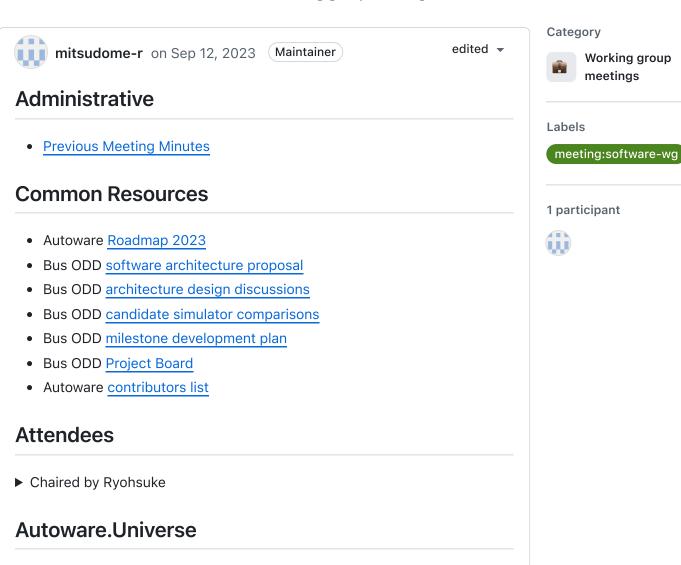


# Software WG Meeting 2023/09/12 #3828

mitsudome-r started this conversation in Working group meetings



- General Mar-Apr Milestone
- Bus ODD Mar-Apr Milestone
- General high priority issues not in the current milestone
- PRs waiting for review not in the current milestone/high priority.
- Autoware.Universe reported <u>bugs</u> not in the current milestone/high priority.
- Autoware design discussions and demos

## **Discussions**

### **Announcements**

## **Updates from developers**

## **ITRI Bus Integration**

- tests with DBW system are done
- The battery still has an issue, but are doing small tests

- o doesn't have the timeline to replace the battery yet.
- · Working on planning issue
  - behavior planning crashes on real vehicle, although it works in simulation environment.
  - possible tf frame\_id issue.
    - does '/' matter?
    - In general, it shouldn't start with '/'
- We will have a meeting with SPC to discuss demo shooting.

#### **Autoware Release Process**

- @mitsudome-r created an issue to track progress of the release
- • Release Autoware Version 1.0 #3827
- Any help/suggestions regarding release process is welcome

#### Use of TVM dependency packages

- build(tvm\_utility): remove download logic from CMake and update documentation autoware.universe#4923
- TVM packages require artifacts to be downloaded before build time.
- How should we proceed?
  - o make the build of this package optional
  - o add default model to the repository so that build passes
  - just download the header file from the artifact that is necessary for building the package and push it to autoware.repository. The model file can be downloaded separately by a user just like onnx files.
    - we can further make the header file into a separate package.
  - o any other workaround?
    - we can check with @ambroise-arm

#### Distribution of new tasks

- **! ; build(CUDA): upgrade CUDA versions** #3084
  - Test the CUDA 12 with latest tensorrt versions with all ML based packages.
  - Update the dependencies in ansible and docker containers ets.
  - Draft PR available \( \frac{1}{5} \) build(CUDA): update CUDA repo OS, and use
    nvidia/cuda image as a cuda\_base\_image #3684
    - Build check is done, but we still need performance check on perception modules
    - <u>@mitsudome-r</u> to ask perception developers if there are any data that we can use for testing.]
  - How urgent is this issue?
    - It would make Open AD Kit easier to reduce the size of docker image.

## **Action Items**

 Developers to add their discussion items to the agenda for the next meeting • Developers to share updates on their works in the next meeting



## 0 comments