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# RPA Microsoft Bot Framework LUIS

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# Overview

What is RPA?

What is Bot Framework?

Bot Types

Why / Where do we need this?

Popular Bots

Demo

Cognitive Services

LUIS

Demo

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# What Is RPA?

## RPA

- Robotic Process Automation
  - Your Virtual Employee
  - No Physical Robot
  - Time-to-market within a few weeks
  - Uses your existing applications
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## RPA Goals

**“ROBOTIC PROCESS  
AUTOMATION WILL  
HELP HUMANS  
BECOME MORE  
HUMAN AT WORK.”**

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# Which Industries?

Financial Services

Telecom

Retail

Energy

Public Services

Healthcare

Service Providers

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# Which Companies?

IBM

Siemens

Vodafone

Boston Scientific

Adobe

Pwc

Intel

LinkedIn

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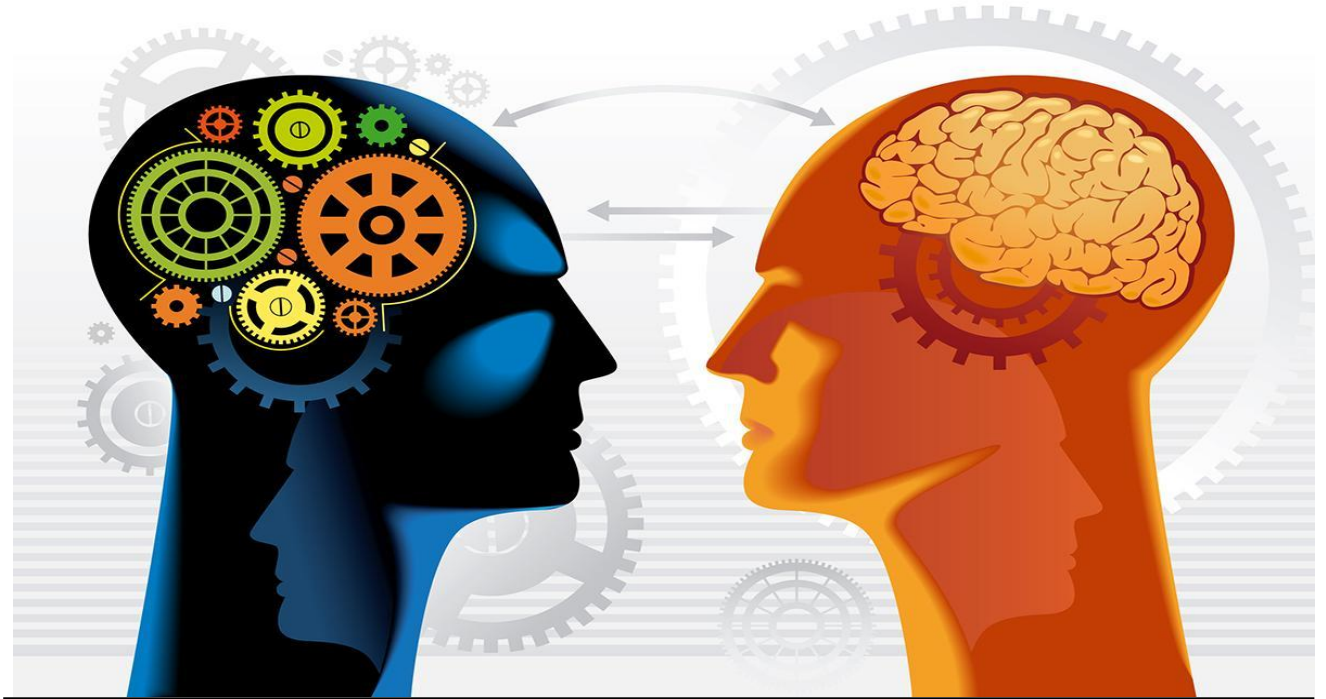
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# Bot Frameworks

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# What is ChatBot?





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# What is Chatbot?

- Is A Service
- Powered by rules
- Has Artificial Intelligence
- Has Chat Interface



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# ChatBot Types

## Generalist (Superbot)

- Cortana
- Siri
- Alexa
- Facebook M

## Specialist

- UBER
  - SEPHORA
  - CNN
  - YAHOO
  - HYATT
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# Why

## Because

- Single Entry Point (Access all of your technologies)
  - Big Data & AI (Machine Learning Point)
  - Automation
  - IOT
  - Personalization
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# ChatBot Structure

## Bot Development Frameworks

- Needs development
- Uses Programming Language
- **Microsoft Bot Framework,** Wit.ai, Api.ai, Aspect CXP etc.

## Bot Platforms

- Used by beginners or non-technical users
  - Without coding
  - Motion.ai, Chatfuel etc.
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# Popular Chatbot Platforms



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# Microsoft Bot Framework

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# Microsoft Bot Framework

## History

Announced 2016

## Development

.NET C# & Node.JS

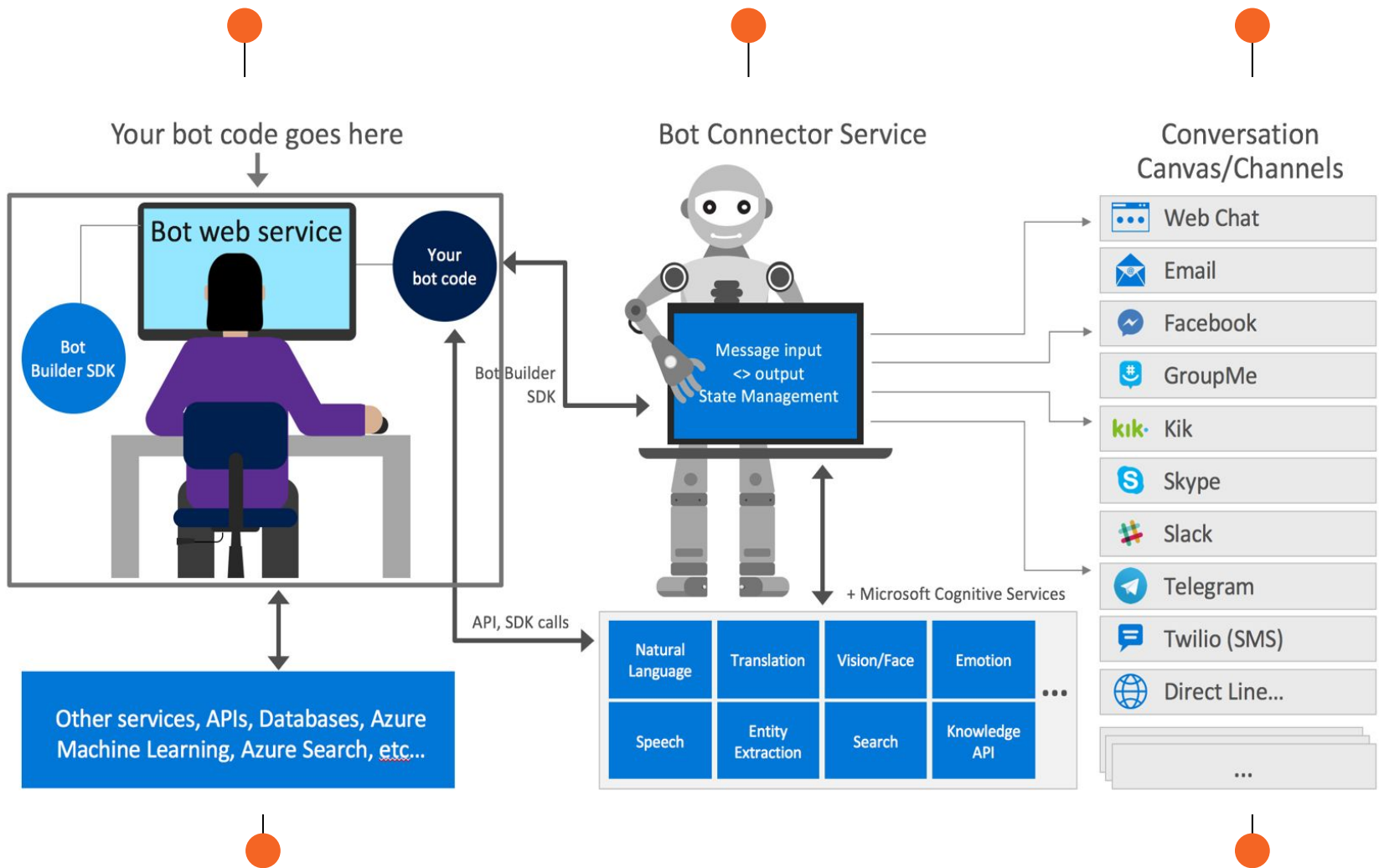
## Deployment

Host on Any Reachable Service or Azure Services

## Connect to Bing

Chat with your bot directly in the Bing search result page.

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# Dialog

## Structure

- IDialog interface

## Dialog Parts

- Introduction or Greetings
  - Context
  - Farewell
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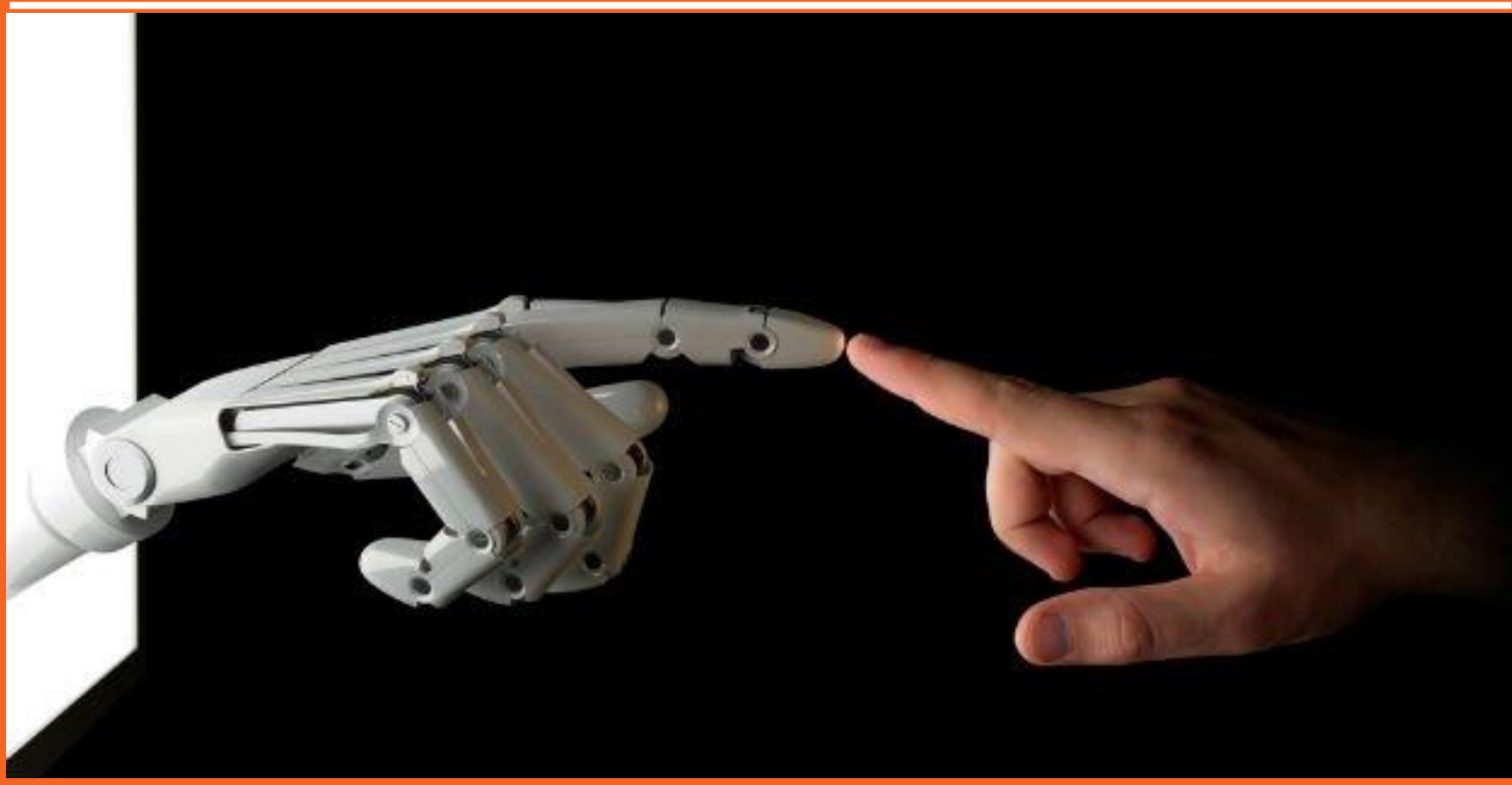
# Microsoft Bot Framework

## BASIC FEATURES

### DEMO

- 1- Easy way (keyword base)
- 2- Middle way (keyword & custom messages)
- 3- Hard way (keyword, custom messages and language understanding)

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# COGNITIVE SERVICES

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# Cognitive Services

- Language Understanding
  - Knowledge Extraction
  - Speech Recognition and Conversion
  - Web Search
  - Image and Video Understanding
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# Language Understanding

LUIS

DEMO

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**THANK YOU**

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