

Eclipse Hono

Project Update ECE2017

<https://www.eclipse.org/hono>

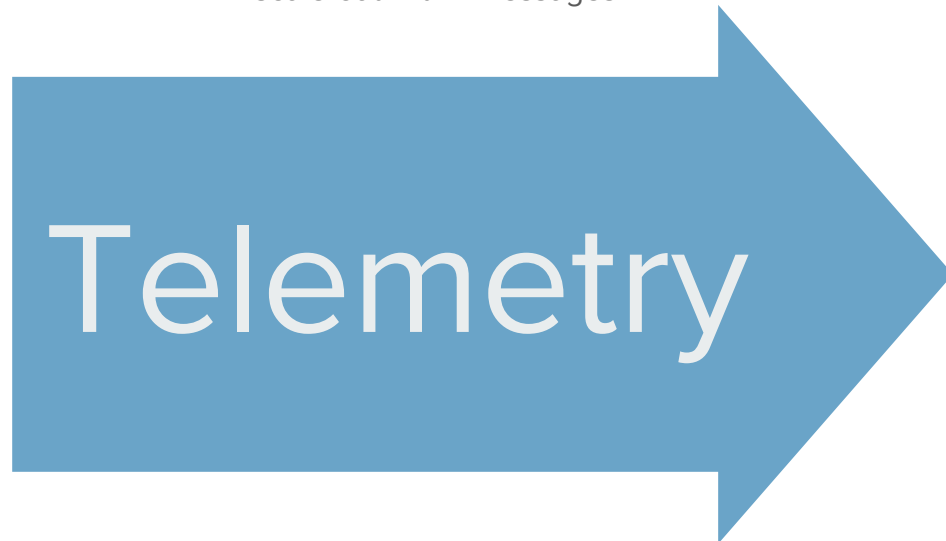
Overview

Eclipse Hono provides a **uniform API** for interacting with **millions of devices** connected to the cloud via **arbitrary protocols.**



HONO

optimized for throughput
scale-out with #messages



Things

many existing protocols
HTTP, MQTT, CoAP
etc

Cloud

arbitrary providers &
deployment options



optimized for reliability
scale-out with #devices

Stats

Inception	Feb 2016
Committers	7 (+80%)
Contributors	17 (+100%)
Commits (since Oct 2016)	~750 (+100%)
PRs (since Oct 2016)	165

Release Plan

Version	Date	Content
0.5-M10	Oct. 23rd	bug fixes
0.5	Nov. 13th	Telemetry, Event Tenant based authorization Authentication of Devices Horizontal Scalability
...		Centrally managed AuthZ/N
...		CoAP, integration with Kafka
1.0	Jun 2018	Command & Control

Challenges

- Finding collaborators having similar need
- Integration with existing (cloud) technology
- Consistent authentication & authorization
- Scalable messaging
- Testing at cloud scale

Opportunities for Collaboration

