

Installing ROS Melodic in Ubuntu Linux 18

ME 4140 - Introduction to Robotics - Fall 2020

Now your Ubuntu Operating System is running you are ready to install ROS. You can read more about this installation [here](#).

1. Setup your sources.list to accept software from packages.ros.org.

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

2. Set up your keys.

```
sudo apt-key adv keyserver hkp://keyserver.ubuntu.com:80  
recvkey C1CF6E31E6BADE8868B172B4F42ED6FBAB17C654
```

3. Update your Linux system.

```
sudo apt update
```

4. Install ROS Melodic Desktop-Full

```
sudo apt install rosmelodicdesktopfull
```

5. Initialize rosdep (2 separate commands)

```
sudo rosdep init
```

```
rosdep update
```

6. Environment Setup (2 separate commands)

```
echo source /opt/ros/melodic/setup.bash > ~/.bashrc
```

```
source ~/.bashrc
```

7. Install Development Tools

```
sudo apt install pythonrosinstall pythonrosinstallgenerator  
pythonwstool buildessential
```

8. Close the terminal. Open a new terminal and try the following command:

```
roscoree
```

9. If you see ROS start in the terminal your ROS installation was successful!