



Eclipse Kuksa

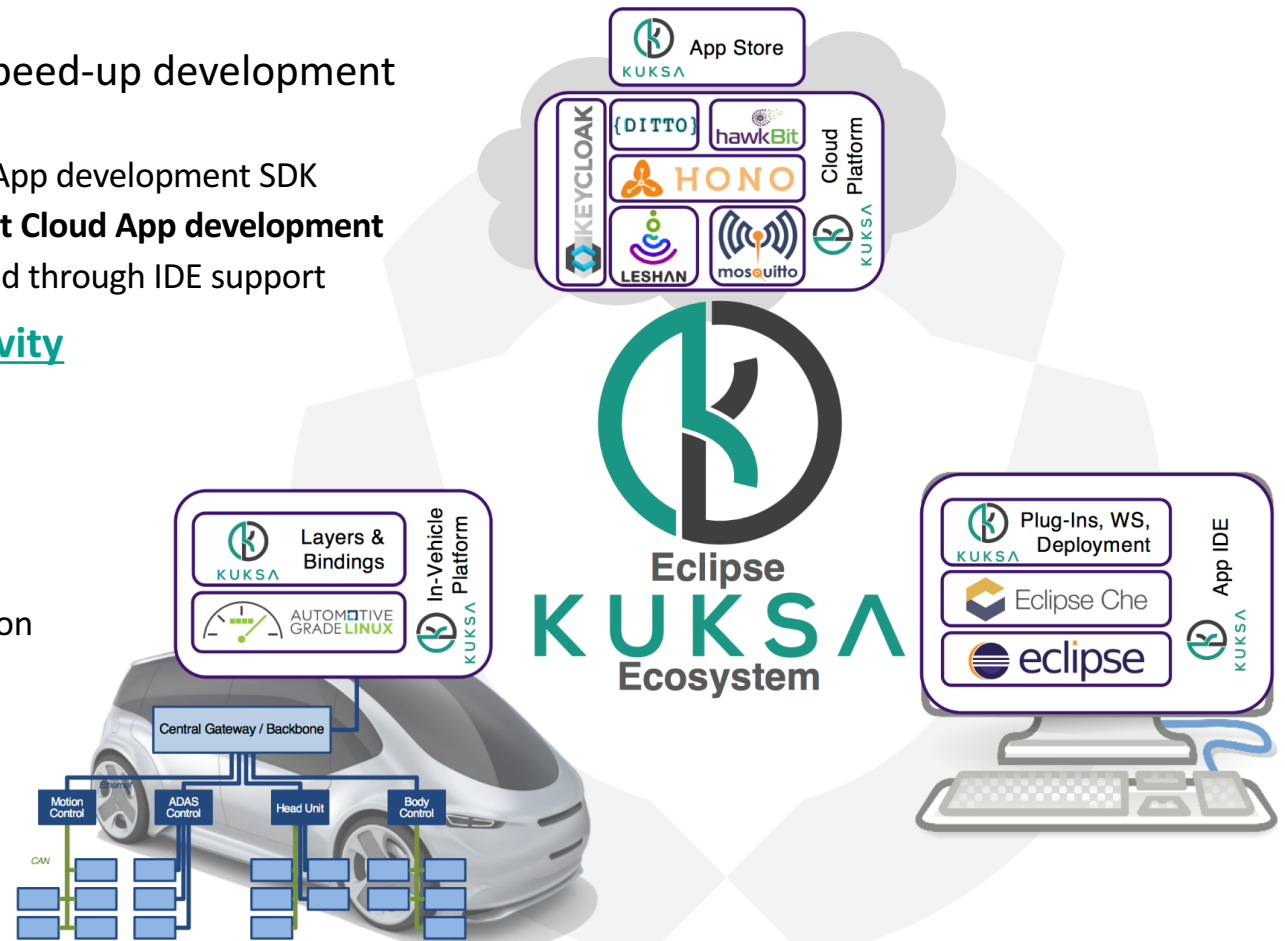
Introduction to the
Eclipse IoT Working Group

1. Project Overview
2. Project Statistics
3. Key Challenges (+)
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Eclipse Kuksa

Open Source Connected Car Platform

- Eclipse-Che-based **App IDE** to simplify & speed-up development activities
 - Use & enhance Automotive Grade Linux (AGL) App development SDK
 - Full-blown IDE for **Kuksa-AGL App & Springboot Cloud App development**
 - Simplify the usage of automotive APIs integrated through IDE support
- Service enablers for **car-to-cloud connectivity**
 - Network infrastructure considerations
 - Next generation mobile networks e.g. 5G
- Open source **in-vehicle platform**
 - Safe and secure gateway to the cloud
 - In-vehicle data access mechanism and application platform
- Establishment and use of **standardized vehicle IoT and Cloud interfaces** to and from the vehicle



Project Background & Statistics



Based on publicly funded ITEA3 APPSTACLE project

- **Advisory board:**

- VW, Daimler

- **Consortium members:**

- Industry: Ericsson (overall project lead), Bosch, NXP, BHTC, Otokar ...
- SMEs: SecurityMatters, Technolution, LinkMotion, ...
- Research: TU Eindhoven, Uni Paderborn, Fraunhofer IEM, FH Dortmund, Uni Oulo

- **Interested parties:**

- Automotive Grade Linux



Initial contribution
Q1/2018

- × No downloads
- × No bugs
- × No mailing list subscribers

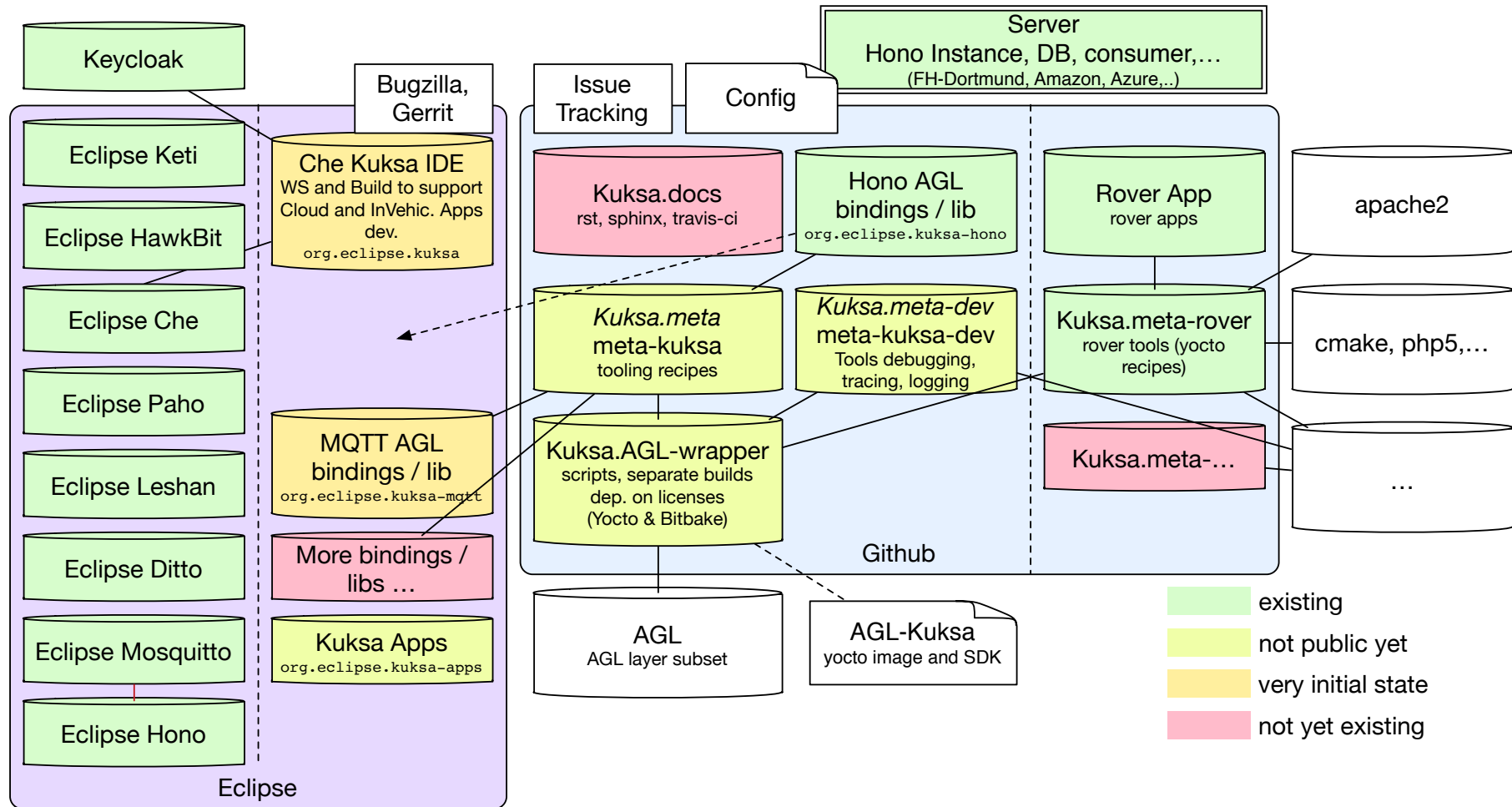
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Kuksa Dev Architecture



Possible Cooperations

Eclipse



Non-Eclipse

- Keycloak
- AGL

Companies / Organizations

- Bosch
- NXP
- Ericsson
- ...

Project Plan

- Bi-yearly releases
- Release cycle for the cloud platform is planned to be every 6 months (Kuksa 0.2 by Q3 2018, etc.)
- With the end of the publicly funded APPSTACLE project, the first major release Eclipse Kuksa 1.0 is expected
- Advisory board and further industrial use highly in focus to build and strengthen Kuksa community
- Continuous growth and maintenance of Eclipse Kuksa after end of APPSTACLE project driven by partners