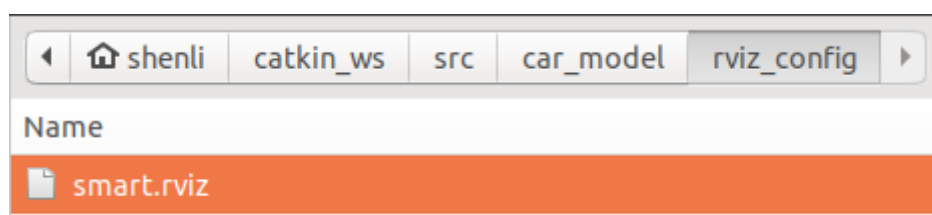


# ROS1 Melodic

```
1 # 大作业命令执行顺序
2 catkin_make
3 roslaunch gazebo_ros empty_world.launch
4 roslaunch car_model spawn_car.launch
5 rviz
6 roslaunch pure_pursuit pure_pursuit.launch
7
8
9 # -----
10 mkdir catkin_ws/src
11 catkin_make // catkin_ws下
12 catkin_create_pkg xxx // src下, 然后会多出2个文件, CMakeLists.txt、package.xml
13 # rm -rf build/ devel/
14 # catkin_make clean
15 catkin_make
16 roslaunch gazebo_ros empty_world.launch
17 roslaunch car_model spawn_car.launch
18 # roslaunch waypoint_loader waypoint_loader.launch
19 rviz
20 # car_model rviz config
21 # add path - name"base path" - topic - choice"/base_path"
22 # roslaunch waypoint_updater waypoint_updater.launch
23 roslaunch pure_pursuit pure_pursuit.launch
24 # -----
25 rosrn rqt_gui rqt_gui # rqt 诊断界面
26 # -----
27 roslaunch gazebo_ros mud_world.launch // 单摆模型
28 roslaunch box spawn_box_urdf.launch
```



问题一：错误信息表示 `ros1` 在启动 `car_model` 时，无法加载名为 `rear_right_velocity_controller` 的控制器

```
1 [ERROR] [1731597219.721711911, 14.282000000]: Could not load controller 'rear_right_velocity_controller' because controller type 'velocity_controllers/JointVelocityController' does not exist.
2 [ERROR] [1731597219.721800231, 14.282000000]: Use 'rosservice call controller_manager/list_controller_types' to get the available types
3 [ERROR] [1731597220.740488527, 15.265000000]: Could not load controller 'rear_left_velocity_controller' because controller type 'velocity_controllers/JointVelocityController' does not exist.
4 [ERROR] [1731597220.740671168, 15.265000000]: Use 'rosservice call controller_manager/list_controller_types' to get the available types
5 [ERROR] [1731597221.758851603, 16.247000000]: Could not load controller 'front_right_steering_position_controller' because controller type 'effort_controllers/JointPositionController' does not exist.
6 [ERROR] [1731597221.759038853, 16.247000000]: Use 'rosservice call controller_manager/list_controller_types' to get the available types
7 [ERROR] [1731597222.788414056, 17.174000000]: Could not load controller 'front_left_steering_position_controller' because controller type 'effort_controllers/JointPositionController' does not exist.
8 [ERROR] [1731597222.788502329, 17.174000000]: Use 'rosservice call controller_manager/list_controller_types' to get the available types
```

```
1 sudo apt-get install ros-melodic-ros-control ros-melodic-velocity-controllers
2 sudo apt-get install ros-melodic-effort-controllers
```

[问题二： \(ROS\) RLEException: \[display\\_mrobot\\_with\\_camera.launch\] is neither a launch file](#)

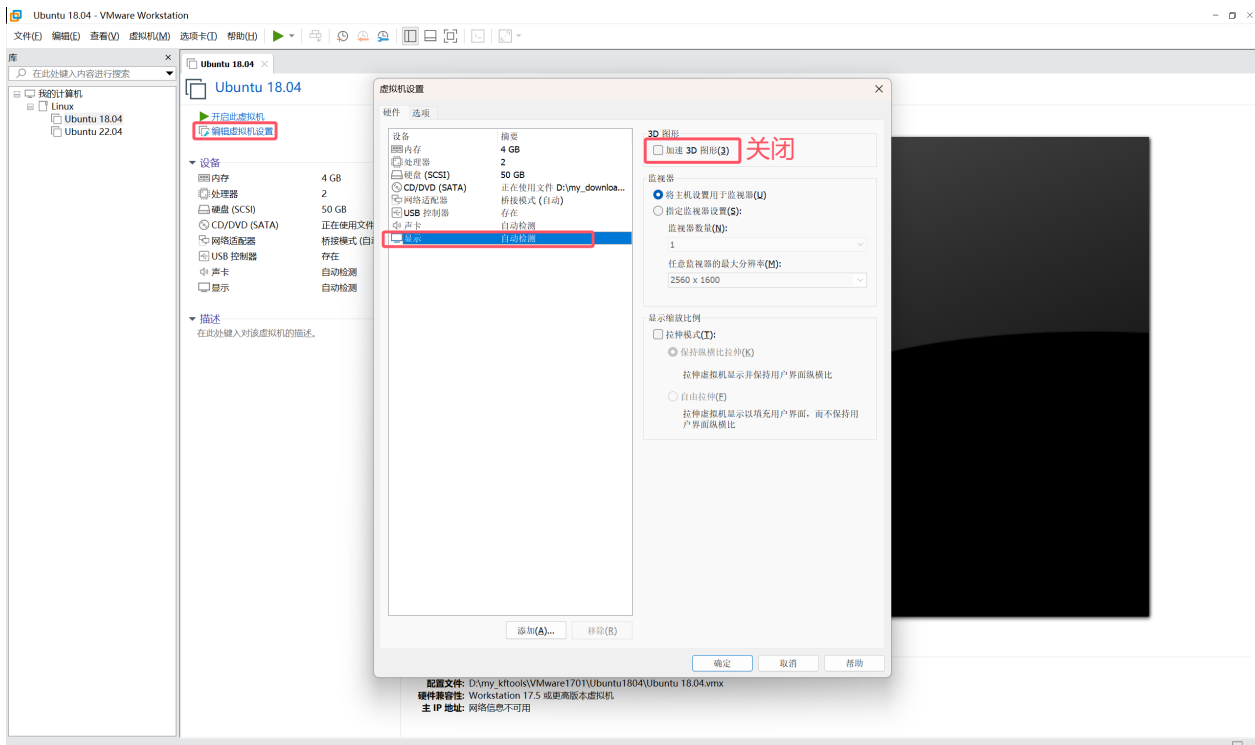
编辑后，再source重启生效

🌲 解决:

- 1.在终端先运行 `sudo gedit ~/.bashrc`
- 2.然后在打开的文档最后添加 `source ~/catkin_ws/devel/setup.bash` 和 `export ROS_PACKAGE_PATH=${ROS_PACKAGE_PATH}::~~/catkin_ws/`
- 3.在终端运行 `source ~/.bashrc`
- 4.在终端运行 `echo $ROS_PACKAGE_PATH` 可以在屏幕上看到你添加的路径

## 问题三： gazebo启动失败

- 1 shenli@shenli-virtual-machine:~\$ gazebo
- 2 VMware: vmw\_ioctl\_command error Invalid argument.
- 3 escalating to SIGKILL on server



## 问题四：文件没权限

- 1 `chmod a+r ~/.ignition/fuel/config.yaml`
- 2 `sudo -i` // 切换用户到 root

[https://blog.csdn.net/zhangwenhou/article/details/109202936?](https://blog.csdn.net/zhangwenhou/article/details/109202936?ops_request_misc=%257B%2522request%255Fid%2522%253A%252297BEE093-4489-)  
[ops\\_request\\_misc=%257B%2522request%255Fid%2522%253A%252297BEE093-4489-](https://blog.csdn.net/zhangwenhou/article/details/109202936?ops_request_misc=%257B%2522request%255Fid%2522%253A%252297BEE093-4489-)

[4F8F-AF90-](#)

[0FC4EB8509A2%2522%252C%2522scm%2522%253A%252220140713.130102334.pc%255Fall.%2522%257D&request\\_id=97BEE093-4489-4F8F-AF90-0FC4EB8509A2&biz\\_id=0&utm\\_medium=distribute.pc\\_search\\_result.none-task-blog-2~all~first\\_rank\\_ecpm\\_v1~rank\\_v31\\_ecpm-2-109202936-null-null.142^v100^pc\\_search\\_result\\_base5&utm\\_term=%5BErr%5D%20%5BREST.cc%3A205%5D%20Error%20in%20REST%20request&spm=1018.2226.3001.4187](#)

## 问题五：切换Python版本，选择Python 3 作为默认

```
1 sudo ln -sf /usr/bin/python3 /usr/bin/python
```