# Installing 'ros' in  Jetson Nano

Installation

The following installation steps were tested on a Jetson TX2 and Jetson Nano, but should apply to any Jetson Platform (Xavier, Xavier NX) or Desktop Computers with Ubuntu.

**Configure packages sources**

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 update

**Install ROS from packages**

You can choose from one of the following options:

1.**Desktop-Full Install (Recommended):** ROS, rqt, rviz, robot-generic libraries, 2D/3D simulators and 2D/3D perception

sudo apt install ros-melodic-desktop-full

2.**Desktop Install:** ROS, rqt, rviz, and robot-generic libraries

sudo apt install ros-melodic-desktop

3.**ROS-Base: (Bare Bones):** ROS package, build, and communication libraries. No GUI tools.

sudo apt install ros-melodic-ros-base

To find available packages, use:

apt search ros-melodic