

Feature/add vehicle status #1191

New issue

Merged

yk-fujii merged 4 commits into develop from feature/add_vehicle_status on May 2, 2018

Conversation 9

Commits 4

Checks 0

Files changed



yk-fujii commented on Apr 3, 2018

Status

**PRODUCTION **

Description

[autowarefoundation/autoware_ai#110](#)

Related PRs

Todos

- ☒ Tests
- ☐ Documentation

Steps to Test or Reproduce

Test odometry with rosbag containing can_info.

Reviewers

- YamatoAndo ✓
- aohsato ●

Assignees

No one assigned

Labels

version:autoware-ai

Projects

None yet

Milestone

v1.7

Development

Successfully merging this pull request may close these issues.

5 participants



👁

yk-fujii requested review from YamatoAndo and aohsato 6 years ago



YamatoAndo commented on Apr 3, 2018

@yk-fujii good job!
Also want to change the name "odom_pose".
How about "can_odom", "can_odometry/odom",
"vehicle/odom", etc?



yk-fujii commented on Apr 3, 2018

Author

Thanks [@YamatoAndo](#)

I have changed odom topic name to /vehicle/odom

Please re-review



YamatoAndo commented on Apr 3, 2018

[@yk-fujii](#) Thanks.

Btw, how to launch can_odometry?

I think the executable file "can_odometry" does not exist.



yk-fujii commented on Apr 9, 2018

Author

Ahh, I made a mistake! Fixed it!

You need to check the vel_pose_connect and the can2odom on RuntimeManager for launching can_odometry.

[@YamatoAndo](#)



yk-fujii added this to the **v1.7** milestone on Apr 24, 2018



yk-fujii added 4 commits [6 years ago](#)



yk-fujii add vehicle_status msg [0ff8da3](#)



yk-fujii change can_translator [ba45dc1](#)



yk-fujii change odometry topic name [d2f5d68](#)



yk-fujii fix a build setting [c2a0103](#)



yk-fujii [force-pushed](#) the [feature/add_vehicle_status](#) branch from **3f23972** to **c2a0103** 6 years ago [Compare](#)



yk-fujii commented on Apr 24, 2018

Author


resolved conflict




YamatoAndo approved these changes on Apr 27, 2018

[View reviewed changes](#)



 **yk-fujii** merged commit **6e74cf6** into **develop**
on May 2, 2018

 **yk-fujii** deleted the **feature/add_vehicle_status**
branch 6 years ago

 **yk-fujii** commented on May 2, 2018

Author

Thanks [@YamatoAndo](#)

 **yk-fujii** mentioned this pull request on May 2, 2018

[fix] Fixes for all packages and dependencies #1240

Merged

2 tasks

 **kfunaoka** mentioned this pull request on Mar 14, 2023

Create pull request Release/1.7.0

Closed

autwarefoundation/autware_ai#151

23 tasks

 **wsung1** commented on Jun 17, 2018

Hi, [@yk-fujii](#), I'd like to test this newly merged function of yours.

For this, I think I need bag files containing can_info (CAN messages).

I've recorded many bag files which normally include images (from a camera), pointcloud (with a LiDAR) and nmea sentences (by a GNSS); however, they've never had CAN messages yet.

I have my own test vehicle as large as ZMP RoboCar MV2, whose internal communications are all done via CAN.

Would you introduce how to record CAN messages (along with other signals from other sensors)?

FYI, I have the KVASER Leaf as a CAN interface.

Thank you for reading, [@yk-fujii](#) :)

 **k0suke-murakami** commented on Jun 18, 2018 • edited

Hi,

You need to convert CAN messages to autware_msgs::can_info by yourself. Autoware does not have any function for the converting.

If you successfully convert and publish them, you can record the can_info topic.



wsung1 commented on Jun 18, 2018 • edited ▼

Thanks for your reply, @cirpue49 :)

In vehicle_receiver.cpp, can_info topic is being published -

ros::Publisher can_pub =

nh.advertise<autoware_msgs::CanInfo>("can_info", 100);

It tells the ROS master that a message of type

autoware_msgs\CanInfo is being published on the can_info topic.

This is followed by

can_pub.publish(can_msg);

, which is included in getCanValue function.

I'm wondering (in getCanValue function) there is no code

written to input some (CAN) values to can_msg, which

should be implemented as

can_msg.____ = values;

Instead, there are just

can_msg.header.frame_id = "/can";

can_msg.header.stamp = ros::Time::now();

These two are considered very few by comparing with a

message of type autoware_msgs\CanInfo; CanInfo.msg

contains

Header header

string tm

int32 devmode

int32 drvcontmode

int32 drvoverridemode

int32 drvservo

int32 drivepedal

int32 targetpedalstr

int32 inputpedalstr

float64 targetveloc

float64 speed

int32 driveshift

int32 targetshift

int32 inputshift

int32 strmode

int32 strcontmode

int32 stroverridemode

int32 strservo

int32 targettorque

int32 torque

float64 angle

float64 targetangle

int32 bbrakepress

int32 brakepedal

int32 brtargetpedalstr

int32 brinputpedalstr

float64 battery

int32 voltage

float64 anp

int32 battmaxtemparature

int32 battmintemperature

float64 maxchgcurrent

float64 maxdischgcurrent

float64 sideacc
float64 accellfromp
float64 anglefromp
float64 brakepedalfromp
float64 speedfr
float64 speedfl
float64 speedrr
float64 speedrl
float64 velocfromp2
int32 drvmode
int32 devpedalstrfromp
int32 rpm
float64 velocflfromp
int32 ev_mode
int32 temp
int32 shiftfrmprius
int32 light
int32 gaslevel
int32 door
int32 cluise

Please be more specific on how to input values to
can_msg.

I'd appreciate you, @cirpue49!



yk-fujii mentioned this pull request on Mar 14, 2023

**can_velocity and vehicle/odom are
not generated from vehicle_status**

🔒 Closed

autowarefoundation/autoware_ai#204



anubhavashok pushed a commit to

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



Merge pull request

798285e

[autowarefoundation#1191](#) from

CPFL/feature/add_vehim...



mitsudome-r added the **version:autoware-ai** label
on Jun 14, 2022