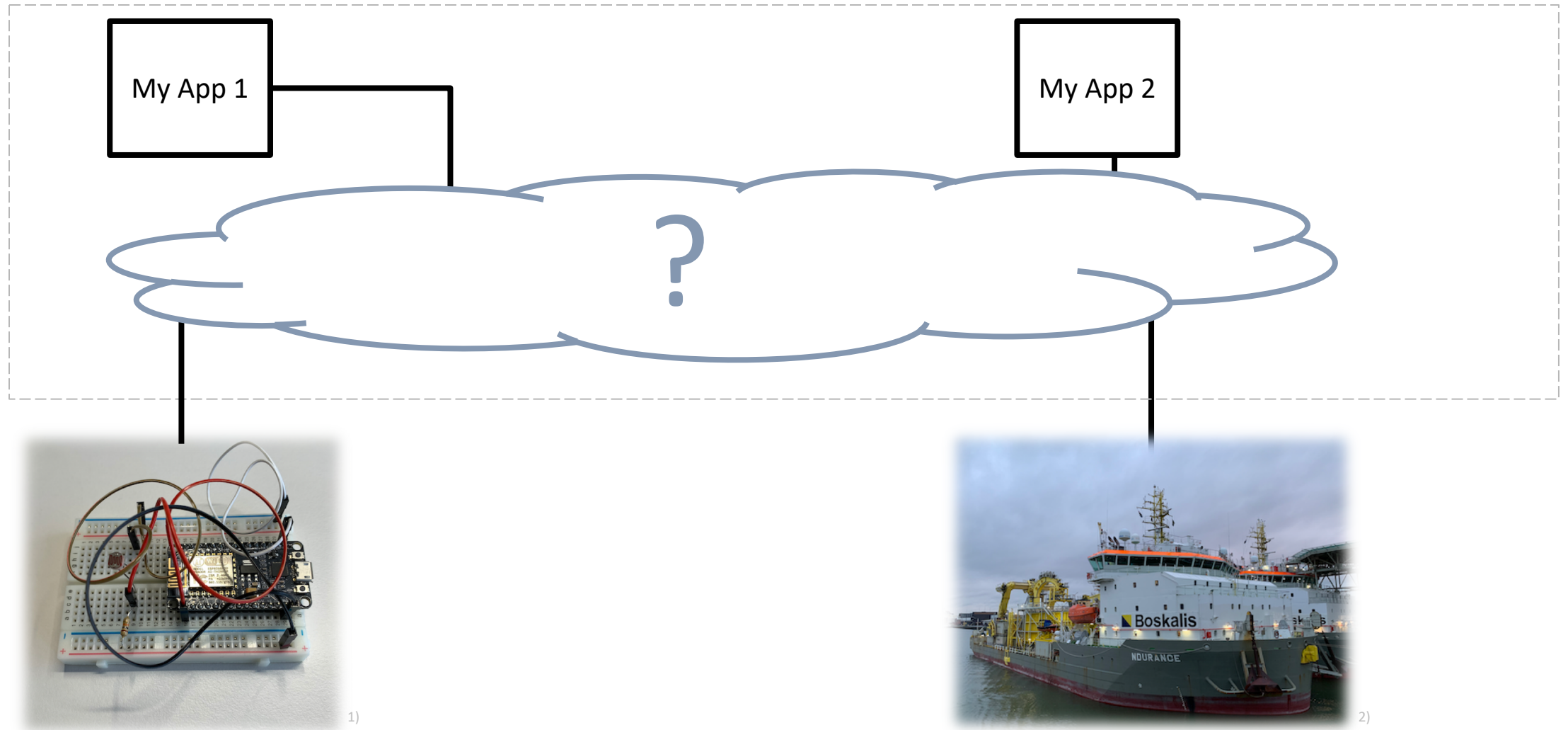


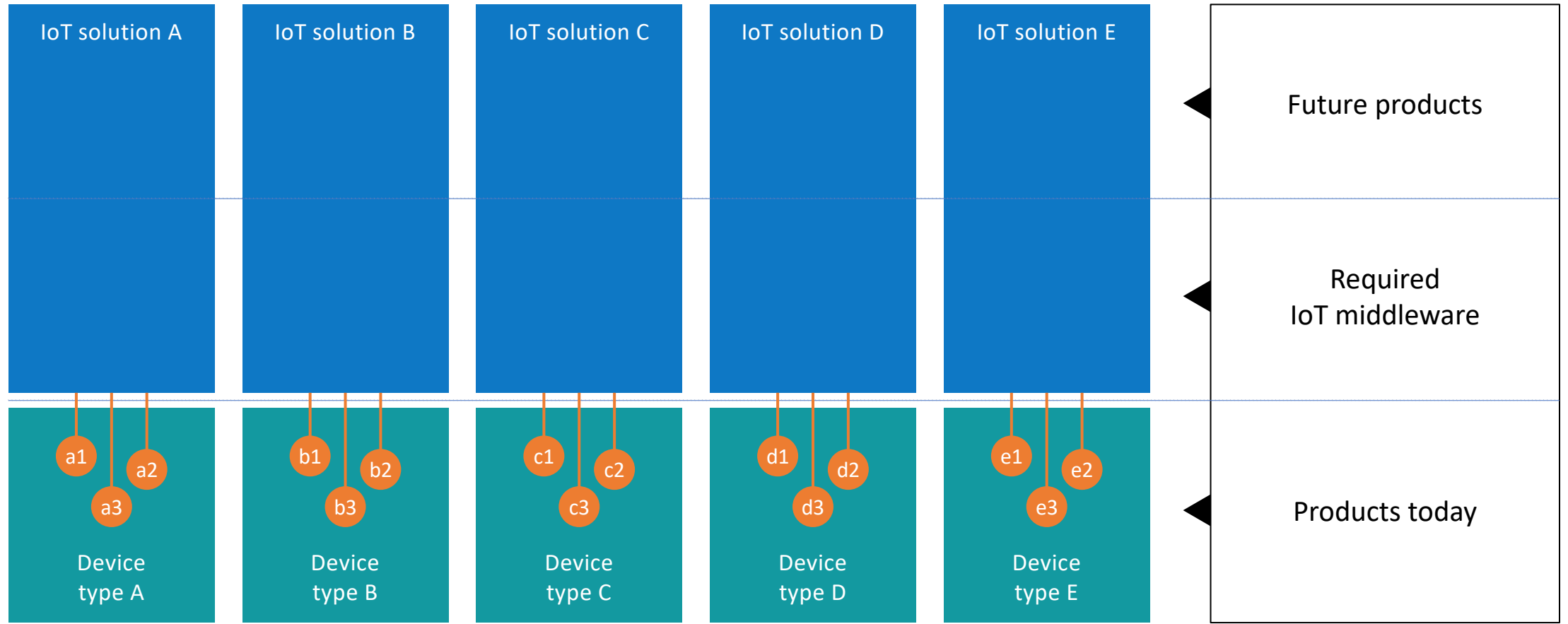
Building IoT solutions with Eclipse IoT technology

Sven Erik
Jeroschewski
Bosch.IO GmbH

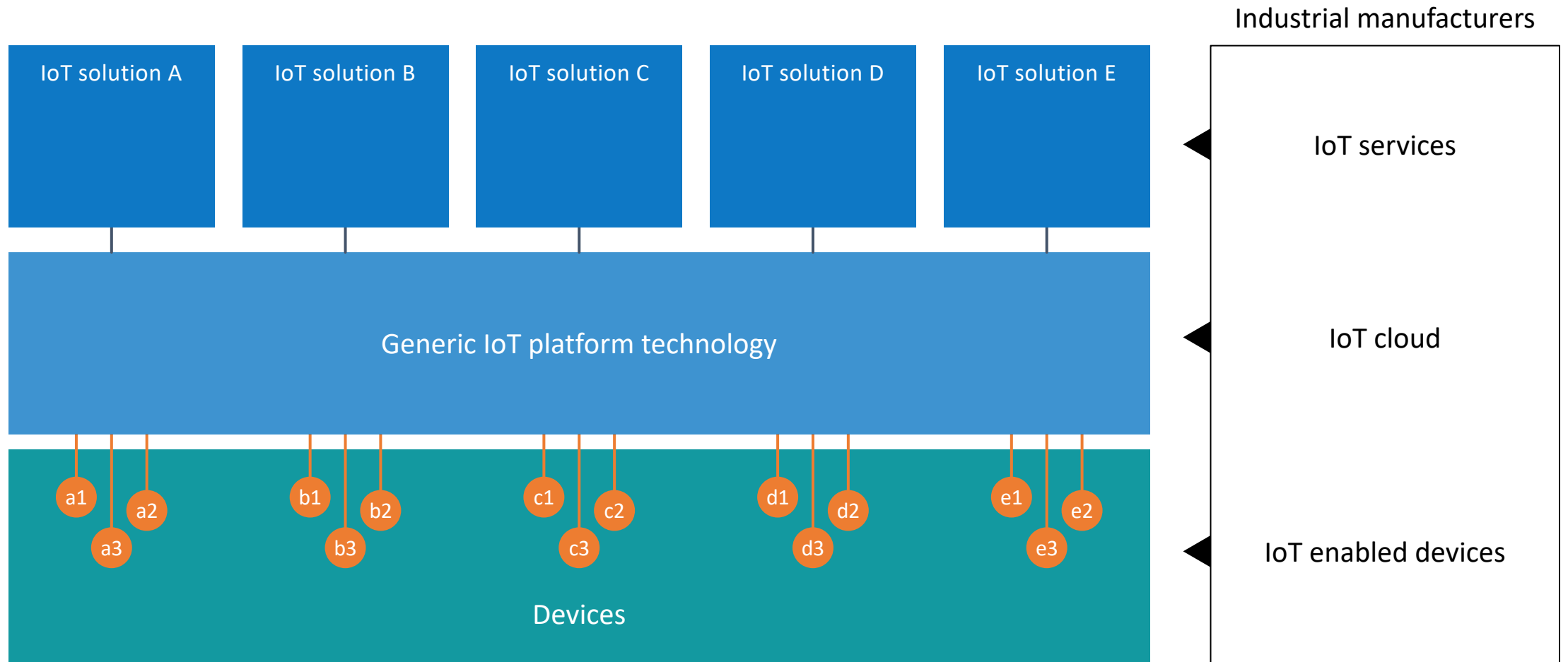
Backend for IoT Solutions



People build silos



Better provide generic solutions

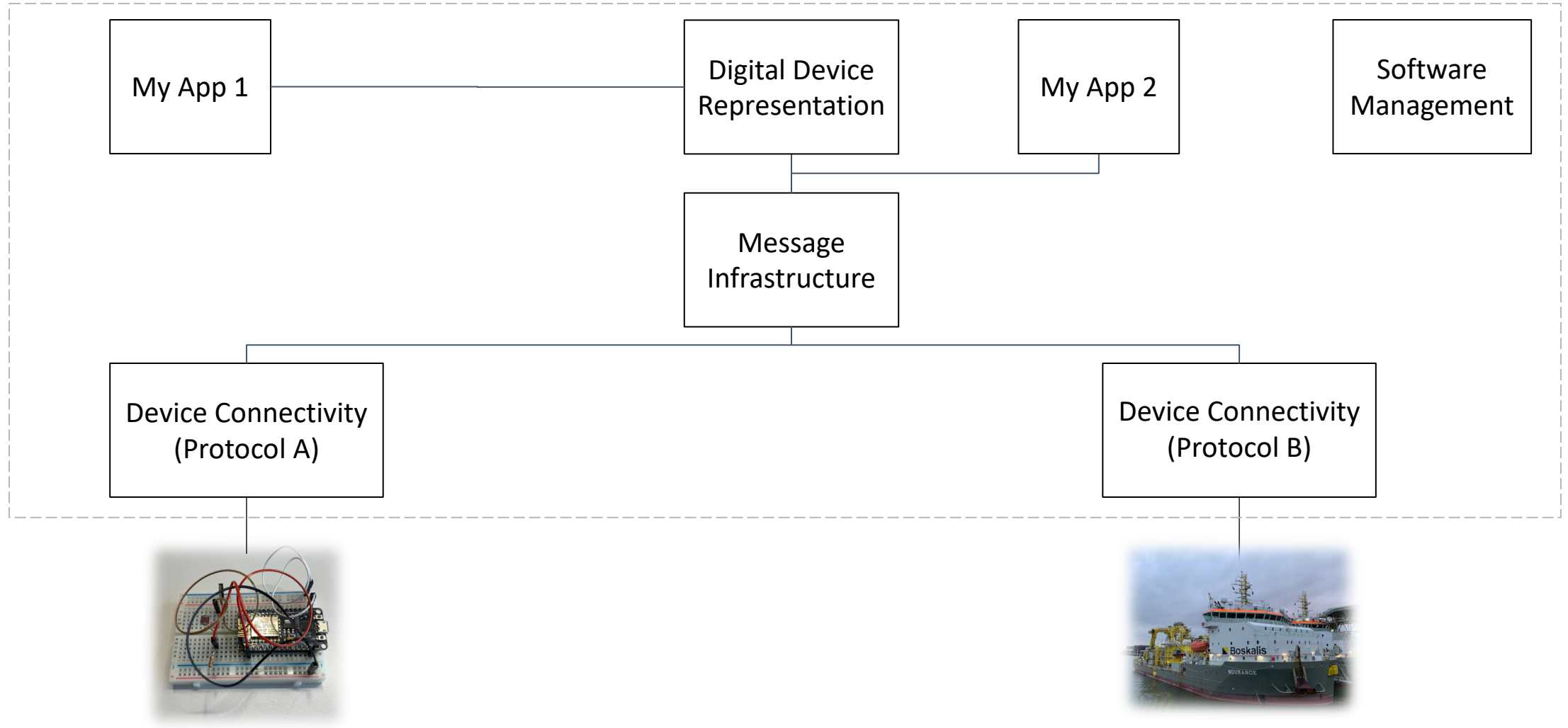


Eclipse IoT™

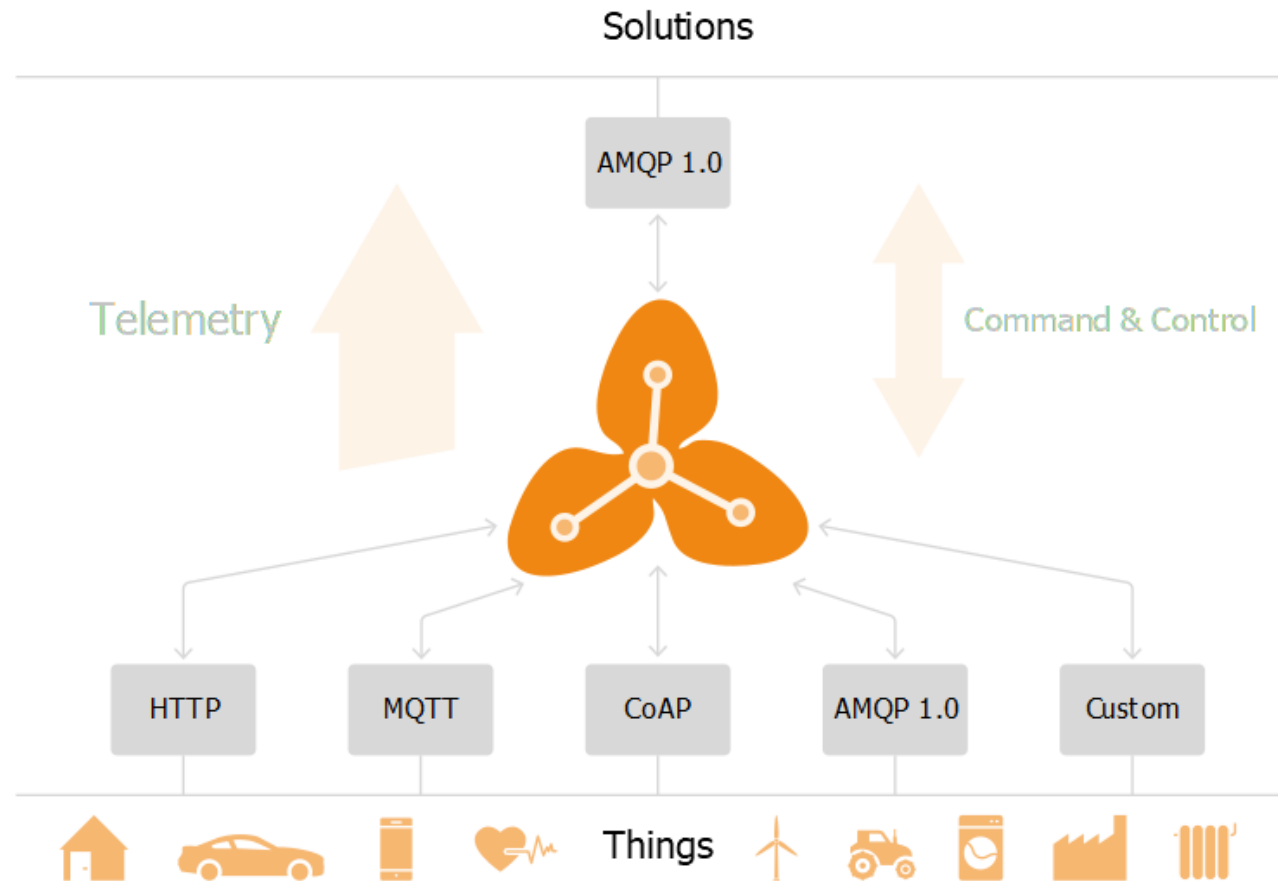
- Working group within the Eclipse Foundation
- Over 30 projects and 300+ developers
- Strategic members: RedHat, Eurotec, Bosch.IO
- Focus on Constrained Devices, Gateways and IoT Cloud Platforms



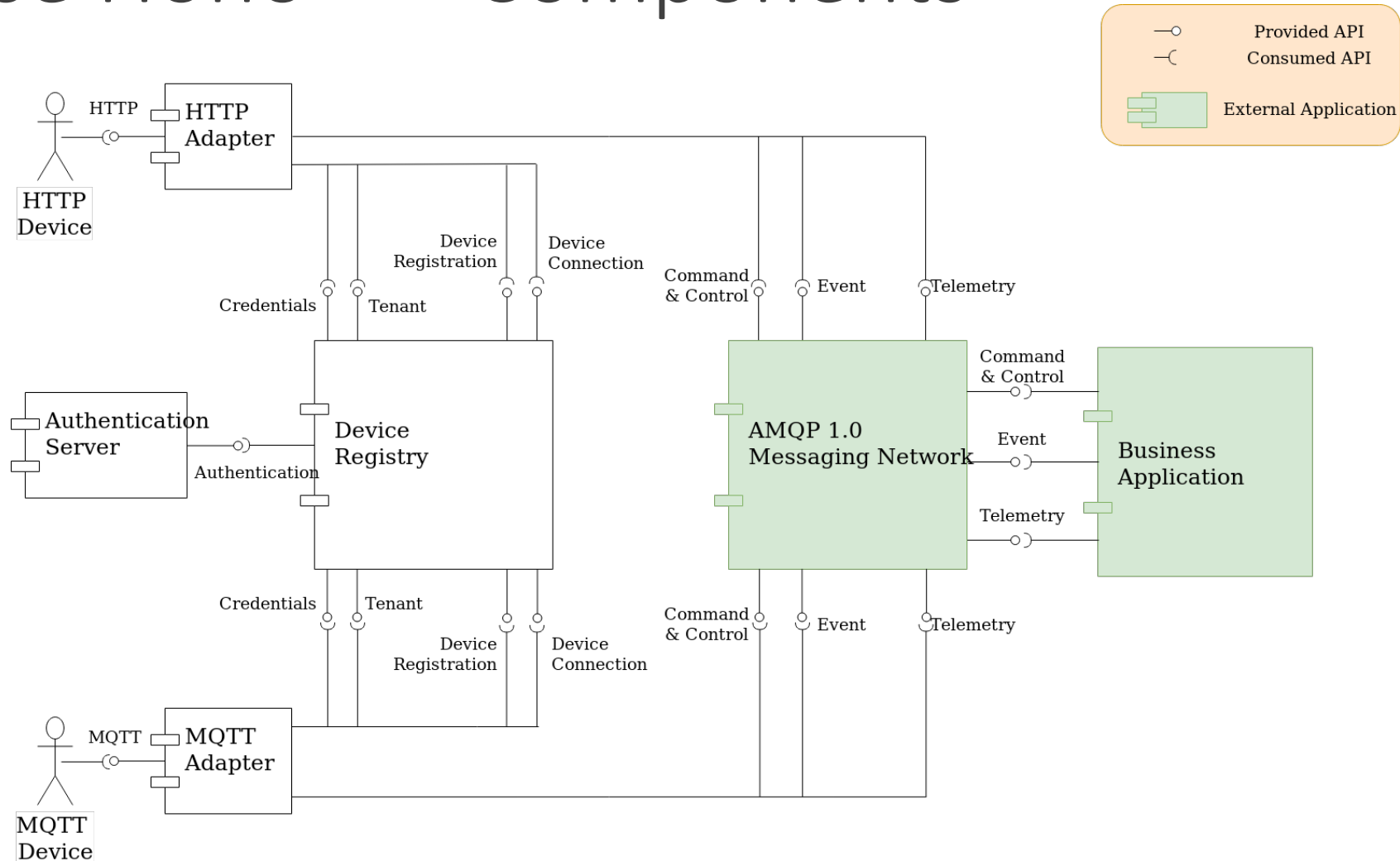
Possible IoT Cloud



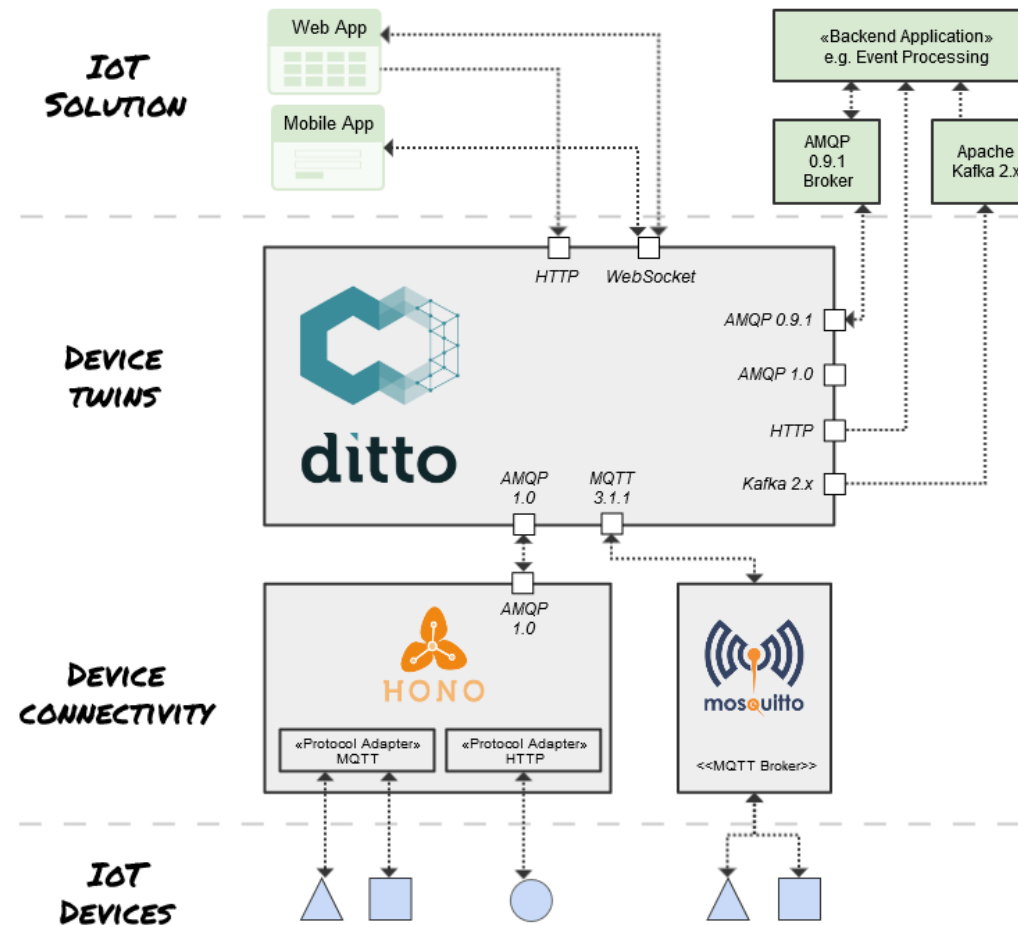
Device Connectivity: Eclipse Hono™



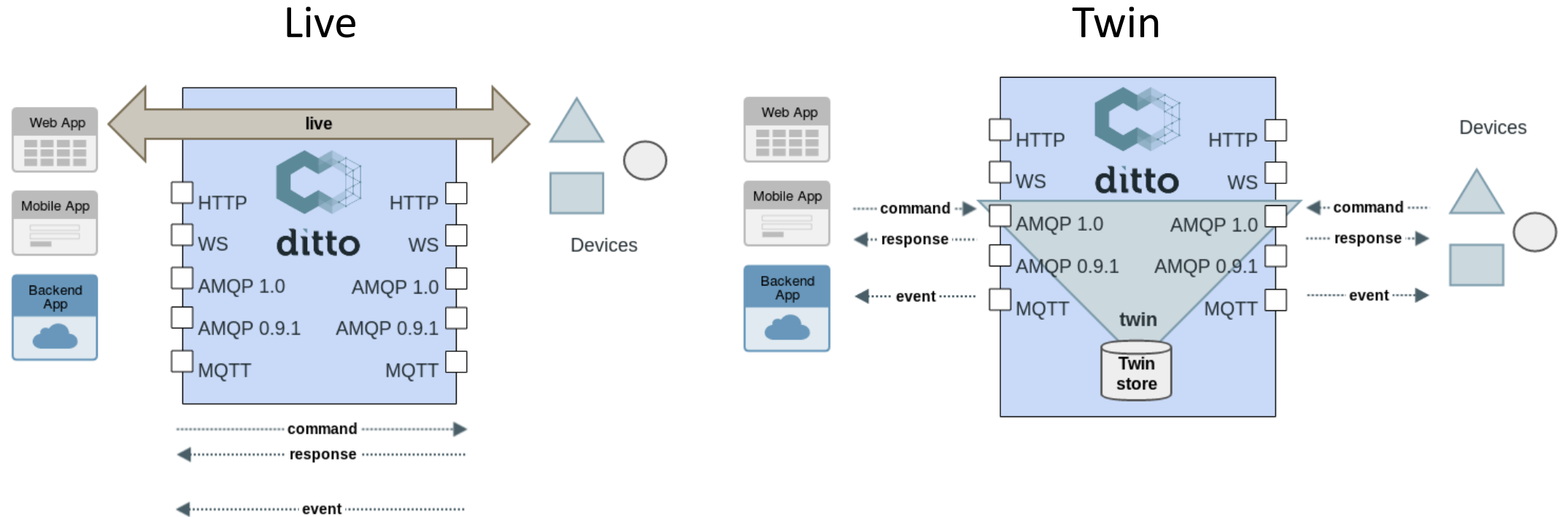
Eclipse Hono™ - Components



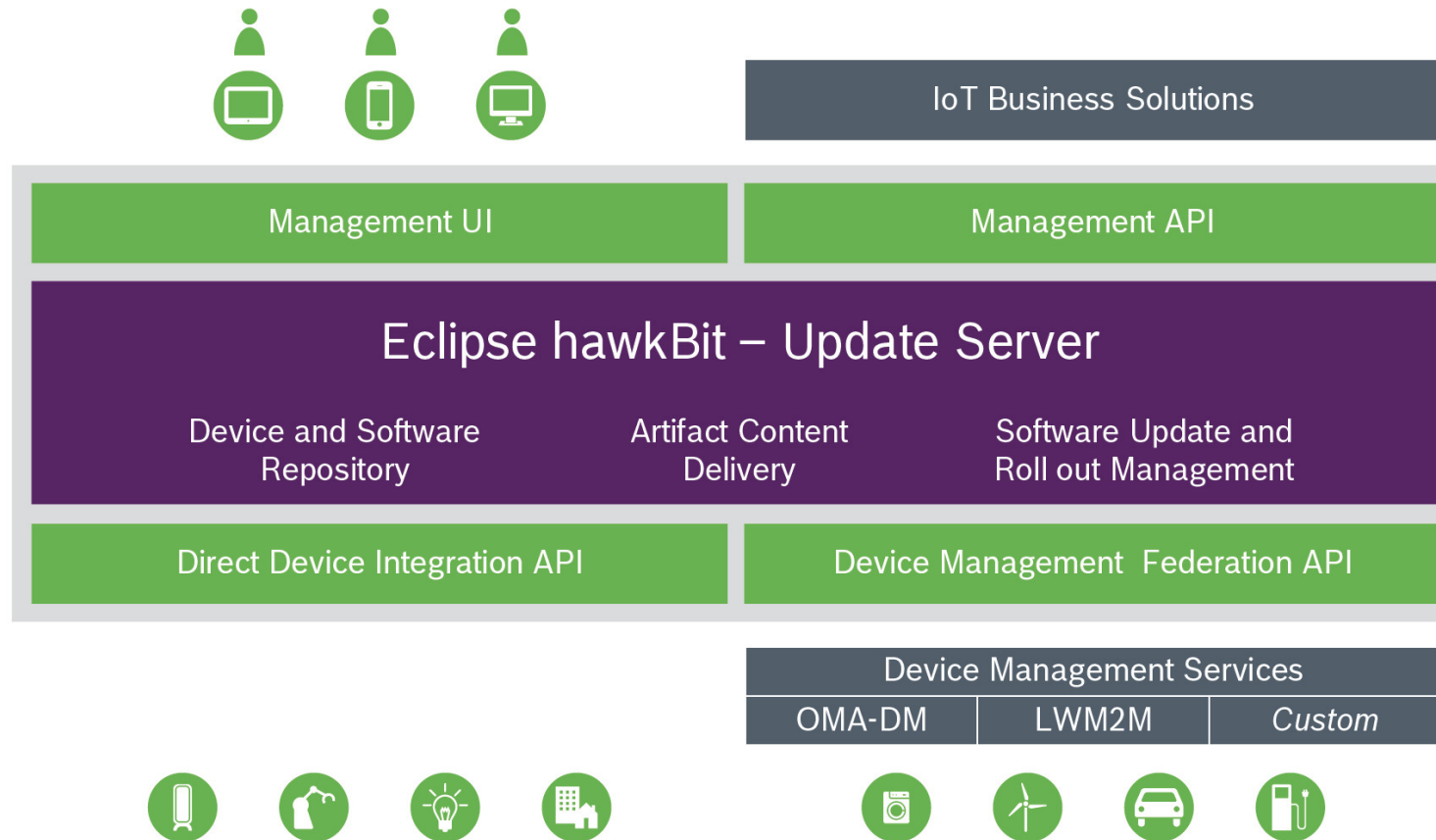
Digital Device Representation: Eclipse Ditto™



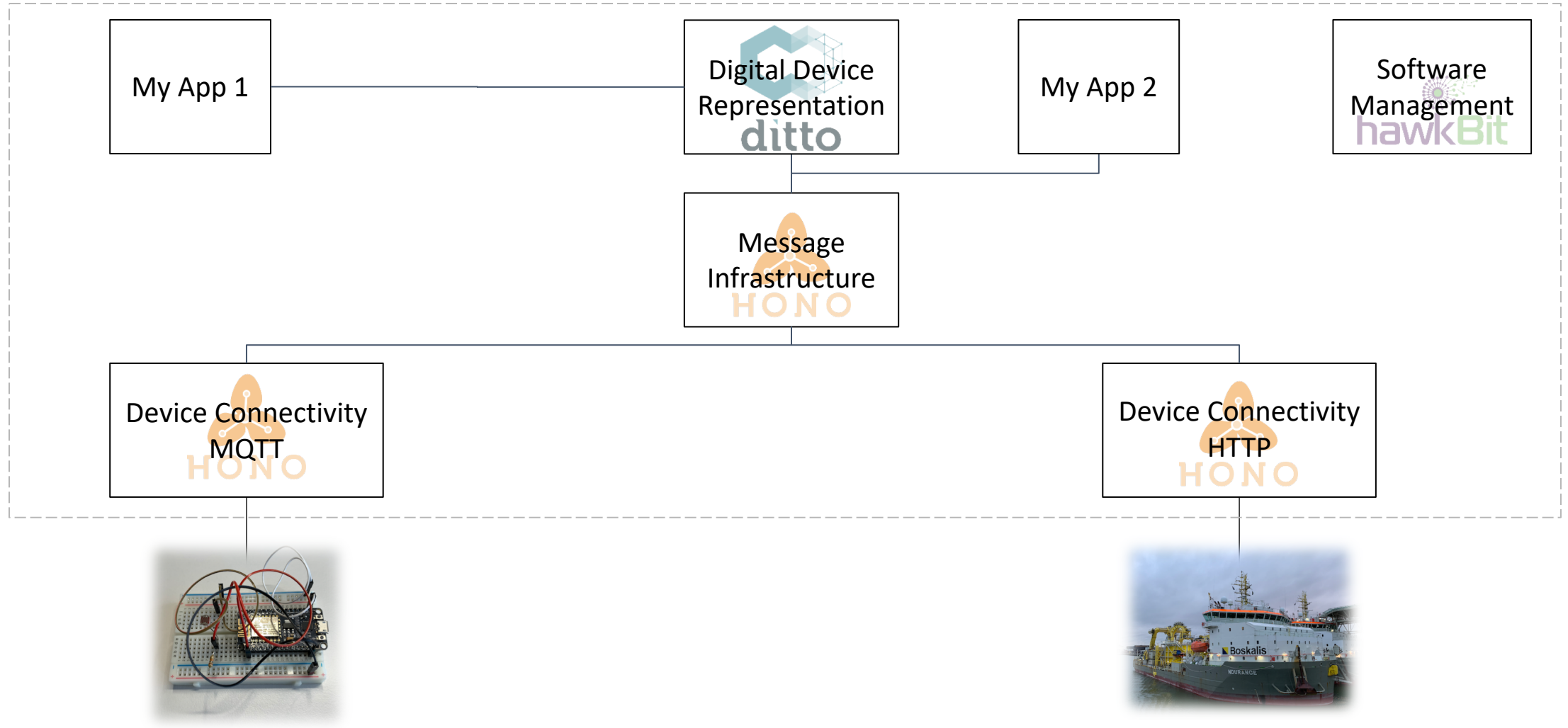
Eclipse Ditto™ – Twin or Live



Software Management: Eclipse hawkBit™



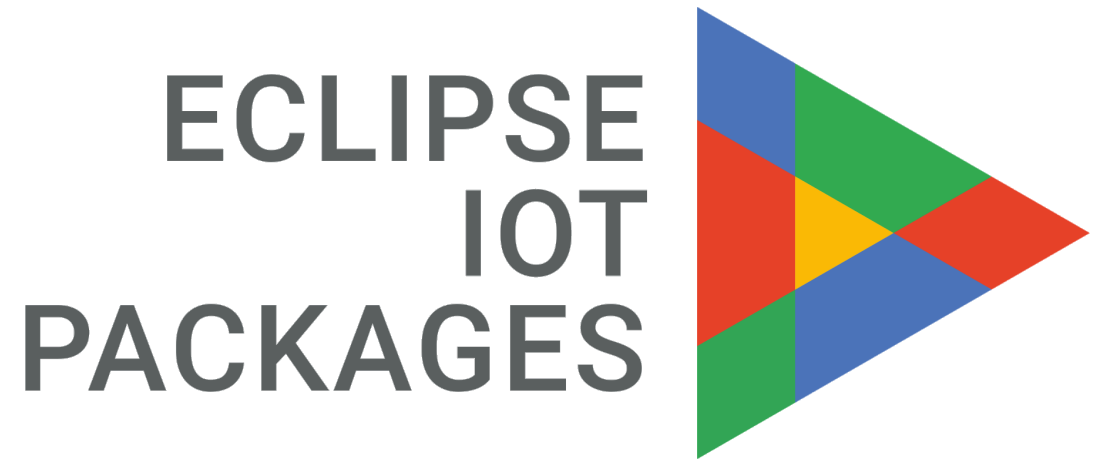
IoT Backend with Eclipse IoT



Eclipse IoT Packages TM

Mission: “IoT Packages is an effort by the Eclipse IoT working group, to create easy to deploy Eclipse IoT based, end-to-end scenarios, on top of Kubernetes and Helm”

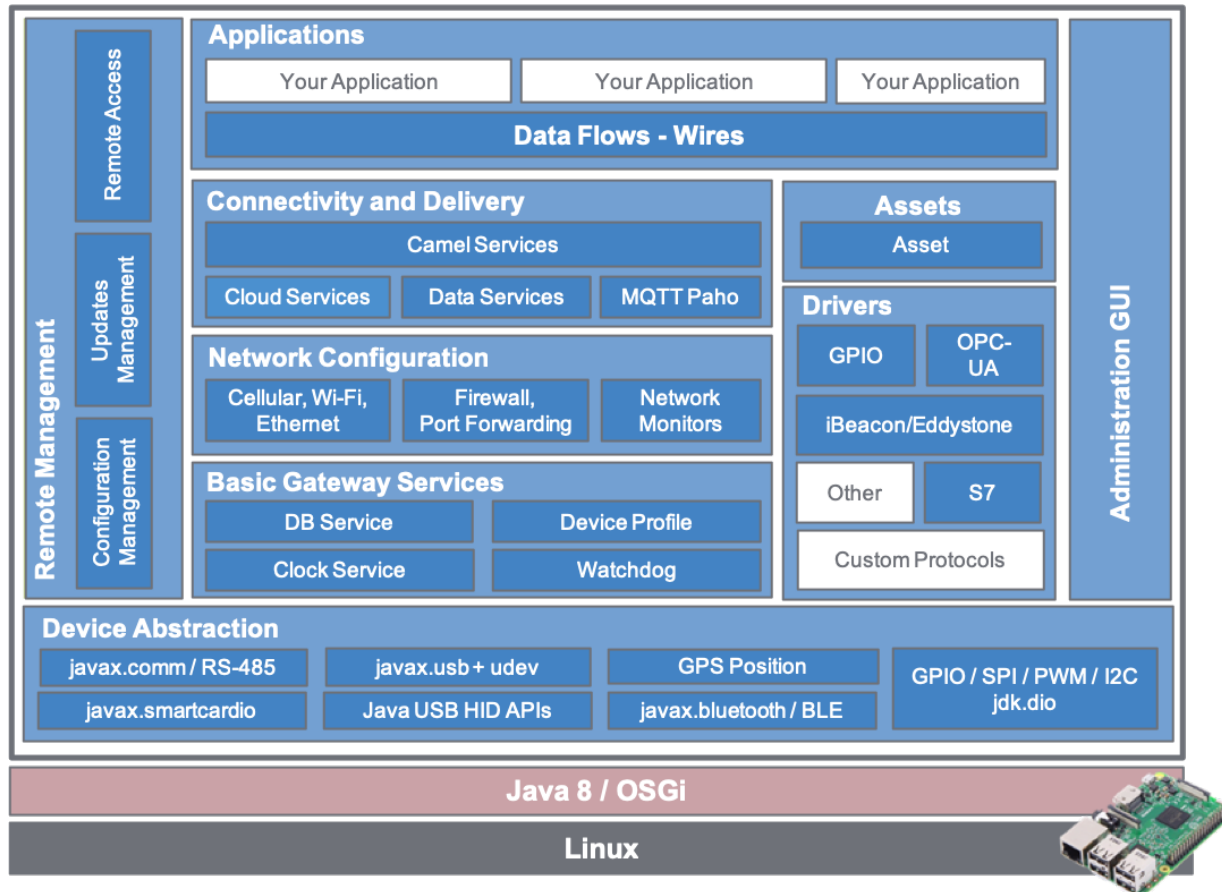
- Provides multiple Eclipse IoT Projects as bundle
- Package Zero: Eclipse Hono, Eclipse Ditto, Eclipse hawkBit
 - Still in early phase but promising



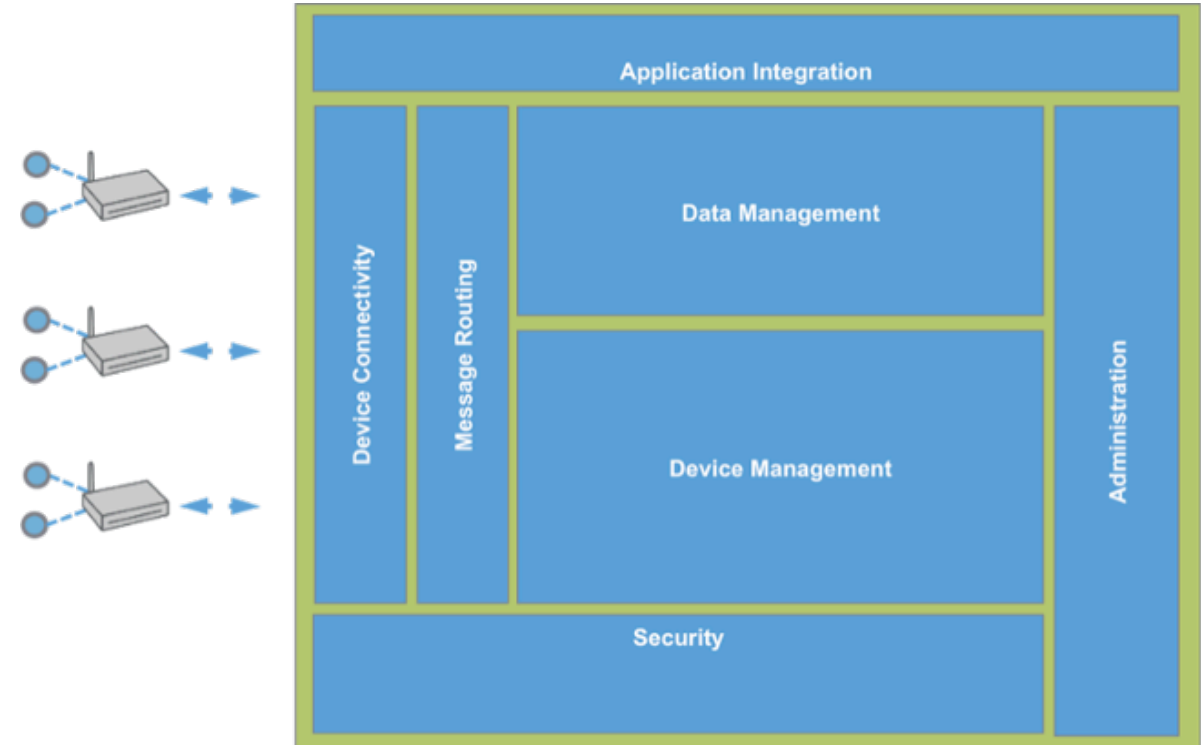
Demo Time

Further Projects

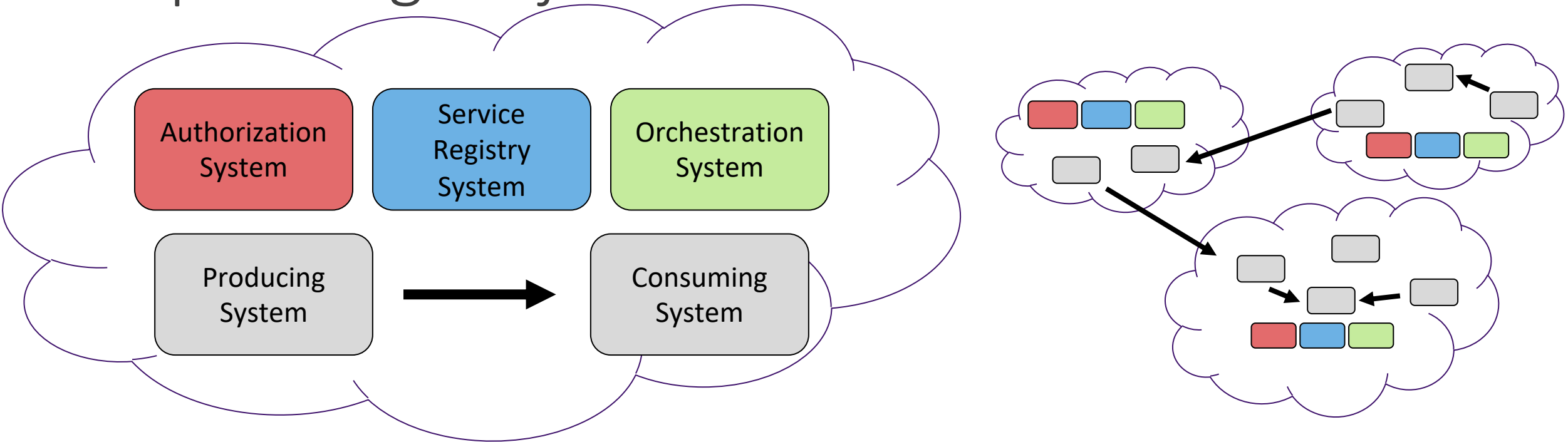
Eclipse Kura™



Eclipse Kapua™



Upcoming Project: Arrowhead Framework



- Arrowhead Framework: Service Oriented Architecture for industry to form systems of systems building “local clouds”
- Developed within ECSEL-JU Arrowhead Tools research Project
 - 81 Partners from 18 countries
- Currently in Proposal phase for new Eclipse Project to bundle results

Questions, Confusions?

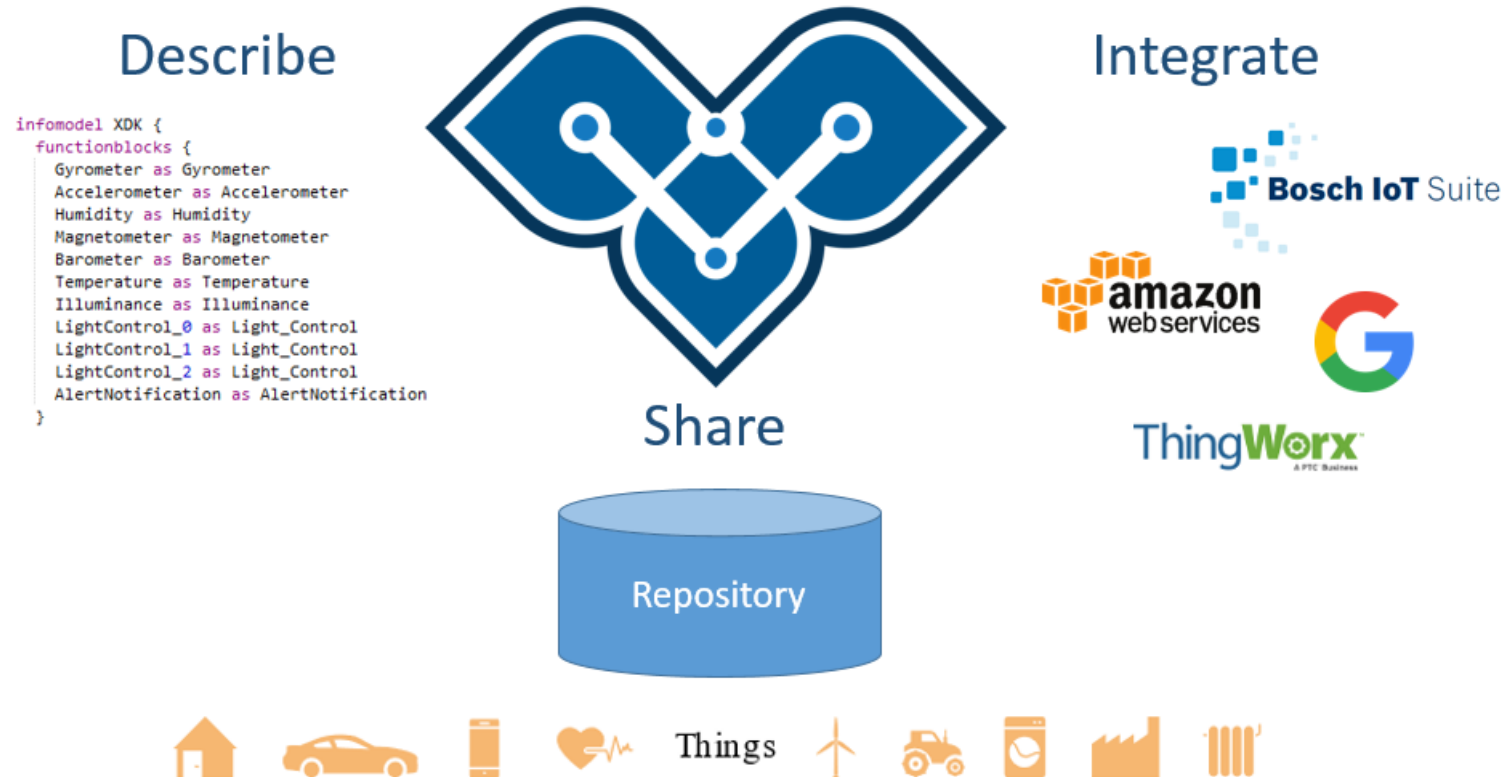


Thank You!



Backup

Eclipse Vorto



Eclipse Vorto Repository



Vorto Repository ^{BETA}

[Explore](#)

[Plugins](#)

[HTTP API](#)

[What is Vorto?](#)

[Getting Started](#)

[Login](#)

[Explore](#) / [Model Details](#)



SimpleIlluminance InformationModel

Model Info

Comments

No image Yet

State: Released

ID: com.bosch.iotacademy.tutorial:SimpleIlluminance:1.0.0

Name: SimpleIlluminance

Description: Information Model for SimpleIlluminance

Display Name: SimpleIlluminance

Namespace: com.bosch.iotacademy.tutorial

Version: 1.0.0

Visibility: Public

Created By: jacewski

Created On: 2019-07-22 11:00

Last Modified By: jacewski

Released Date: 2019-07-24 17:28

References: [Show References](#)

Used By: Not referenced by any model

Downloads: [Vorto DSL](#) [JSON Schema](#)

Official Plugins



Bosch IoT Suite



Eclipse Ditto



Eclipse Hono



OpenAPI

© 2019 Eclipse Foundation and its contributors.
Made available under the Eclipse Public License
v2.0

[Copyright Agent](#) [Legal](#) [Terms of Use](#) [Privacy](#)

