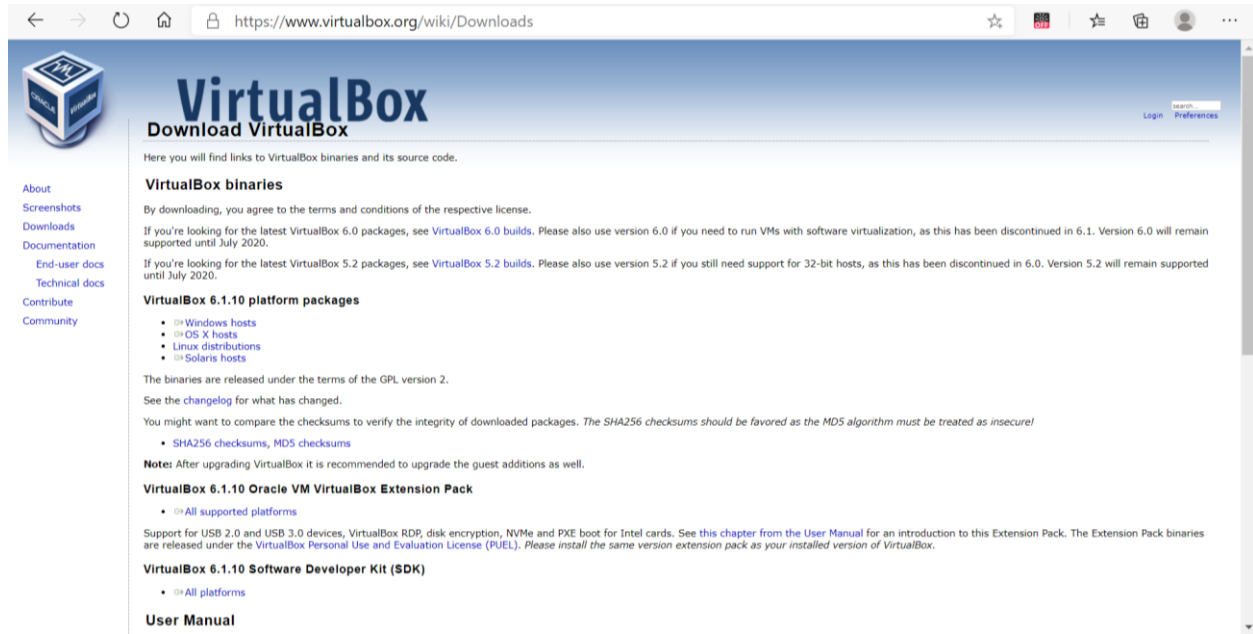


# Ubuntu and ROS Installation Steps

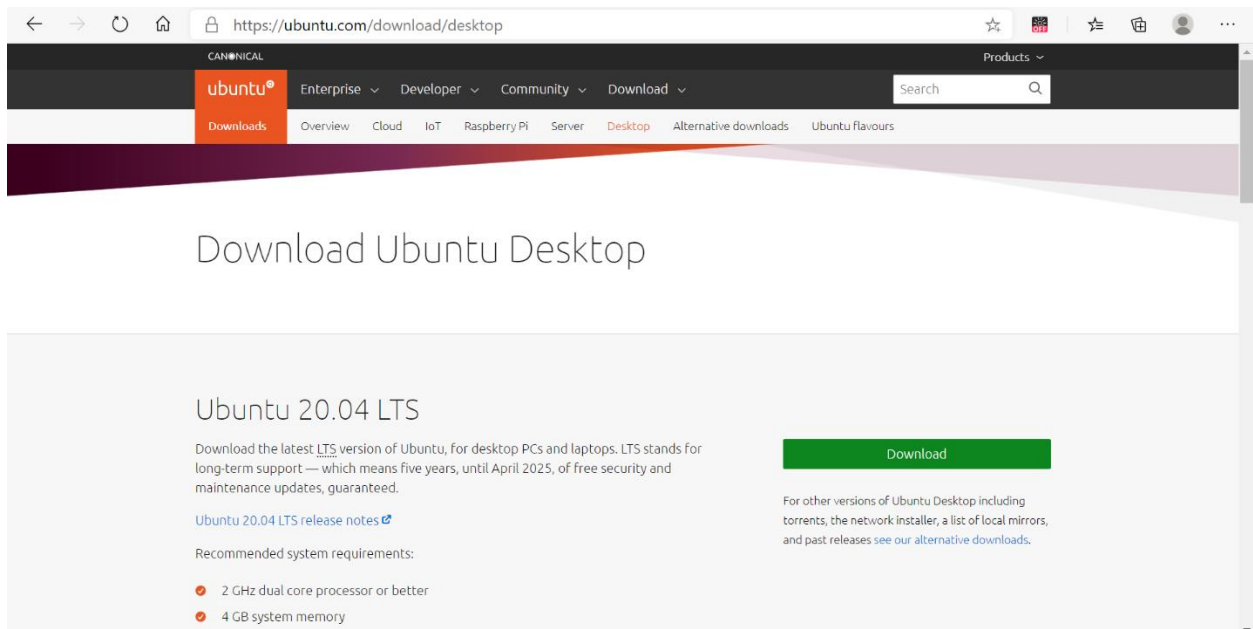
## Step 1: Installing VirtualBox

Open the page shown below and install the version suitable for your machine. i.e. Windows, mac, etc.



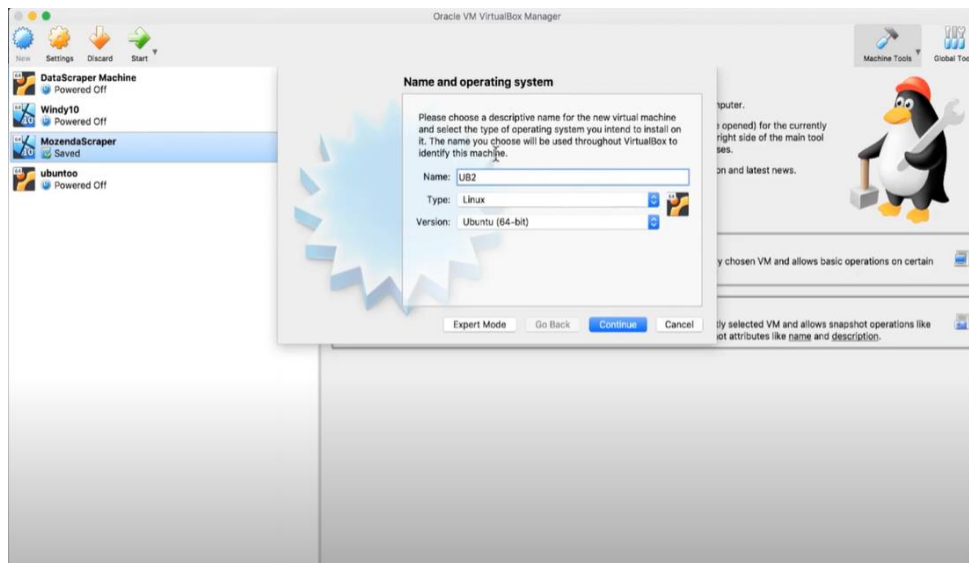
## Step 2: Install Ubuntu

The download process is straightforward.



### Step 3: Setting the Virtual Machine

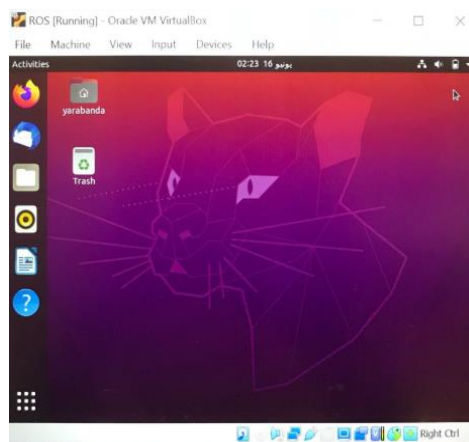
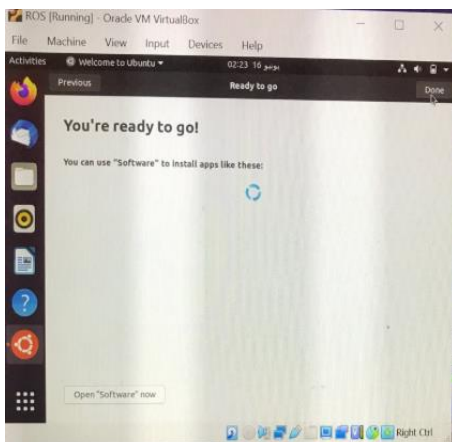
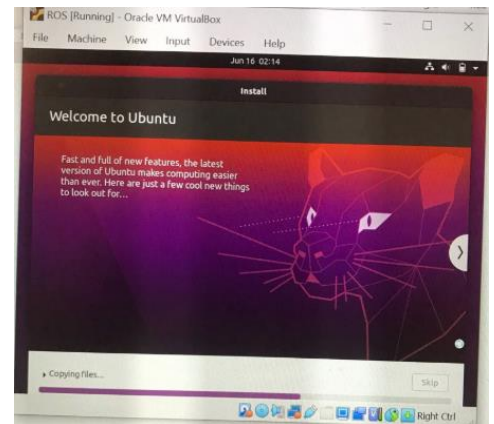
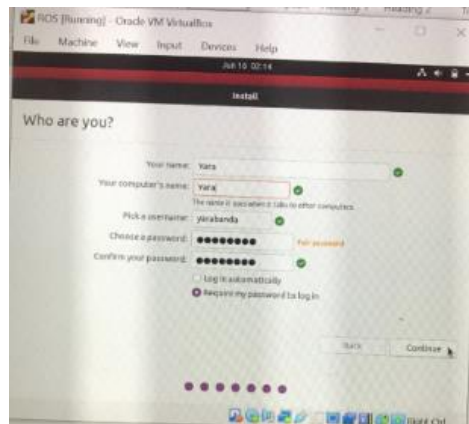
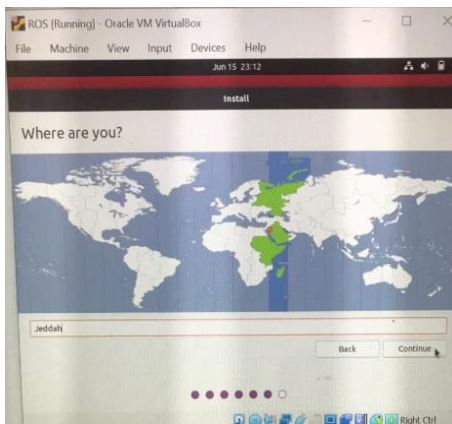
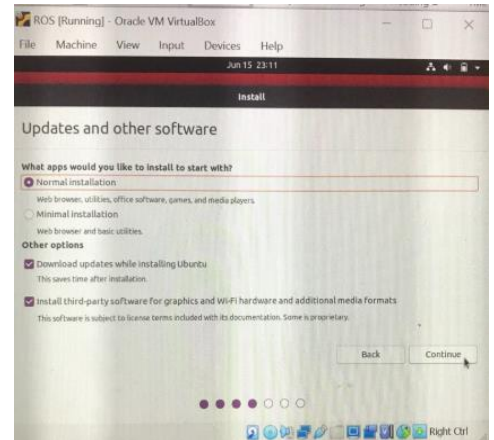
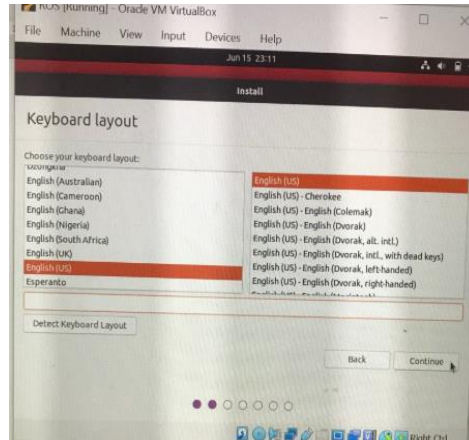
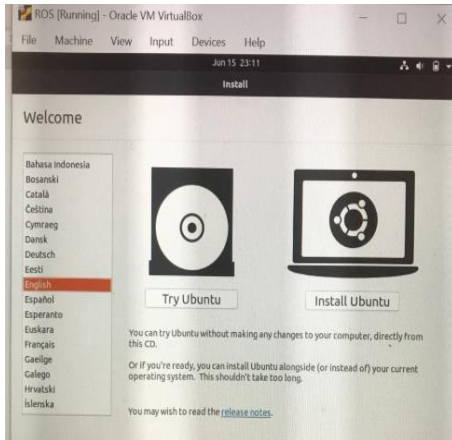
- Open VirtualBox
- Click on new, a “Name and Operating System” prompt window will appear.
- In the prompt window, choose a name for your VM. Select type “Linux” and version Ubuntu 64-bit or 32-bit.



- Press continue and follow the other prompts that will appear with the recommended settings or change them if you desire.
- Now, to power your virtual machine do the following:
  - Double click on the created VM to the left of the screen, and select the virtual optical disk (.iso file) for Ubuntu (this file should be available when you downloaded Ubuntu). After you're done, press start.



- The Ubuntu installation process will start, follow the steps below.



#### Step 4: Installing ROS

Open the ROS installation wiki and follow the steps mentions in the website.

Note: you have to choose the ROS version compatible with your Ubuntu version.

For Ubuntu 20.04, download ROS Noetic

<http://wiki.ros.org/noetic/Installation>