

Steps of downloaded jest nano

This file will represent the steps to install Robot Operating System (ROS) into Jetson nano.

Install ROS on jetson nano

- 1- Open a new terminal
- 2- Set up the Jetson Nano to accept software from packages.ros.org : `$ sudo sh -c 'echo "deb http://packages.ros.org/ros/ubuntu $(lsb_release -sc) main" > /etc/apt/sources.list.d/ros-latest.list'`
- 3- Add a new apt key: `$ sudo apt-key adv --keyserver 'hkp://keyserver.ubuntu.com:80' --recv-key C1CF6E31E6BADE8868B172B4F42ED6FBAB17C654`
- 4- Update the Debian packages index: `$ sudo apt update`
- 5- Install the ROS Desktop package : `$ sudo apt install ros-melodic-desktop`
- 6- load the ROS environment variables automatically when you execute a new shell session `$ echo "source /opt/ros/melodic/setup.bash" >> ~/.bashrc` `$ source ~/.bashrc`
- 7- Install and initialize rosdep : `$ sudo apt install python-rosdep python-rosinstall python-rosinstall-generator python-wstool build-essential` `$ sudo rosdep init` `$ rosdep update` Now the Jetson Nano is ready to execute ROS packages

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Thank you