

Hackathon 2017

Alexa for coffee

Abderraouf Gharbi, Valeria Kinitzki, Faiez Mastouri

12.12.17





Alexa for coffee

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









Value Proposition Canvas

Status of coffee machine is always available Student, lecturer, employee Value Proposition **Customer Segment** know if coffee need Alexa tells how many cups of coffee are left to be made before the break Alexa tells when coffee was made ask Alexa how Gains **Gain Creators** to make coffee Alexa skill ask Alexa if 🙄 Amazon echo coffee is fresh learning voice interface Alexa tells how to make coffee ask Alexa if there is enough listening **Products** coffee for all persons Customer & Services Job(s) project work creative work drained and exhausted recipe for of listening and learning coffee is always available making coffee Pain Relievers Pains coffee is ready when break is over no more coffee left know if coffee is need to in the coffee machine be made before the break





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



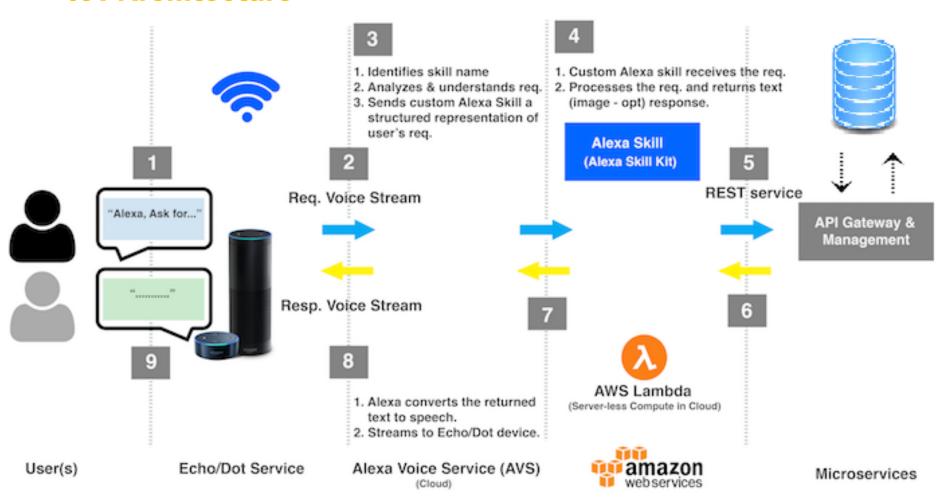


Alexa skill

- ,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-building customskills-170209195616/

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Demonstration









Reutlingen University

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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



