1. Install ROS melodic
2. Install Azure kinect sdk

<https://github.com/microsoft/Azure-Kinect-Sensor-SDK>

ARM64 for Nivida jetson nano

curl <https://packages.microsoft.com/keys/microsoft.asc> | sudo apt-key add -

Insert password: of your nano

sudo apt-add-repository [https://packages.microsoft.com/ubuntu/18.04/multiarch/prod](https://packages.microsoft.com/ubuntu/18.04/prod)

sudo apt-get update

sudo apt-get install k4a-tools

sudo apt search k4a

check what file is missing not installed my case -dev file was not installed

sudo apt-get install libk4a1.4-dev

cd /etc/udev/rules.d/

sudo nano 99-k4a.rules

1. go to page with rules -- <https://github.com/microsoft/Azure-Kinect-Sensor-SDK/blob/develop/scripts/99-k4a.rules>

copy and paste all

1. run k4aviewer to check sdk installation

k4aviewer

1. Go to ROS driver website -- <https://github.com/microsoft/Azure_Kinect_ROS_Driver>

cd catkin\_ws/src

git clone https://github.com/microsoft/Azure\_Kinect\_ROS\_Driver.git

cd ../

catkin\_make --force-cmake

1. For jetson nano users this will not work due to opencv and cv\_bridge issue. This is because the Jetpack installs opencv4 and does not create a opencv folder in the usr repository. Follow the below instructions the issue is described in this git --<https://github.com/ros-perception/vision_opencv/issues/329>
2. Install opencv from source 3.x --<https://ultrakid.tistory.com/10>

sudo ln -s /usr/include/opencv4/ /usr/include/opencv

catkin\_make --force-cmake

1. Check if the driver works(plug in Azure kinect)

roslaunch azure\_kinect\_ros\_driver driver.launch

source devel/setup.bash