Open ADKit Working Group Meeting 25/07/2024 #5030
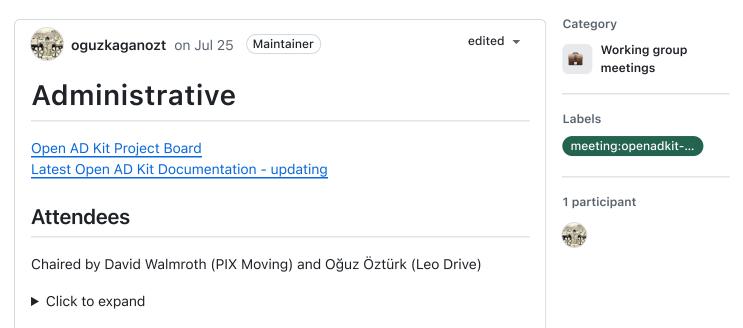
oguzkaganozt started this conversation in **Working group meetings**

oguzkaganozt on Jul 25   Maintainer   edited ▾

Administrative

[Open AD Kit Project Board](#)
[Latest Open AD Kit Documentation - updating](#)

Attendees

Chaired by David Walmroth (PIX Moving) and Oğuz Öztürk (Leo Drive)

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Agenda

DevOps Dojos: Build/Run: Open AD Kit Modular Images

- Agenda item maintainers: **@oguzkaganozt** , **@youtalk**

- [New discussion](#) around modular containers

Performance Analysis of Modular Containers

- https://github.com/orgs/autowarefoundation/discussions/5012
- Replicating similar performance tests of TUM paper by using perception and planning containers **@oguzkaganozt**
- Performance analysis by using [Reaction Analyzer](#) **@batuhanbeytekin**

DevOps Dojos: Ros Node Configuration Updates

- Agenda item maintainers: **@kaspermeck-arm**
[Spreadsheet for node updates](#)
[Call for volunteers](#)
[Step-by-step Documentation](#)
[Step-by-step Video Tutorial](#)

- **Spreadsheet updates**

Category

💼 Working group meetings

Labels

`meeting:openadkit-...`

1 participant

Technical Optimizations for Container Management

*- Agenda item maintainers: **@youtalk** , **@oguzkaganozt***

- [Enable docker caching for docker builds](#)
- [Re-working dependencies to reduce the size of the containers and for making maintenance easier](#)
  - The [list](#) of Top 25 ROS nodes that includes most `<depend>` tags
  - Last years's huge PR related -> ⸘ **build: remove unused** `<depend>` **in package.xml files** autoware.universe#3606
  - [Example of the motivation](#)

Open AD Kit Bugs & Feature Requests

*- Agenda item maintainers: **@idorobotics**, **@oguzkaganozt***

- Assess open-ad-kit related bugs, issues or feature requests from community channels (github, discord, or other platforms)
  - A CUDA [bug](#) will be resolved with this [PR](#)
  - A documentation [bug](#) will be resolved with this [PR](#)

2024 Demo Planning and Activities

*- Agenda item maintainers: **@HamburgDave**, **@samet-kutuk***

- AutoTech Detroit (June 5-6): https://docs.google.com/presentation/d/1UD_0tIhRgfjmQami1nyKxh5feY5TGre4YTOAG1AZWik/edit?usp=sharing
- (Potential) AVTE California / Aug 28-29
- (Potential) IEEE ITSC / Sep 24-27
- (Potential) IROS 2024 / Oct 14-18
- (Potential) ROSCon / Oct 21-23

RViz Visualization by using WebRTC

*- Agenda item maintainers: **@oguzkaganozt**, **@kaspermeck-arm**, **@esteve***

- Assess the strengths and weaknesses of using [Ros bridge](#) and [rvizweb](#)
- https://github.com/RobotWebTools/webrtc_ros
- https://github.com/pgaston/teleopros2/tree/main
- https://github.com/aiortc/aiortc
- Jeremy from Amazon has shown interest in the subject with AWS Kinesis
- ☐ Reconnect with Jeremy (AWS) to help us bootstrap this

Active pursuit to find more collaborators for the Open AD Kit WG

*- Agenda item maintainers: **@samet-kutuk**, **@HamburgDave***

- Outreach to external collaborators
  - Talking to **VicOne** (a member) on a use case to incorporate their IDPS (Intrusion Detection and Prevention System) with the Open AD Kit
  - Talking to **EPAM Systems** on the general architectures of SDV and understanding load balancing of automotive workloads in heterogeneous computing.

Open AD Kit Hardware Availability

- *Agenda item maintainers: @HamburgDave, @samet-kutuk*

- ORIN: Perception container tests on the platform
- AADP: Being used on various demos
- ADLINK presented their autonomy HW lineup in Ref. Des. WG. BSP does not yet support Yocto(?).
- 7Starlake: we heard that some eval units can be made available for testing

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0 comments