# Microsoft Bot Framework

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# Agenda

- What is a bot?
- Microsoft Bot
- Lifecycle
- Concepts
- Architecture
- Cognitive Services
- Demo
- Comparison to other services

# What is a bot?

Normal piece of software

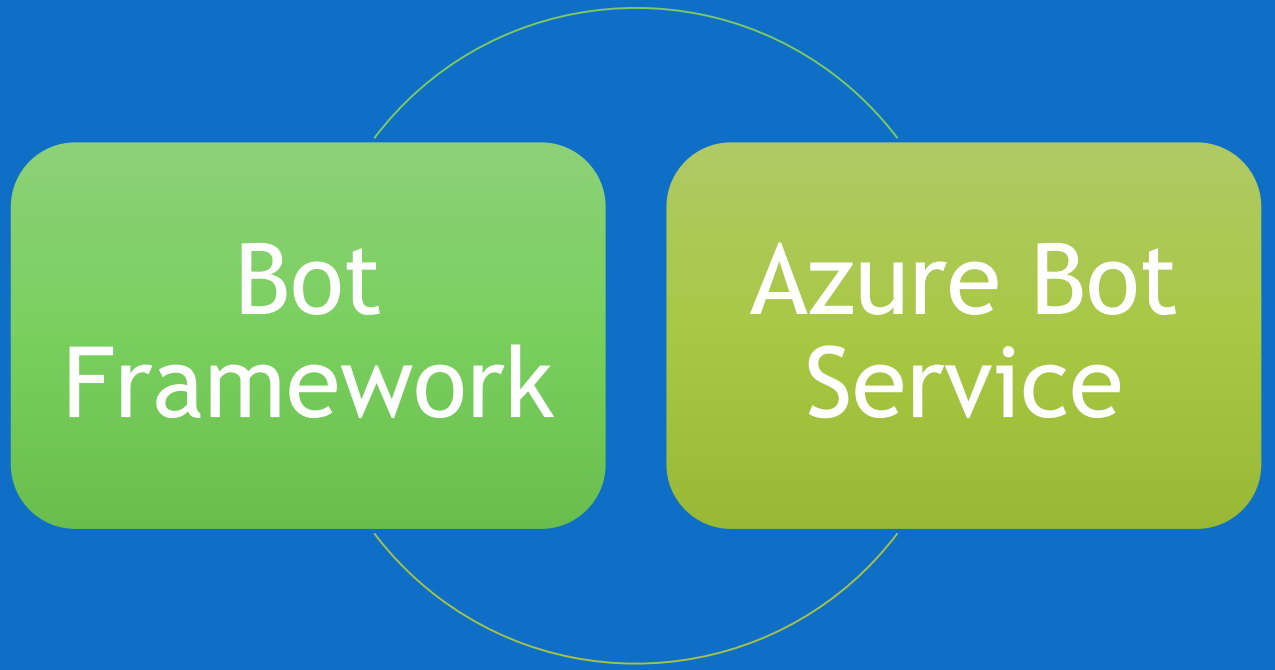
Similarities to web applications

Based on a stack of different technologies

Text, Speech and Pictures

Use of mechanisms from human-to-human communication

# Microsoft and bots



# Lifecycle

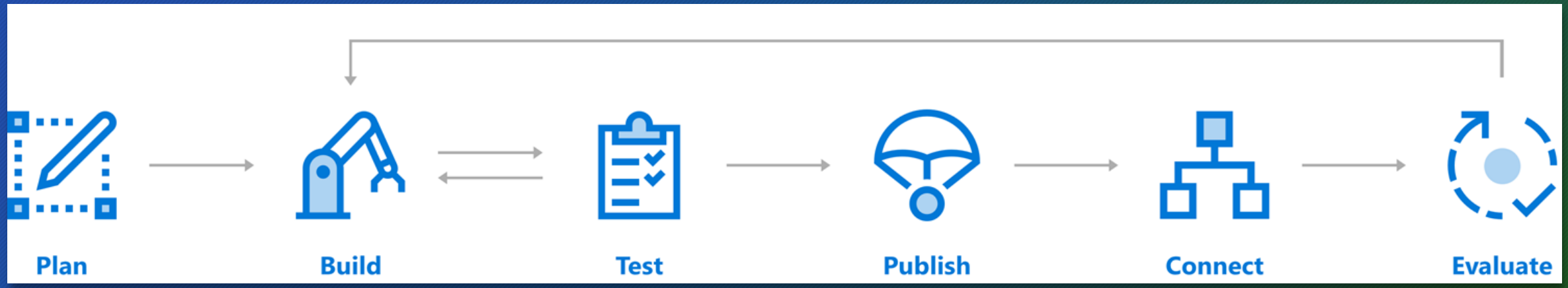



Image 1

# Concepts

- Communication via REST
- State Management
- Dialogs
- Middleware

# Architecture

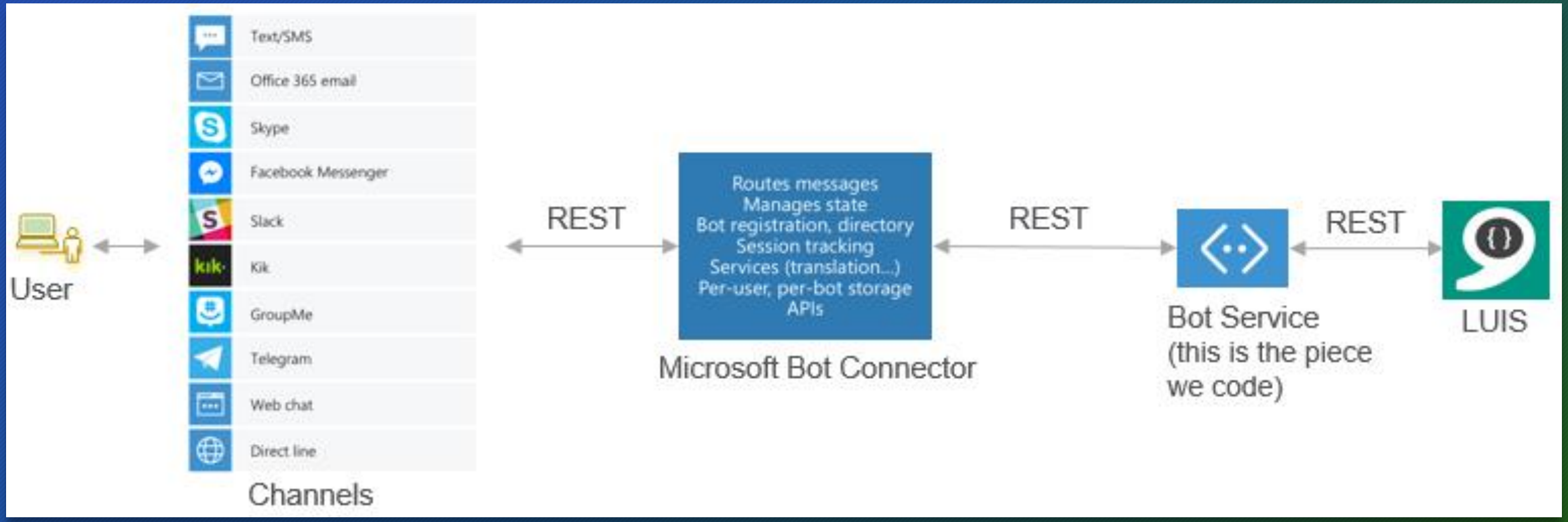



Image 2

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# Cognitive Services

LUIS

QnA Maker

# Demo

# Comparison to other services

amazon alexa

Image 3

Image 4

# Questions?

# Sources

- https://dev.botframework.com
- https://koukia.ca/can-you-implement-a-chat-bot-with-microsoft-bot-framework-without-azure-1446ce8333bf
- https://docs.microsoft.com/en-us/azure/bot-service/?view=azure-bot-service-4.0
- https://docs.microsoft.com/en-us/azure/bot-service/javascript/bot-builder-javascript-quickstart?view=azure-bot-service-4.0
- https://docs.microsoft.com/en-us/azure/bot-service/bot-builder-dialog-manage-conversation-flow?view=azure-bot-service-4.0&tabs=javascript

# Images

- Image 1: https://docs.microsoft.com/en-us/azure/bot-service/media/bot-service-overview.png?view=azure-bot-service-4.0
- Image 2: https://cdn-images-1.medium.com/max/800/1*X8OMPKY2vf7VREX6Nn6wwA.png
- Image 3: https://en.wikipedia.org/wiki/Amazon_Alexa#/media/File:Amazon_Alexa_logo.svg
- Image 4: https://de.wikipedia.org/wiki/Google_Assistant#/media/File:Google_Assistant_logo.svg