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TK-45-G09

rosdep update

sudo apt update

sudo apt dist-upgrade

sudo apt install ros-noetic-catkin python3-catkin-tools

sudo apt install python3-wstool

mkdir -p ~/ws\_moveit/src

cd ~/ws\_moveit/src

wstool init .

wstool merge -t . <https://raw.githubusercontent.com/moveit/moveit/master/moveit.rosinstall>

wstool remove moveit\_tutorials # this is cloned in the next section

wstool update -t .

cd ~/ws\_moveit/src

git clone [https://github.com/moveit/moveit\\_tutorials.git](https://github.com/moveit/moveit_tutorials.git) -b master

git clone [https://github.com/moveit/panda\\_moveit\\_config.git](https://github.com/moveit/panda_moveit_config.git) -b noetic-devel

cd ~/ws\_moveit/src

rosdep install -y --from-paths . --ignore-src --rosdistro noetic

sudo sh -c 'echo "deb <http://packages.ros.org/ros-testing/ubuntu> \$(lsb\_release -sc) main" >  
/etc/apt/sources.list.d/ros-latest.list'

sudo apt update

cd ~/ws\_moveit

catkin config --extend /opt/ros/\${ROS\_DISTRO} --cmake-args -DCMAKE\_BUILD\_TYPE=Release

catkin build

source ~/ws\_moveit/devel/setup.bash

echo 'source ~/ws\_moveit/devel/setup.bash' >> ~/.bashrc

roslaunch panda\_moveit\_config demo.launch rviz\_tutorial:=true