# RGB-D SLAM

1. 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***