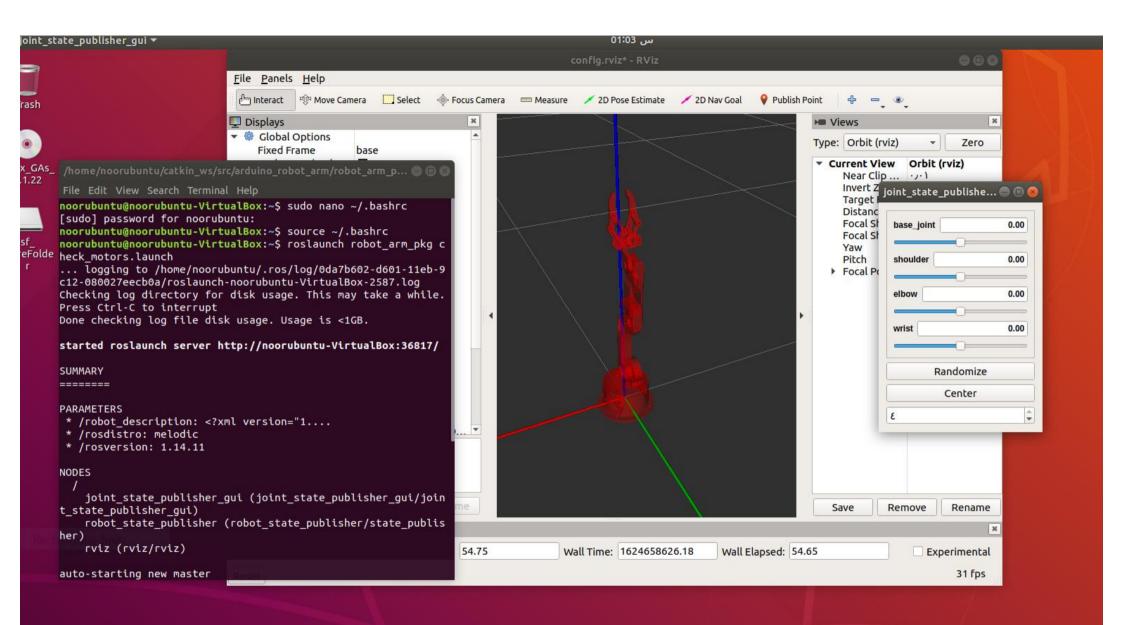
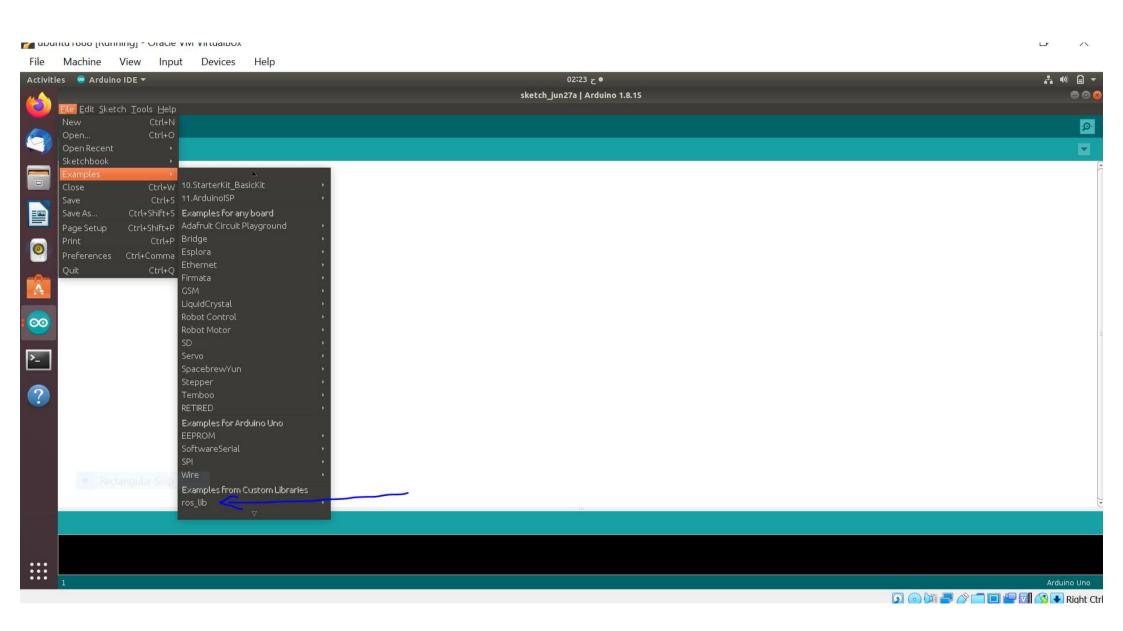
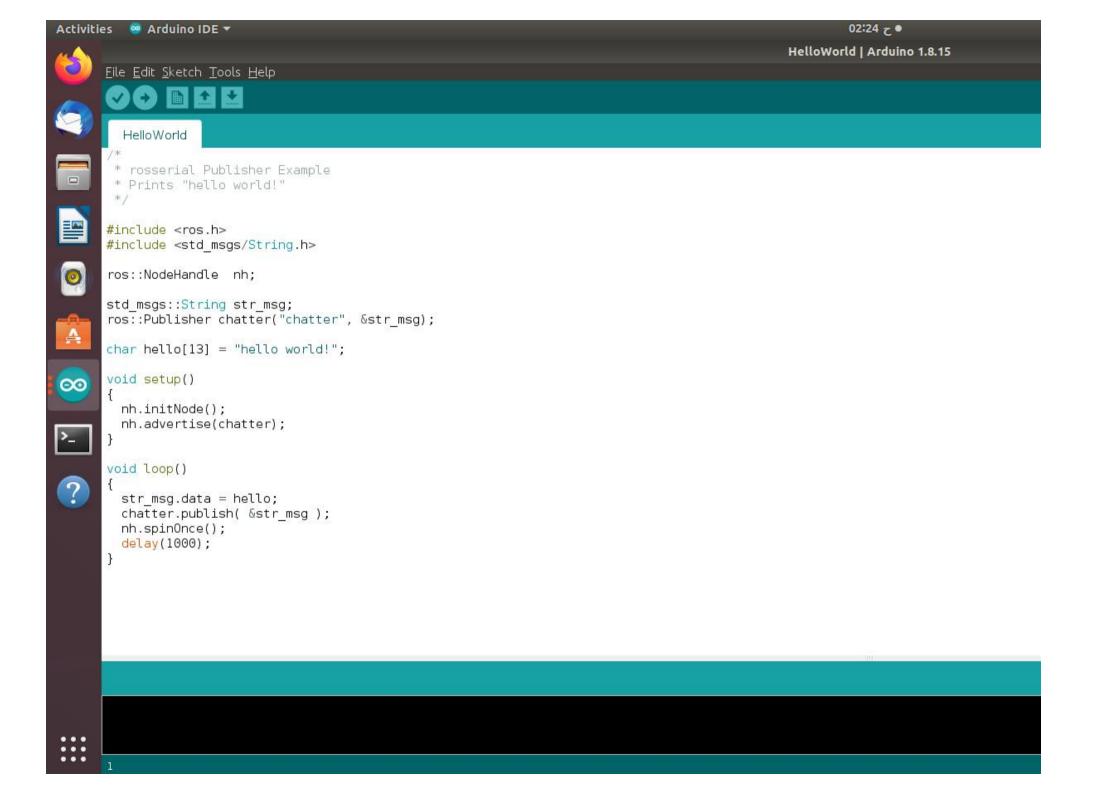
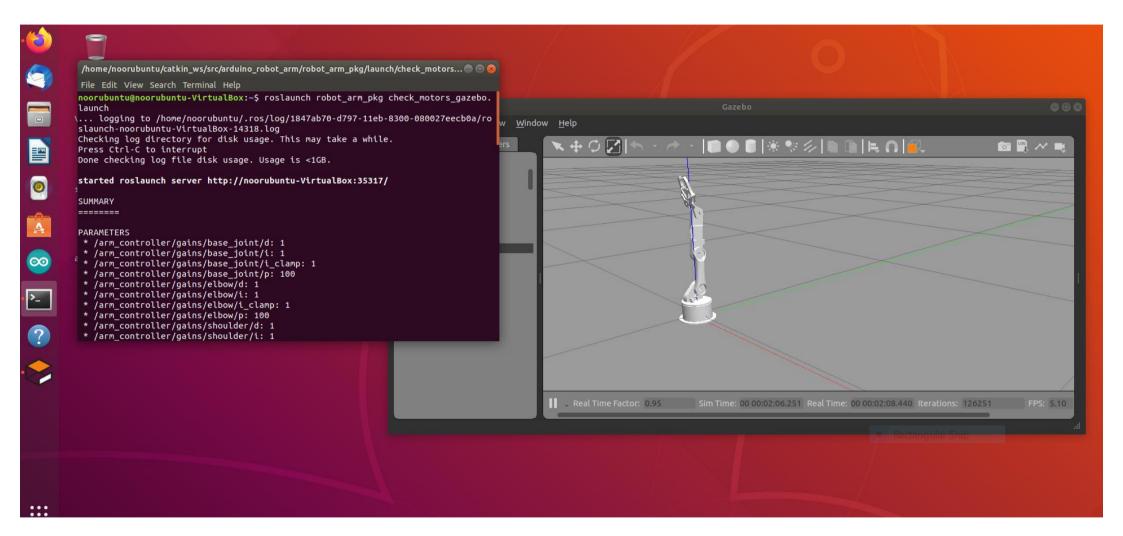
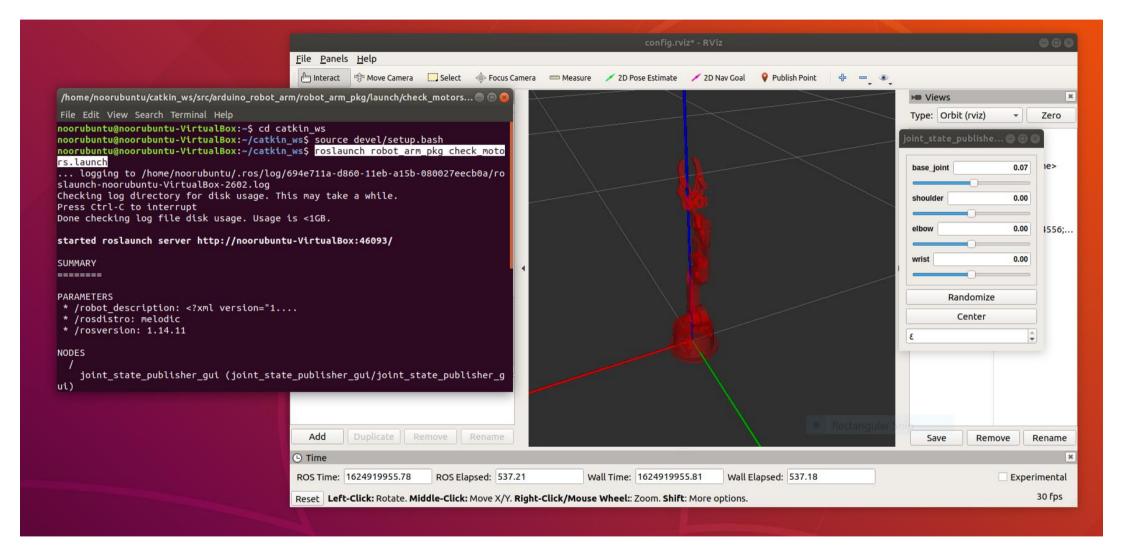
```
noorubuntu@noorubuntu-VirtualBox: ~/catkin ws
File Edit View Search Terminal Help
noorubuntu@noorubuntu-VirtualBox:~$ source /opt/ros/melodic/setup.bash
noorubuntu@noorubuntu-VirtualBox:~$ mkdir -p ~/catkin_ws/src
noorubuntu@noorubuntu-VirtualBox:~$ cd ~/catkin_ws/
noorubuntu@noorubuntu-VirtualBox:~/catkin_ws$ catkin_make
Base path: /home/noorubuntu/catkin_ws
Source space: /home/noorubuntu/catkin ws/src
Build space: /home/noorubuntu/catkin_ws/build
Devel space: /home/noorubuntu/catkin_ws/devel
Install space: /home/noorubuntu/catkin ws/install
#### Running command: "make cmake_check_build_system" in "/home/noorubuntu/catki
n_ws/build"
#### Running command: "make -j1 -l1" in "/home/noorubuntu/catkin_ws/build"
  0%] Built target _rosserial_arduino_generate_messages_check_deps_Adc
  0%] Built target _rosserial_arduino_generate_messages_check_deps_Test
  5%] Built target rosserial arduino generate messages eus
  9%] Built target rosserial arduino generate messages cpp
 12%] Built target rosserial_arduino_generate_messages_lisp
 20%] Built target rosserial arduino generate messages py
 24%] Built target rosserial arduino generate messages nodejs
 24%] Built target rosserial arduino generate messages
```

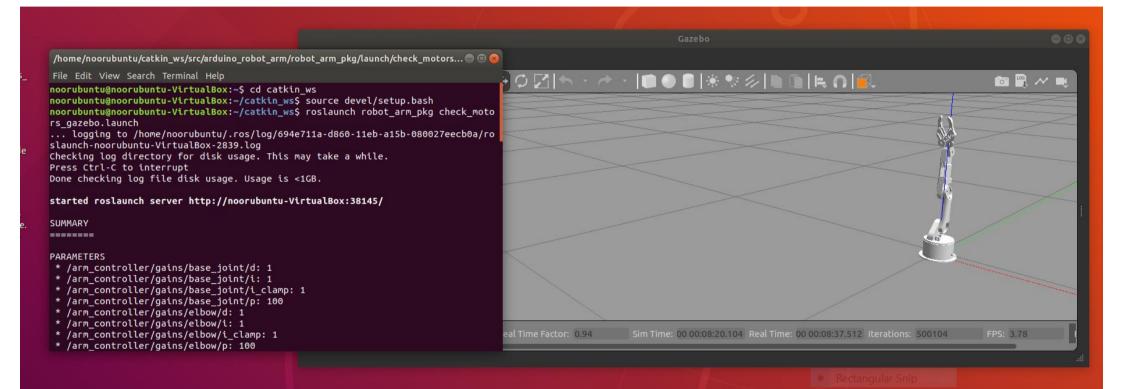




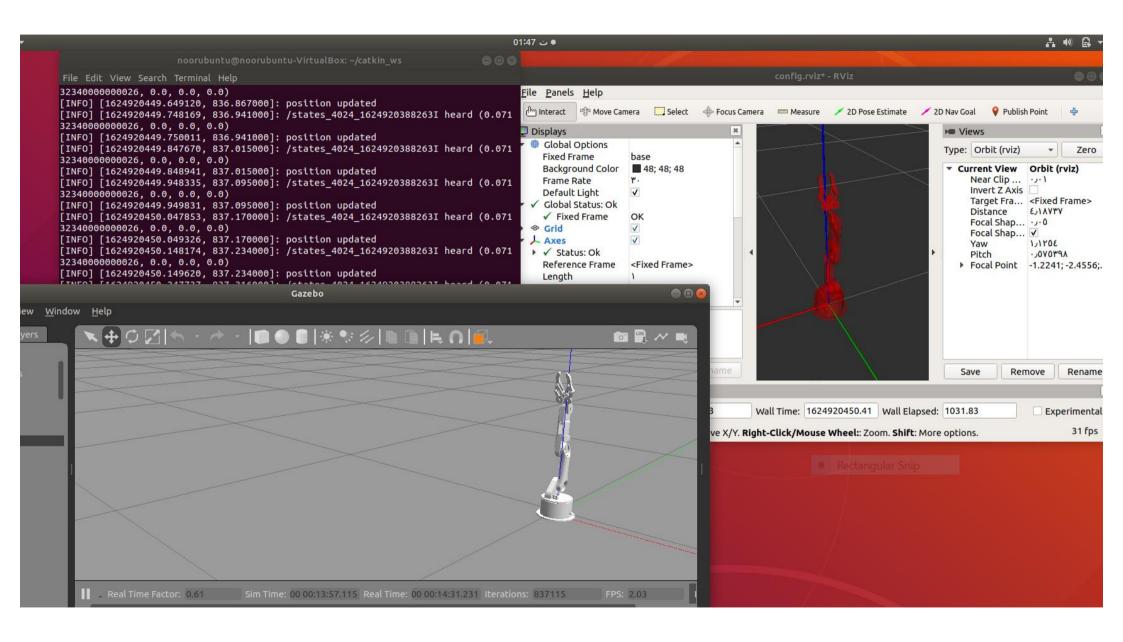


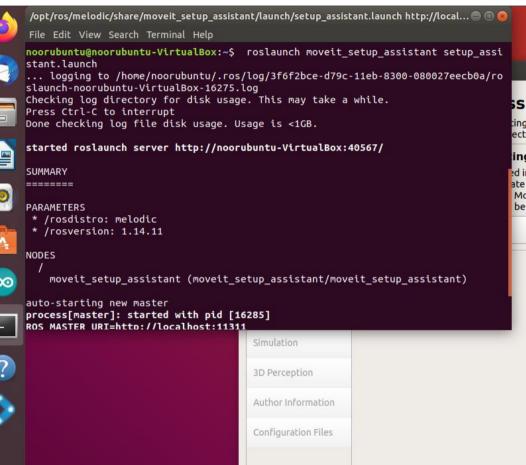






```
noorubuntu@noorubuntu-VirtualBox: ~/catkin_ws/src/arduino_robot_arm/robot_arm_pkg/s... 🛑 🔳 🌘
File Edit View Search Terminal Help
noorubuntu@noorubuntu-VirtualBox:~$ cd catkin_ws/src/arduino_robot_arm/robot_arm
pkg/scripts
noorubuntu@noorubuntu-VirtualBox:~/catkin_ws/src/arduino_robot_arm/robot_arm_pkg
/scripts$ sudo chmod +x joint_states_to_gazebo.py
[sudo] password for noorubuntu:
noorubuntu@noorubuntu-VirtualBox:~/catkin_ws/src/arduino_robot_arm/robot_arm_pkg
/scripts$
```





## sistant

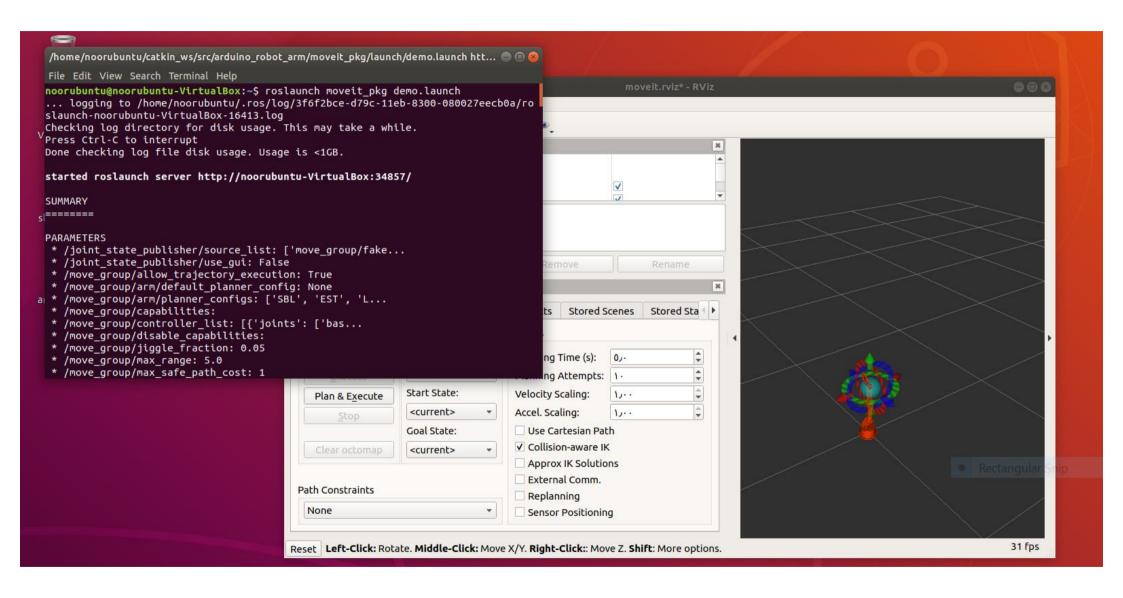
ring a Semantic Robot Description Format (SRDF) file, various yaml configuration and many ects of MoveIt! functionality.

## ing?

d in the MoveIt! configuration package. ate a new configuration package or load an Movelt! configuration package outside be overwritten by this tool.

> Edit Existing Movelt Configuration Package





```
/home/noorubuntu/catkin ws/src/arduino robot arm/moveit pkg/launch/demo gazebo.lau... 🗐 📵
File Edit View Search Terminal Help
noorubuntu@noorubuntu-VirtualBox:~$ roslaunch moveit pkg demo gazebo.launch
... logging to /home/noorubuntu/.ros/log/113b56d6-d933-11eb-b2fe-080027eecb0a/ro
slaunch-noorubuntu-VirtualBox-3308.log
Checking log directory for disk usage. This may take a while.
Press Ctrl-C to interrupt
Done checking log file disk usage. Usage is <1GB.
started roslaunch server http://noorubuntu-VirtualBox:43873/
SUMMARY
PARAMETERS
 * /arm_controller/gains/base_joint/d: 1
  /arm controller/gains/base joint/i: 1
 * /arm controller/gains/base joint/i clamp: 1
   /arm controller/gains/base joint/p: 100
  /arm controller/gains/elbow/d: 1
   /arm controller/gains/elbow/i: 1
   /arm controller/gains/elbow/i clamp: 1
   /arm controller/gains/elbow/p: 100
   /arm_controller/gains/shoulder/d: 1
   /arm controller/gains/shoulder/i: 1
   /arm_controller/gains/shoulder/i_clamp: 1
```

