

OpenADx Steering Committee Meeting

... (insert next meeting agenda here)

Steering Committee Meeting, 28.07.2020

Agenda / Meeting Minutes

Time	Topic	Result
15:30	Welcome, Agenda	
	Antitrust Policy	respect Eclipse's Anti-Trust Policy
	Introduction of new members	
	Charter Update	published https://www.eclipse.org/org/workinggroups/openadx_charter.php
	Steering Committee composition	Andy reconfirm the chair of the SC Setup a call for nomination / membership level upgrade
	OpenADx Timeline / Program Plan	Expectation for 2020/21 Andy will invite for a further meeting / workshop (topics: AD stack, tooling, ...) Link to Program Plan https://docs.google.com/document/d/16tVPPZ_IBtW2iEPTz9t2I4UBVvWrQd5DUMK1MNbZYm0/edit#heading=h.i7aolfmhzyhr Some extra meetings will be necessary for defining the program plan
	Architecture excursion	Presentation on 18.08. by Andreas What is architecture in our context?
	openMDM meets OpenADx	Collection of Use Cases - how to handle?

		<p>Soheila will share the provided document, we should setup a further meeting with some openMDM colleagues for more insights in openMDM to fill the doc Ask demonstrator team, if we should invite openMDM people to bring the demonstrator forward. First we should have the first architecture ready, before we include openMDM, but it makes sense to do that.</p>
	<p>Eclipse Cyclone DDS</p>	<p>Add your logo to show support for open source</p> <p>Is topic of Philly ROS Virtual Meetup July 20th, AWS Mfr Day talk July 20th, 2x proposed EclipseCon talks</p> <p>Autoware autonomous driving for Open Robotics ROS</p> <ul style="list-style-type: none"> • OpenADx's Tier 1 ROS middleware now passes green for all Autoware CI tests • Autoware SW WG is recommending to Autoware TSC that it be Autoware's default. Autoware TSC meets July 15th. • Autoware is joining OpenADx • optimizations with Autoware, Box Robotics, Robotec.ai, Ouster improved out of the box loopback throughput using defaults by 2.4x to 11Gbs on 2019 Macbook Pro eclipse-cyclonedds/cyclonedds/pull/558 <p>OpenADx AD middleware cyclonedds+iceoryx:</p> <ul style="list-style-type: none"> • architecture A - cyclonedds with built-in iceoryx zero-copy shared memory work in progress eclipse-cyclonedds/cyclonedds/pull/462 • architecture B - iceoryx with cyclonedds gateway for open source AUTOSAR Adaptive middleware stack. 1st release, 2nd is coming eclipse/iceoryx/tree/master/iceoryx_dds <p>New adopters:</p> <ul style="list-style-type: none"> • Arm adopted and is looking at contributing DDS Security TrustZone support, performance profiling & optimization, FuSa • Robotec.ai adopted and is testing Autoware LiDAR point cloud optimizations. Got >2x improvement from 4.5Gbs to 11Gbs on 2019

Macbook Pro.

- additional announcements coming soon

old business:

- [Open Robotics ROS 2 Foxy Fitzroy released June 5th](#) with [Eclipse Cyclone DDS Tier 1 ROS middleware](#). NOTE: ROS 264M downloads this past year
- Highlighted in AWS RoboMaker blog <https://aws.amazon.com/blogs/robotics/ros-2-foxy-fitzroy-robot-development/>
- <https://blogs.eclipse.org/post/frédéric-desbiens/robotic-dream-team-ros-2-and-cyclone-dds>
- Open Robotics will evaluate making it the default. Update Foxy via rolling update if so.
- Adoption is strong. For example Linaro's 96boards and AutoCore.ai. Many public adopters <https://iot.eclipse.org/adopters/#iot.cyclonedds>
- Central to [ITRI + Tier IV + ADLINK AV program](#)
- Show your support for OpenADx open source, [takes 2 minutes](#)
- Finishing fixing [Autoware](#) CI tests for Eclipse Cyclone DDS built-in as default. Had failed because "cyclonedds is too fast"
- NOTE: Autoware near-term focus is now autonomous cargo ... because COVID?
- Should [Autoware](#) + OpenADx join each other? Yes, refresh the conversation
- Showcased for autonomous cargo in upcoming AWS Manufacturing Day July 22nd
- EclipseCon: "[Real-Time LiDAR Perception in Open Robotics ROS 2 Foxy with Eclipse Cyclone DDS](#)" <https://www.eclipsecon.org/2020/sessions/building-scaled-110-autonomous-cars-eclipse-technologies>
- [Ouster digital LIDAR driver + Cyclone DDS optimization](#) for large point clouds work being done for Box Robotics + ADLINK + Ouster + AWS RoboMaker solution.
- [iceoryx released 1st version of CycloneDDS gateway](#) for AUTOSAR Adaptive, et al.
- Started building iceoryx into CycloneDDS for ROS2 & Autoware ... but stalled because Foxy release interruptions
- US DOT CARMA with SUMO + OpenADx CycloneDDS ... getting much interest in "collaborative driving" V2V, V2X with

		OpenADx tech
	Open topics	tuleap.eclipse.org/projects/openadx-wg-private Please work on the open topics!
	EclipseCon 2020	Community Day preparation
	Demonstrator	tuleap.eclipse.org/plugins/tracker/?aid=1246 Demonstrator talks are continued -> KickOff about to be starting in a few days. Autoware demonstrator vehicle (Lexus) running Cyclone DDS How can we bring OpenADx Demonstrator and Autoware together? Joint Strategy for ROS and Autoware with OpenADx (an example: diyrobocars .)
	OpenADx Whitepaper	current state Participation rate was low the last meetings. How can we attract people with such activities?
	Lead Management	“OEMs” or “AV makers”? focus on fast movers tuleap.eclipse.org/plugins/tracker/?aid=1236
	Upcoming events e.g. overall meetings, meeting at some conferences	<ul style="list-style-type: none"> • June, San Jose - Autonomous Valet Parking (AVP) Lexus SUV running Autoware.auto + OpenADx Eclipse Cyclone DDS in June, San Jose. autoware.org click “members”, coordinate some press / social. -> date shifted to later this year • show your support iot.eclipse.org/adopters • Autonomous Software and System Symposium, 16-18 June 2020, Stuttgart -> shifted to June 8 - 10, 2021 https://www.autonomousvehicletechnologyexpo.com/en/ • ScaleUp360 ADAS Meeting https://www.scale-up-360.com/en/adas/register-now-2/ • Open Robotics ROScon 2020 -> 2021 delayed, will have a virtual event in fall instead
	Feedback from conferences	Eclipse YouTube Channel Carma Project

	Projects / Project Proposals	OpenMCx expected to be Open Source in some weeks
	Next steps	
	Next meeting dates	18.08.2020
17:00	End	

Participants

Name	Company	Participation?
Joe Speed	ADLINK Technology	x
Josko	AVL List	x
Soheila	DENSO Corporation	x
Naci	eteration	
Philip	EclipseSource	
Christian	IBM	
Andreas	itemis	
Michael	JCIM	
Robert	Microsoft	x
Wolfram	Red Hat	x
Andy	Robert Bosch GmbH	x
Robin	Siemens	x
Paul	Eclipse Foundation	x