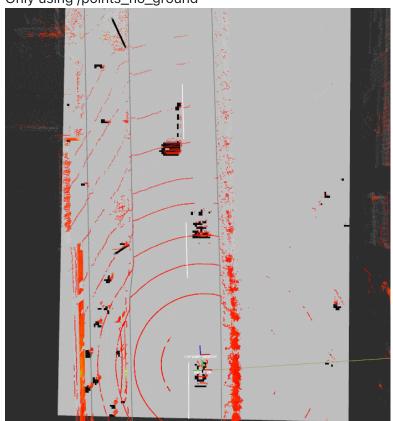
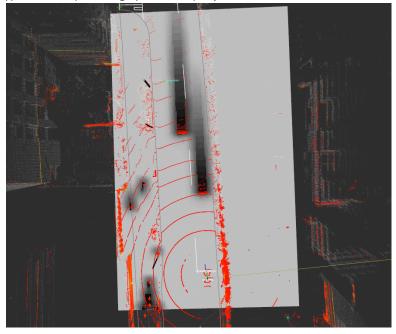


# Result

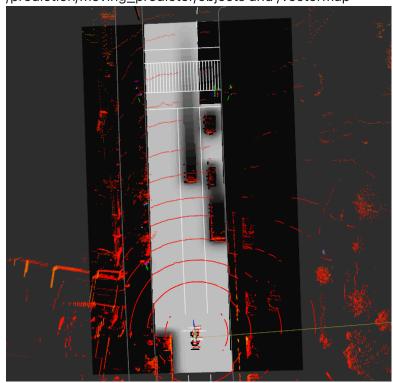
Only using /points\_no\_ground



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



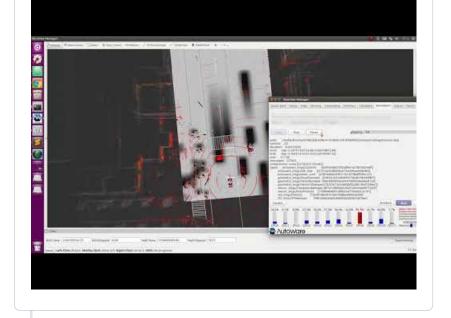
Documentation

## **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

<b>-</b>	<pre>* Initial</pre>	commit	for	visualization	180900c
	package	•••			

- -O- 🔊 \* Fixes to visualization .... 7a59696
- o- 🕵 Reduce verbosity on markers 📗 6a05d7e
- o intial commit 923e468
- o- 🔝 ∗ Changed to 2 spaces indentation \cdots 👚 a92460c
  - 犯 Fixed README messages type 📗 d807166
- -**O** 2 space indenting 6040437
  - o- 🔊 ros clang format 📗 752161e
- -O- Publish acceleration and velocity 161cbff from ukf tracker
- Merge branch 'develop' into c861aa8 feature/perception\_visualization\_cleanup
- Remove hardcoded path 900bcf7
- -O- Updated README 15d5286
- -o- updated prototype 56fdc09
- Prototype update for header and usage ea4886d
- Removed unknown label from being 887d45a reported
- Updated publishing orientation to 83e1b54 match develop
- -O- \*\* Published all the trackers ... 1bfbfe6

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

# 108 hidden items Load more...

sgermanserrano and others added 4 commits
5 years ago

-o- Space cdc44ef

-O- Generic folder name 56a7e4d

Merge branch 'fix/costmap\_generator' 556af29 into feature/costmap\_generator

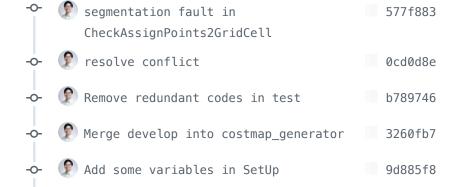
Fix/costmap generator (#2077) cda2014

• 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)



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

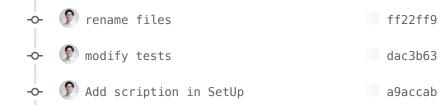
Author

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 • 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 06af3155

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