

Installations Ros

Installations Ros in PC

- Step 1: Download "virtual box" from :<https://www.virtualbox.org/wiki/Downloads>
- Step 2: Download "Ubuntu" from :<https://ubuntu.com/download/desktop>
- Step 3: open "virtual box" >> "New" >> do the setting >> start >> select the folder have the "Ununtu"
- Step 4: Install Ubuntu >> continue the install >> select your location >> write your username and password
- Step 5: open "terminal" >> copy the instructions in the ROS wiki: <https://wiki.ros.org/melodic/Installation/Ubuntu> >> paste in "terminal"

Installations Ros in Jetson nano

- Step 1: open "terminal"
- Step 2: write "git clone <https://github.com/JetsonHacksNano/installROS.git>"
- Step 3: \$ cd installROS
- Step 4: \$./installROS -h
- Step 5: we can add other ROS packages: -base -desktop -desktop - full
- Step 6: \$./installROS.sh -p ros-melodic-desktop >> write the password >> waiting for installation ROS complete
- Step 7: setup catkin workspace
- Step 8: ./setupcatkinworkspace.sh
- Step 9: \$ befit ~/.bashrc >> A new window will open, go to the bottom and make the settings suitable with your workspacification
- Step 10: \$ source ~/.bashrc
- Step 11: \$ roscor
- Step 12: in another window for "terminal" >> \$ rostopic list