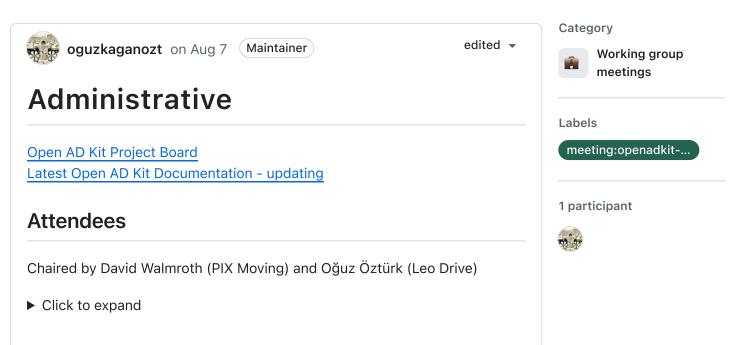# Open ADKit Working Group Meeting 08/08/2024 #5068

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

oguzkaganozt on Aug 7   (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)

▶ Click to expand

Agenda

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

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

- [Modular containers discussion](#)
- ✅ [Lightweight devel build for docker](#) #4991
- [Performance Analysis of Modular Containers](#)

DevOps Dojos: Ros Node Configuration Updates

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

- [Spreadsheet for node updates](#)

Remote RViz Visualization

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

- Other [alternative ' s](#)

Category

💼 Working group meetings

Labels

meeting:openadkit-...

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1 participant

Aspect	X11 Forwarding	VNC	NoMachine	Web
Primary Function	Remote application visualization	Full desktop remote access	High-performance remote desktop	Real-t media data strear
Protocol	X11 over SSH	RFB (Remote Framebuffer Protocol)	NX protocol	WebR (Peer-peer)
Compression	Minimal (SSH encryption overhead)	Various (e.g., Tight, H.264)	Advanced compression and caching	High-efficie compr
Bi-Directional ROS Messaging	No	No	No	Yes
Platform Independence	Limited	Limited	Limited	High
Ease of Setup	Low	Moderate	Moderate to High	High
Security	Integrated with SSH	Requires secure tunnel (e.g., SSH)	Built-in secure connection	Requi secure (DTLS
Performance	Moderate	Moderate	High	High

Technical Optimizations for Container Management

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

- ⊙ **More Strict Dependency Control for ROS Nodes** #4599
  - 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)

Open AD Kit Hardware Availability

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

- ORIN: Recently succesfully tested
  - https://github.com/futurenowx/autoware
- 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

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

Active pursuit to find more collaborators

- Agenda item maintainers: @samet-kutuk, @HamburgDave
- Outreach to external collaborators needed to further increase the WG's productivity

↑ 1

1 comment · 1 reply

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oguzkaganozt on Aug 8 [Maintainer] [Author]

rosbridge activation from launch file -> https://github.com/autowarefoundation/autoware.universe/blob/e9dcf99f5c18481d669d7afe97a2f8487ee47d31/launch/tier4_autoware_api_launch/launch/autoware_api.launch.xml#L33

↑ 1   1 reply

oguzkaganozt on Aug 8 [Maintainer] [Author]

AWS EC2 Instances ->https://aws.amazon.com/tr/ec2/instance-types/g4/)](https://aws.amazon.com/tr/ec2/instance-types/g4/