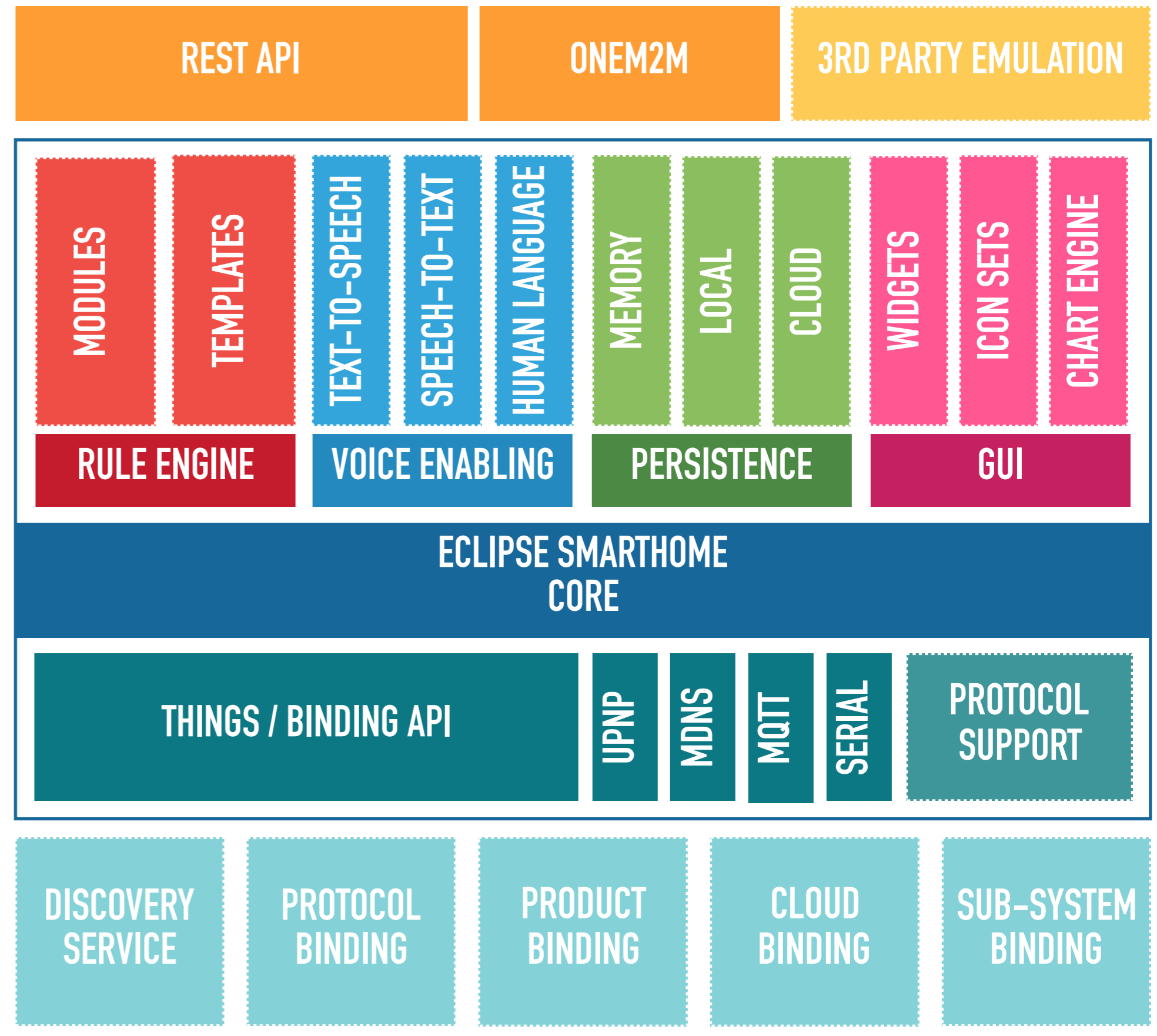




Project Update EclipseCon Europe 2017

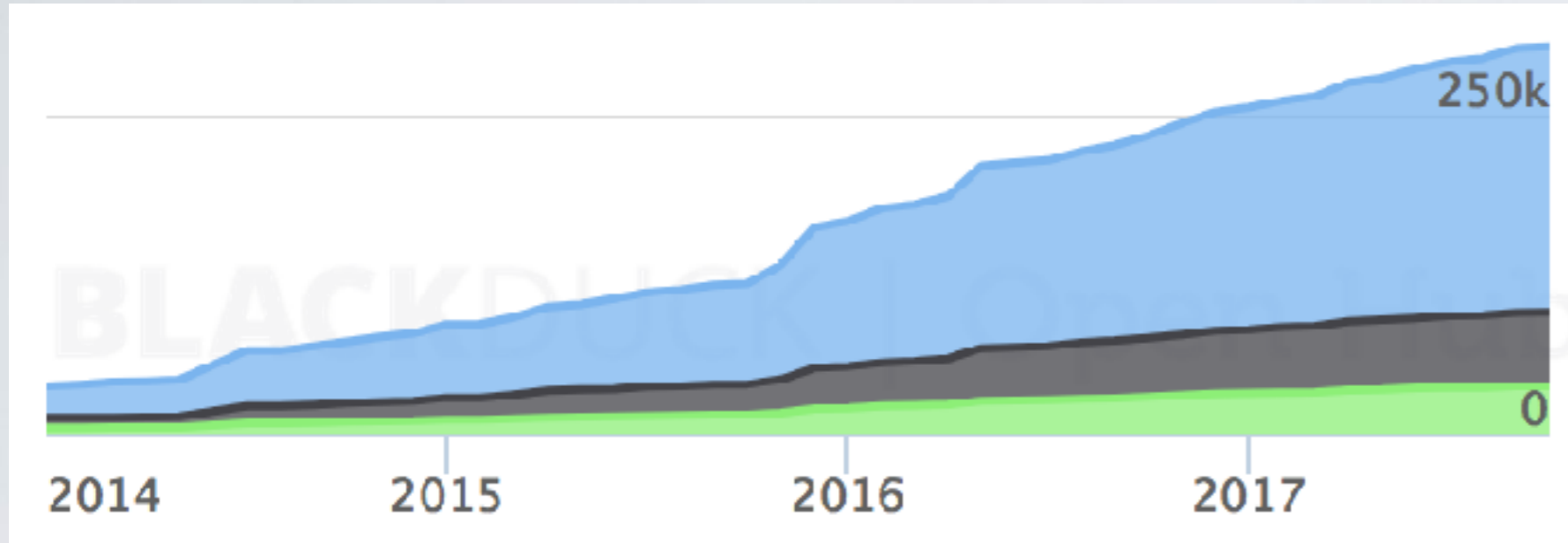
Kai Kreuzer — Eclipse SmartHome Project Lead

ARCHITECTURE



 Extension Points

Statistics



209k LOC

562 Forks

121 Contributors

Oct 2016

150k

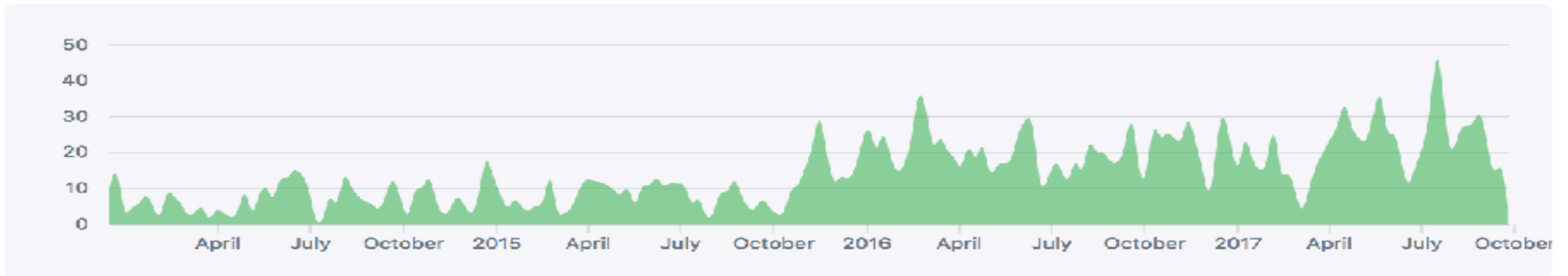
361

85

Jan 5, 2014 – Oct 17, 2017

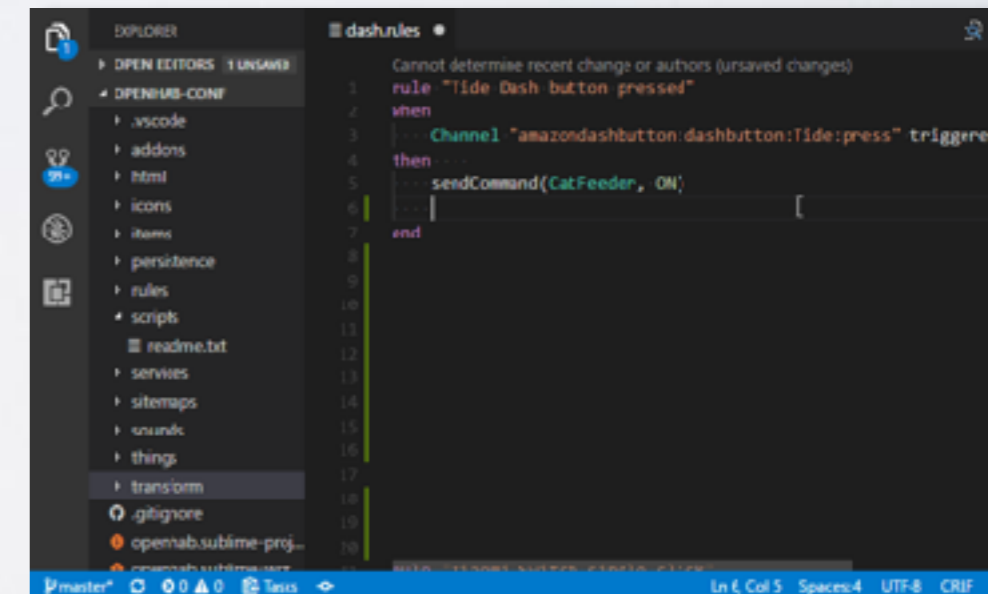
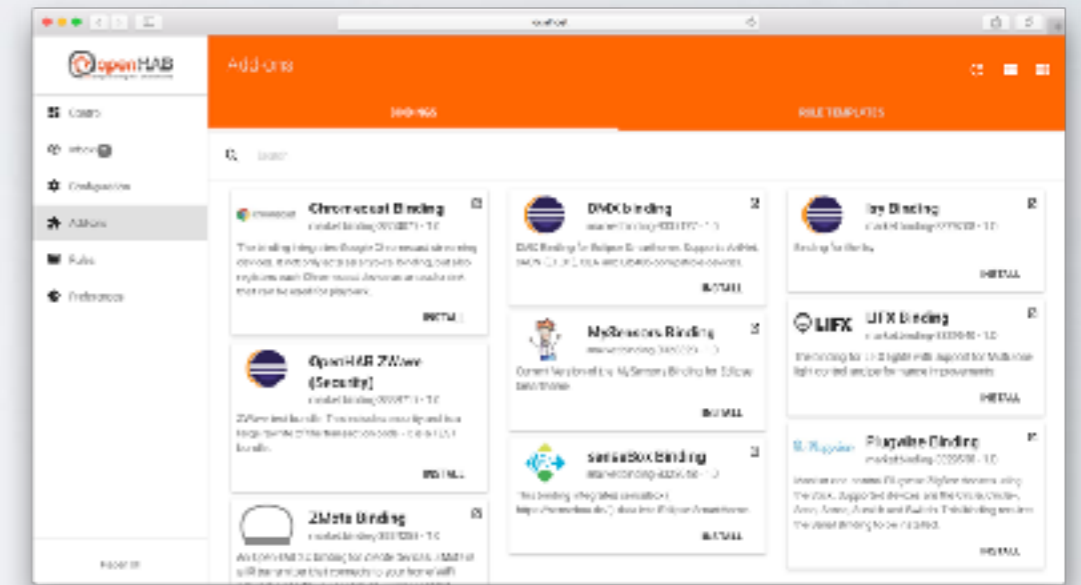
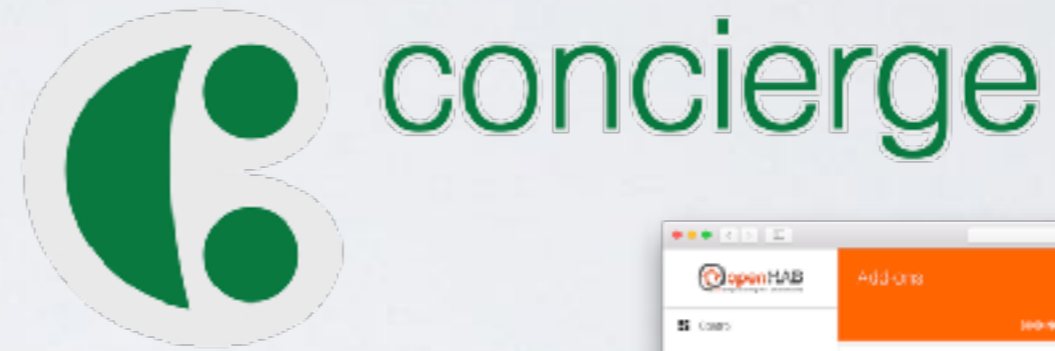
Contributions: **Commits** ▾

Contributions to master, excluding merge commits



NEW FEATURES IN 0.9.0

- Concierge Support
- Java 8
- Static Code Analysis
- Null Annotations
- IoT Marketplace Integration
- JSR223 Scripting (Python, Javascript...)
- Language Server Protocol support
- Units of Measurement support



CHALLENGES

- Bad committer vs. contributor ratio
- Complex technology stack (OSGi, EMF, Xtext)
- Java is not in focus for many IoT players and situation gets worse with Oracle abandoning Java Embedded
- Restrictive IP on protocol specs (Z-Wave, Zigbee,...)

COLLABORATION OPPORTUNITIES

- Sample lightweight distro using Eclipse Concierge
- OM2M integration for oneM2M compatibility
- Thingweb & Vorto for semantic service descriptions
- Ditto for a cloud-based representation
- Kura & Agail for BLE
- Kura & Agail for ZigBee



THANK YOU!



@smarthome