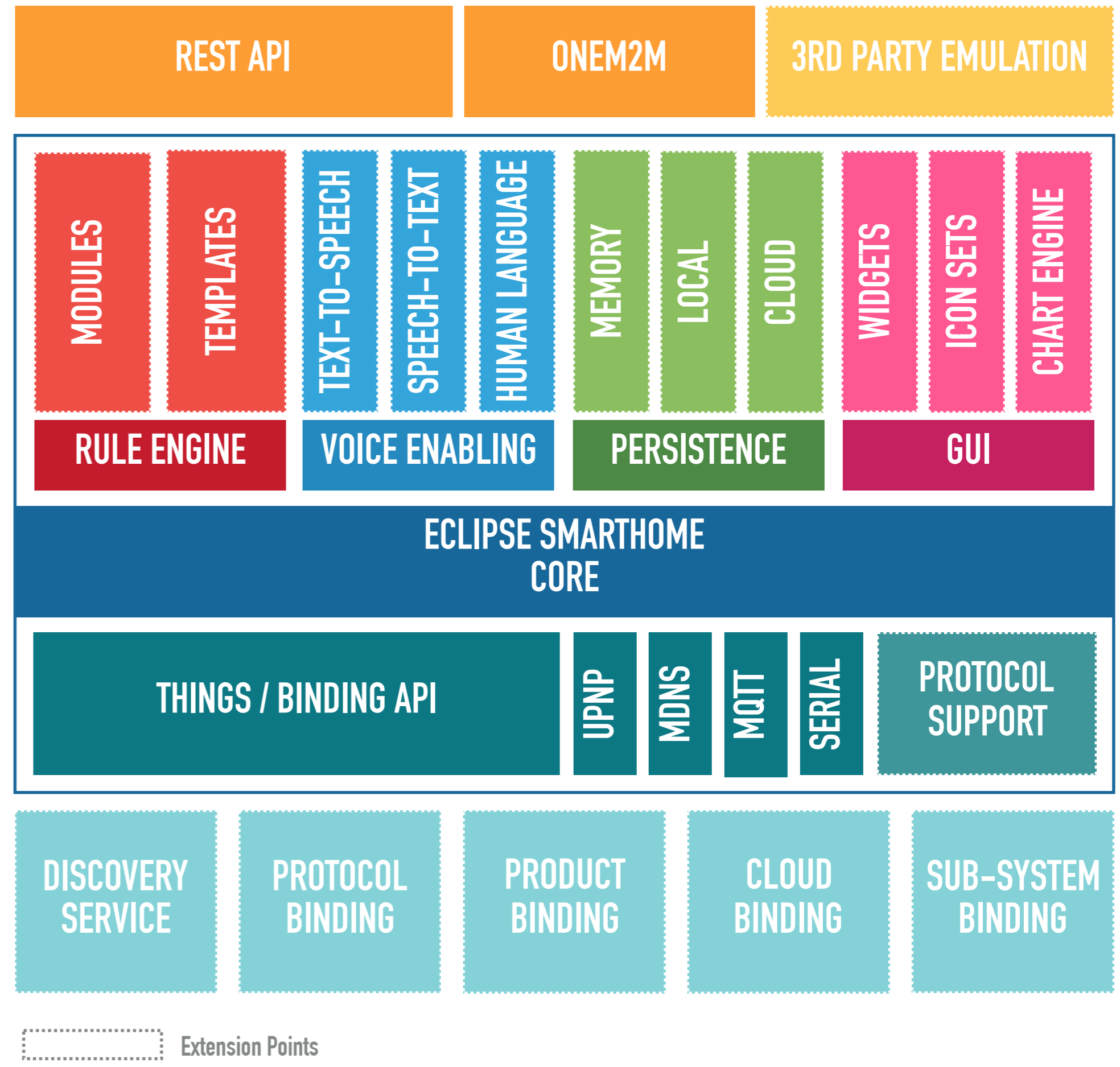




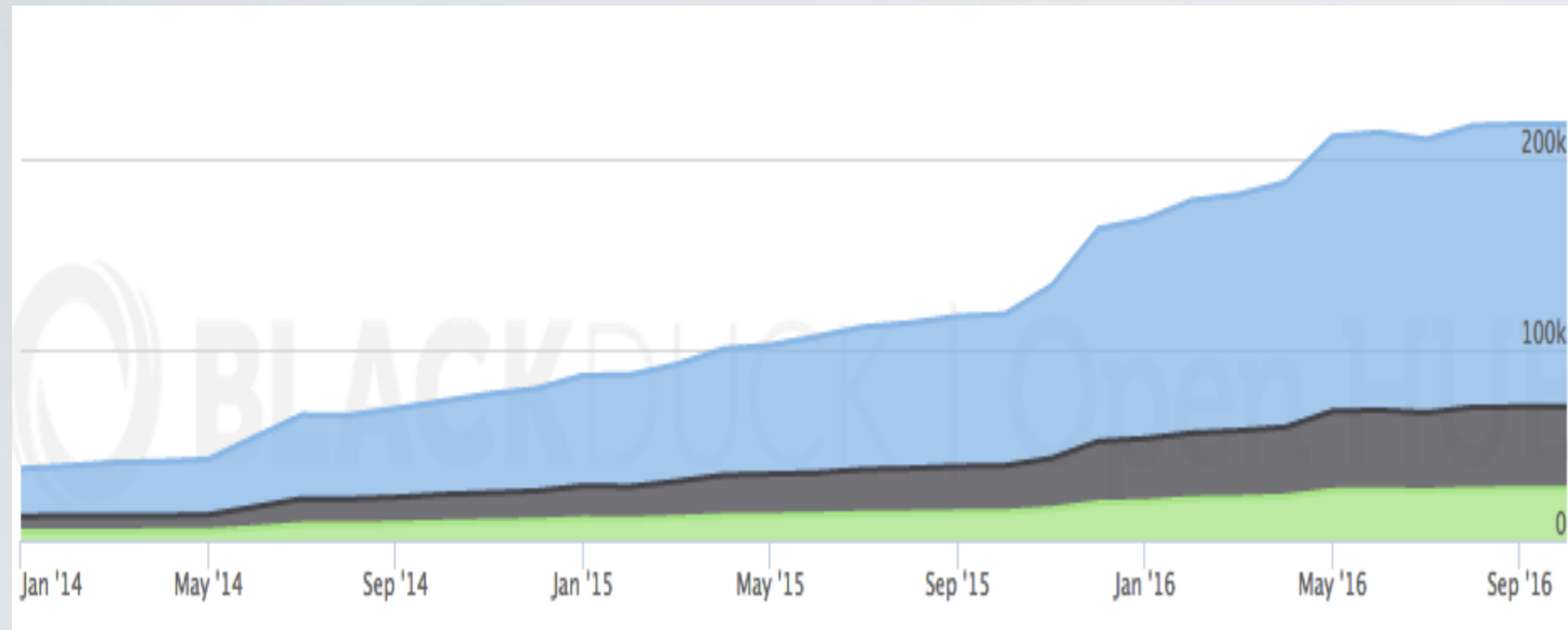
## **Project Update EclipseCon Europe 2016**

Kai Kreuzer — Eclipse SmartHome Project Lead

# ARCHITECTURE



# Statistics



150k LOC

361 Forks

85 Contributors

Oct 2015

80k

191

39

Jan 5, 2014 – Oct 22, 2016

Contributions to master, excluding merge commits

Contributions: **Commits** ▾



# 0.8.0 RELEASE IN 06/2016

- REST API + Server-sent Events (SSE)
- AngularJS Admin UI (Paper UI)
- new modular Rule Engine Framework
- Device support: Sonos, LIFX, WeMo, digitalSTROM

# COMMUNITY – AVAILABLE BINDINGS

Binding	Description
Astro	The Astro binding is used for calculating many DateTime and positional values for sun and moon.
Autelis Pool Control	Autelis manufactures a network enabled pool interface for many popular pool systems. See the <a href="#">Autelis website</a> and the <a href="#">Autelis Command Protocol</a> for more information.
AVM FRITZ!	The binding integrates the AHA (AVM Home Automation) system.
digitalSTROM	This binding integrates the <a href="#">digitalSTROM-System</a> .
DSC Alarm	This is an OpenHAB binding for a DSC PowerSeries Alarm System utilizing the EyezOn Envisalink 3/2DS interface or the DSC IT-100 RS-232 interface.
Feed	This binding allows you to integrate feeds in the OpenHAB environment.
Freebox	This binding integrates the <a href="#">Freebox Revolution</a> to your openHAB installation.
FS Internet Radio	This binding integrates internet radios based on the <a href="#">Frontier Silicon</a> chipset.
Logitech Harmony Hub	The Harmony Hub binding is used to enable communication between openHAB2 and multiple Logitech Harmony Hub devices. The API exposed by the Harmony Hub is relatively limited, but it does allow for reading the current activity as well as setting the activity and sending device commands.
Hunter Douglas PowerView	This is an openHAB binding for the <a href="#">Hunter Douglas PowerView Motorized Shades</a> via the PowerView Hub.
Homematic	This is the binding for the <a href="#">eQ-3 Homematic Solution</a> .
Philips Hue	This binding integrates the <a href="#">Philips Hue Lighting</a> system.
IPP	This binding integrates printers, which implement the Internet Printing protocol (IPP). This is the successor of the CUPS binding.
Keba	This binding integrates the <a href="#">Keba KeContact EV Charging Stations</a> .
Kostal inverter	Scrapes the web interface of the inverter for the metrics of the supported channels below.
LIFX	This binding integrates the <a href="#">LIFX LED Bulb</a> . All LIFX bulbs are directly connected to the WLAN and the binding communicates with them over a UDP protocol.
Lutron	This binding integrates with <a href="#">Lutron</a> light control systems.
MAX!	This is the binding for the <a href="#">eQ-3 MAX! Home Solution</a> .
Meteostick	This is the binding for the <a href="#">Meteostick</a> weather receiver dongle. This is an RF receiver that can receive data directly from Davis weather devices (and others)
Millight	The openHAB2 Millight binding allows to send commands to multiple Millight bridges.
Netatmo	The Netatmo binding integrates the following Netatmo products :
Network	This binding allows to check, whether a device is currently available on the network.
NTP	The NTP binding is used for displaying the local date and time based update from an NTP server.
Onkyo	This binding integrates the Onkyo AV receivers.
OpenSprinkler	This binding allows allows basic control of the OpenSprinkler and OpenSprinkler FI (Plus) devices. Stations can be controlled to be turned on or off and rain sensor state can be read.
Orvibo	This binding integrates Orvibo devices that communicate using UDP. Primarily this was designed for S20 Wifi Sockets but other products using the same protocol may be implemented in future.
PioneerAVR Configuration	The binding can auto-discover the Pioneer AVRs present on your local network. The auto-discovery is enabled by default. To disable it, you can create a file in the services directory called pioneeravr.cfg with the following content:
Pulseaudio	This binding integrates pulseaudio devices.
RFXCOM	This binding integrates large number of sensors and actuators from several different manufactures through <a href="#">RFXCOM</a> transceivers.
RME	This binding integrates the RME RainManager rain water pump and management system
Samsung TV	This binding integrates the <a href="#">Samsung TV</a> s.
SMA Energy Meter	This Binding is used to display the measured values of a SMA Energy Meter device. It shows purchased and grid feed-in power and energy.
Sonos	This binding integrates the <a href="#">Sonos Multi-Room Audio</a> system.
Logitech Squeezebox	This binding integrates the <a href="#">Logitech Media Server</a> and compatible Squeeze players.
Systeminfo	System information Binding provides operating system and hardware information including:
Tesla	This binding integrates the <a href="#">Tesla Electrical Vehicle</a> .
Somfy URTSI II	The addressable Universal RTS Interface II (URTSI II) can be used to communicate between home automation or other third party systems and SOMFY's RTS Motors and controls. It is capable of individual or group control, and can be operated via infrared remote, RS232 and RS485 serial communication. Once an input is activated, an RTS radio command is sent to the automated window treatment.
vitotronic	Viessmann heating systems with vitotronic has a optolink Interface for maintenance.
Belkin Wemo	This binding integrates the <a href="#">Belkin WeMo Family</a> .
YahooWeather	This binding uses the <a href="#">Yahoo Weather service</a> for providing current weather information.
ZWave	The ZWave binding supports an interface to a wireless Z-Wave home automation network.

# COMMUNITY – CONTRIBUTIONS IN QUEUE

🔍 28 Open ✓ 46 Closed

Author ▾ Labels ▾ Milestones ▾ Assignee ▾

🔍 **New Atrona PRO3 binding (#1171)** ✓ **newbinding**

#1262 opened a day ago by tmrobert8

🔍 **Add Russound Binding** ✓ **newbinding**

#1250 opened a day ago by tmrobert8

🔍 **New sony binding - currently only Bravia but will add bluray players** ✓ **newbinding**

#1249 opened a day ago by tmrobert8

🔍 **MySensors binding added** ✓ **newbinding**

#1243 opened 3 days ago by tobaf

🔍 **Binding for control of LG TVs via serial port** ✓ **newbinding**

#1242 opened 4 days ago by fa2k

🔍 **Rotel RA11/RA12 Binding** ✗ **newbinding**

#1241 opened 4 days ago by fa2k

🔍 **Amazon dash button binding** ✓ **newbinding**

#1236 opened 7 days ago by OLibutzki

🔍 **Add Z-Way binding** ✓ **newbinding**

#1227 opened 10 days ago by pathec

🔍 **Bosch Indego Connect Binding** ✓ **newbinding**

#1202 opened on 22 Aug by jeflock

🔍 **Add ImperHome IO binding** ✓ **newbinding**

#1197 opened on 18 Aug by pdegeus

🔍 **Added minecraft server binding** ✓ **newbinding**

#1195 opened on 12 Aug by ibaton

🔍 **Binding for CoolAutomation CoolMasterNet HVAC controller** ✓ **awaiting feedback** **newbinding**

#1122 opened on 14 Jul by projectgus

🔍 **New Binding Fileregexparser** ✓ **newbinding**

#1028 opened on 16 Jun by meju25

🔍 **New Binding for Silvercrest Wifi Socket** ✓ **newbinding**

#1000 opened on 5 Jun by jmvaz

🔍 **Initial contribution for Apache Camel integration** ✓ **newbinding**

#994 opened on 1 Jun by paulianttila

🔍 **Initial contribution of Hyperion binding** ✓ **awaiting feedback** **newbinding**

#862 opened on 30 Apr by tavalin

🔍 **Initial contribution of ZigBee binding** ✓ **newbinding**

#779 opened on 8 Apr by edjackson

🔍 **Initial contribution of Clipsal C-Bus Binding** ✓ **newbinding**

#776 opened on 30 Mar by talltechdude

🔍 **Fix for WiFi LED controller Binding (see #496)** ✓ **awaiting feedback** **enhancement** **newbinding**

#756 opened on 22 Mar by PH89

🔍 **Second contribution of a Binding for WiFi LED controllers (Implements #496)** ✓

**awaiting feedback** **newbinding**

#755 opened on 22 Mar by xyla

🔍 **Initial commit of telldus/telstick binding** ✗ **newbinding**

#701 opened on 3 Mar by jarlebh

🔍 **Initial release of the Tivo 1.1 binding for OpenHAB2** ✓ **awaiting feedback** **newbinding**

#584 opened on 27 Feb by DigitalBites

🔍 **Initial contribution of the Exec 2.0 binding.** ✓ **newbinding**

#468 opened on 19 Nov 2015 by kgoderis

🔍 **Modbus binding for openhab 2** **awaiting feedback** **newbinding**

#362 opened on 8 Sep 2015 by vares8

🔍 **Initial contribution of the Miele binding that supports the Miele@Hom...** ✗ **newbinding**

#347 opened on 19 Aug 2015 by kgoderis

🔍 **Initial contribution of the Helios IP (www.2n.cz) binding** ✓ **newbinding**

#80 opened on 15 Dec 2014 by kgoderis

🔍 **Initial contribution of the KNX 2.0 binding** ✓ **newbinding**

#21 opened on 22 Oct 2014 by kgoderis

🔍 **Initial contribution of IRtrans 2.0 binding** ✓ **newbinding**

#16 opened on 3 Oct 2014 by kgoderis

# CHALLENGES

- Maintainers needed!
- Complex technology stack (OSGi, EMF, Xtext)
- Java is not in focus for many IoT players  
(see BT/BLE, OCF, Z-Wave etc.)

# OUTLOOK 0.9.0

- Java 8!
- Voice Features
- Rule Engine Enhancements
- New Persistence Features



- Sample lightweight distro using Eclipse Concierge
- OM2M integration for oneM2M compatibility
- Vorto / Ontologies



# THANK YOU!



 @smarthome