

CÀI ĐẶT ROS NOETIC TRÊN PC

1. Mở Teminal PC thực hiện các dòng lệnh sau

- `sudo sh -c 'echo "deb http://packages.ros.org/ros/ubuntu $(lsb_release -sc) main" > /etc/apt/sources.list.d/ros-latest.list'`
- `sudo apt install curl # if you haven't already installed curl`
- `curl -s https://raw.githubusercontent.com/ros/rosdistro/master/ros.asc | sudo apt-key add -`
- `sudo apt update`
- `sudo apt install ros-noetic-desktop-full`
- `apt search ros-noetic`
- `echo "source /opt/ros/noetic/setup.bash" >> ~/.bashrc`
- `source ~/.bashrc`
- `source /opt/ros/noetic/setup.bash`
- `sudo apt install python3-rosdep python3-rosinstall python3-rosinstall-generator python3-wstool build-essential`
- `sudo apt install python3-rosdep`
- `sudo rosdep init`
- `rosdep update`
- `sudo apt-get install -y python3-catkin-tools`
- `sudo sh -c 'echo "deb http://packages.ros.org/ros/ubuntu $(lsb_release -sc) main" > /etc/apt/sources.list.d/ros-latest.list'`
- `sudo apt-key adv --keyserver hkp://ha.pool.sks-keyservers.net:80 --recv-key 421C365BD9FF1F717815A3895523BAEEB01FA116`
- `sudo apt-get -y update`
- `sudo apt-get -y upgrade`
- `roscore`

Link: <http://wiki.ros.org/Installation/Ubuntu>

[Installing ROS 1 Noetic on Ubuntu - Foxglove](#)

CÀI ĐẶT ROS NOETIC TRÊN RASPBERRY

1. SSH vào Raspberry
2. Mở Terminal Raspberry thực hiện các dòng lệnh sau
3. Mở Terminal Raspberry thực hiện các dòng lệnh sau

- `sudo sh -c 'echo "deb http://packages.ros.org/ros/ubuntu $(lsb_release -sc) main" > /etc/apt/sources.list.d/ros-latest.list'`
- `sudo apt install curl # if you haven't already installed curl`
- `curl -s https://raw.githubusercontent.com/ros/rosdistro/master/ros.asc | sudo apt-key add -`
- `sudo apt update`
- `sudo apt install ros-noetic-ros-base`
- `apt search ros-noetic`
- `echo "source /opt/ros/noetic/setup.bash" >> ~/.bashrc`
- `source ~/.bashrc`
- `source /opt/ros/noetic/setup.bash`
- `sudo apt install python3-rosdep python3-rosinstall python3-rosinstall-generator python3-wstool build-essential`
- `sudo apt install python3-rosdep`
- `sudo rosdep init`
- `rosdep update`
- `sudo apt-get install -y python3-catkin-tools`
- `sudo sh -c 'echo "deb http://packages.ros.org/ros/ubuntu $(lsb_release -sc) main" > /etc/apt/sources.list.d/ros-latest.list'`
- `sudo apt-key adv --keyserver 'hkp://keyserver.ubuntu.com:80' --recv-key C1CF6E31E6BADE8868B172B4F42ED6FBAB17C654`
- `sudo apt-get -y update`
- `sudo apt-get -y upgrade`
- `roscore`

Link Youtube: <https://www.youtube.com/watch?v=IU7Jf9Z6WEE&t=9s>