AWF
Open AD Kit
Concept

We need to align on a few things before discussing on the right place for Open AD Kit WG

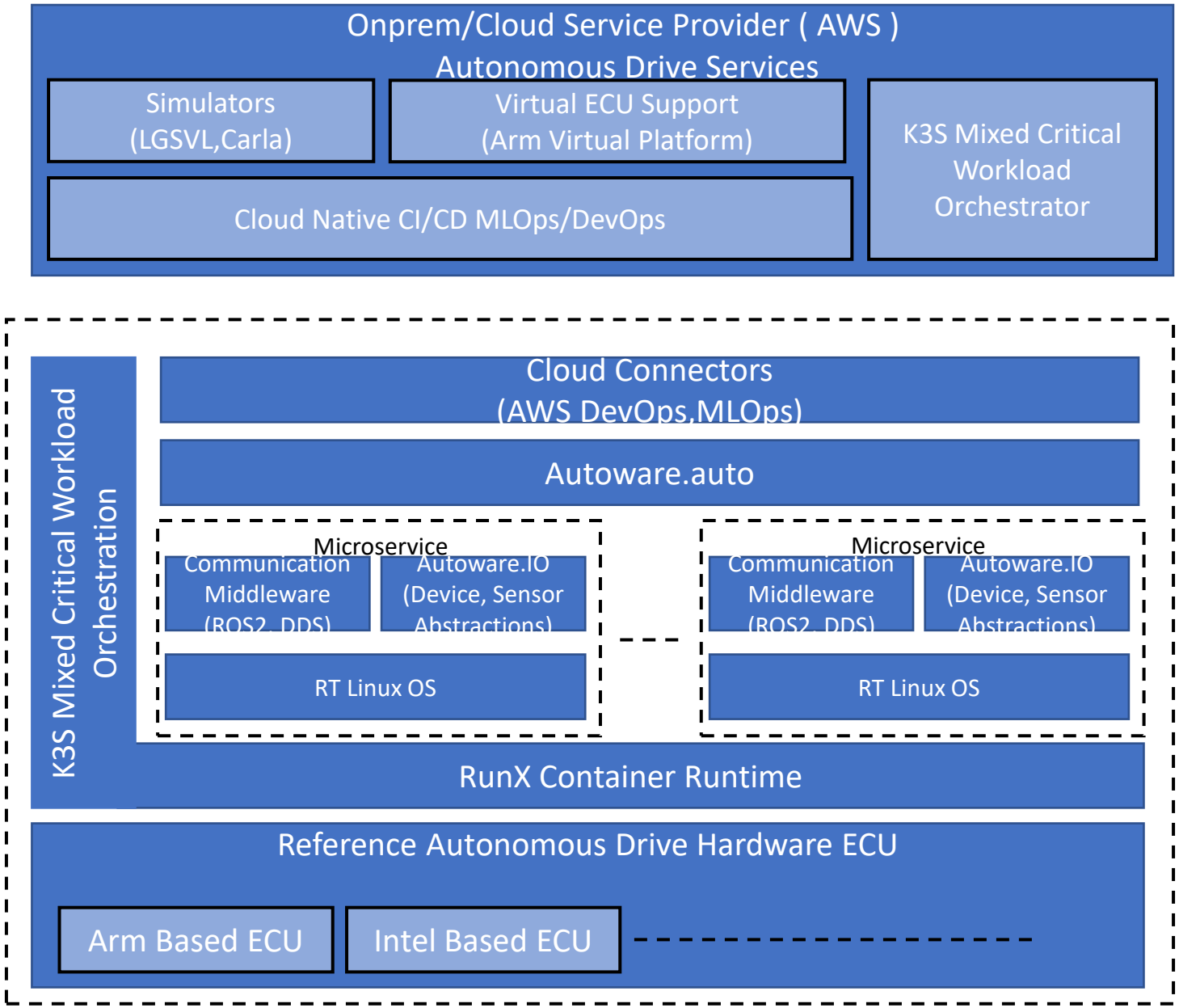
- Align on objectives of Open AD Kit
- Align on high level Open AD Kit Concept
- Align on objectives of Open AD Kit WG

Once we align on the above, we will have a better opinion on where will Open AD kit reside and next steps.

Open AD Kit Objectives

- Accelerate the adoption of Autoware in autonomous ecosystem by providing an open vertically integrated autonomous reference kit reducing the TTM for OEM/T1.
- Create a platform to drive Autoware as the technology leader in adoption of Cloud Native Software Defined Vehicle design paradigm across autonomous ecosystem
- Provide a platform for AWF partners to enable their products as part of the reference kit to show case interoperability and to drive end user commercial evaluations

AWF OpenAD Kit Concept Architecture



Cloud hosted devops pipeline with support for virtual ECU where applicable

LGSVL/Carla support for Onprem or cloud native instantiation

Free Tier CSP MLOps/DevOps cloud connectors pre-integrated

Bleeding edge Autoware.auto support

Standards based device and communication abstraction

Cloud native architecture with roadmap to drive mixed criticality workload orchestration

Multi-Architecture AD automotive/industrial grade hardware reference ECU.

Open AD Kit WG Objectives

- Define and deliver Open AD Kit Concept to TSC/Board for Approval
- Define the system hardware and software specification focusing on autonomous drive system components across the value chain including Autoware needed to deliver the next generation software-defined vehicles
- Derive system requirements based out of the hardware/software specifications and feed into Simulation , Hardware , Software Workgroups
- Create system integration plan and oversee overall execution
- Work with SPC for GTM and ecosystem engagements
- Work with external consortiums like MIH for Open AD Kit to be used as an accelerator for EV Kit or alike initiatives