

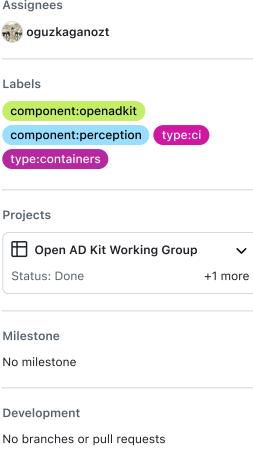
After that users would be able to deploy distinct Autoware workloads that are **OTA-ready**.

Purpose

- Enable users to deploy Autoware easily on different platforms with the help of pre-built containers.
- Make it easier to orchestrate whole Autoware workloads with the help of container orchestration tools
- Ensure resource optimization and enhance efficiency of the entire host system.
- Isolate runtime environments of distinct functionalities, increasing deterministic behavior of the whole system and also enhancing bug traceability.

Possible approaches

Standardization and Compatibility



1 participant

 Develop standardized, cross-platform compatible container images for all Autoware components.

Orchestration

 Utilize Kubernetes for managing container lifecycle, deploying updates, and scaling workloads effectively.

Resource Management Optimization

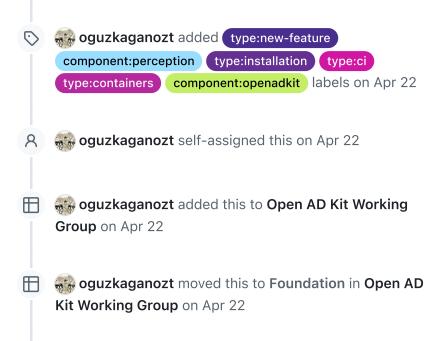
 Integrate tools for dynamic resource allocation and optimization to enhance system efficiency and performance.

Documentation and Community Engagement

 Provide comprehensive documentation and engage with the community for feedback and continuous improvement.

Definition of done

| Compose perception container, |
|--|
| Provide at least one orchestration tool for the containers |
| ■ Validate containerized deployment on multiple HW platforms (arm, x86) |
| Document new containers and compose a getting started guide for the new containerized deployment |





Execution in Open AD Kit Working Group on Apr 22

graph oguzkaganozt moved this from Foundation to

Deep investigation of reaction and end-to-end latency has been made thanks to objects. Hopefully we can leverage these data along with containerization performance analysis:

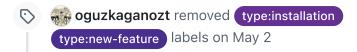
 https://docs.google.com/spreadsheets/d/1vPWfAfba6v sPu4sFLXpypNAc3NqCepM11d6rKnp2u4Y/edit#gid=0



oguzkaganozt commented on Apr 22 (Contributor) (Author)

Rosbags and necessary maps has provided thanks to Robeff:

 https://drive.google.com/drive/folders/1VLPVCE7xOaY7 eS38y3l2EiYBQQWmbDVG



- oguzkaganozt closed this as completed on Jul 26
- github-project-automation bot moved this from Execution to Done in Open AD Kit Working Group on Jul 26