

ExFacLab Documentation

Common Problems

1. Build fails when run *catkin_make* in the workspace:

If build fails, you have to verify if all required packages are installed. Also, you have to verify the ROS version: *sdvun_sim* was developed for ROS Melodic distro, and has not been tested in other versions

2. Some errors appear after run *sdv_nav.launch* command:

A correct build of *sdvun_sim* don't generate errors in the terminal. If you find an error (generally, text in red color), you can search in internet copying the text. Most errors occurs because some missing package or configuration.

3. SDVUN robot don't moves after clicking the screen in RViz:

Verify that all required nodes of Navigation Stack are running, through this command:

```
rostopic list
```

The list depends of localization node, if RViz is running and if you use namespaces. The list may look like this:

- /gazebo
- /gazebo_gui
- /hector_mapping
- /map_server
- /move_base
- /odom_to_map_tf
- /robot_pose_publisher
- /robot_state_publisher
- /rosapi
- /rosbridge_websocket
- /rosout

A missing node in the list may be the reason of the fail.

Other reason: RViz needs to be configured to read messages from topics. In the *sdvun_rviz* package you'll find some .config files that you can use to configure RViz. Go to *File > Open Config* and select any of the files contained in *<workspace/src/sdvun_sim/sdvun_rviz/rviz>*.