

IBRAHIM ALMULHIM

First Task robotics and programming

How to download **linux-upuntu-ROS**



First program :

Download **virtualbox**

And click icons **new**

Show you settings for your system went download

Name

Type system

Where you want to download in anyfile?

So after that you can be choose how megabites you need

Second program :

Download **ubuntu 20.04**

After your download going to virtual box and add file ubuntu 20.04 in storage – attributes -optical drive – click on **icon cd** and add file ubuntu

After that going to start and complete your information in system after that successfully setup ubuntu

3th program ROS :

Download ROS system this is very easy

Going to terminal alt+ctrl+t show you black screen

First write this code

```
Sudo apt update
```

After write this code show you request your account password

after that step write this code

```
wget -c
```

```
https://raw.githubusercontent.com/qboticslabs/ros\_install\_noetic/master/ros\_install\_noetic.sh &&
```

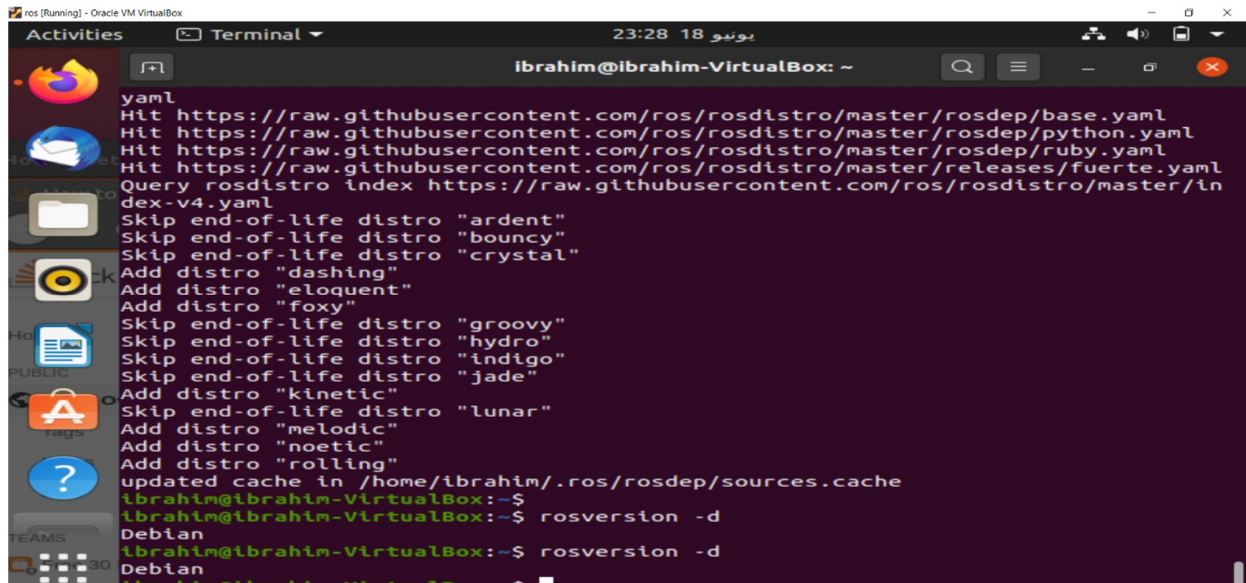
```
chmod +x ./ros_install_noetic.sh &&
```

```
./ros_install_noetic.sh
```

after

```
rosversion -d
```

show you this and meaning is complete download ROS

A screenshot of a terminal window titled 'ibrahim@ibrahim-VirtualBox: ~'. The terminal shows the output of the 'rosdep init' command. It lists several distros that are added or skipped, including 'ardent', 'bouncy', 'crystal', 'dashing', 'eloquent', 'foxy', 'groovy', 'hydro', 'indigo', 'jade', 'kinetic', 'lunar', 'melodic', 'noetic', and 'rolling'. The terminal also shows the command 'rosdep update' being executed, which updates the cache in '/home/ibrahim/.ros/rosdep/sources.cache'. The terminal window is part of an Oracle VM VirtualBox environment, with the host name 'ibrahim@ibrahim-VirtualBox' and the user 'ibrahim' visible. The terminal output is as follows:

```
yaml
Hit https://raw.githubusercontent.com/ros/rosdistro/master/rosdep/base.yaml
Hit https://raw.githubusercontent.com/ros/rosdistro/master/rosdep/python.yaml
Hit https://raw.githubusercontent.com/ros/rosdistro/master/rosdep/ruby.yaml
Hit https://raw.githubusercontent.com/ros/rosdistro/master/releases/fuerte.yaml
Query rosdistro index https://raw.githubusercontent.com/ros/rosdistro/master/index-v4.yaml
Skip end-of-life distro "ardent"
Skip end-of-life distro "bouncy"
Skip end-of-life distro "crystal"
Add distro "dashing"
Add distro "eloquent"
Add distro "foxy"
Skip end-of-life distro "groovy"
Skip end-of-life distro "hydro"
Skip end-of-life distro "indigo"
Skip end-of-life distro "jade"
Add distro "kinetic"
Skip end-of-life distro "lunar"
Add distro "melodic"
Add distro "noetic"
Add distro "rolling"
updated cache in /home/ibrahim/.ros/rosdep/sources.cache
ibrahim@ibrahim-VirtualBox:~$
ibrahim@ibrahim-VirtualBox:~$ rosversion -d
Debian
ibrahim@ibrahim-VirtualBox:~$ rosversion -d
Debian
ibrahim@ibrahim-VirtualBox:~$
```

So after that cograts download is done !

My refernces

<http://wiki.ros.org/Distributions>