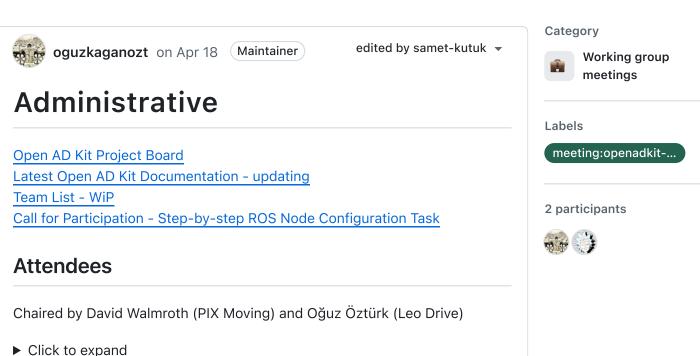


Open ADKit Working Group Meeting 18/4/2024 #4637

oguzkaganozt started this conversation in Working group meetings



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
 - o Draft PR: \$\frac{1}{6} \frac{1}{6} \frac
 - o 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

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
 - o 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 invididuals 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
 - O 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, Mitsudomesan, Kasper)

- O Docker container for AWSIM tier4/AWSIM#7
- Ohow 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

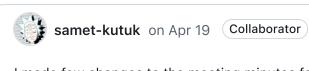
- ICRA 2024 (May 13-17): a setup with PIXKit 3.0 will be demonstrated.
 Storyboard is expected from @alexandrx
- AutoTech Detroit (June 5-6): an outdoor demo is being discussed but there are challenges
- (Potential) AVTE California / Aug 28-29
- (Potential) IEEE ITSC / Sep 24-27
- (Potential) IROS 2024 / 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

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1 comment Oldest Newest Top



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





0 replies