

# RTabMap Build (Ubuntu 20)

This describes the steps for building the modified version of RtabMap. This version of Rtabmap has been modified to support semantic segmentation registration. Follow steps (in [readme.md](#)) to install rtabmap\_apl:

- [https://gitlab.jhuapl.edu/slamr01/rtabmap\\_apl/-/blob/master/README.md](https://gitlab.jhuapl.edu/slamr01/rtabmap_apl/-/blob/master/README.md)

NOTE: when following the instructions above, rtabmap\_apl should be built in a non-catkin workspace folder as it does not involve ROS.

Then follow these instructions to install the ROS wrapper for rtabmap\_apl:

- [https://gitlab.jhuapl.edu/slamr01/rtabmap\\_ros/-/blob/master/README.md](https://gitlab.jhuapl.edu/slamr01/rtabmap_ros/-/blob/master/README.md)

NOTE: when following the instructions above, rtabmap\_ros should be added to the "src" folder of the catkin workspace for the application (<catkin\_workspace>/src).