<> Code

• Issues 42

11 Pull requests 13

Discussions

Actions

Security

Create api for vehicle status #3232

New issue





tkhmy opened this issue on Nov 28, 2022 · 5 comments · Fixed by autowarefoundation/autowaredocumentation#415



tkhmy commented on Nov 28, 2022 • edited ▼

Checklist

- I've read the contribution guidelines.
- I've searched other issues and no duplicate issues were found.
- I've agreed with the maintainers that I can plan this task.

Description

Hi, currently autoware do not have any api that can monitor the vehicle status, if an user or application want to get the information, they will need to get from different topic. I suggest to create an api that combine the vehicle status and output into 1 topic.

Purpose

Hi, I'm thinking to port the vehicle status to autoware. https://github.com/tier4/tier4_ad_api_adaptor/tree/tier4/uni verse/awapi_awiv_adapter#awapivehiclegetstatus

Here will the layout

- position
- geo_point
- velocity
 - target_velocity
- acceleration
 - -target_acceleration
- gear
- turn_indicators
- hazard_lights
- door
- energy

Assignees



📢 isamu-takagi

Labels

type:new-feature

Projects

None yet

Milestone

No milestone

Development

Successfully merging a pull request may close this issue.

🏲 feat(ad-api): add door control tier4/autoware-documentation

3 participants







Possible approaches

The documentation PR autowarefoundation/autoware-documentation#312

https://autowarefoundation.github.io/autoware-documentation/pr-312/design/autoware-interfaces/adapi/list/api/vehicle/

Definition of done

An api that combine the vehicle status and output to the user and application is created



- A khmy self-assigned this on Nov 28, 2022
- BonoloAWF added the type:new-feature label on Nov 28, 2022
- This was referenced on Jan 25, 2023

Create api for vehicle information #3226



Create api for visualization #3225



- → isamu-takagi transferred this issue from autowarefoundation/autoware.universe on Jan 25, 2023
- 💫 🔝 isamu-takagi self-assigned this on Jan 26, 2023



isamu-takagi commented on Jan 27, 2023

Contributor

For target_velocity and target_acceleration, It might be better to separate these as vehicle command message. For geo_point, this cannot be provided if the map only has local coordinates.



tkhmy commented on Jan 31, 2023

Author

For target_velocity and target_acceleration, It might be better to separate these as vehicle command message. For <code>geo_point</code>, this cannot be provided if the map only has local coordinates.

Sorry for late reply, I miss the message. I agree that we should move the target_velocity and target_acceleration to vehicle_command. We should just put in the current vehicle status data

For the geo_point I think we might able to convert from MGRS to the global longitude and latitude

tkhmy mentioned this issue on Feb 1, 2023

feat(autoware_adapi_v1_msgs): add vehicle status msgs

Merged

autowarefoundation/autoware_adapi_ msgs#24

7 tasks



tkhmy commented on Feb 1, 2023

Author

I created the document for vehicle status https://autowarefoundation.github.io/autowaredocumentation/pr-312/design/autoware-interfaces/adapi/list/api/vehicle/



isamu-takagi commented on Feb 1, 2023

Contributor

For the geo_point I think we might able to convert from MGRS to the global longitude and latitude

According to the lanelet2_extension documentation, Autoware works in a local coordinate system independent of MGRS by setting local_x and local_y.



isamu-takagi mentioned this issue on Feb 14, 2023

feat(autoware_adapi_v1_msgs): add geometry shape message



autowarefoundation/autoware_adapi_ msgs#26

7 tasks



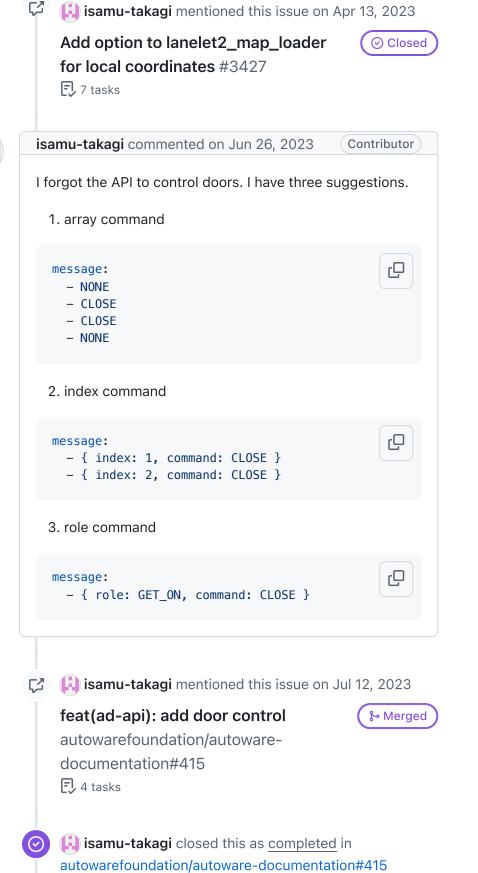
tkhmy mentioned this issue on Feb 22, 2023

feat: add vehicle status api

№ Merged

autowarefoundation/autoware.univers e#2930

7 tasks



on Jul 14, 2023