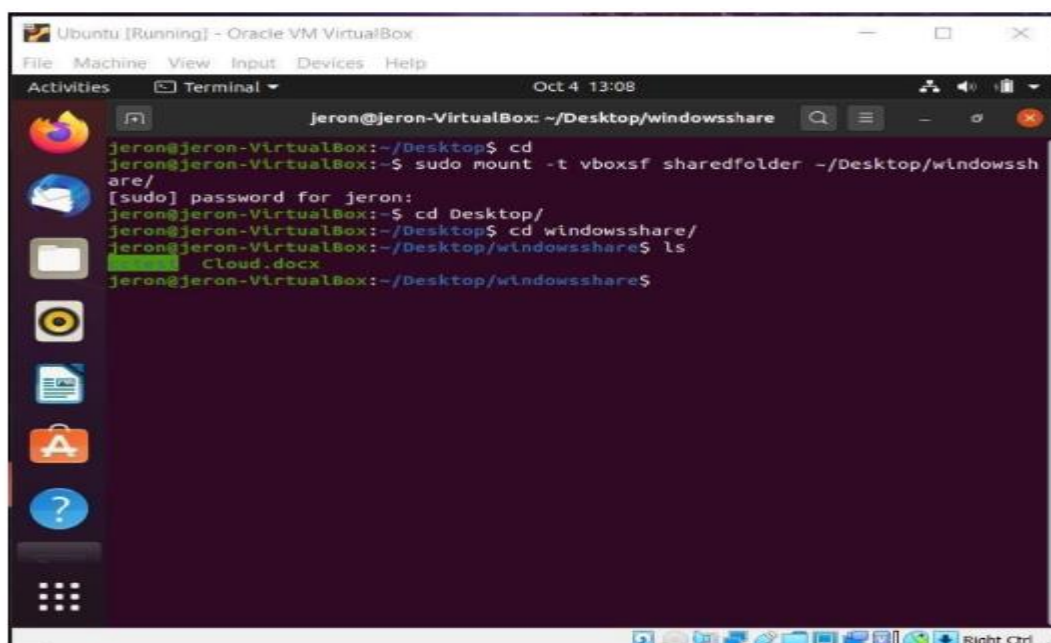
**STEP5: Go to Device->Shared Folder->Shared Folder Settings and a dialog box appears.**



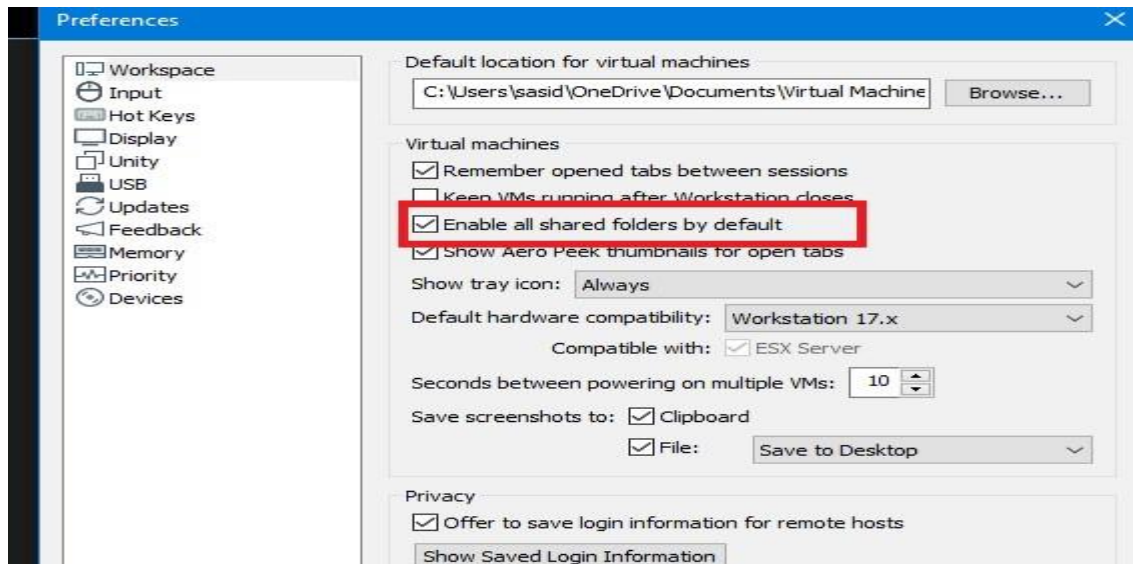
**STEP6: Click on the Add File as marked in the above picture and give the directory of a share folder in the Host Machine and click ok**



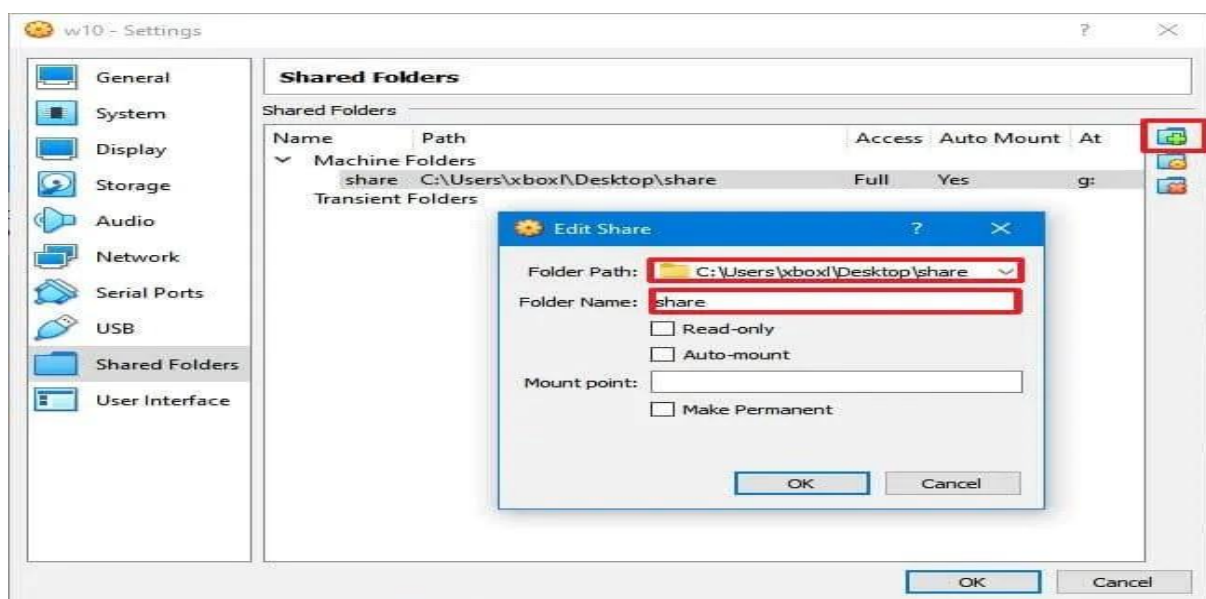
**STEP7:** Now open the terminal and create a folder of your choice and command `sudomkdir ~/Desktop/ windowshare` in the vm folder with `windowsshare` will be created in the vm desktop. And type `sudomount -t vboxsf "folder name" ~/Desktop/ windowshare` and enter.



**STEP8:** Now, we can access the shared file in the VM. Now to share folder from one VM another VM.



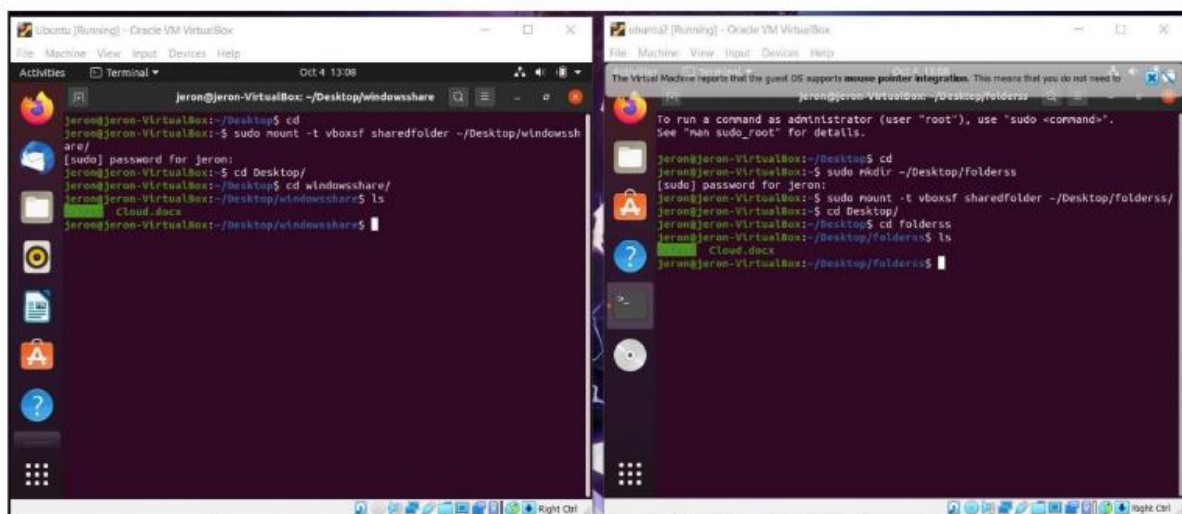
**STEP9:** Create a file inside the folder windows share of VM and Run the VM2 and do step 4 to 6.



**STEP10:** Now open the terminal in vm2 and create a folder of your choice as step 7.

```
code-project -- -bash -- 56x17
~/Desktop$ mkdir code-project
~/Desktop$ cd code-project
~/Desktop/code-project$ mkdir css
~/Desktop/code-project$ mkdir img
~/Desktop/code-project$ ls
css      img
~/Desktop/code-project$
```

**STEP11:** Now type `sudo munt -t vboxsf "filename"`  
`~/Desktop/"folderinvm2"`



**STEP12: Now enter and view the folder and the folder in the VM1 will be seen in VM2**

