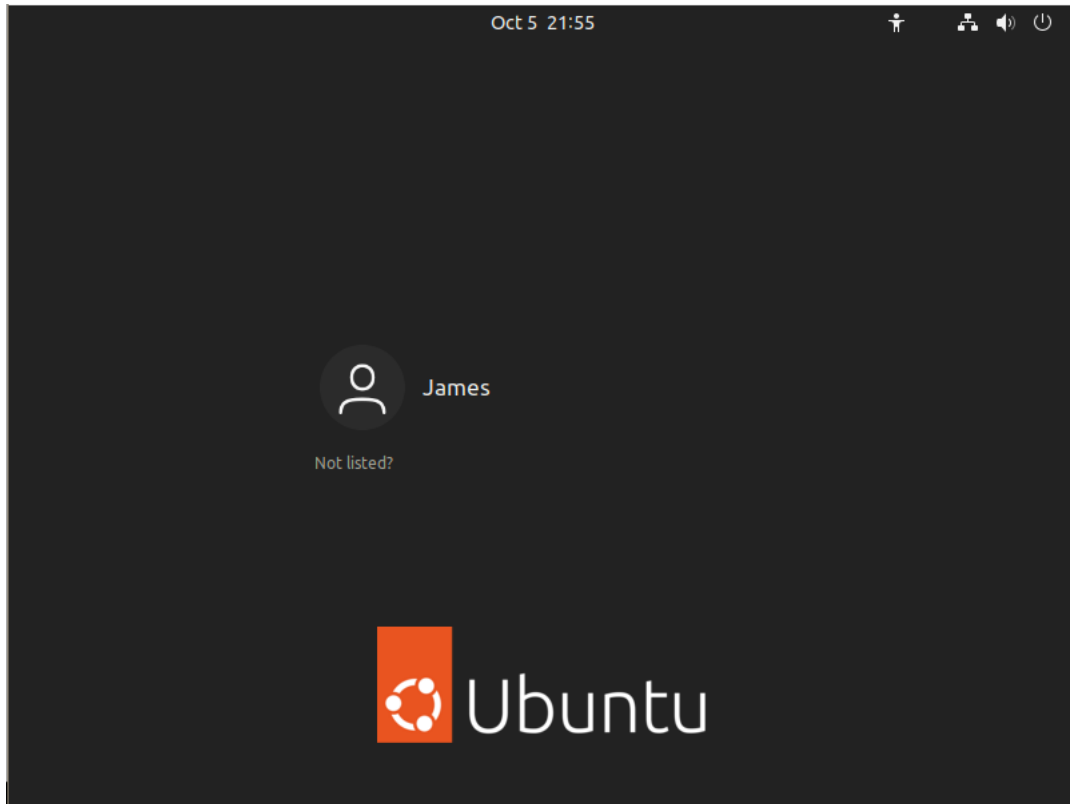
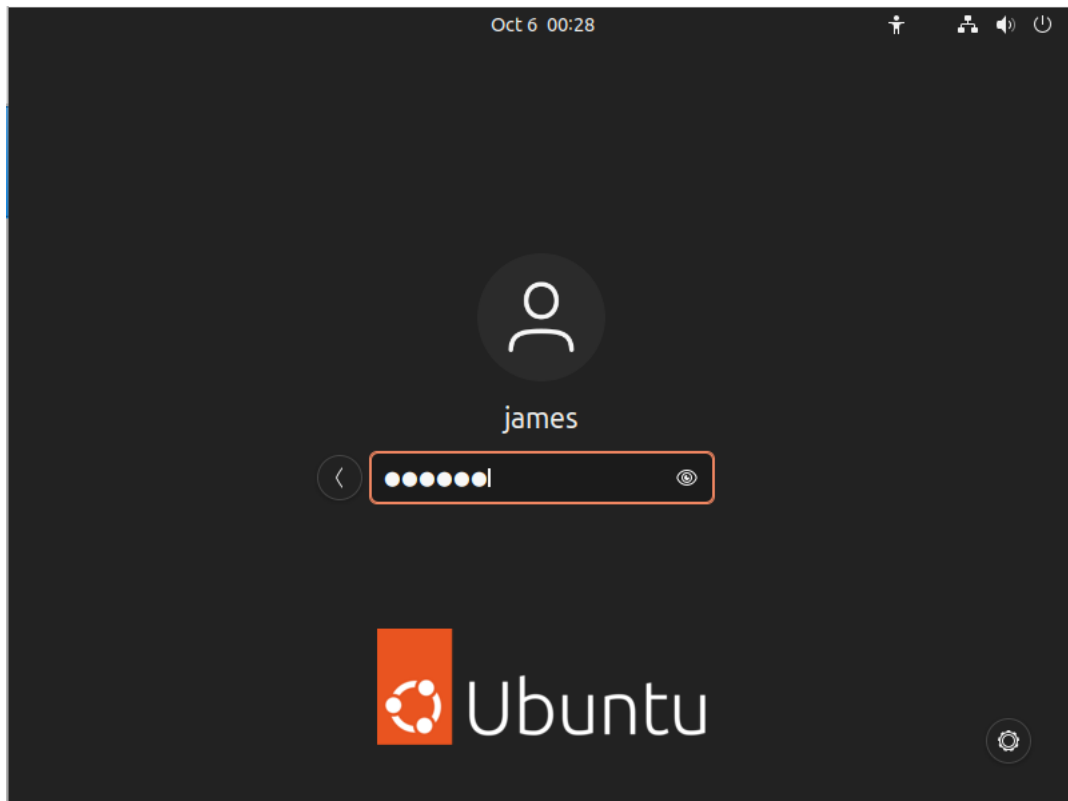


RACHEL Linux Desktop Installation

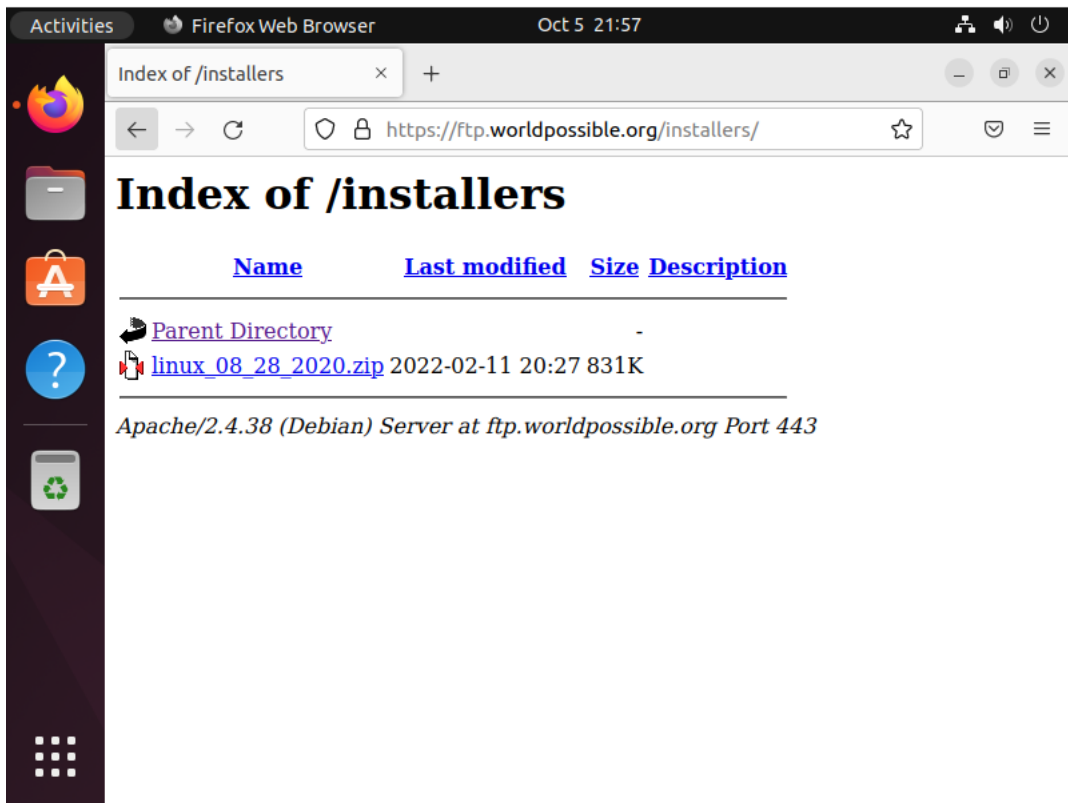
This tutorial will show you how to install RACHEL on a Linux Desktop

1. Install Ubuntu on your system and connect it to the internet
2. Log in to your Ubuntu admin account. Mine is called “James”



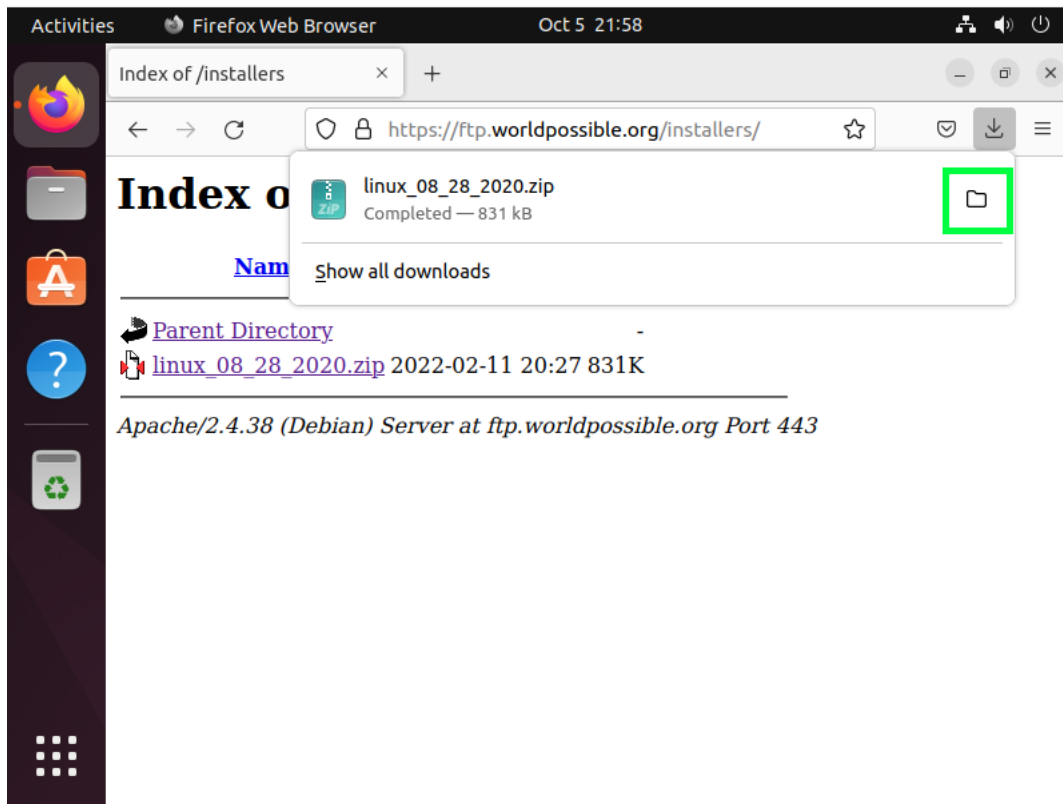


3. Open a web browser and navigate to <https://ftp.worldpossible.org/installers/>

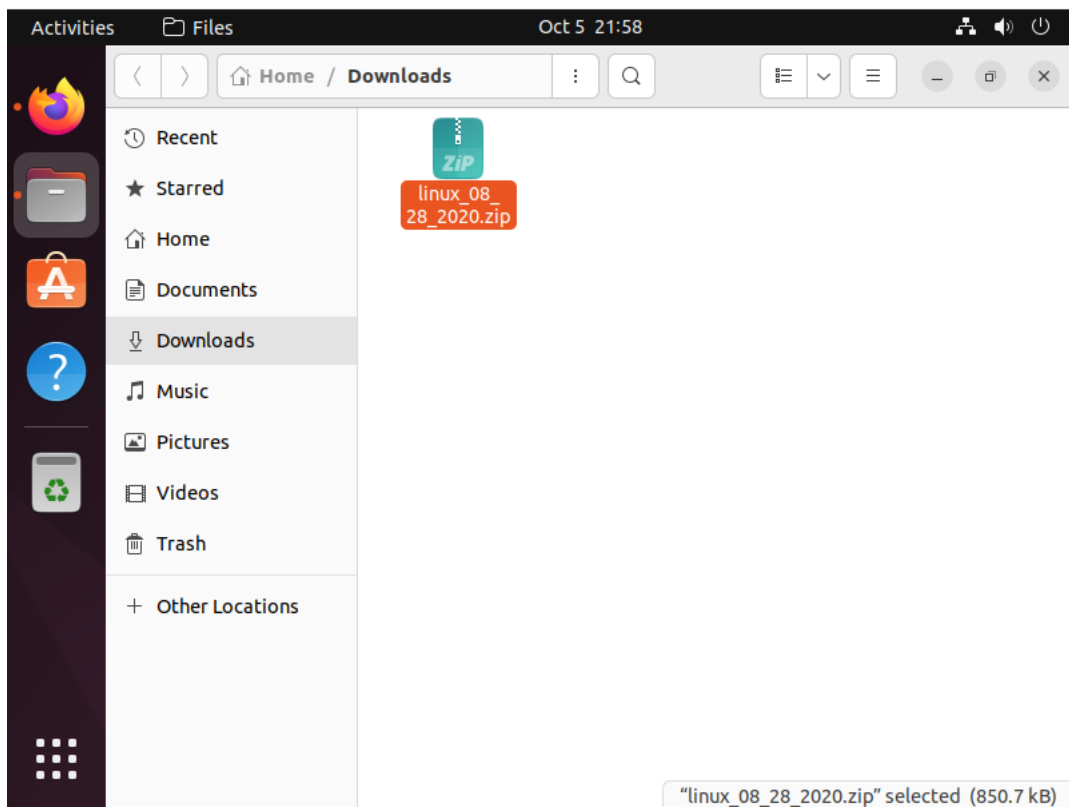


4. Click the installer link to download it.

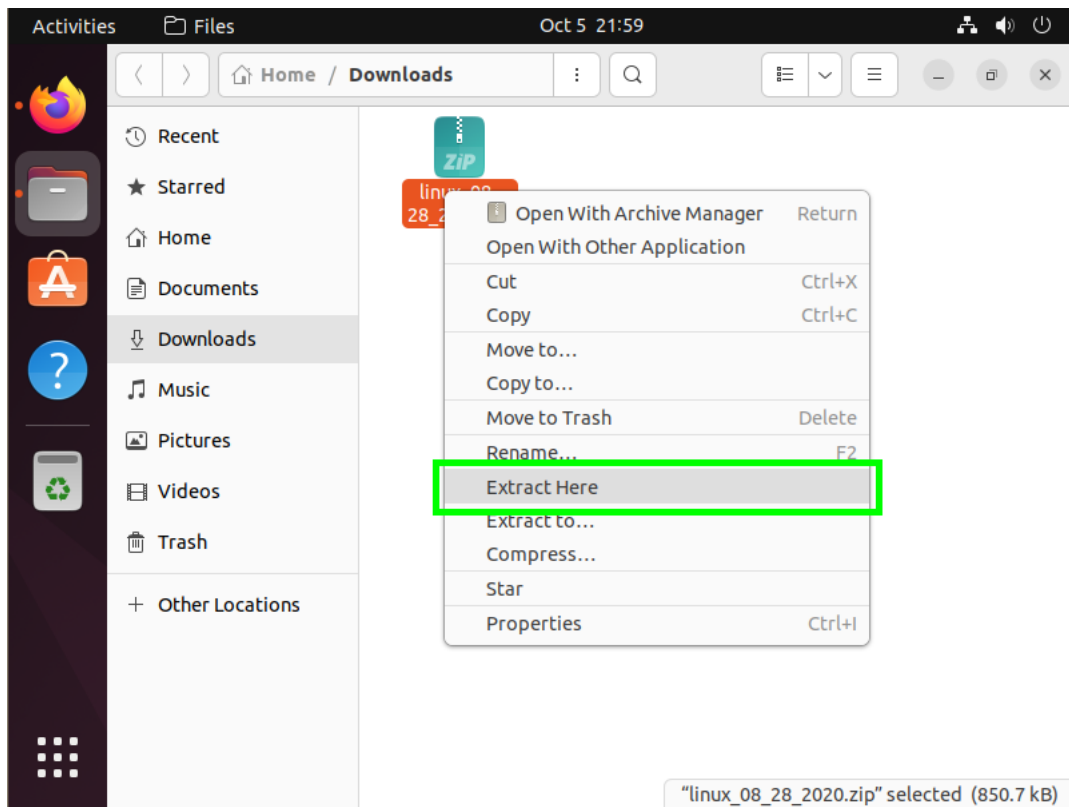
- For Ubuntu 20 installations download linux_08_28_2020.zip
 - For Ubuntu 22 installations download linux_010_05_2022.zip
5. When the download completes click the folder icon to go to the download



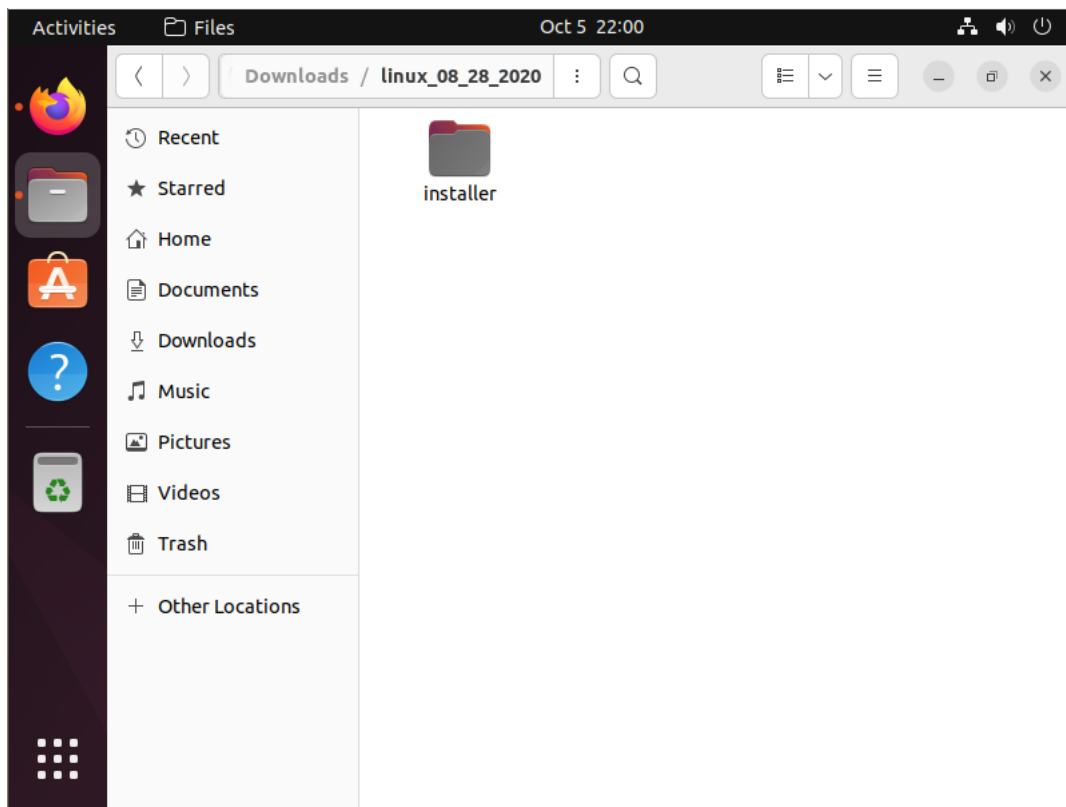
6. You should now see your downloaded zip



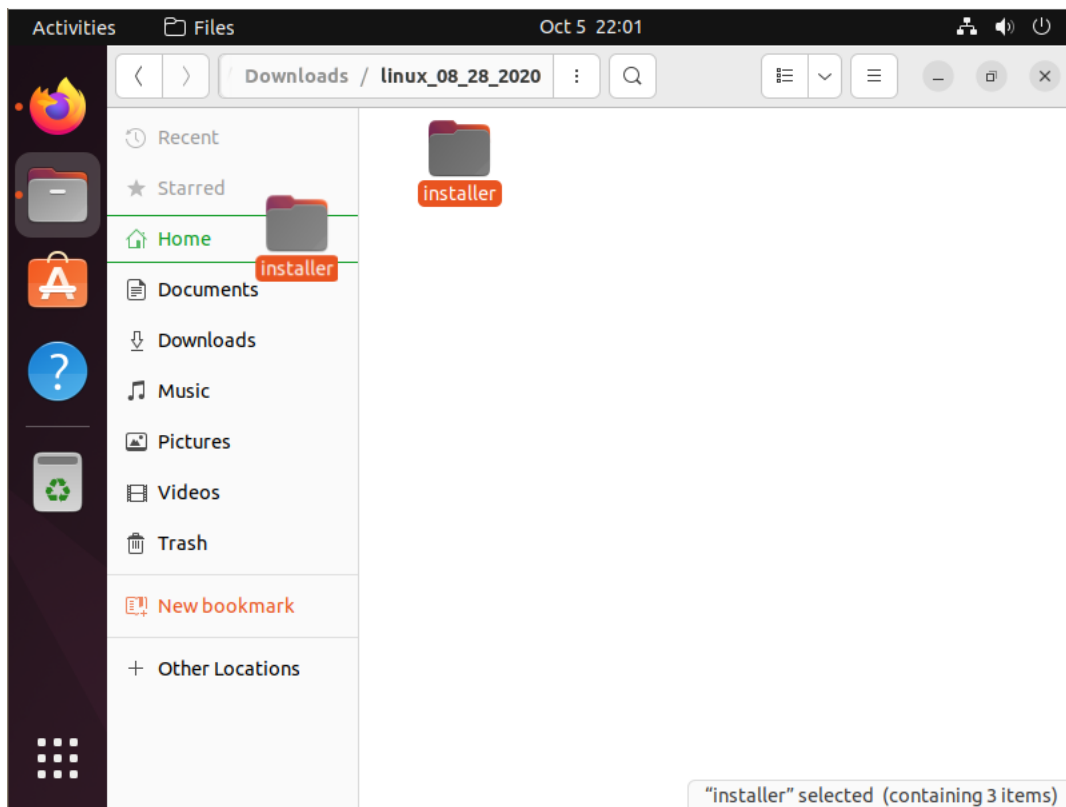
7. Right click the file and select “Extract Here”



8. Double click the extracted folder to open it. You should see a folder called “installer”

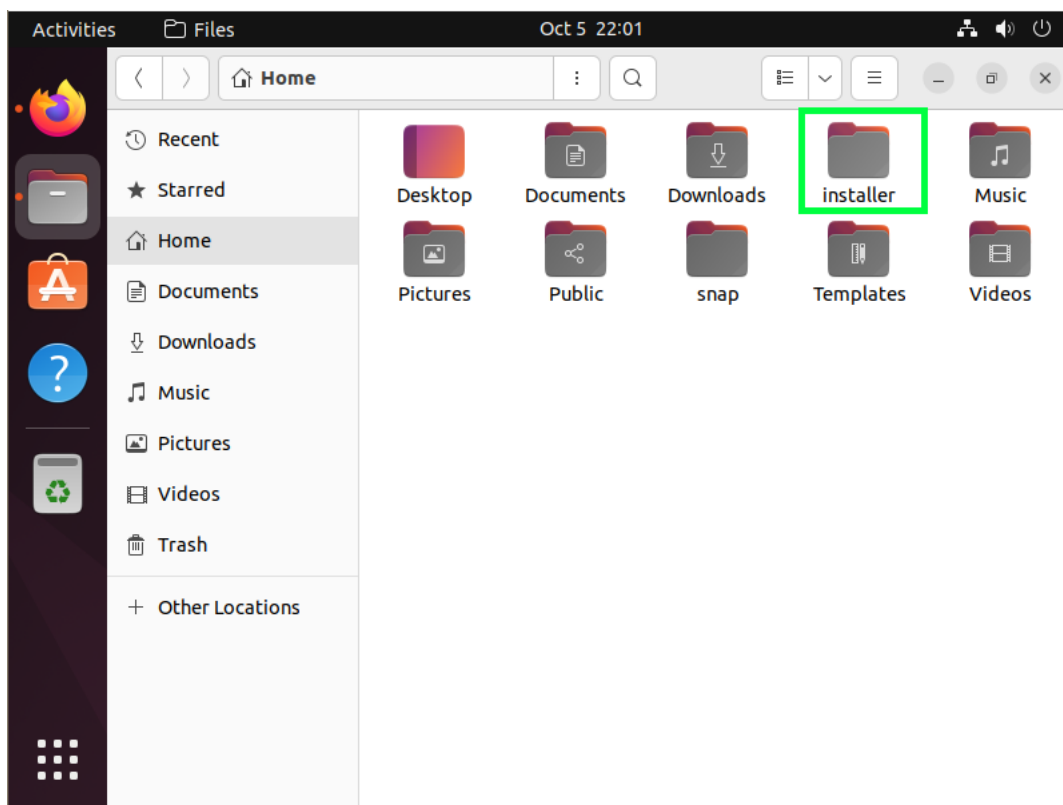


9. Drag the installer folder to the “Home” directory on the left panel

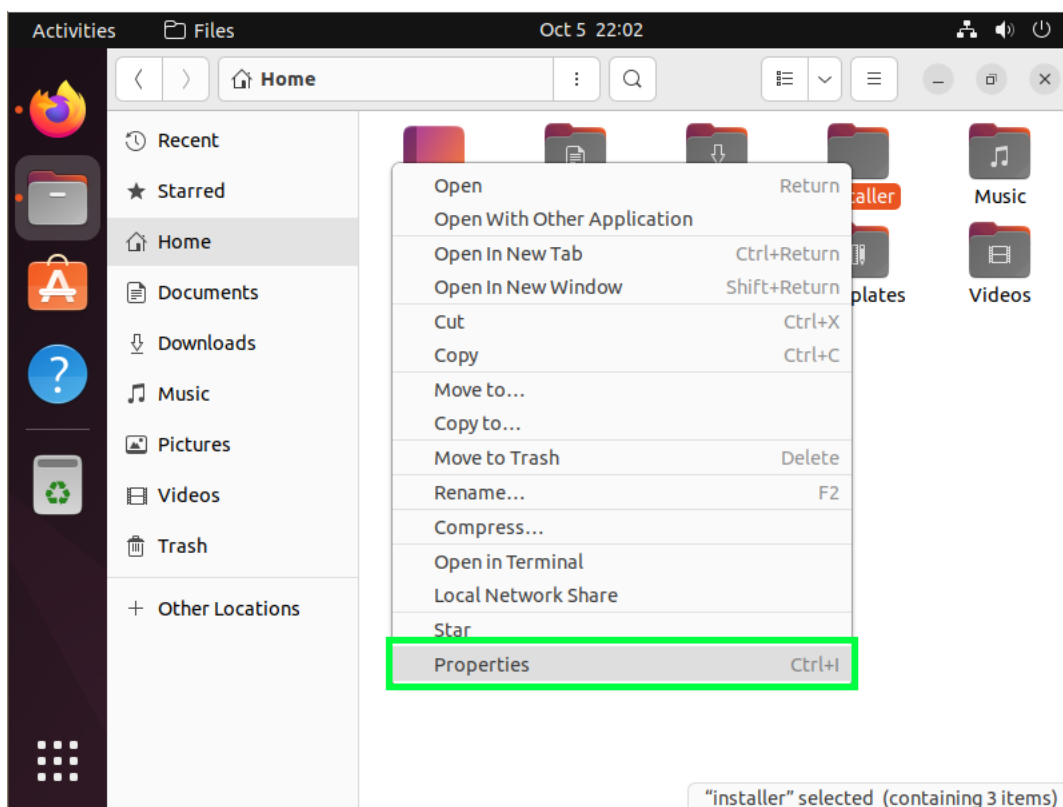


10. Click the “Home” link on the left side to get to your home directory. You should see the “installer”

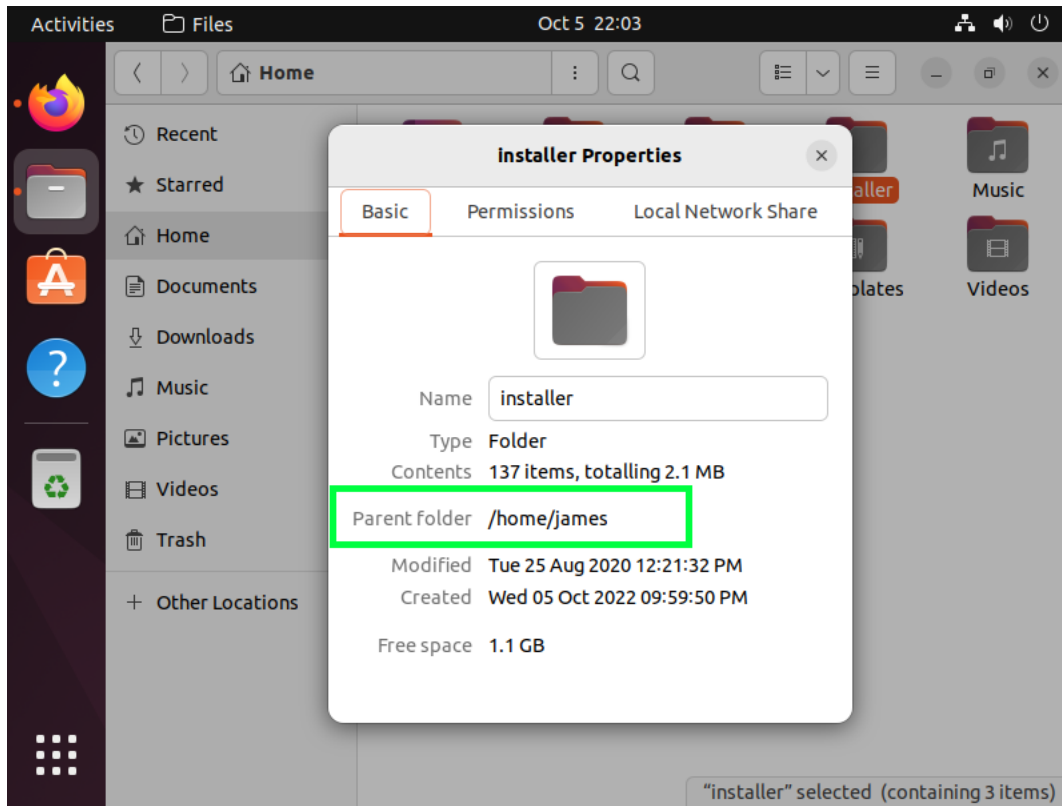
folder here now



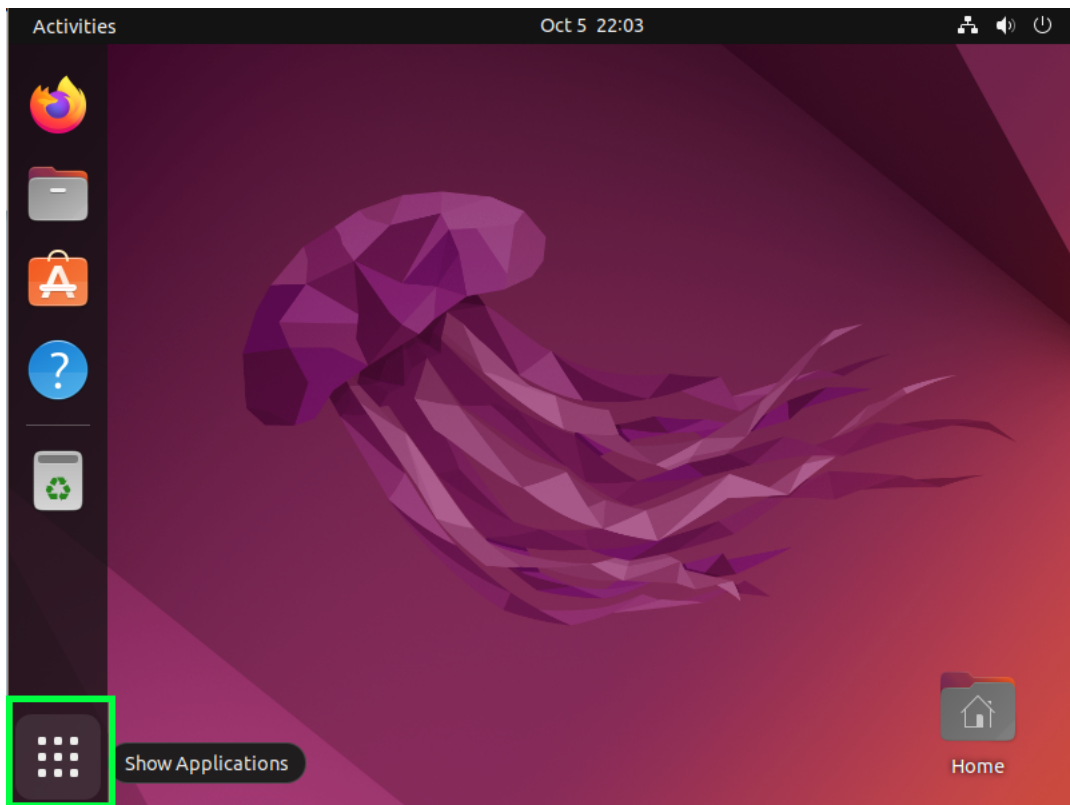
11. Right click the folder and click “properties”



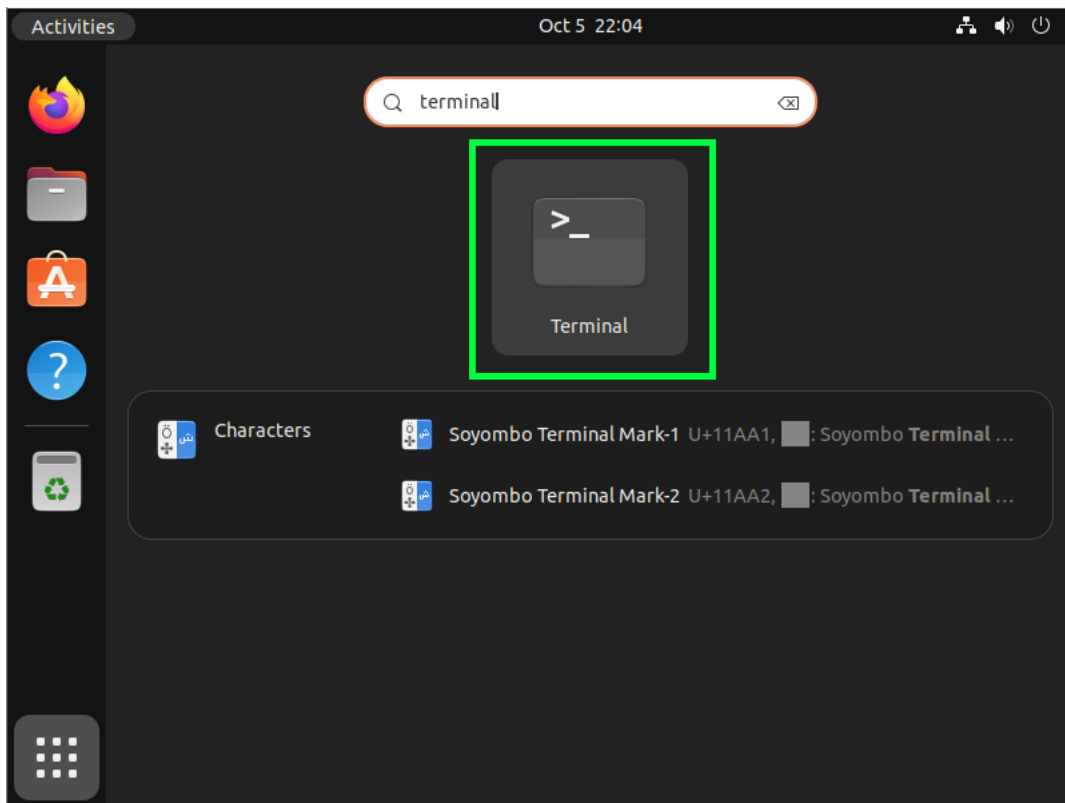
12. Look for the “folder path”. You will need this path to run the installer. It will be /home/username/. In this example, /home/james/



13. Click the “Show Applications” button



14. Search for “terminal” and click the terminal icon that shows to open a terminal window

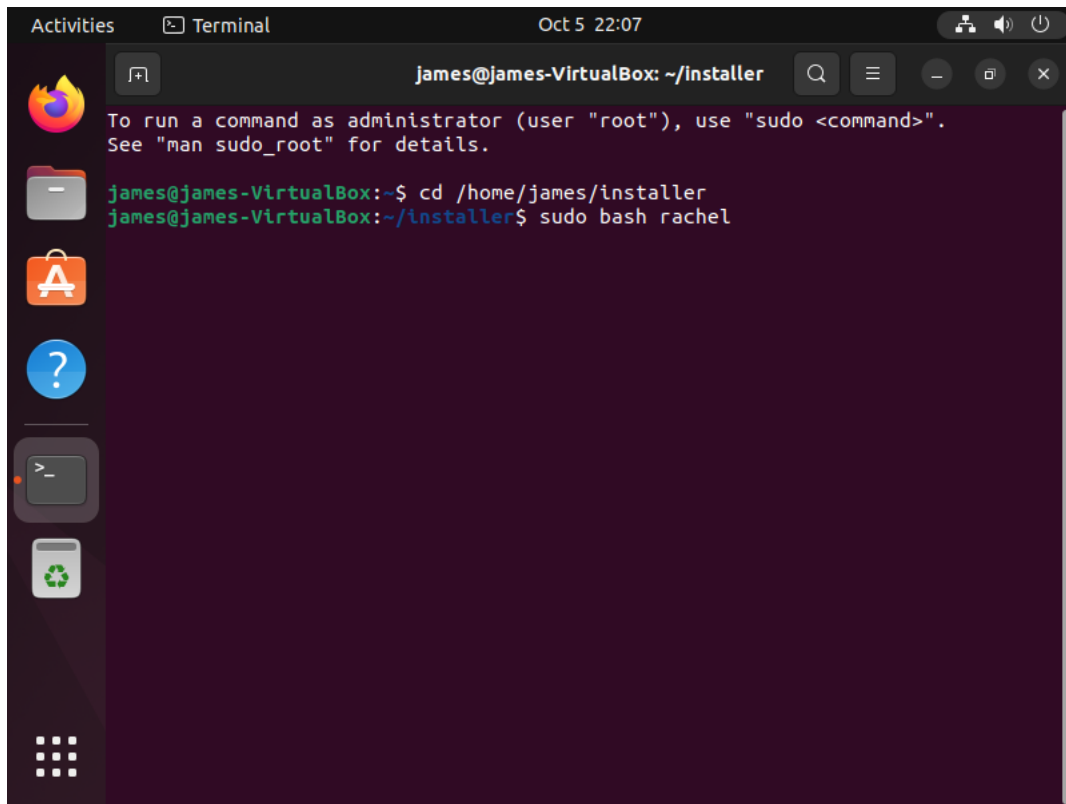


15. Using the folder path from your previous step, type the command “`cd /home/james/installer`” and

press enter.

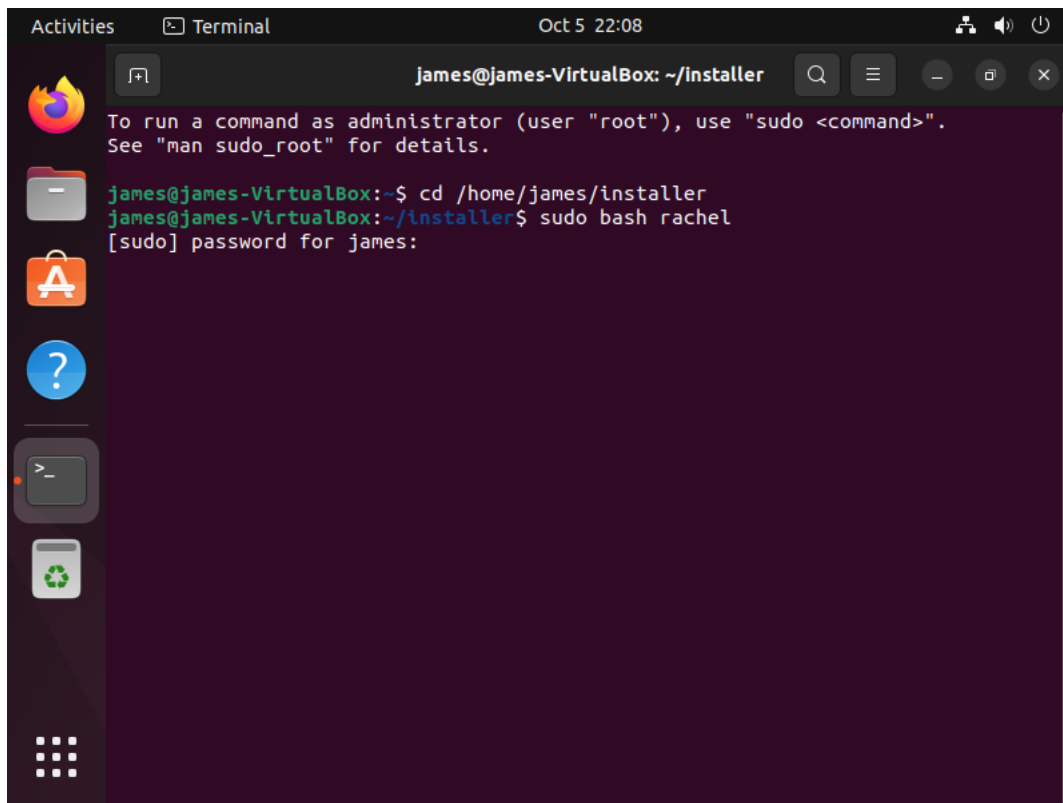
- /home/james/installer is an example. Your path will be /home/yourusername/installer

16. Type the command “sudo bash rachel” and press enter

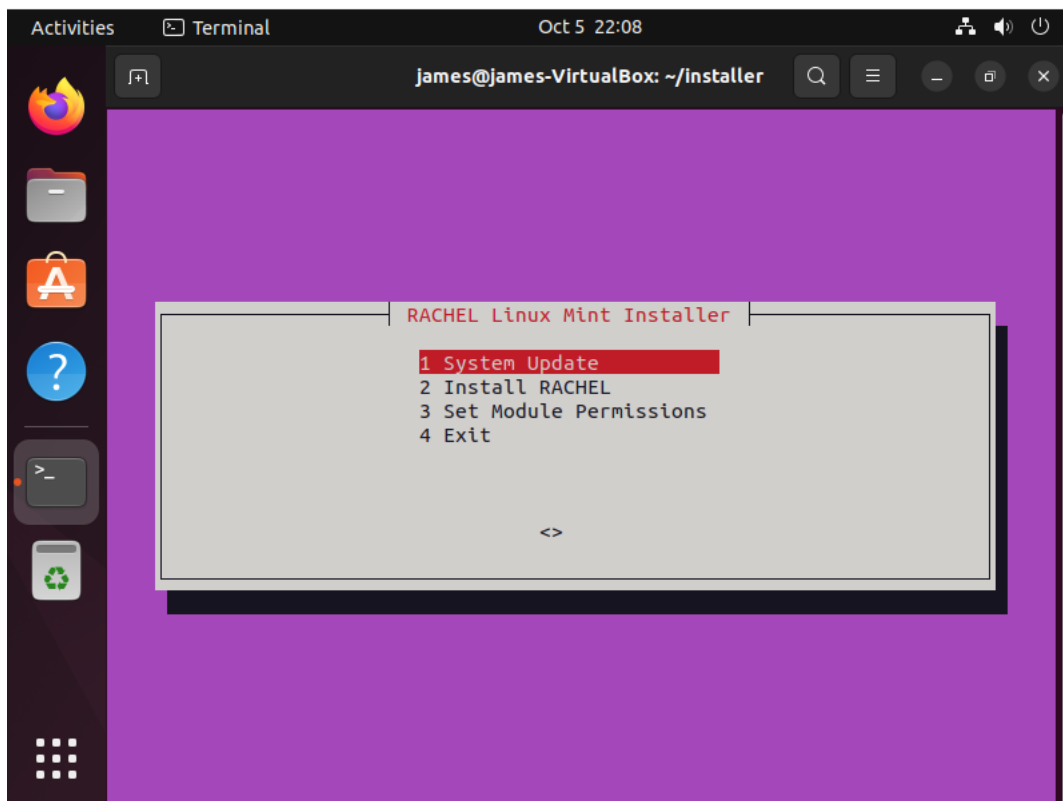
A screenshot of a terminal window titled "Terminal" with a timestamp of "Oct 5 22:07". The window shows a user named "james" at a host named "james-VirtualBox" in the directory "~/Installer". The terminal displays a message: "To run a command as administrator (user 'root'), use 'sudo <command>'. See 'man sudo_root' for details." Below this, the user enters the command "cd /home/james/installer" and then "sudo bash rachel". The terminal has a dark purple background and a sidebar on the left with various application icons.

```
Activities Terminal Oct 5 22:07
james@james-VirtualBox: ~/Installer
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.
james@james-VirtualBox:~$ cd /home/james/installer
james@james-VirtualBox:~/installer$ sudo bash rachel
```

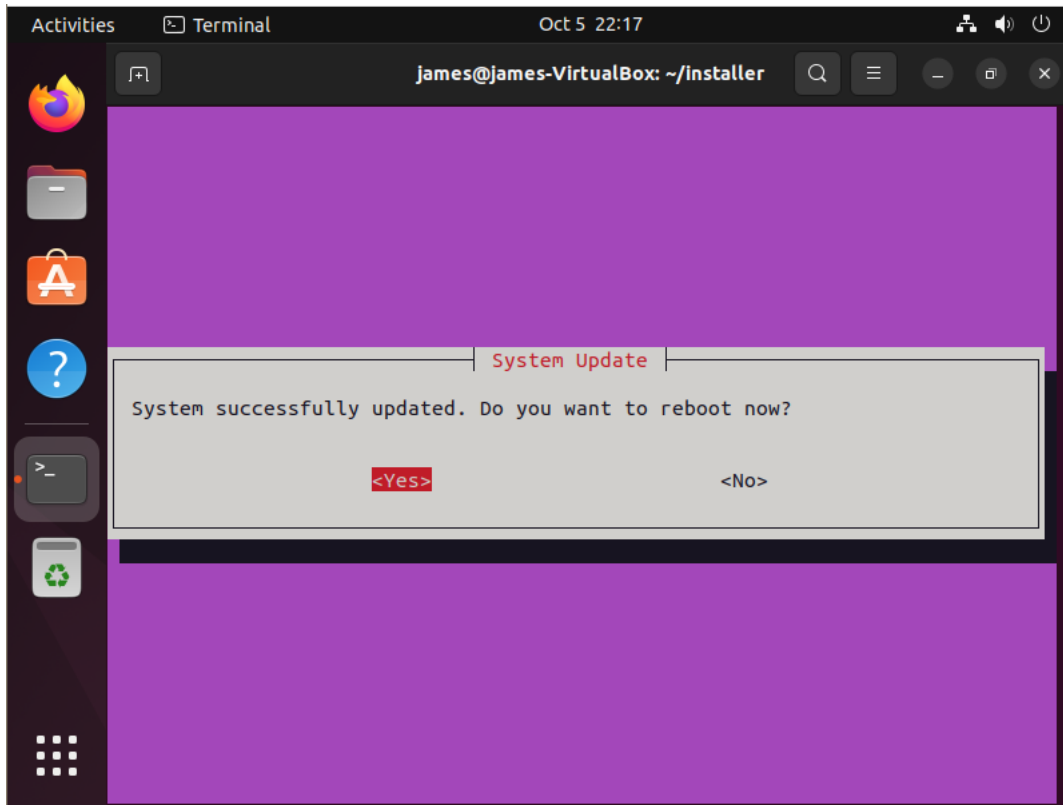
17. If asked for your password, enter your password



18. You should now see the main RACHEL installer screen. Select “System Update” and press enter to update your system



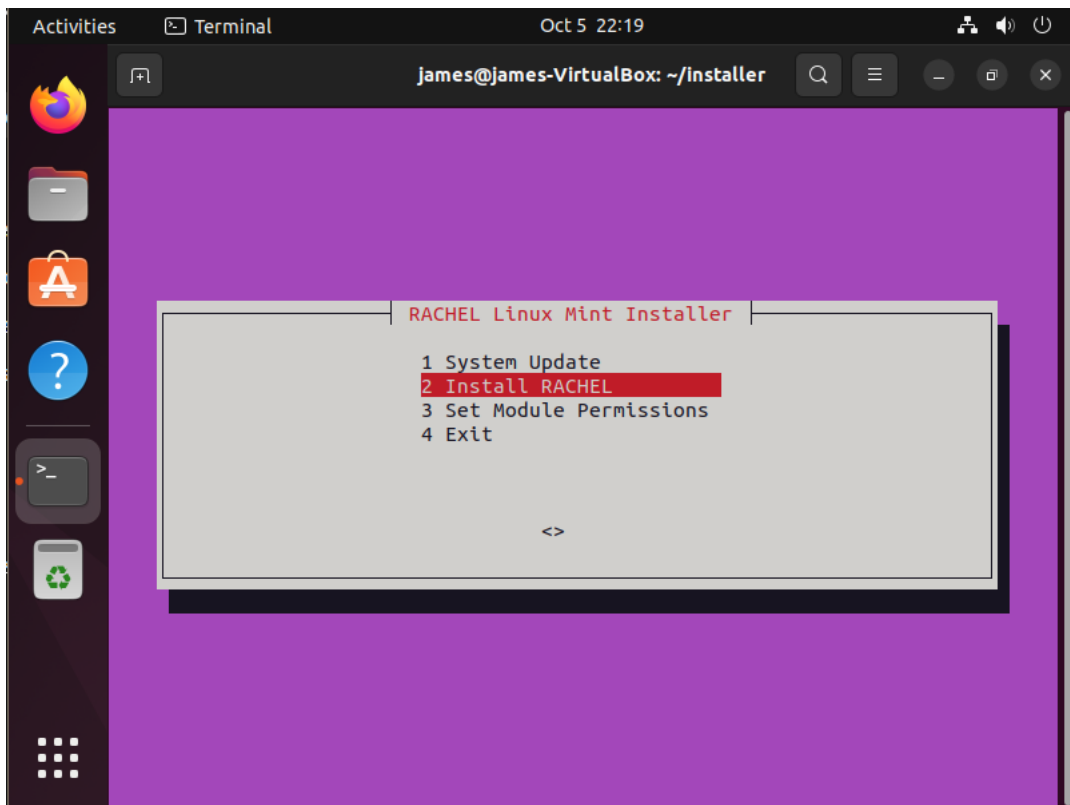
19. When the system has been updated, choose “Yes” to reboot



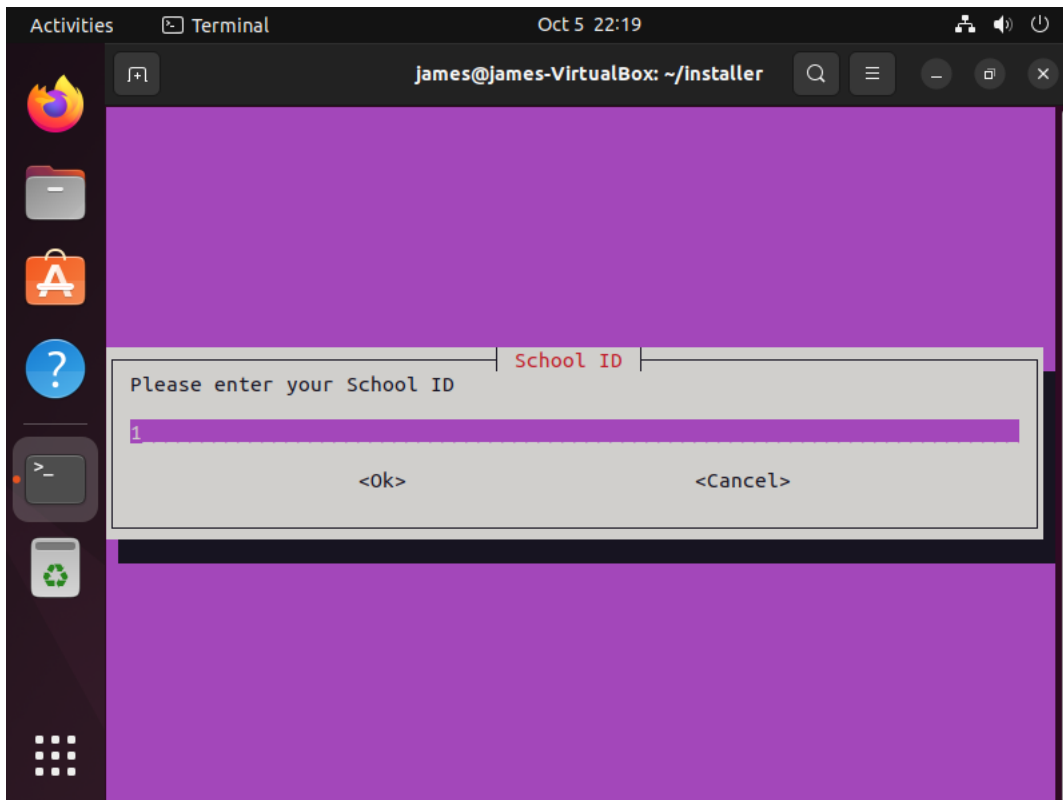
20. When the system has started again, repeat the same steps as before to open the installer.

- Open terminal
- `cd /home/username/installer`
- `sudo bash rachel`

21. Select “Install RACHEL” from the menu and press enter

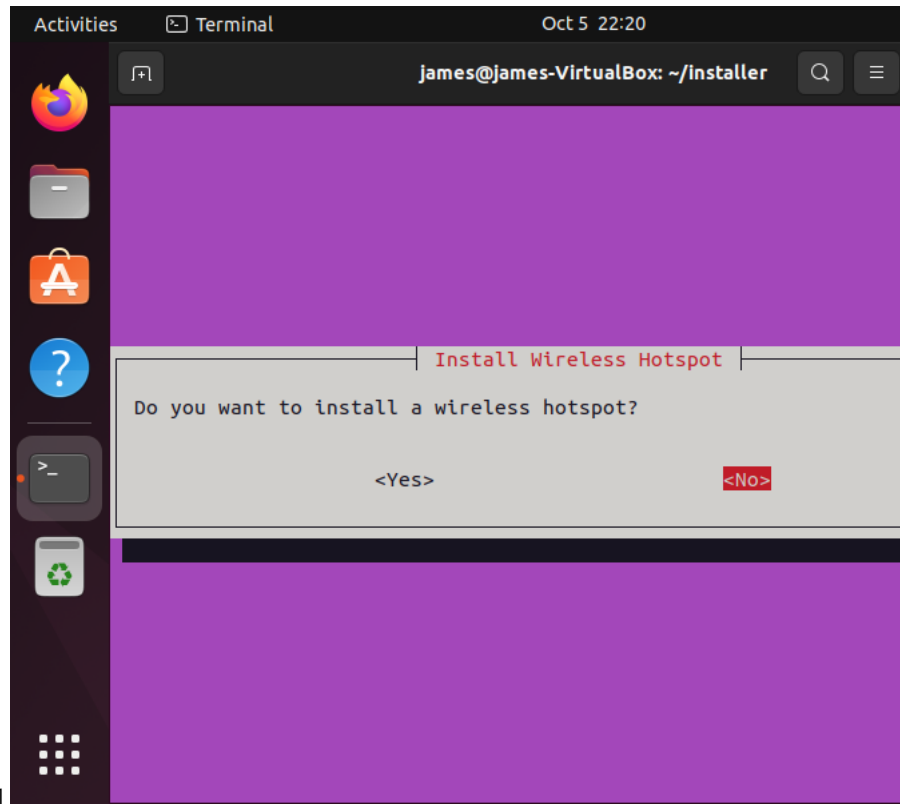


22. If asked for a school ID just press enter.

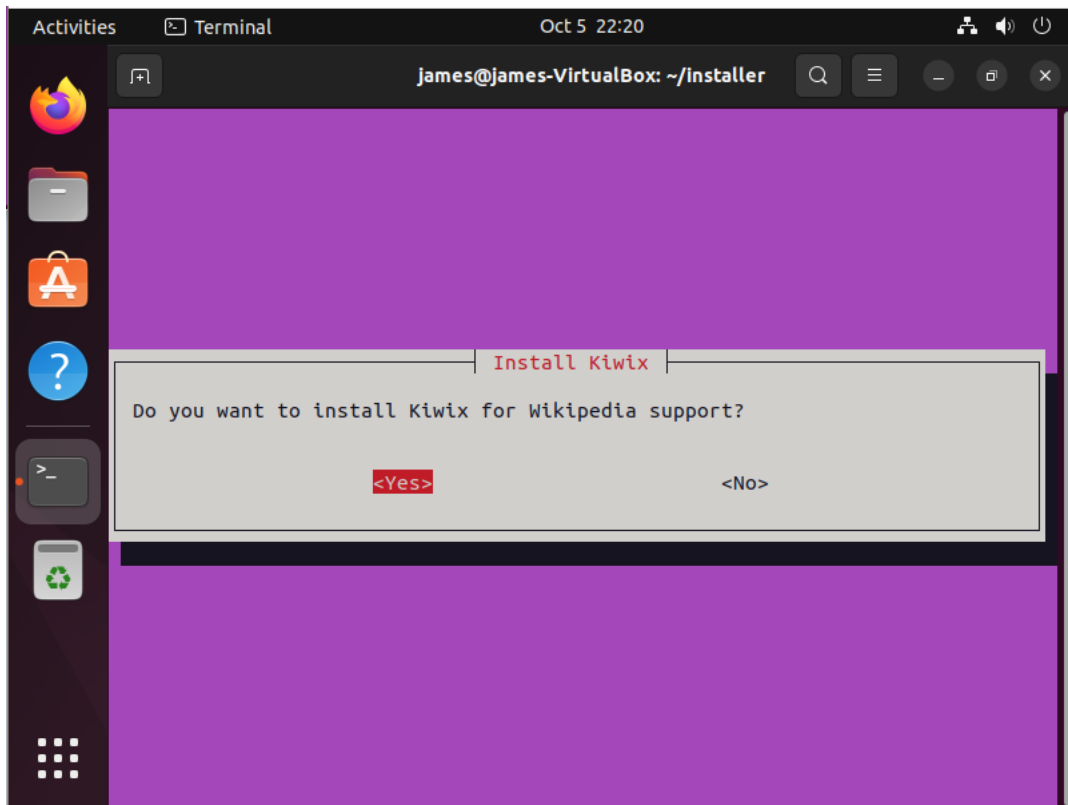


23. You will now be asked to install a wireless hotspot.

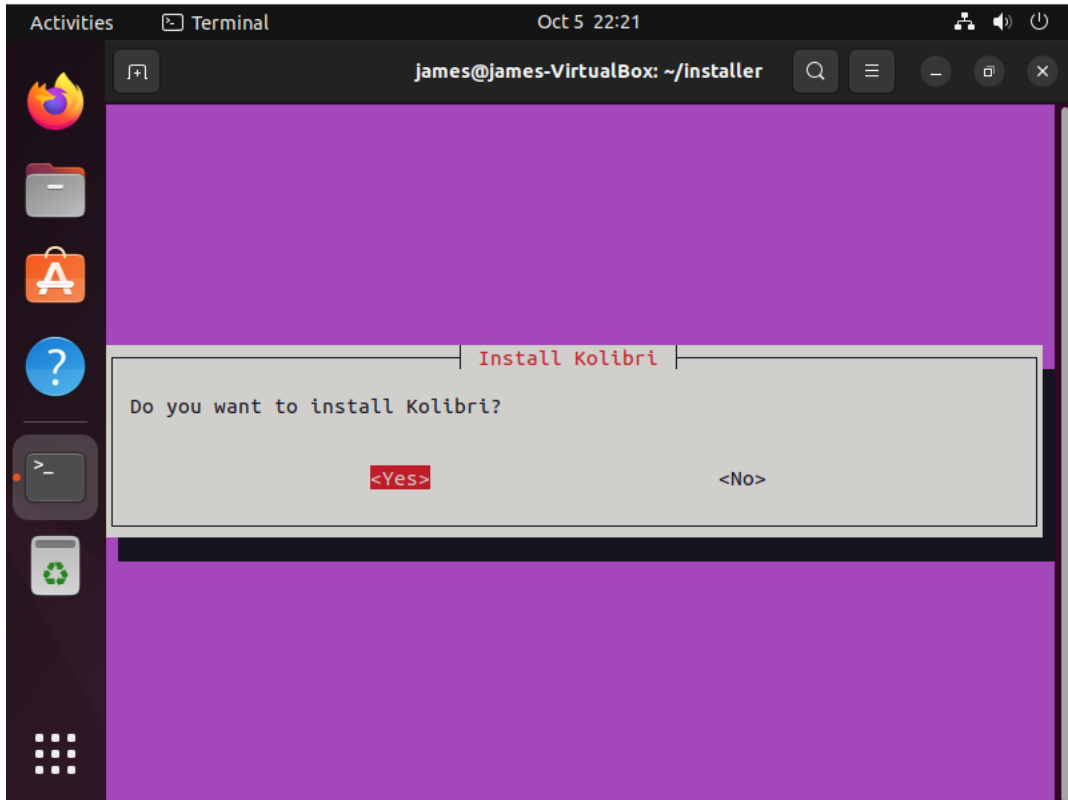
- If you are using a router with your desktop computer or device, select “No”.
- If your device has a WIFI chip that you want to use as a hotspot, select “yes”



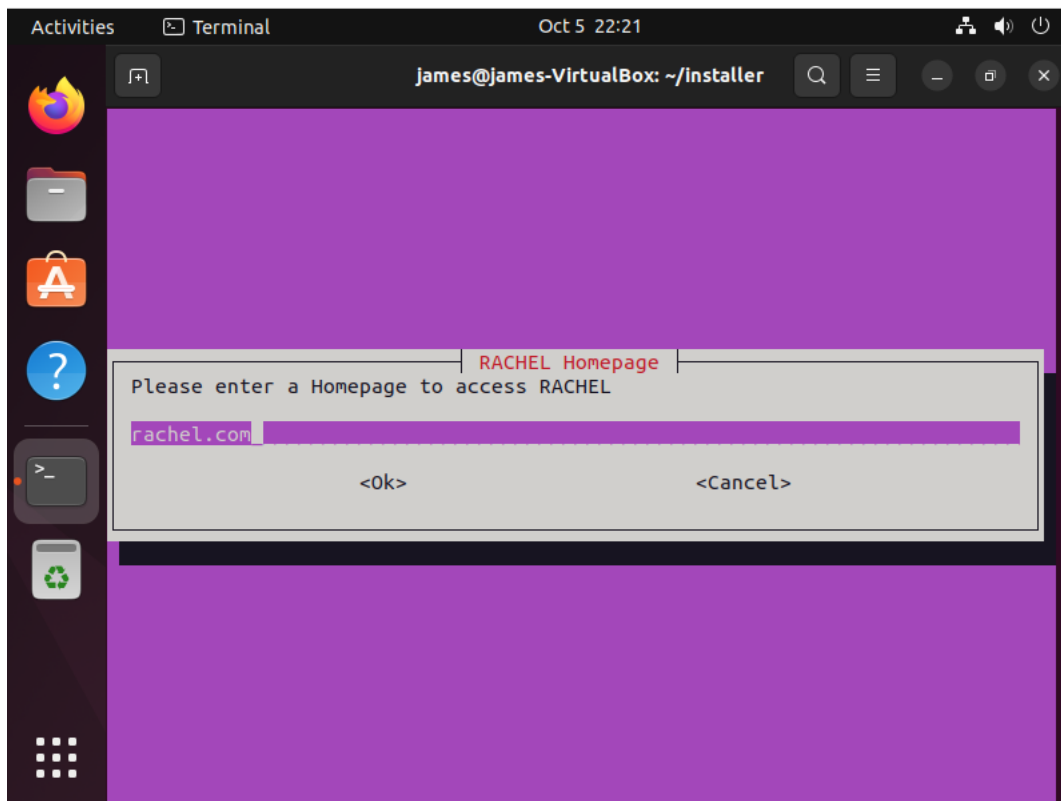
24. We will continue with “No” for this tutorial
25. Select “Yes” when asked to install Kiwix



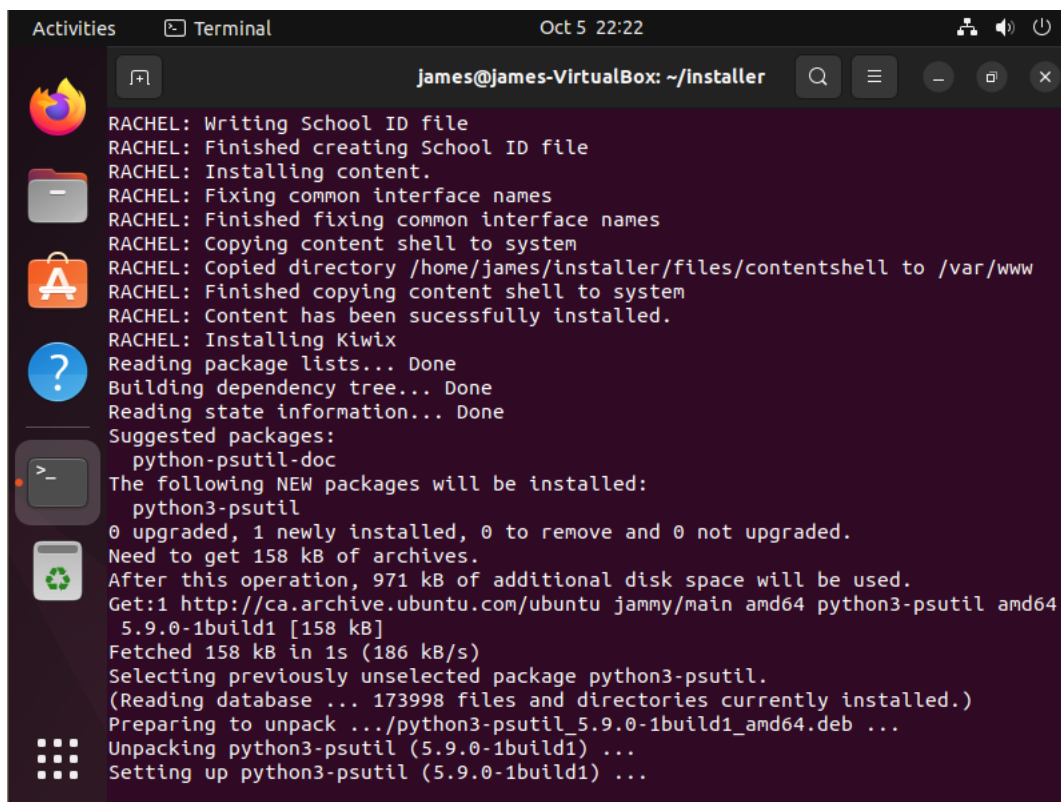
26. Select “Yes” when asked to install Kolibri



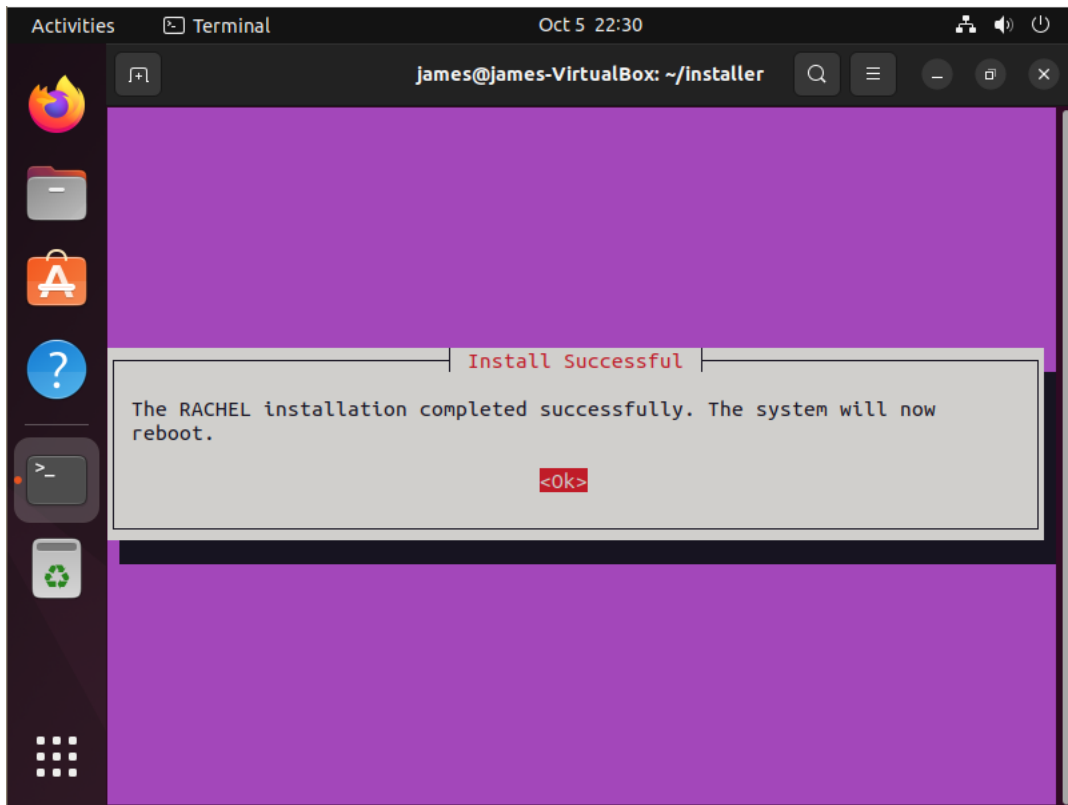
27. When asked to enter a RACHEL homepage press enter



28. You will now see the installation start

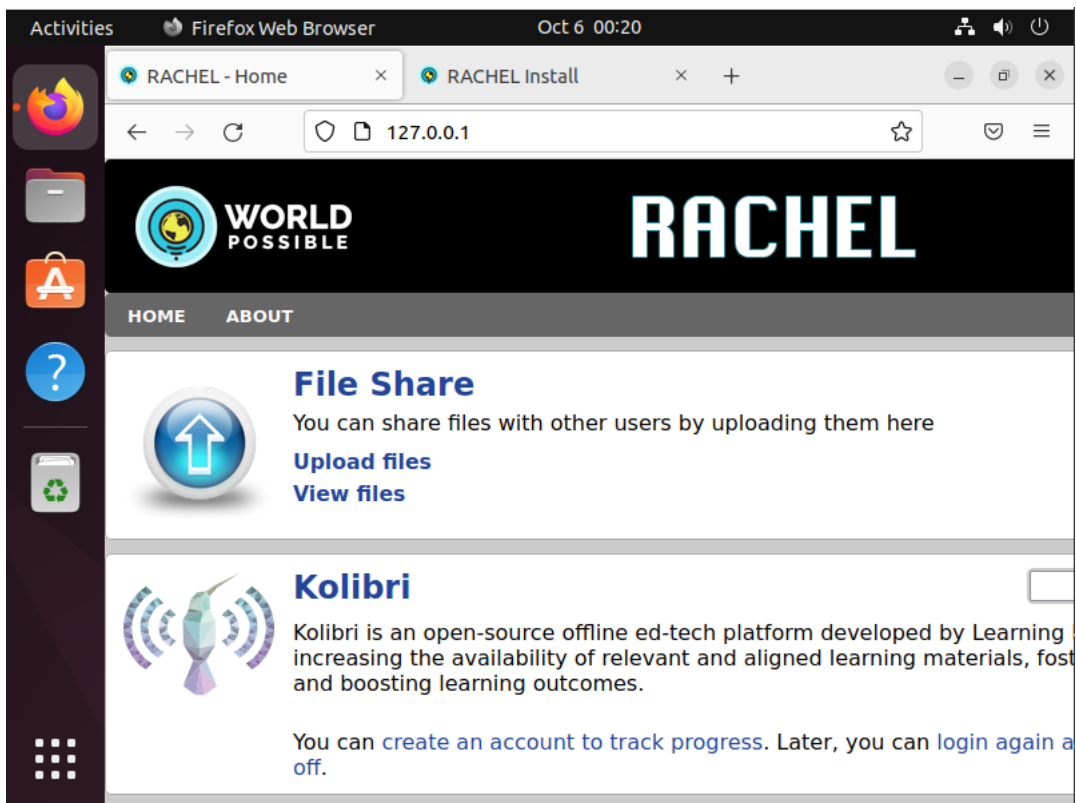


29. If there are no errors you will see a success message when it completes



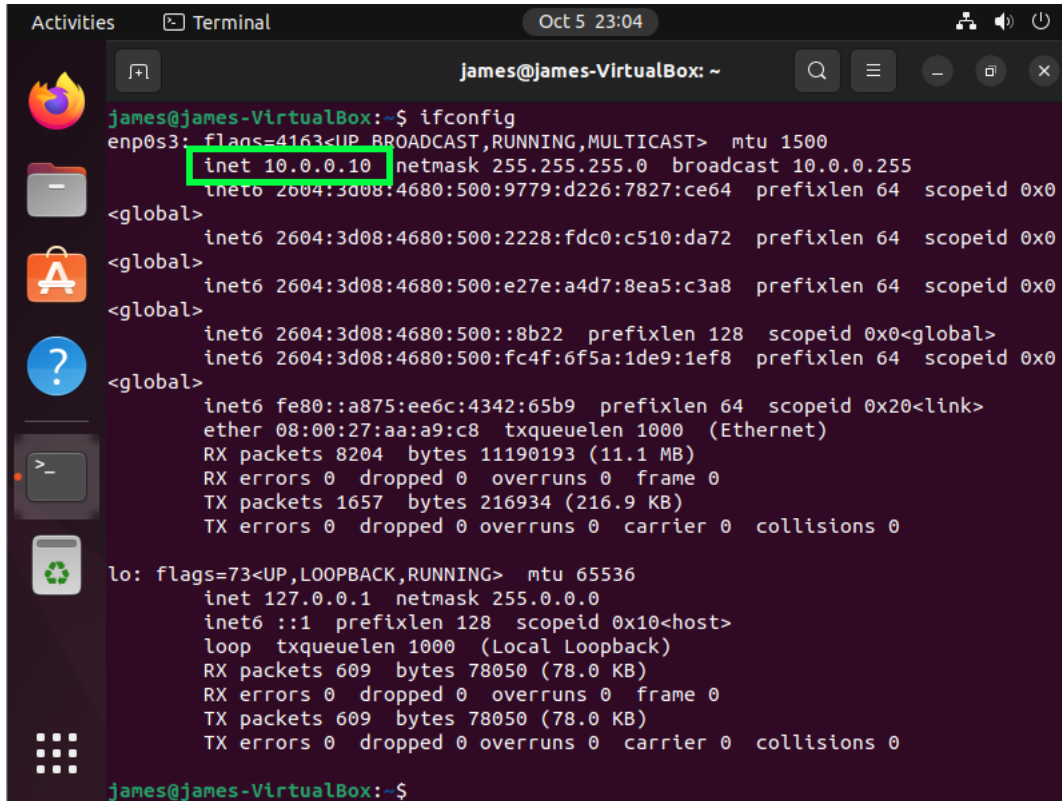
30. RACHEL is now installed. Press enter and the system will reboot to make the necessary changes

31. When the device reboots you can access RACHEL in a browser at <http://127.0.0.1> on the desktop itself



32. When your desktop is connected to a router, other devices will be able to connect to it using its IP address. You can find this IP address from your router's interface, or following these steps

- Open a terminal window
- Type the command “ifconfig” and press enter
- You should see your IP address here

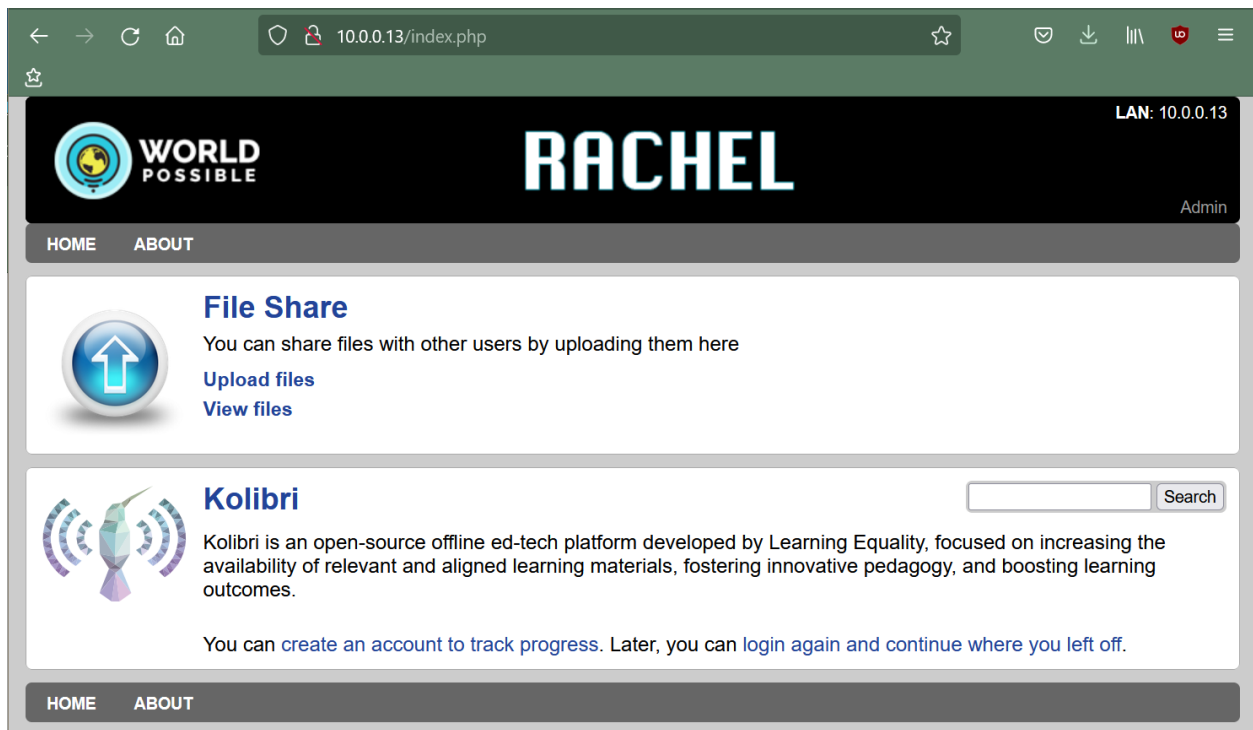


```
James@James-VirtualBox: ~
james@james-VirtualBox:~$ ifconfig
enp0s3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 10.0.0.10 netmask 255.255.255.0 broadcast 10.0.0.255
    inet6 2604:3d08:4680:500:9779:d226:7827:ce64 prefixlen 64 scopeid 0x0
    <global>
    inet6 2604:3d08:4680:500:2228:fdc0:c510:da72 prefixlen 64 scopeid 0x0
    <global>
    inet6 2604:3d08:4680:500:e27e:a4d7:8ea5:c3a8 prefixlen 64 scopeid 0x0
    <global>
    inet6 2604:3d08:4680:500::8b22 prefixlen 128 scopeid 0x0<global>
    inet6 2604:3d08:4680:500:fc4f:6f5a:1de9:1ef8 prefixlen 64 scopeid 0x0
    <global>
    inet6 fe80::a875:ee6c:4342:65b9 prefixlen 64 scopeid 0x20<link>
    ether 08:00:27:aa:a9:c8 txqueuelen 1000 (Ethernet)
    RX packets 8204 bytes 11190193 (11.1 MB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 1657 bytes 216934 (216.9 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0x10<host>
    loop txqueuelen 1000 (Local Loopback)
    RX packets 609 bytes 78050 (78.0 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 609 bytes 78050 (78.0 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

james@james-VirtualBox:~$
```

33. With the IP address, use another computer connected to the router to access the device. For example, if my IP is 10.0.0.13 users can navigate to <http://10.0.0.13>.



You should now be ready to use RACHEL!