

*Jasper, turn on the fan.*

*Jasper, what's on my calendar today?*

# Speech to RIOT

*Jasper, how is the temperature?*

*Jasper, re-order paper towels.*

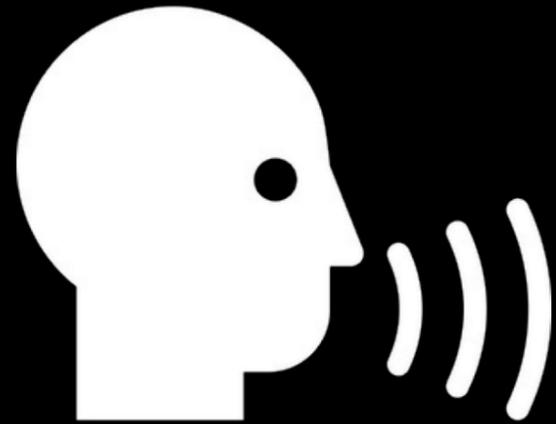
*Jasper, set a timer for 20 minutes.*

*Jasper, play music.*

# Speech to RIOT

[github.com/smartuni/Speech-to-RIOT](https://github.com/smartuni/Speech-to-RIOT)

Based in Hamburg



Control anything

Use your voice to control your home.



Always listening

Jasper always listening for commands



100% Open source

Build it yourself with off-the-shelf hardware

Responsibility assignment

Architecture

Use case

Live demo

Outlook

# Responsibility assignment

Alberto Pickering: CoAP on Jasper Controller

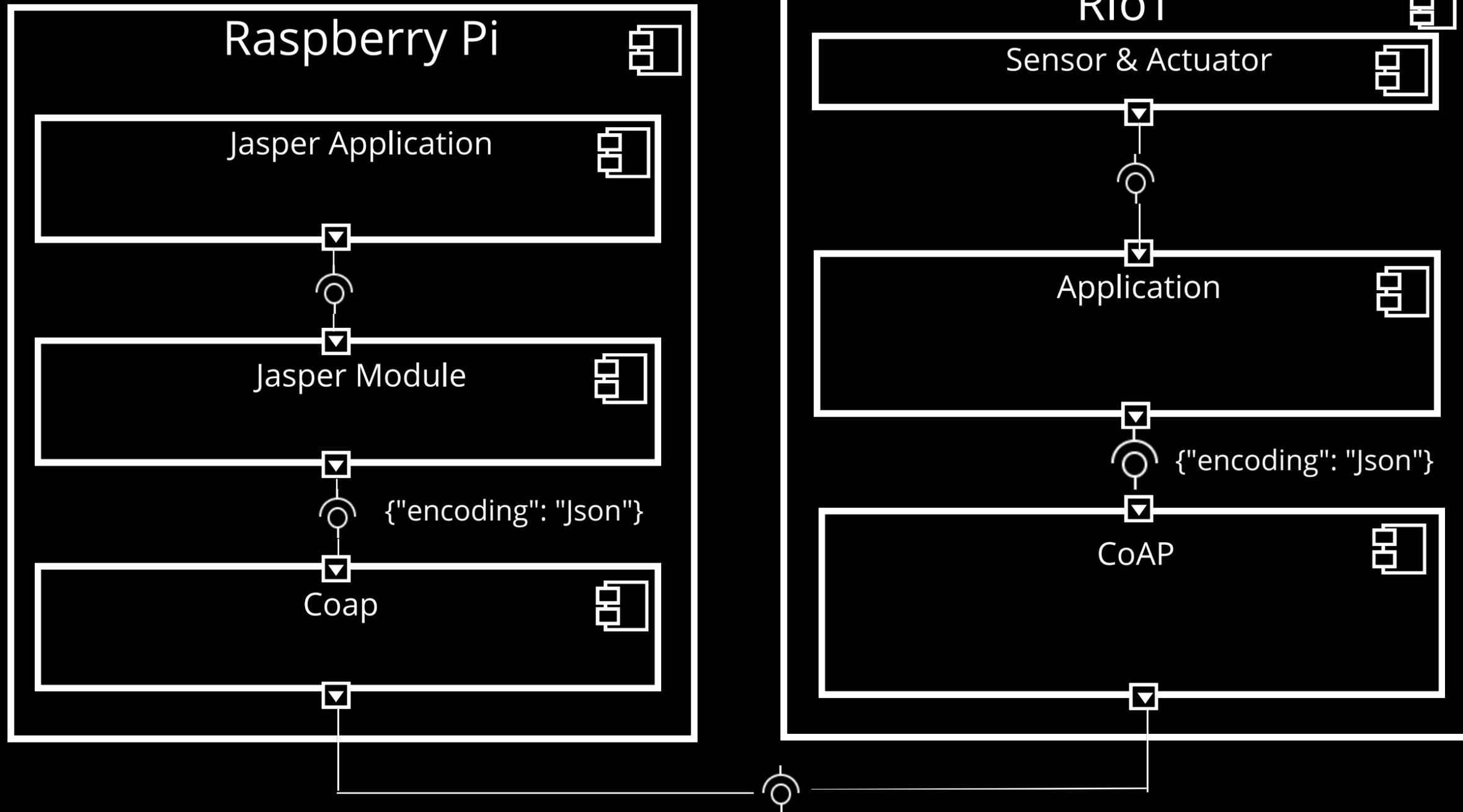
Arne Thiele: Jasper/ CoAP/ Discovery

Julian Magierski: Documentation/Service with actuator

Marvin Butkerei: CoAP, IoT / Temperature sensor

Lukas Hettwer: CoAP on Raspberry Pi side/ presentation

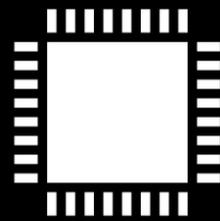
# Architecture



# Use case: temperature



Speak to Jasper:  
*Jasper, how is the  
temperature today?*



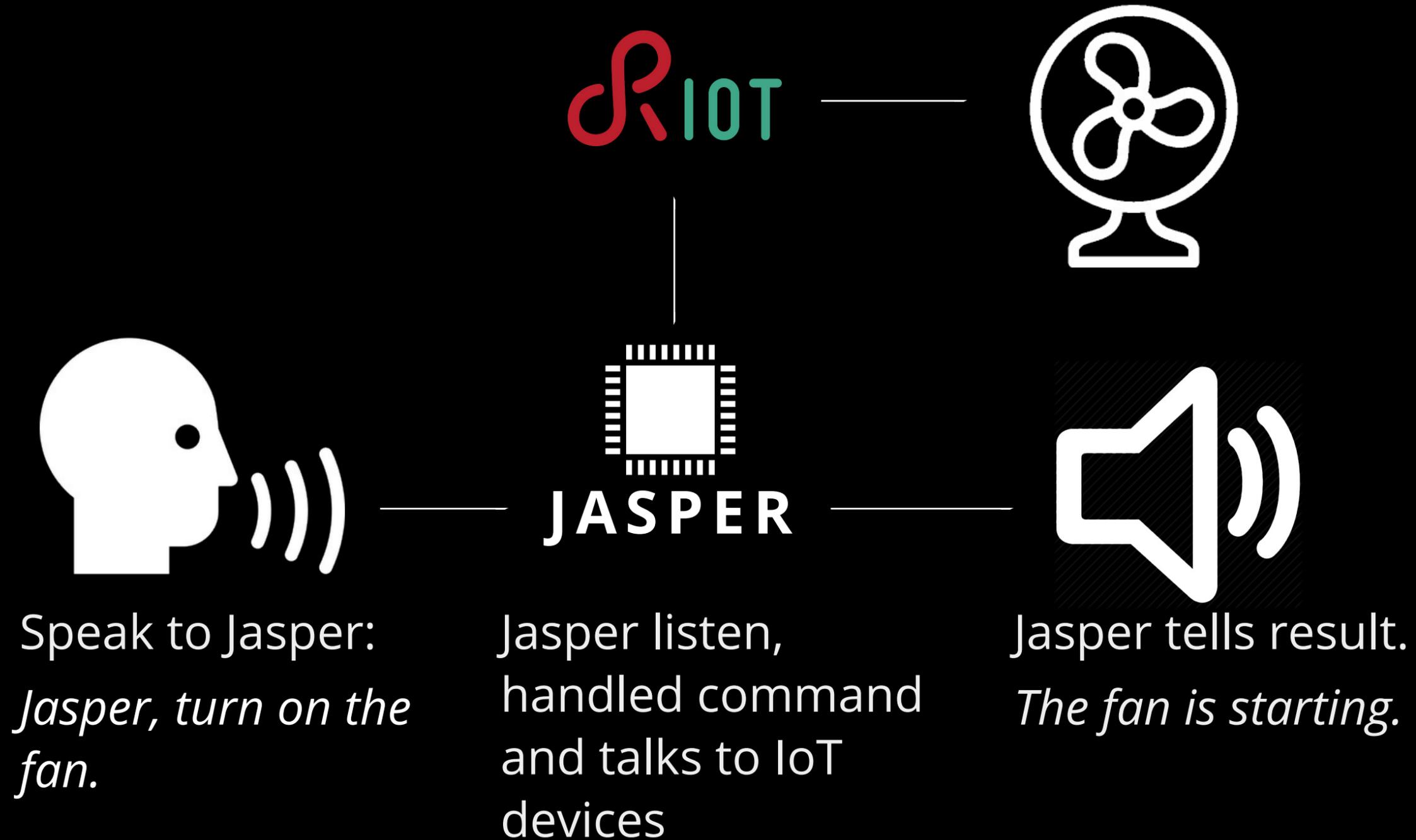
**JASPER**

Jasper listen,  
handled command  
and talks to IoT  
devices

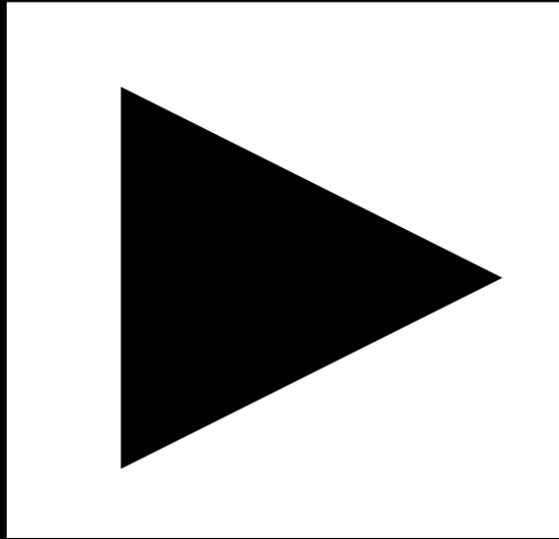


Jasper tells result.  
*The temperature is  
42°.*

# Use case: turn-on/-off fan



Live demo



# Outlook

- Discovery
- Communication between RIoT devices about Jasper
- Jasper speaks without question/command
- Register service on Pi

Thank you