**To enable Guest Additions (caution: you will not be able to “sandbox” your virtual machine enabling this, rather it’ll put the virtual machine and host closer together):**

Step 1: Open Terminal and execute:



Step 2: Then:



Step 3: Then restart virtual machine

Step 4: Then execute “sudo apt install build-essential dkms linux-headers-$(uname -r)”:



Step 5: Click out of Terminal, then click Devices, then Insert Guest Additions CD image…. (red arrow):

A picture containing graphical user interface

Description automatically generated

Step 6: If nothing pops up, then click on CD that appears:

A picture containing text, electronics

Description automatically generated

Step 7: Then click the three vertical dots, then Open in Terminal:

Graphical user interface, text, application, chat or text message

Description automatically generated

Step 8: Then execute the following:

Text

Description automatically generated

Step 15: Then restart your virtual machine, and you will now be able to resize your virtual machine, and you will be able to copy and paste on each other’s clipboards:

A screenshot of a computer

Description automatically generated with medium confidence

There are drag and drop issues between Ubuntu VM and Windows 10 host as noted in <https://superuser.com/questions/1705916/drag-drop-does-not-work-for-win-10-host-and-ubuntu-lts-20-04-guest-on-oracle-v> , and I cannot make drag and drop work for mine.

**Steps for sharing folder between Ubuntu VM and Windows 10 host:**

Step 16: First I created a folder on my host called “Test shared folder”:

Graphical user interface, text, application

Description automatically generated

Step 17: Go to Devices > Shared Folders > Shared Folder Settings. Then click on blue folder (red arrow):

Graphical user interface, text, email

Description automatically generated

Step 18: Choose dropdown next to Folder Path, then “Other”:

Graphical user interface, text, application

Description automatically generated

Step 19: Go to “test shared folder”, then click “Select Folder”:

Graphical user interface, application

Description automatically generated

Step 20: Then Ok:

Graphical user interface, application

Description automatically generated

Step 21: Then click Ok:

Graphical user interface, text, application, email

Description automatically generated

Step 22: What will now appear:

Graphical user interface

Description automatically generated

Step 23: When you click on it it will state however:

Graphical user interface, text, application

Description automatically generated

Step 24: Open Terminal to execute the following where you are adding yourself to a shared folder group:

Text

Description automatically generated

Step 25: Then restart your machine. Now we can access the shared folder:

Graphical user interface, application

Description automatically generated

Step 26: File created of “Testing sharing!” in our host:

Graphical user interface, text, application

Description automatically generated

Now we see the file in our Ubuntu machine:

Graphical user interface, application

Description automatically generated

References:

<https://askubuntu.com/questions/321589/unable-to-mount-the-cd-dvd-image-on-the-machine-sandbox>

<https://forums.virtualbox.org/viewtopic.php?f=8&t=105879>

<https://virtual-dba.com/blog/issues-installing-guest-additions-ubuntu-20-04/>

<https://helpdeskgeek.com/virtualization/virtualbox-share-folder-host-guest/>

<https://askubuntu.com/questions/890729/this-location-could-not-be-displayed-you-do-not-have-the-permissions-necessary>

<https://www.softwaretesttips.com/virtualbox-guest-additions/>

<https://www.virtualbox.org/manual/ch13.html>

<https://forums.virtualbox.org/viewtopic.php?f=1&t=76667>