

AIOLI - AI Open Lab Initiative

Digital Assistants - Alexa

chriamue@gmail.com

January 10, 2018

Agenda

Assists overview

Alexa Skills technology

Workshop

Assists overview

List of some available assistants

- Amazon Alexa



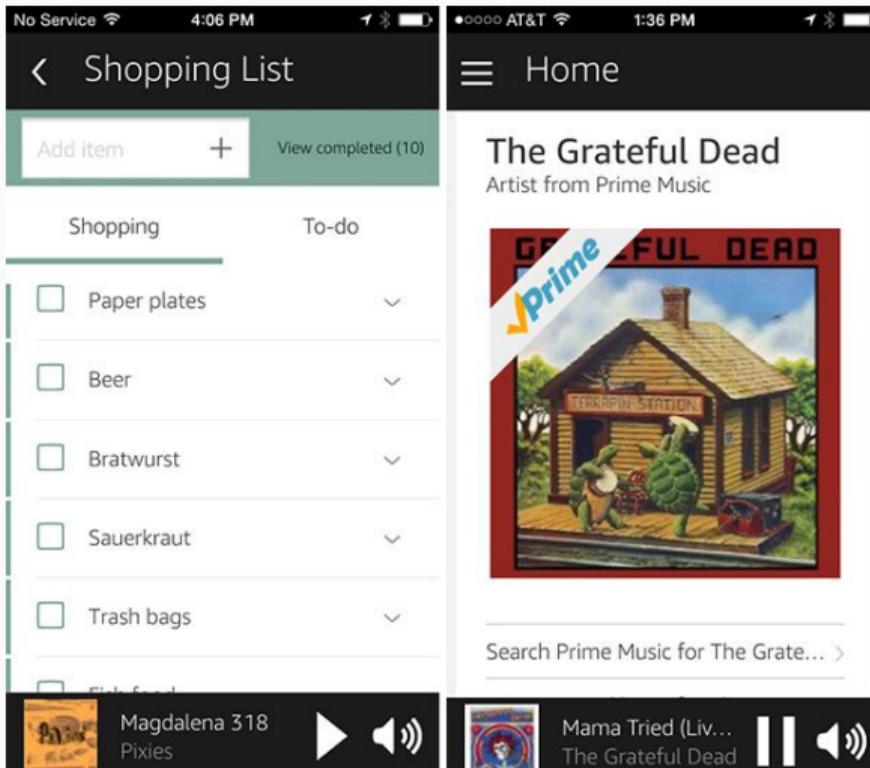
- Google Home
- Apple Siri
- Microsoft Cortana



What are they good for?

- Check my Calendar
- Play some music
- Give me the news
- Tell me how the weather will be
- Make me a shopping list
- Turn light on/off

Alexa App



<https://cdn.thewirecutter.com/wp-content/uploads/2016/08/Side-by-side1.jpg>

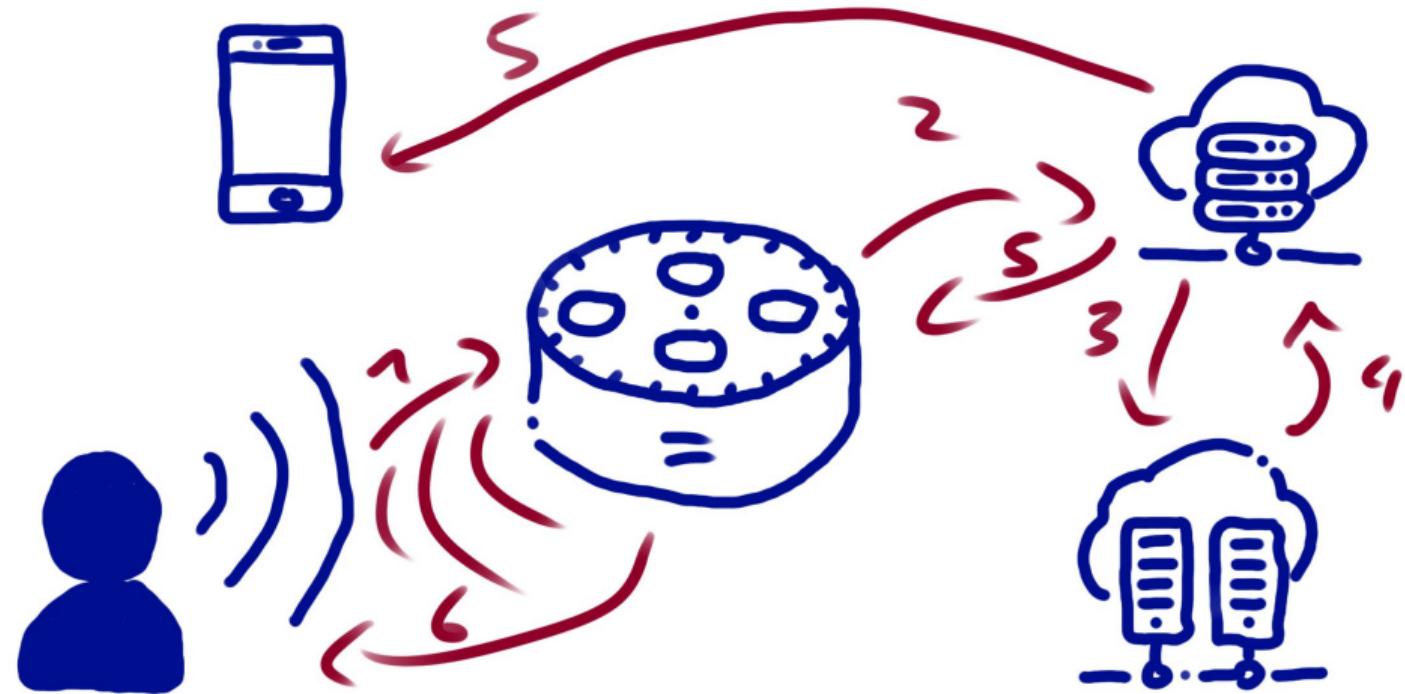
What are they good for? - Not much!

But Alexa has Skills!

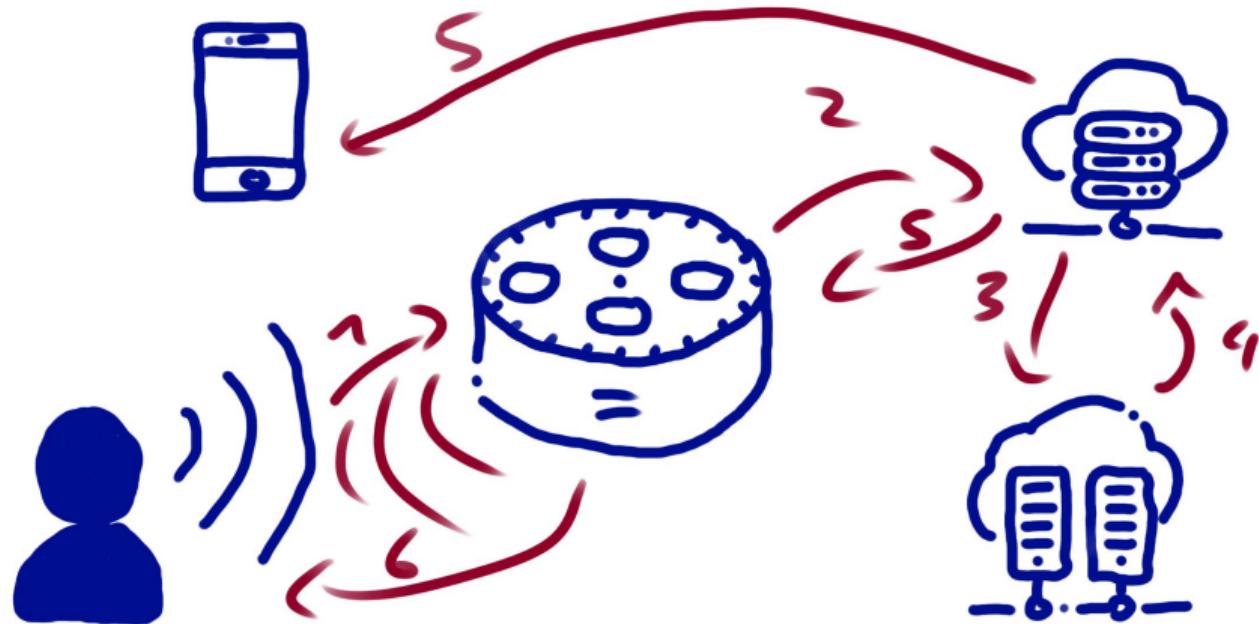


Alexa Skills technology

Technology

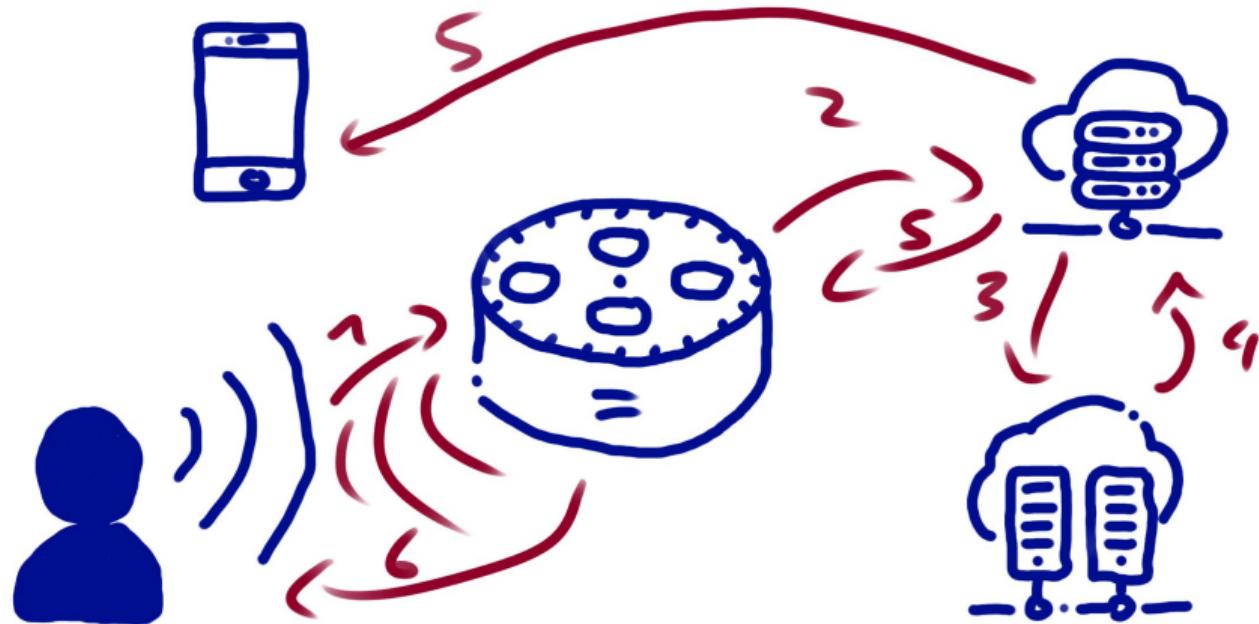


Technology



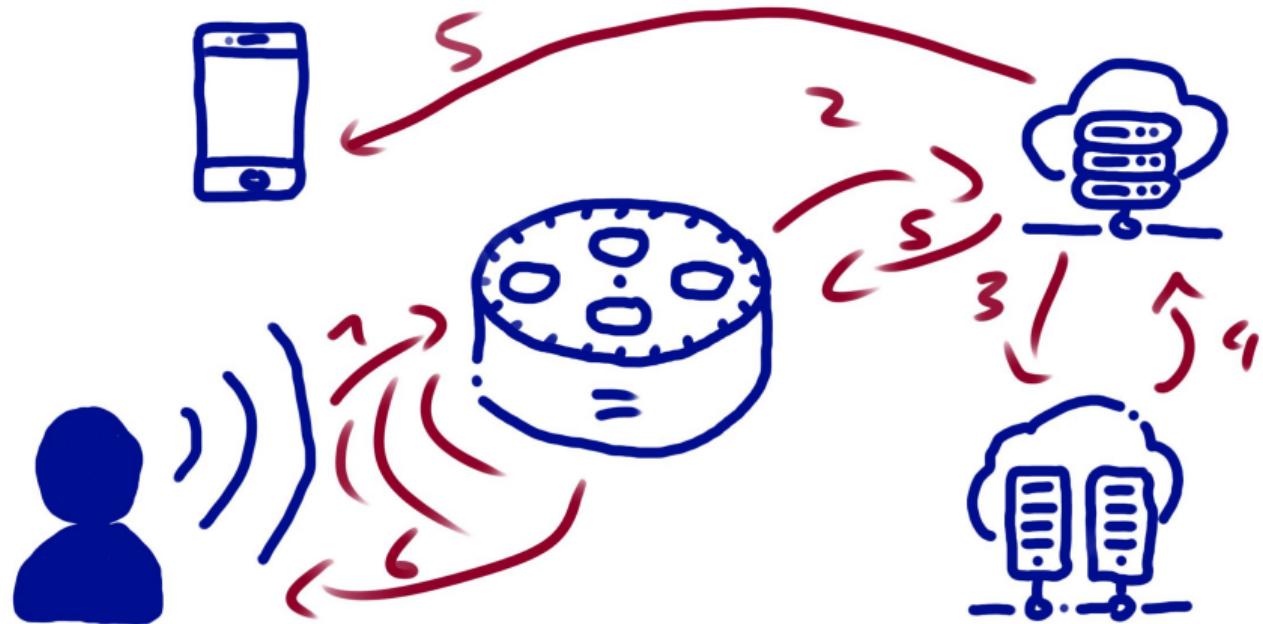
1. Speak to Alexa

Technology



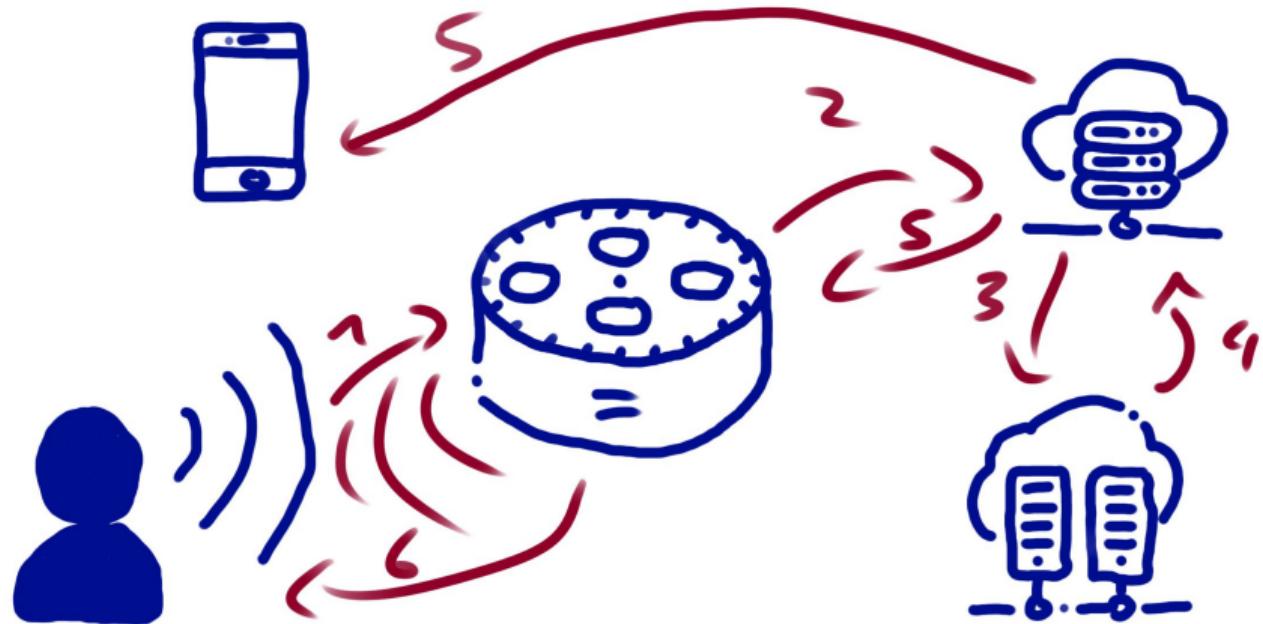
2. Speech Recognition on Amazon server

Technology



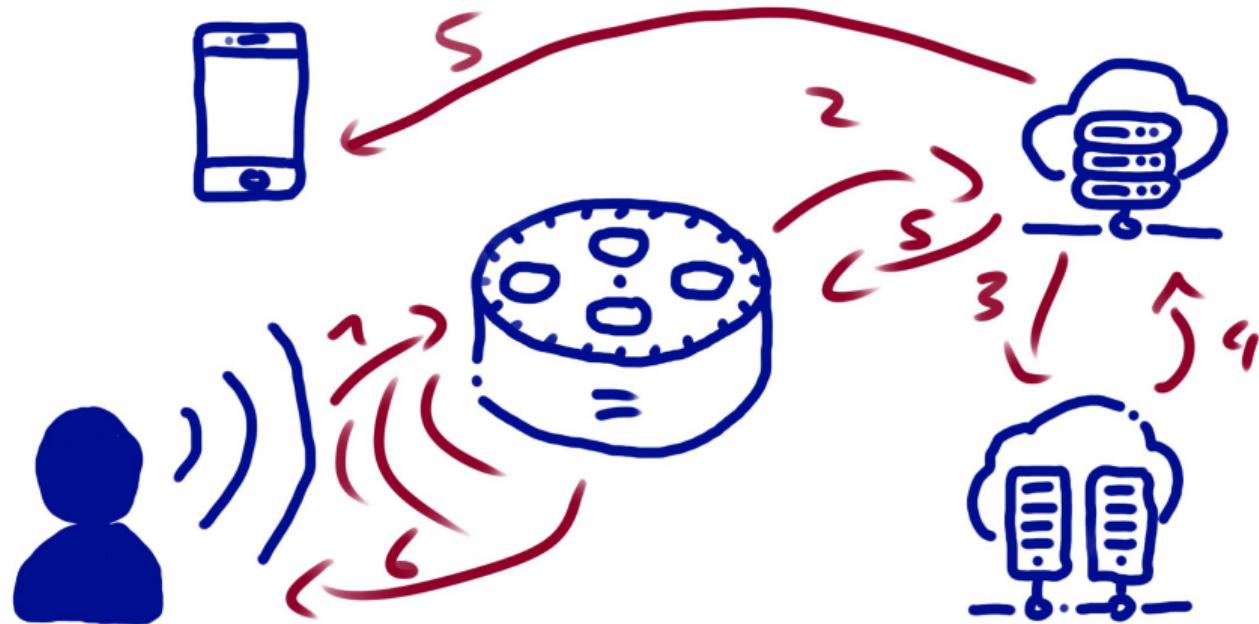
3. Trigger Skill on publisher server

Technology



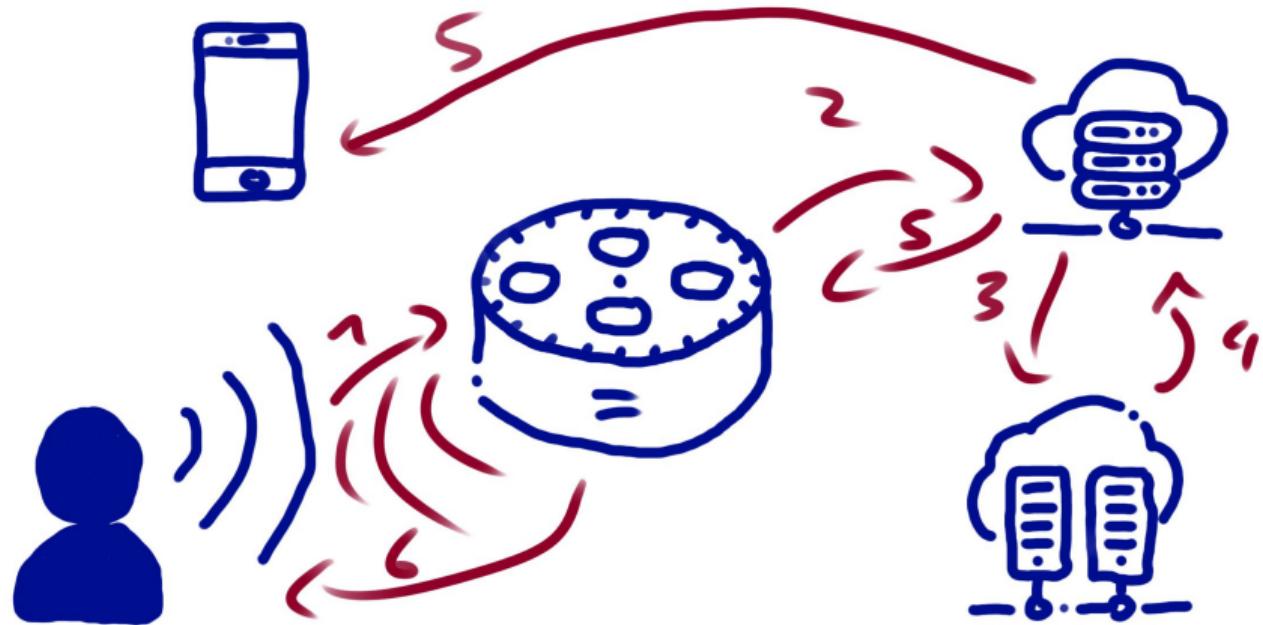
4. Response as Text

Technology



5. Audio Stream to Alexa, Card to Alexa App

Technology



6. Echo plays Audio Stream

Workshop

Try it yourself

1. <https://developer.amazon.com/alexa> → Alexa Skills Kit
2. <https://aws.amazon.com/console/> → Lambda
3. <https://github.com/alexa/skill-sample-nodejs-fact> → Example
4. be creative

Discussion - End

Thanks a lot for your attention!