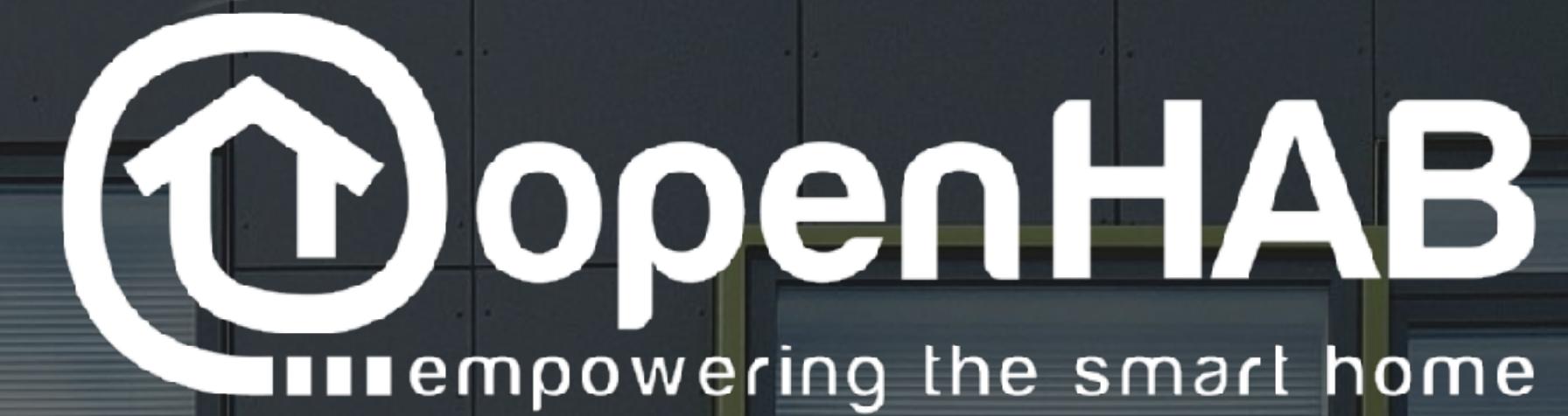


AN INTRODUCTION TO



&



Kai Kreuzer, Deutsche Telekom AG
Eclipse SmartHome Project Lead



HOME AUTOMATION FOR BEGINNERS











There is NO CLOUD, just



other people's computers



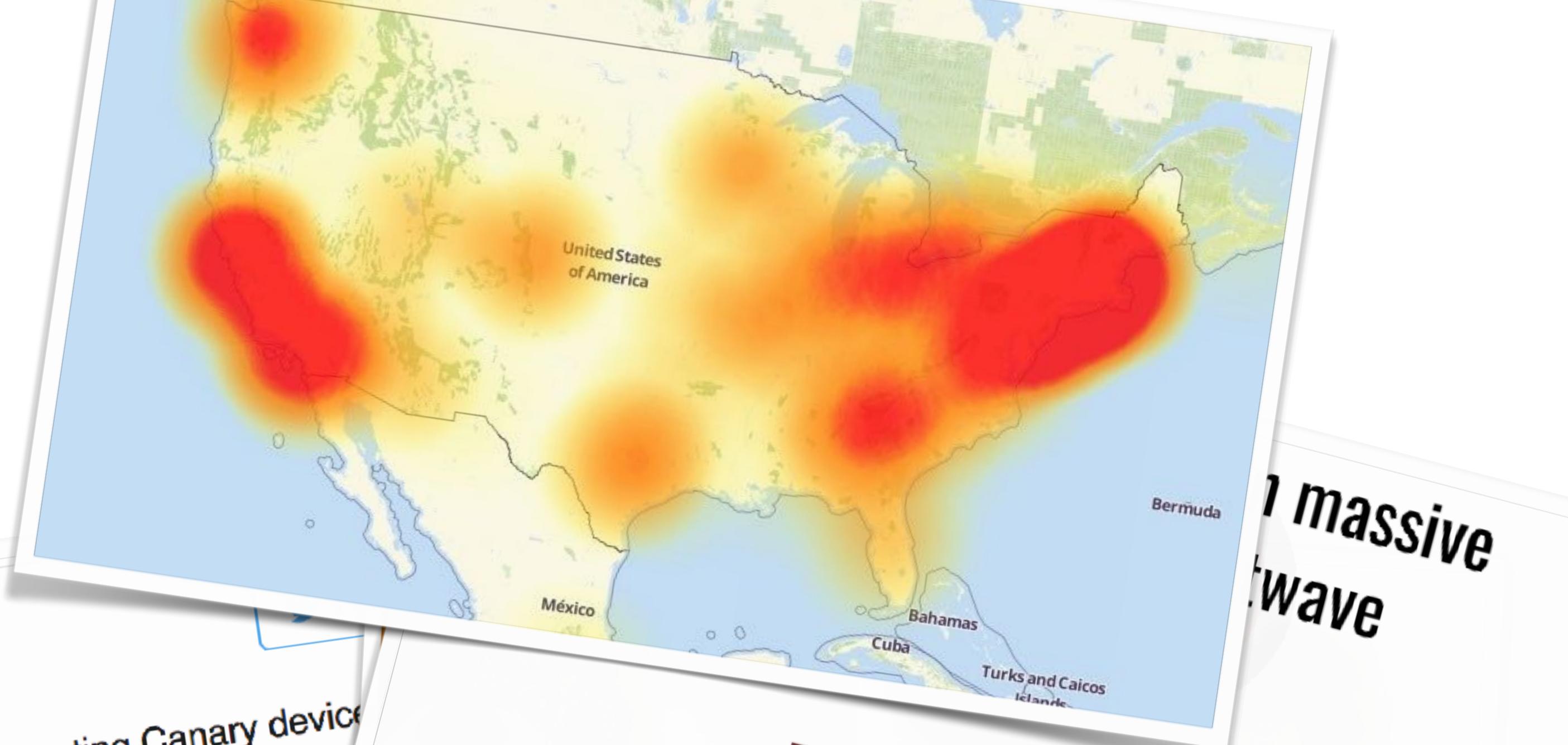
Stuart Thomas @stuartthomas

Mmm. Can't turn some of my lights on at home cos @IFTTT is down. Welcome to the future! @internetofshit

7:14 PM - 28 Feb 2017

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#GOOGLE #NEST HOME AUTOMATION

THE INTERNET OF HACKABLE THINGS

Internet of Things Teddy Bear Leaked 2 Million Parent and Kids Message Recordings

There's no place like
127.0.0.1



INTRANET OF THINGS





INTRANET OF THINGS



DON'T
CALL
US!



WE
CALL
YOU!



OPEN SOURCE, MODULAR,
RUNS ON ANY PLATFORM

INDEPENDENT



SHARED TOOLS & SERVICES.

DISCOVERY,
SETUP &
CONFIGURATION

RULE ENGINE,
AUTOMATION

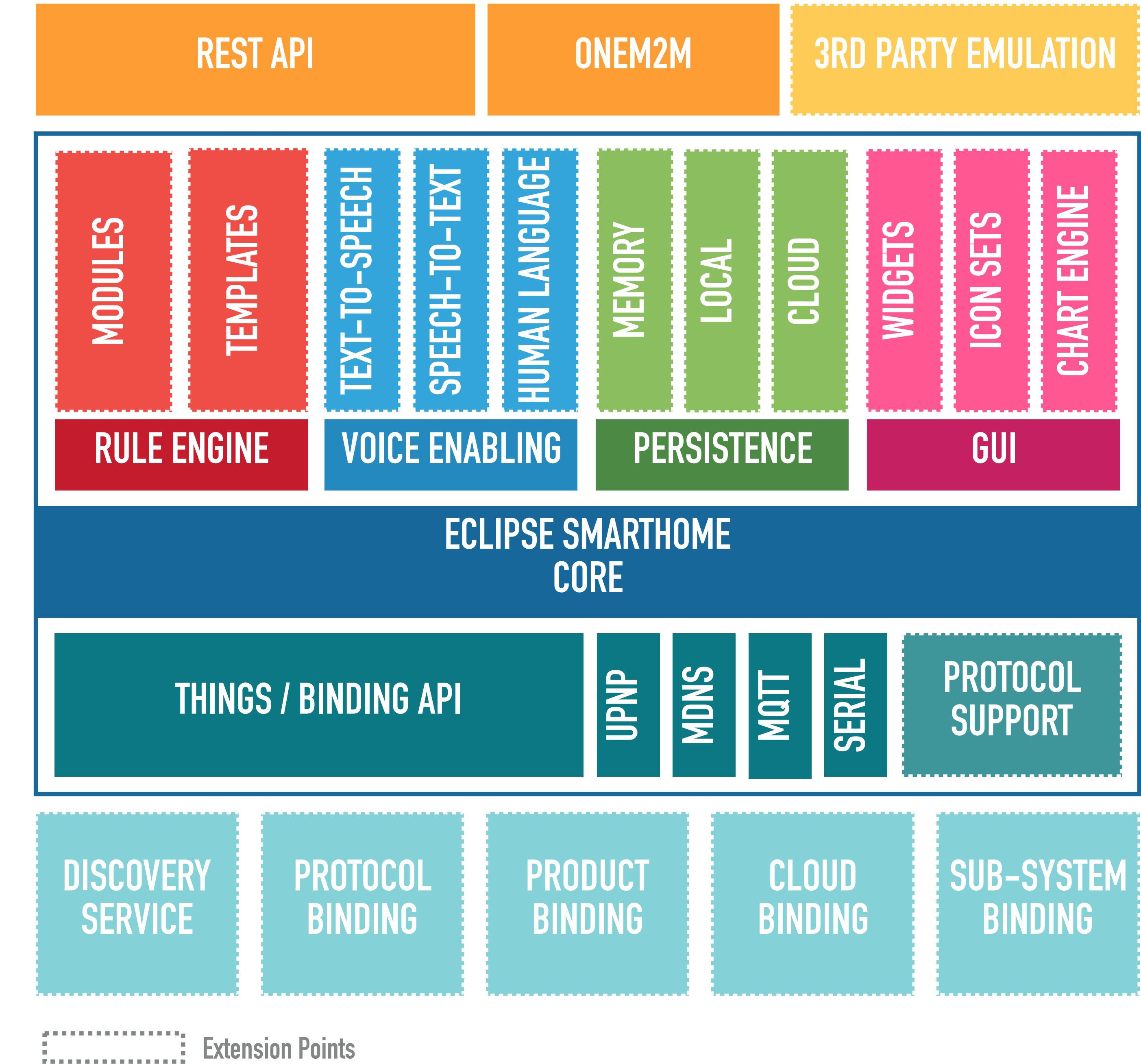
DATA HANDLING,
REST API,
PERSISTENCE

USER INTERFACES
VOICE ENABLING



eclipse
smarthome

ARCHITECTURE

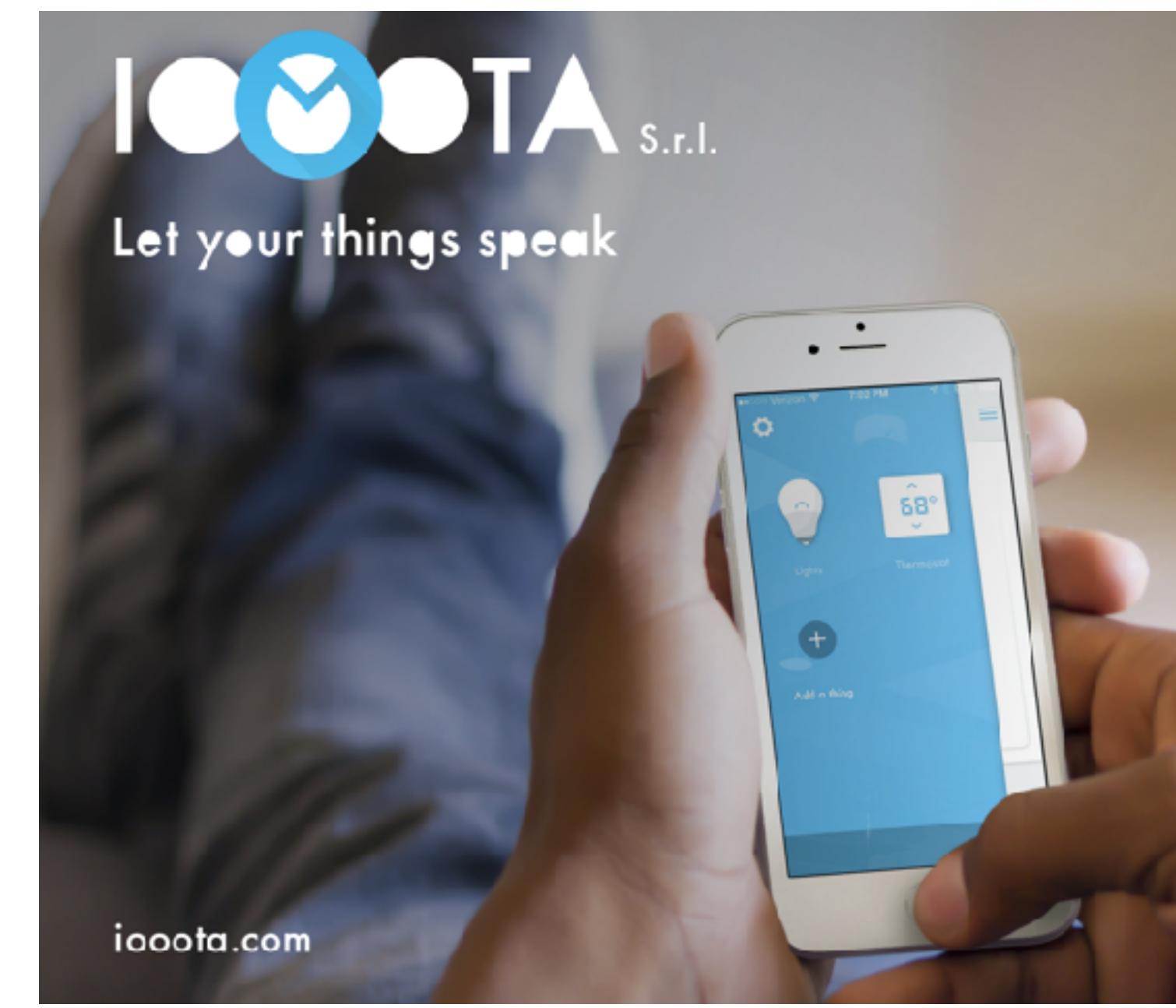


Extension Points

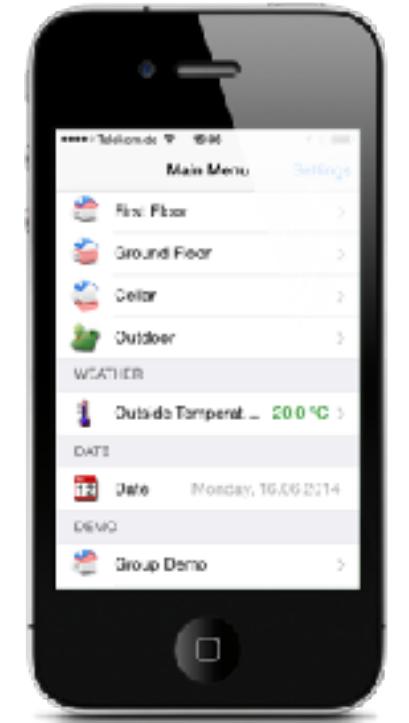


SOLUTIONS

JUNG



openHAB
empowering the smart home



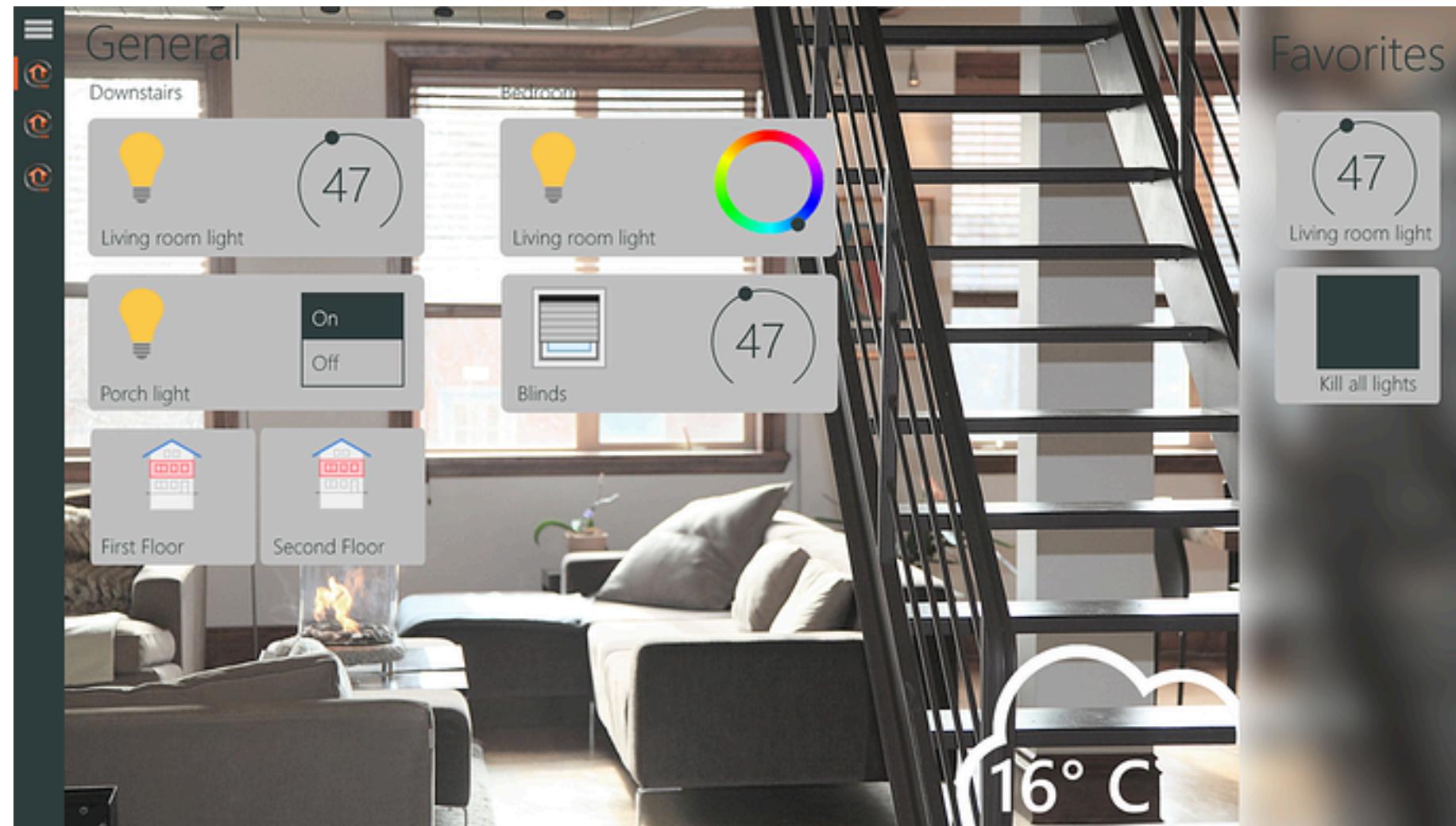
INTEGRATION



USER INTERFACES



A screenshot of a web-based user interface titled 'Main Menu'. The menu includes sections for 'First Floor', 'Ground Floor', 'Cellar', and 'Garden'. Below these are sections for 'Weather' (Outside Temperature 28.0 °C) and 'Demo' (Date, Group Demo, Widget Overview, Multimedia). The interface uses a light blue header and white background with grey borders for each menu item.

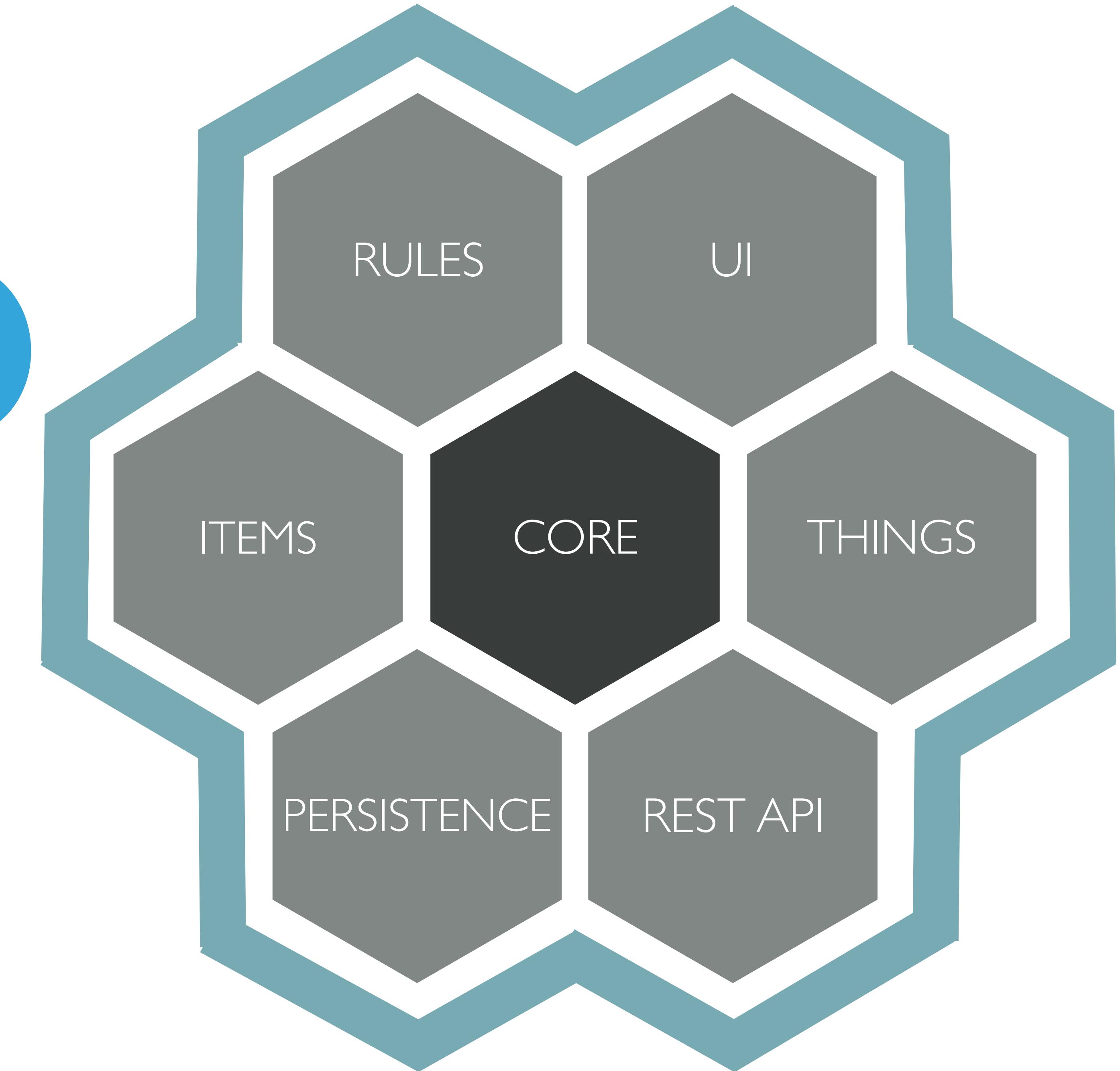


A screenshot of a mobile application titled 'Home Cinema'. The interface is divided into several sections: 'Projector' (OFF), 'AV Receiver' (ON), 'Kodi HTPC' (ON), 'Lamp time' (1113h), 'Color Mode' (CINEMA), 'Source' (HDMI1), 'Input' (Spotify), 'DSP' (5ch Stereo), 'Receiver Volume' (45), 'Play' (button), 'Type' (episode), 'Title' (Chapter Eight: The Upside Down), 'Pause' (button), 'Channel' (Uninitialized), and 'Show' (Stranger Things). The background is dark, and the text and buttons are in various colors like blue, red, and green.

A screenshot of a web-based user interface titled 'Main Menu'. The menu includes sections for 'First Floor', 'Ground Floor', 'Cellar', and 'Garden'. Below these are sections for 'Weather' (Outside Temperature 28.0 °C) and 'Demo' (Date, Group Demo, Widget Overview, Multimedia). The interface uses a light blue header and white background with grey borders for each menu item.

DEMO

TIME!



OPENHAB STATISTICS

- ▶ ~ 500 Contributors
- ▶ > 100k Users
- ▶ ~ 2000 Downloads / Day
- ▶ ~ 10k Posts / Month

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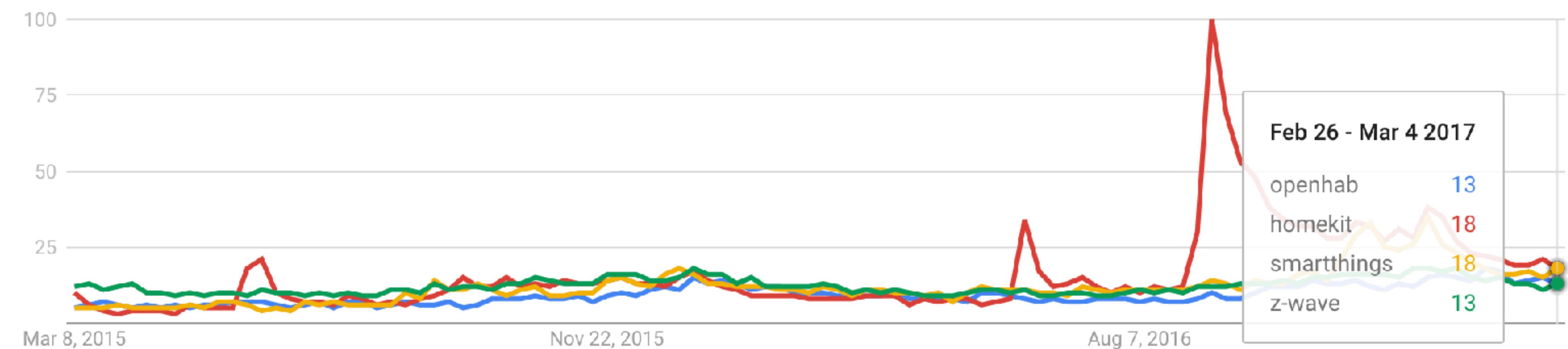
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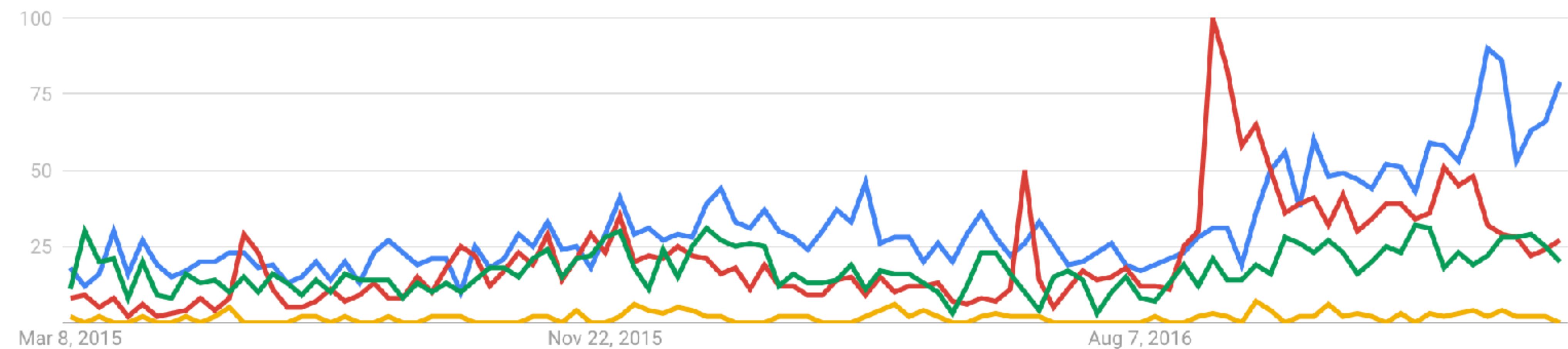
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3/3/15 - 3/2/17 ▾

Computers & Electronics ▾

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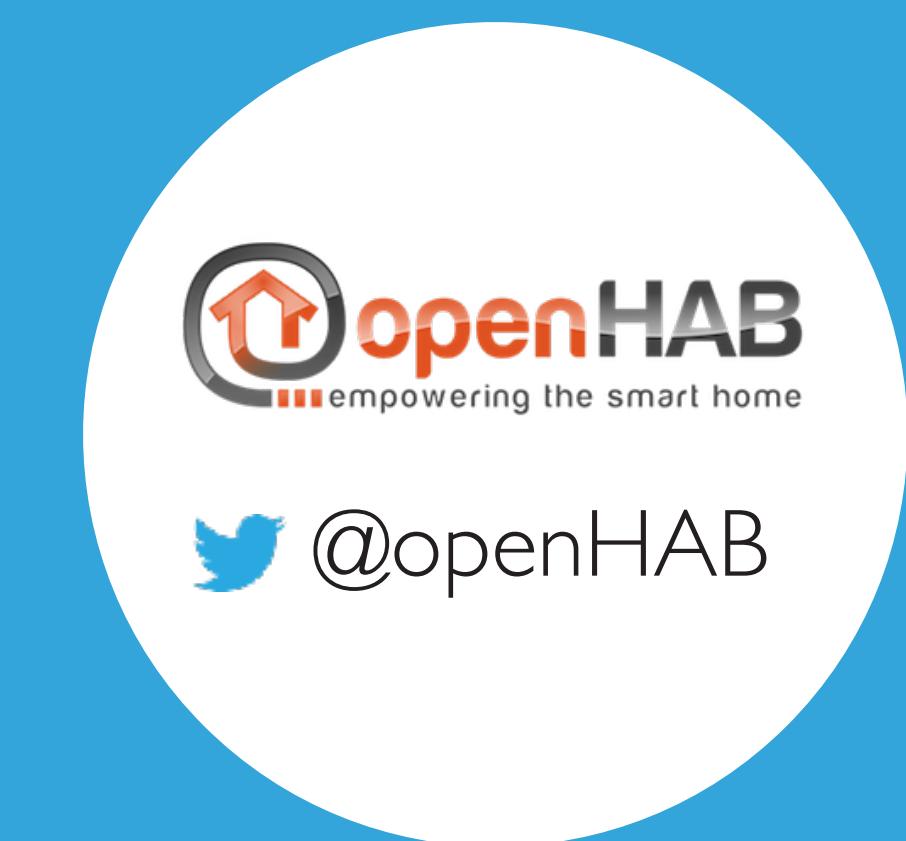
Interest over time





THANK YOU!

谢谢



Kai Kreuzer, Deutsche Telekom AG