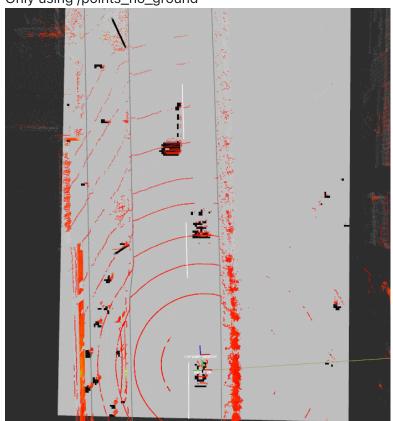
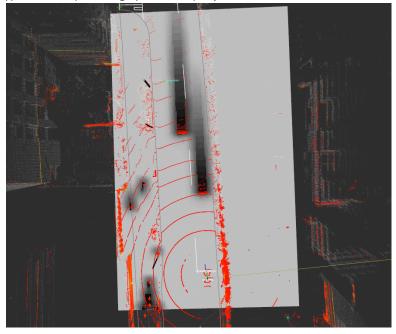


Result

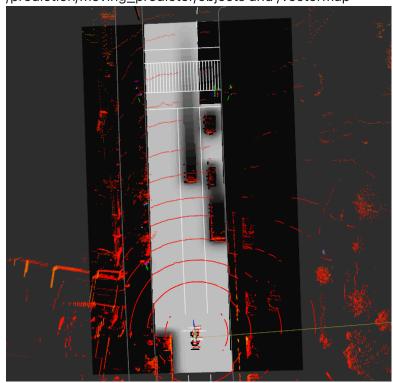
Only using /points_no_ground



Using /points_no_ground and /prediction/moving_predictor/objects



Using /points_no_ground, /prediction/moving_predictor/objects and /vectormap



Related issue

https://github.com/CPFL/Autoware/issues/1772

Todos

Tests

catkin_make run_tests_costmap_generator_gtest



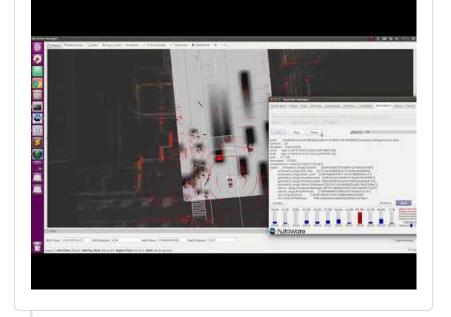
Documentation

Steps to Test or Reproduce

roslaunch costmap_generator
costmap_generator.launch



This video will show how to launch costmap_generator. (Assuming we already know tf information between /map and /base_link)



amc-nu and others added 30 commits 6 years ago

F	amc-nu and others added 30 commits 6 years ago	
-	* Initial commit for visualization package	180900c
-0-	<pre>Merge branch 'develop' into feature/perception_visualization_cleanup</pre>	0c2df3e
-	<pre>* Fixes to visualization</pre>	7a59696
-	Reduce verbosity on markers	6a05d7e
-		923e468
-	* Changed to 2 spaces indentation	a92460c
-	<pre>Fixed README messages type</pre>	d807166
-	<pre>2 2 space indenting</pre>	6040437
-	<pre>ros clang format</pre>	752161e
-	Publish acceleration and velocity from ukf tracker	161cbff
0	<pre>Merge branch 'develop' into feature/perception_visualization_cleanup</pre>	c861aa8
-	Remove hardcoded path	900bcf7
-	<pre>Updated README</pre>	15d5286
-	<pre>updated prototype</pre>	56fdc09
-	Prototype update for header and usage	ea4886d
-	Removed unknown label from being reported	887d45a
-	Updated publishing orientation to match develop	83e1b54

* Published all the trackers ... 1bfbfe6

-	<pre>merge develop</pre>	15c7663
-	<pre>Add simple functions</pre>	855ba4a
-	Refacor code	4654d87
-	* Reversed back UKF node to develop	11ee790
-	Refactor codes	5a9c60d
-	Refactor codes	f02b2db
-	Refactor codes	709f171
-	Refacor codes	58a17a0
-	Make tracking visualization work	41c13cc
-	Relay class info in tracker node	1637baa
\rightarrow	Remove dependency to jskbbox and rosmarker in ukf tracker	4fa1dd4
-	papply rosclang to ukf tracker	4f8d1cb

108 hidden items Load more...

sgermanserrano and others added 4 commits
5 years ago

0-	Space	cdc44ef
-	Generic folder name	56a7e4d
-	<pre>Merge branch 'fix/costmap_generator' into feature/costmap_generator</pre>	556af29
-	Fix/costmap generator (#2077)	cda2014

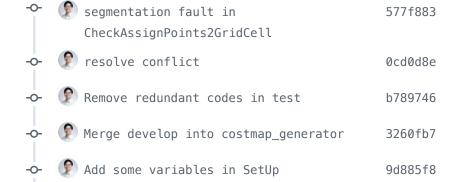


• sgermanserrano suggested changes on Mar 6, 2019

View reviewed changes

sgermanserrano left a comment

@cirpue49 there are a number of duplicated variables that are used across most tests. Can you add them to the TestSuite and the initial values to the SetUp method?





sgermanserrano commented on Mar 8, 2019

<u>@amc-nu</u> @cirpue49 I have just realised there is another *points2costmap.cpp* inside the *object_map* package, can either one be named differently?



sgermanserrano reviewed on Mar 8, 2019

View reviewed changes

...omputing/perception/semantics/p
ackages/costmap_generator/test/sr
c/test_costmap_generator.cpp

(Outdated)

209 + TEST_F(TestSuite, ChecMakePolygonFro
210 + {
211 + double expand_polygon_size = 0;
212 + autoware_msgs::DetectedObject in_o



sgermanserrano on Mar 8, 2019 • edited ▼

@cirpue49 autoware_msgs::DetectedObject in_object; is used in multiple tests, although its convex_hull member varies you can declare it in_object as part of the TestSuite and initialise header.frame_id, pose, score, orientation and dimensions in the SetUp since they seem to be the same and clear the convex_hull contents in TearDown so that it is fresh for each test.

The pose can be overwritten in the last test where it is different.



k0suke-murakami on Mar 11, 2019

Author

Could you check the latest commit?

Added some scripts in SetUp function.

koh-murakami-ai added 4 commits 5 years ago







k0suke-murakami commented on Mar 11, 2019 • edited ▼

Author

<u>@amc-nu</u> @cirpue49 I have just realised there is another *points2costmap.cpp* inside the *object_map* package, can either one be named differently?

Yes, so I renamed points2costmap to points_to_costmap in this PR's files.

However, it is still confusing to have a similar name on both packages.

Basically, both 2 files do the same thing except that old points2costmap is computationally expensive.

So, will propose to make old points2costmap obsolete in next release(1.12).

What do you(@sgermanserrano) think?



sgermanserrano approved these changes on Mar 11, 2019

View reviewed changes

sgermanserrano left a comment ⋅ edited ▼

<u>@k0suke-murakami</u> thanks for adding the tests, please remove unused <u>in_object</u> from tests before the branch is merged

...omputing/perception/semantics/p
ackages/costmap_generator/test/sr
c/test_costmap_generator.cpp

(Outdated)

285 +
286 + TEST_F(TestSuite, CheckMakeCostmapF)
287 + {
288 + autoware_msgs::DetectedObject in_c



sgermanserrano on Mar 11, 2019 • edited ▼

@k0suke-murakami

autoware_msgs::DetectedObject in_object; are not used any more, can you remove them? I'll approve so it can be merged when they are removed



k0suke-murakami on Mar 11, 2019

(Author)

Thank you for checking! I deleted unnecessary in_object.

koh-murakami-ai added 2 commits 5 years ago

-o- Remove unnecesary in_object 67735bd

-O- Refactor test codes 6af3155

sgermanserrano merged commit d37ec2e into develop on Mar 11, 2019

sgermanserrano mentioned this pull request on Mar 14, 2023

Make points2costmap obsolete



autowarefoundation/autoware_ai#612

kOsuke-murakami deleted the feature/costmap_generator branch 5 years ago



hamkuchan commented on Jun 18, 2019

<u>@sgermanserrano</u> Hi, I'm wondering why after I ran the node: ray_ground_filter, compare_map_filter, costmap_generator but didn't get the costmap on rviz?



gbiggs commented on Jun 18, 2019

Thanks for using Autoware and for your question. However the issue tracker is for posting confirmed bugs and feature requests.

We ask that you please ask questions at the <u>ROS Answers</u> <u>website</u> following our support guidelines: <u>https://github.com/autowarefoundation/autoware/wiki/Support-guidelines#ros-answers</u>. Please pay particular attention to the information we ask you to provide.

anubhavashok pushed a commit to

NuronLabs/autoware.ai that referenced this pull request
on Sep 7, 2021



on Jun 14, 2022