

# Hackathon 2017

## Alexa for coffee

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12.12.17

# Alexa for coffee

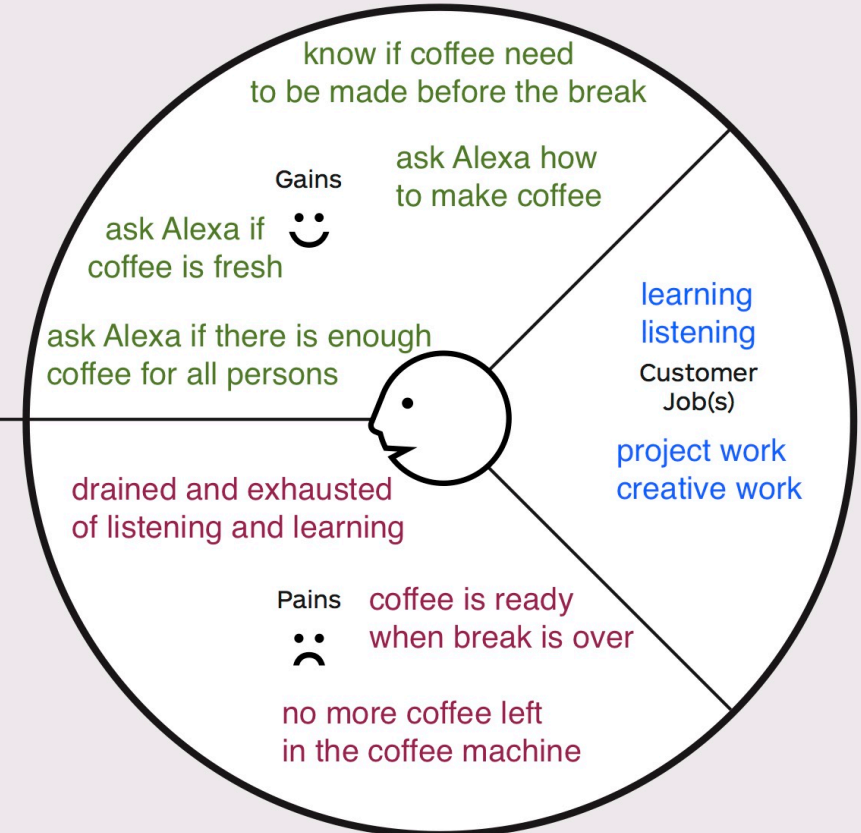
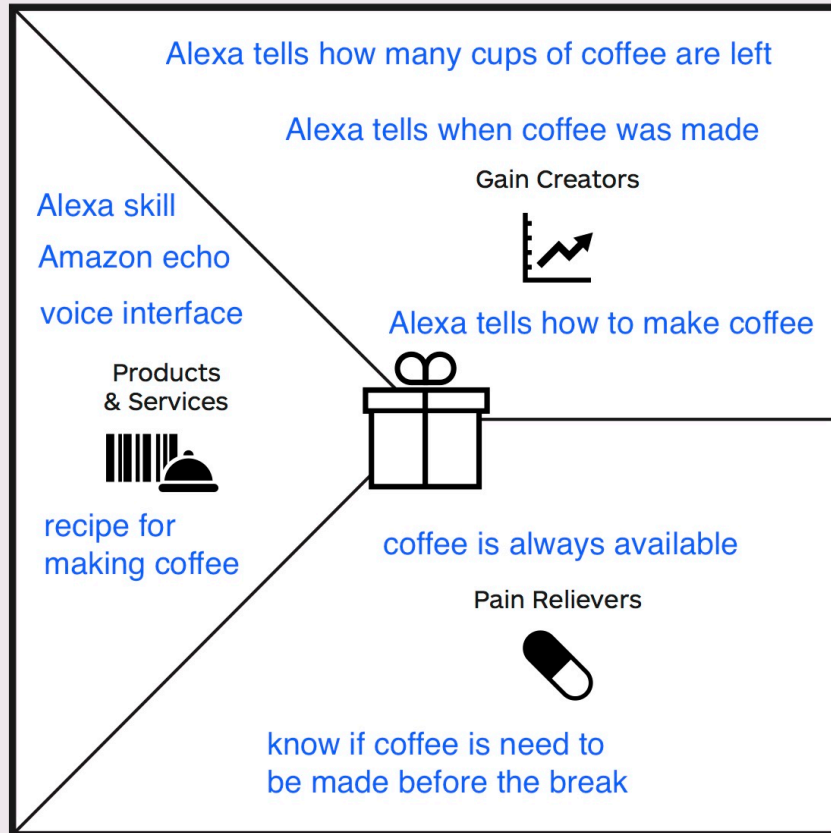
- Value Proposition Canvas
- Minimal Viable Product
- Alexa skill
- IoT Architecture
- Demonstration



# Value Proposition Canvas

Value Proposition Status of coffee machine is always available

Customer Segment Student, lecturer, employee



# Minimal Viable Product

Three Alexa Services for coffee:

When was coffee made?

- Alexa tells you how fresh the coffee is
- Timestamp from database

How much coffee is left?

- Alexa tells you how many cups of coffee can be drunk
- Latest amount of coffee used to compute amount of cups

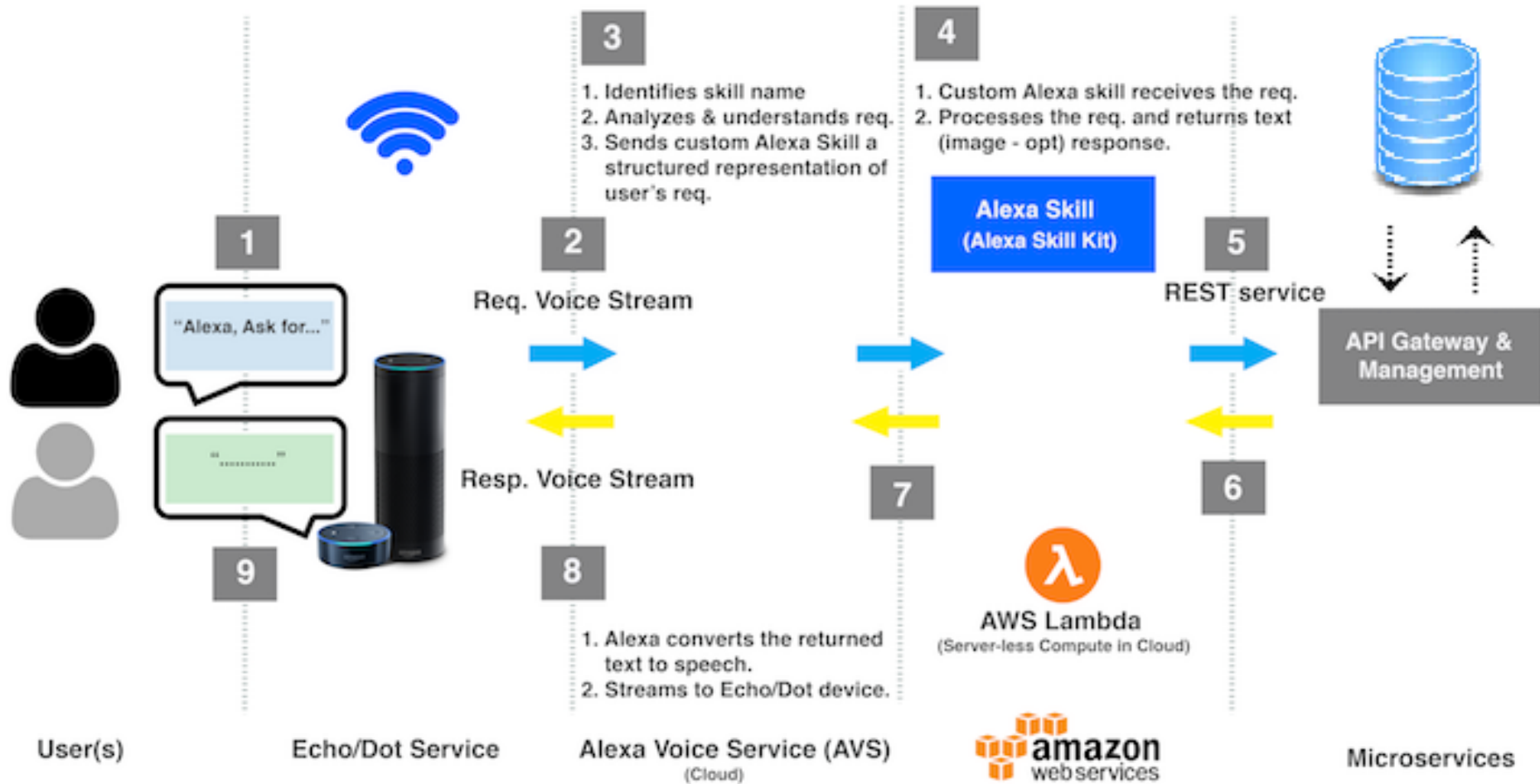
How to make coffee?

- Alexa tells you the instruction

## Alexa skill

- ,invocation name‘ *Kaffeemaschine* to start the skill
- ,intent‘ to separate different request types
- ,utterances‘ to recognize the questions
- ,functions‘ within Lambda code
- ,callback‘ for Alexa response

# IoT Architecture



<https://image.slidesharecdn.com/amazonalexa-buildingcustomskills-170209195616/95/amazon-alexa-building-custom-skills-32-638.jpg?cb=1486670198>

# Demonstration



[https://images-na.ssl-images-amazon.com/images/I/418mxTrvgUL.\\_AC\\_UL246\\_SR190,246\\_.jpg](https://images-na.ssl-images-amazon.com/images/I/418mxTrvgUL._AC_UL246_SR190,246_.jpg)

# Utterances

## ANLEITUNG

- wie mache ich Kaffee
- Anleitung für Kaffee
- Kaffee kochen
- Anleitung zum Kaffee kochen
- Anleitung Kaffee
- Anleitung

## ALT

- ist der Kaffee frisch
- wie alt ist der Kaffee
- wann wurde der Kaffee gekocht
- ist der Kaffee neu
- noch frischalt wann Kaffee
- wann gekocht
- noch genießbar



# Utterances

## WASSER

- noch Kaffee
- ob noch Kaffee gibt
- gib mir Kaffee
- Kaffee übrig
- wie viel Kaffee
- Kaffee da
- Kaffee noch da
- Kaffee vorhanden
- gibt's Kaffee
- hat's Kaffee