

openPASS AC - 15.07.2021

Donnerstag, 15. Juli 2021 15:25

Date: 15.07.2021 16:00

Location: Microsoft Teams-Besprechung

Participants

-  [Das Arun, FG-461](#) (BMW Group)
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Notes

1. Current Developments

PCM

Merge request is currently under discussion.

https://gitlab.eclipse.org/eclipse/simopenpass/simopenpass/-/merge_requests/15

Open topics:

- Clarification on the existing and new function for tangential acceleration
- Unification of Cmake build system for GUI (BMW will support)

Intech MR

BMW / in-tech placed 2 new merge requests which are now open for review.

https://gitlab.eclipse.org/eclipse/simopenpass/simopenpass/-/merge_requests/18

https://gitlab.eclipse.org/eclipse/simopenpass/simopenpass/-/merge_requests/19

MR 19 closes the discussion from

<https://gitlab.eclipse.org/eclipse/simopenpass/simopenpass/-/issues/29> and optimized the RAM consumption of the previous DataStore.

Conan

The setup is ready for review and can be integrated into the CI setup branch in the next step.

Afterwards the CI Jobs have to be updated in order to use Conan.

https://gitlab.eclipse.org/eclipse/simopenpass/simopenpass/-/merge_requests/17

The currently used version of Conan is 1.37.2.

OpenSCENARIO (API and Engine)

BMW / in-tech are in the process of setting up the first version of the engine and coupling it with the core. Mercedes is testing the API and proposed Clang-format and Cmake-format files which are currently under discussion in GitLab

https://gitlab.eclipse.org/eclipse/simopenpass/scenario_api/-/merge_requests/8,

https://gitlab.eclipse.org/eclipse/simopenpass/scenario_api/-/merge_requests/6,

https://gitlab.eclipse.org/eclipse/simopenpass/scenario_api/-/merge_requests/7).

The naming of the Scenario API is currently under discussion in https://gitlab.eclipse.org/eclipse/simopenpass/scenario_api/-/issues/3. Please contribute to the discussion.

The described topics have also been part of the synchro meetings within the requirement refinement on OpenSCENARIO on 02.07.2021 and 16.07.2021. The next meeting is planned for 21.07.2021 to talk about the usage controllers from OpenSCENARIO.

If you plan to attend one of the following meetings, contact one of the attendees to forward you the meeting or approach Arun Das.

Code Formatting

The proposed formatting guidelines, as mentioned in the OpenSCENARIO section above, shall also be taken over to all other repositories of the openPASS Working Group.

Traffic Lights

Extension of the core by traffic lights has been merged.

https://gitlab.eclipse.org/eclipse/simopenpass/simopenpass/-/merge_requests/14

Documentation

The documentation on PCM is tightly coupled with the GUI documentation at the moment. As scenario based simulation is only partly supported by the Gui, this is described independently. Step-by-step guides are a good instrument to guide users. Therefore, there will also be a hands-on guide to run a scenario based simulation without the gui based on step-by-step instructions.

Conan is currently described in a separate chapter. Later this shall be integrated with the "Build Prerequisites" chapter.

The merge request for the documentation extensions will be started by Mercedes / ITK soon.

As there is currently no E2E test for the PCM functionalities, this shall be implemented in future.

An issue in GitLab has been created:

<https://gitlab.eclipse.org/eclipse/simopenpass/simopenpass/-/issues/38>

2. Support for Linux OS

Currently only Windows is officially supported by openPASS. However, Linux has always played an important role (e.g. in development, execution on computation clusters). The working group will discuss the official support for Linux in a GitLab issue:

<https://gitlab.eclipse.org/eclipse/simopenpass/simopenpass/-/issues/39>

A decision shall be made and implemented for release v0.9.

3. AOB

After releasing v0.8 there will be a meeting to discuss lessons learned. Tuan will send out invitations.