

ExFacLab Documentation

sdvun_sim packages

This page lists the structure of *sdvun_sim* metapackage.

Package Summary

- *sdvun_sim*: Metapackage that contains all packages that belongs to this project. Not contains executable files.
- *labfabex_gazebo*: Package that contains LabFabEx model (walls, textures). Contains *launch* files, 3D files and *world* files required by Gazebo.
- *sdvun_description*: Package with *xacro* files and 3D files. Used to describe any SDVUN robot model in ROS and Gazebo.
- *sdvun_gazebo*: Package with *launch* files to run Gazebo simulations.
- *sdvun_navigation*: Package with *launch* that configurates and runs Navigation Stack nodes of SDVUN mobile robot.
- *sdvun_rviz*: Package with *config* files for RViz.
- *labfabex_gazebo* Package
 - LabFabEx walls
 - LabFabEx world
 - labfabex_bringup.launch
- *sdvun_description* Package
 - XACRO files
 - Structure
 - Generating a robot model
 - Viewing a SDVUN model in RViz
 - Links of interest
 - Tutorial: Adding a new robot description
 - Inertial model
 - Visual model
 - Colission model
 - Joints and Links
 - Gazebo Plugins
- *sdvun_gazebo* Package
 - sdvun_nav.launch
 - sdvun_empty_world.launch
 - spawn_sdvun.launch
 - spawn_sdvun_nav.launch
- *sdvun_navigation* Package
 - Navigation Stack: amcl, hector and move_base launch files
 - move_base
 - hector_mapping
 - amcl

- [sdvun_rviz Package](#)
 - [Configuration files for RViz](#)
 - [View Robot Model in RViz](#)

Links of interest