

RGB-D SLAM

This guide demonstrates how to install the RGB-D SLAM ROS package on Ubuntu 14.04.

Installation

- Clone the RGB-D SLAM ROS package into your workspace and unzip it

```
cd ~/simulation/ros_catkin_ws/src  
wget -q http://github.com/felixendres/rgbdslam_v2/archive/indigo.zip  
unzip -q indigo.zip  
cd ~/simulation/ros_catkin_ws/
```
- Install the ROS package:

```
rosdep update  
rosdep install rgbdslam  
catkin_make
```
- When building rgbdslam, there were a lot of undefined references to OctoMap functions. This can be solved by removing **~/simulation/ros_catkin_ws/src/rgbdslam_v2-indigo/CMakeLists.txt** and then replacing it with the CmakeLists.txt file in this portfolio. You can find that file at **/Tech report/Code/ros_catkin_ws/src/rgbdslam_v2-indigo/CmakeLists.txt**
- After replacing this file, build it again by running

```
cd ~/simulation/ros_catkin_ws/  
catkin_make
```