

Open ADKit Working Group Meeting

18/4/2024 #4637

oguzkaganozt started this conversation in **Working group meetings**



oguzkaganozt on Apr 18

Maintainer

edited by samet-kutuk ▾

Administrative

[Open AD Kit Project Board](#)

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

[Team List - WiP](#)

[Call for Participation - Step-by-step ROS Node Configuration Task](#)

Attendees

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

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Agenda

DevOps Dojos: Build/Run - Modular Images (Oguz)

- Impressions on new containers/suggestions.
- Modular containers:
 - Issue: [Provide modular images for openadkit: planning, simulator, visualizer #4538](#)
 - Draft PR: [feat\(docker\): provide modular images for openadkit planning simulator visualizer #4629](#)
 - Branch: <https://github.com/autowarefoundation/autoware/tree/4538-provide-modular-images-for-openadkit-planning-simulator-visualizer>
- ☐ [@mitsudome-r](#) and [@xmfcx](#) will be assigned as reviewers
- ☐ [@samet-kutuk](#) will bring a documentation draft

Category



Working group meetings

Labels

meeting:openadkit-...

2 participants



DevOps Dojos: Ros Node Configuration Updates (Kasper)

[Spreadsheet for node updates](#)

[DevOps Dashboard](#)


[Call for volunteers](#)

[Step-by-step Documentation](#)

[Step-by-step Video Tutorial](#)

- We're seeking collaborators from AWF members and non-AWF member organizations:
 - EduTech: an email thread is ongoing
 - ELM Company: had several meetings, waiting on feedback
 - CoE members: a few members proposed a handful contributors. Conversations are ongoing
 - Leads from social media: we continue to engage with individuals who shown interest
- ☐ Reach out to Vignesh
- ☐ Reach out to Rahul (CoE) for his reposting
- ☐ Reach out to the F1Tenth organization through Slack
- ☐ Do a repost of Call for Participation on announcement

More Strict Dependency Control for ROS Nodes (Dogan, Oguz)

- Dependency scheme between ros nodes needs to be re-worked
- A new task added to Buil/Run Dojo - for refining ros nodes dependencies
 -  [More Strict Dependency Control for ROS Nodes #4599](#)
 - Discussions on making this the next DevOps Dojo
- [Example of the motivation](#)

Active pursuit to find more collaborators for the Open AD Kit WG (Samet, Oğuz, Kasper, David)

- 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.
 - Talking to **TUM** on their PoC work on massive Autoware containerization
 - They are open-sourcing their study and work (performance analysis of containerized Autoware workloads)
 - They will be able to present their work soon at the Open AD Kit WG



Perception Containerization Discussion (Kasper, Oguz, David, CJ..)

- A rosbag is requested from TierIV
- Rosbag from Robeff will be available next week (new member of AWF)
- Testing ORIN for perception running with x86 on PIX chassis (Mark, David)
- ☐ Assess the rosbag sent by TIER IV and feedback
- ☐ Retrieve and assess the rosbag from Robeff
- ☐ Reach out to [@drwnz](#) for feedback and initial consult

RViz Visualization by using WebRTC

- Assess the strengths and weaknesses of using [Ros bridge](#) and [rvizweb](#)
- ☐ Reconnect with Jeremy (AWS) to help us bootstrap this

AWSIM Integration and Testing (Oguz, Mitsudome-san, Kasper)

-  [Docker container for AWSIM](#) tier4/AWSIM#7
-  [how to gui for unity3d in docker?](#) mviereck/x11docker#186
- Validating new Open AD containers on the AWSIM environment
- Running AWSIM on x86 and Autoware on ARM

2024 Demo Planning and Activities

- ICRA 2024 (May 13-17): a setup with PIXKit 3.0 will be demonstrated. Storyboard is expected from [@alexandrx](#)
- AutoTech Detroit (June 5-6): an outdoor demo is being discussed but there are challenges
- (Potential) AVTE California / Aug 28-29
- (Potential) IEEE ITSC / Sep 24-27
- (Potential) IROS 2024 / Oct 14-18
- (Potential) ROSCon / Oct 21-23
- ☐ Finalize the arrangement for AutoTech Detroit (go or no-go)

Open AD Kit Hardware Availability

- AADP: Allocating all available units around the world
- 7Starlake: we heard that some eval units can be made available for testing
- ☐ Reach out to Joe Speed for 7starlake eval units

↑ 1

1 comment

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Newest

Top



samet-kutuk on Apr 19 Collaborator

I made few changes to the meeting minutes for better tracking and informing



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0 replies