Feature/add vehicle status #1191

New issue

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

yk-fujii commented on Apr 3, 2018

Status

**PRODUCTION **

Description

autowarefoundation/autoware_ai#110

Related PRs

Todos

- [x] Tests
- [ ] Documentation

Steps to Test or Reproduce

Test odometry with rosbag containing can_info.

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

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

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

- `add vehicle_status msg` `0ff8da3`
- `change can_translator` ··· `ba45dc1`
- `change odometry topic name` `d2f5d68`
- `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

autowarefoundation/autoware_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 autoware_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 battmintemparature
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 autowarefoundation#1191 from CPFL/feature/add_vehi…` `798285e` `···`


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