Install ROS and Setup Your Environment

Installing ROS

Step -1

$ sudo apt update

http://wiki.ros.org/noetic/Installation/Ubuntu

Step-2 Setup your source.list

sudo sh -c 'echo "deb http://packages.ros.org/ros/ubuntu $(lsb_release -sc) main" > /etc/apt/sources.list.d/ros-latest.list'

Step-3 Set up your keys

•curl -s https://raw.githubusercontent.com/ros/rosdistro/master/ros.asc | sudo apt-key add -

Step-4 Installation

$ sudo apt update

Desktop-Full Install: (Recommended)

sudo apt install ros-noetic-desktop-full

Environment Setup

Step -1

$ source /opt/ros/noetic/setup.bash

Step-2 Adding into bashrc

echo "source /opt/ros/noetic/setup.bash" >> ~/.bashrc

Step-3 Check in bashrc

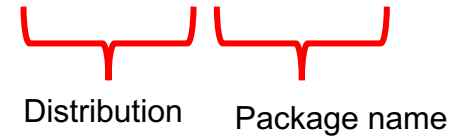gedit ~/.bashrc

Step-4 You will see

Source /opt/ros/noetic/setup.bash

Bonus: To install any packages

sudo apt install ros-noetic-

Distribution   Package name

Launch ROS master

Terminal

$ roscore

Uninstall

completely remove ros melodic   shell by Merwanski   on Oct 12 2021 Donate Comment

```
 1 # If you're running Ubuntu, and installed ROS with apt-get,
 2 # the first step would be
 3
 4 sudo apt-get remove ros-*
 5
 6 # Use
 7 sudo apt-get purge ros-*
 8
 9 # It will also remove configuration files. And then
10 # To remove dependencies
11 sudo apt-get autoremove
12
13
```

Reference

- http://wiki.ros.org/noetic/Installation

- http://wiki.ros.org/noetic/Installation/Ubuntu

Debug for Virtual Machine

First

$ sudo apt update

$ sudo apt-get install build-essential gcc make perl dkms