Build rosapp operating environment

1、Installation environment

```
sudo apt-get install ros-melodic-image-transport ros-melodic-image-transport-
plugins ros-melodic-async-web-server-cpp ros-melodic-web-video-server ros-
melodic-rosbridge-server ros-melodic-unique-id ros-melodic-yocs-math-toolkit ros-
melodic-yocs-msgs ros-melodic-joystick-drivers
sudo apt install scons
python -m install
```

2、Install sdk

Copy the mongo-cxx-driver under the folder to your/home directory, and then enter the folder.

```
cd mongo-cxx-driver
sudo scons --prefix=/usr/local/ --full --use-system-boost --disable-warnings-as-
errors
```

3、Compile workspace

Input following command to create a new workspace. Name is world_canvas ,

```
mkdir world_canvas
cd world_canvas
mkdir src
cd src
catkin_init_workspace
cd ..
```

Then copy the contents of src in the folder to the world_ Under the canvas/src directory, and then compile.

```
cd world_canvas
catkin_make
```

After the compilation is successful, add the path of the workspace to the environment variable.

```
sudo gedit ~/.bashrc
```

Add the content below to the inside.

```
source ~/world_canvas/devel/setup.bash --extend
```

Exit and save.
Note: My world_ Canvas is placed in the home directory. Please modify it according to your actual situation.

4、Check whether the building is successful

Input following command on new terminal.

```
roslauch rosbridge_server rosbridge_websocket.launch
rosrun world_canvas_server world_canvas_server
rosrun world_canvas_server map_manager.py
```