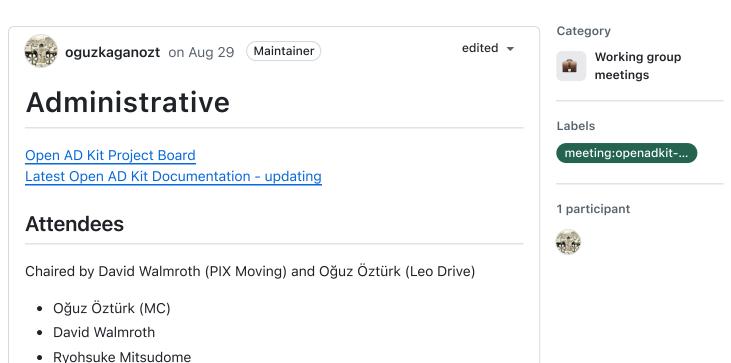# Open ADKit Working Group Meeting 29/08/2024 #5145

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

oguzkaganozt on Aug 29   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)

- Oğuz Öztürk (MC)
- David Walmroth
- Ryohsuke Mitsudome
- Samet Kütük
- Esteve Fernandez
- Bonolo
- Hiroshi Igata
- Alex Carballo
- Yutaka Kondo

Agenda

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

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

- [Performance Analysis of Modular Containers](#)
- [Modular containers project board](#)
- [https://github.com/orgs/autowarefoundation/discussions/5110](#)

DevOps Dojos: Ros Node Configuration Updates

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

Category

Working group meetings

Labels

meeting:openadkit-...

1 participant

- [Spreadsheet for node updates](#)

Release of Open AD Kit Demo Archives

- Open AD Kit demo repos and artifacts will be published and showcased by specific forks within the Autoware project
- https://github.com/autowarefoundation/openadkit_demo.autoware
- https://github.com/autowarefoundation/openadkit_demo.autoware.universe
- https://github.com/autowarefoundation/openadkit_demo.autoware.launch
- https://github.com/autowarefoundation/openadkit_demo.simulator

Remote RViz Visualization

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

Discussion: https://github.com/orgs/autowarefoundation/discussions/5099
Related idea: RobotWebTools/rosbridge_suite#757

Given the benefits of modern web technologies and the need for flexibility, **WebRTC with rosbridge(ROS Web Tools)** with the help of aiortc would be the ideal choice.

- Visualizer container with built-in window manager and VNC support

Aspect	X11 Forwarding	VNC	X2Go	Wel
Primary Function	Remote application visualization	Full desktop remote access	High-performance remote desktop	Real-t media data strean
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-e 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

Aspect	X11 Forwarding	VNC	X2Go	Web
Security	Integrated with SSH	Requires secure tunnel (e.g., SSH)	Built-in secure connection	Requir secur (DTLS
Performance	Slow-Moderate	Moderate	High	High

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)
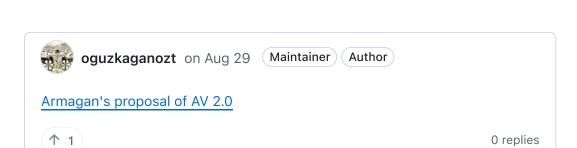
Open AD Kit Hardware Availability

- *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

oguzkaganozt　on Aug 29　(Maintainer)　(Author)

[Armagan's proposal of AV 2.0](#)

↑ 1　　　　　　　　　　　　　　　0 replies