

# Microsoft Bot Framework with LUIS.ai

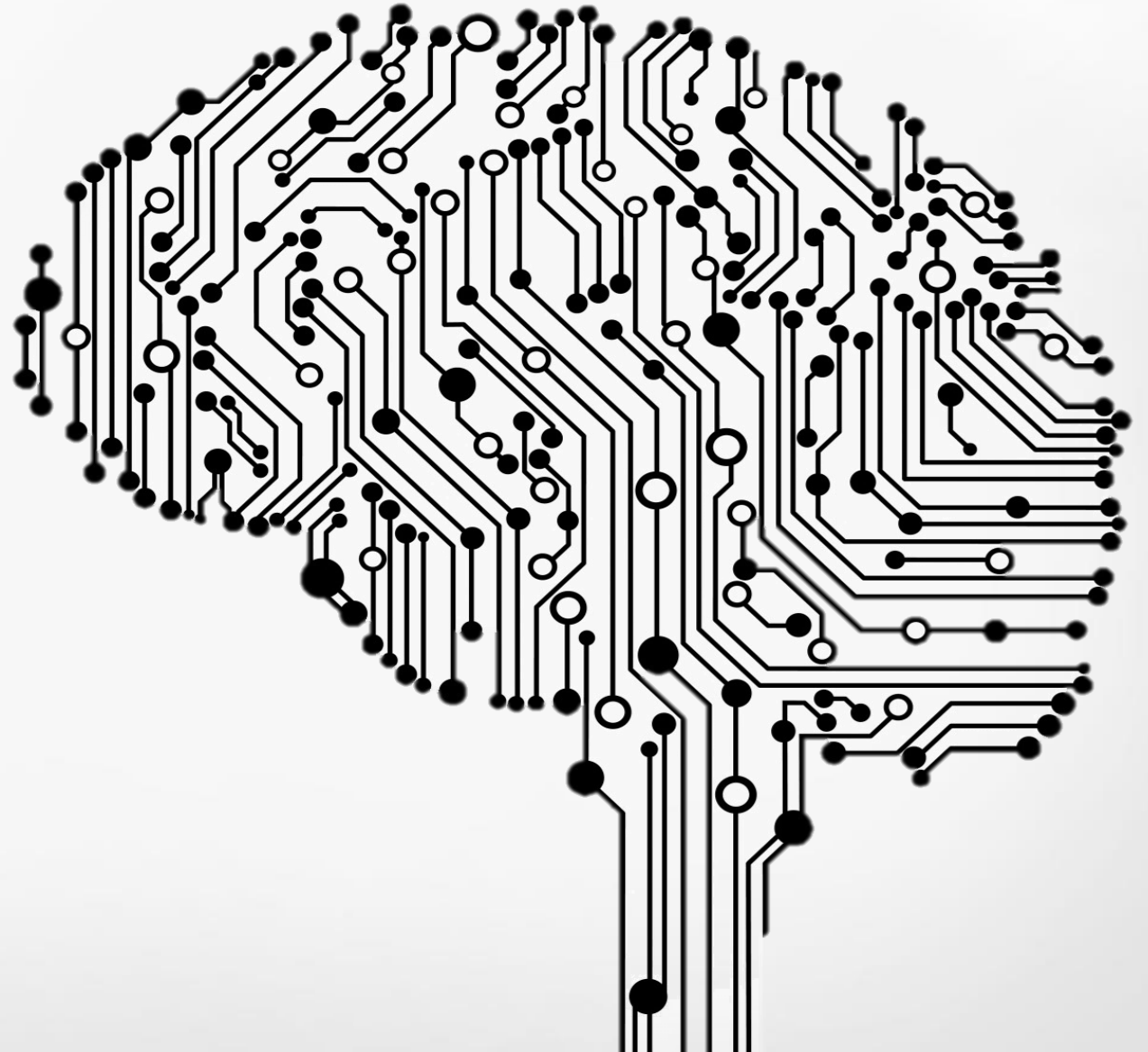
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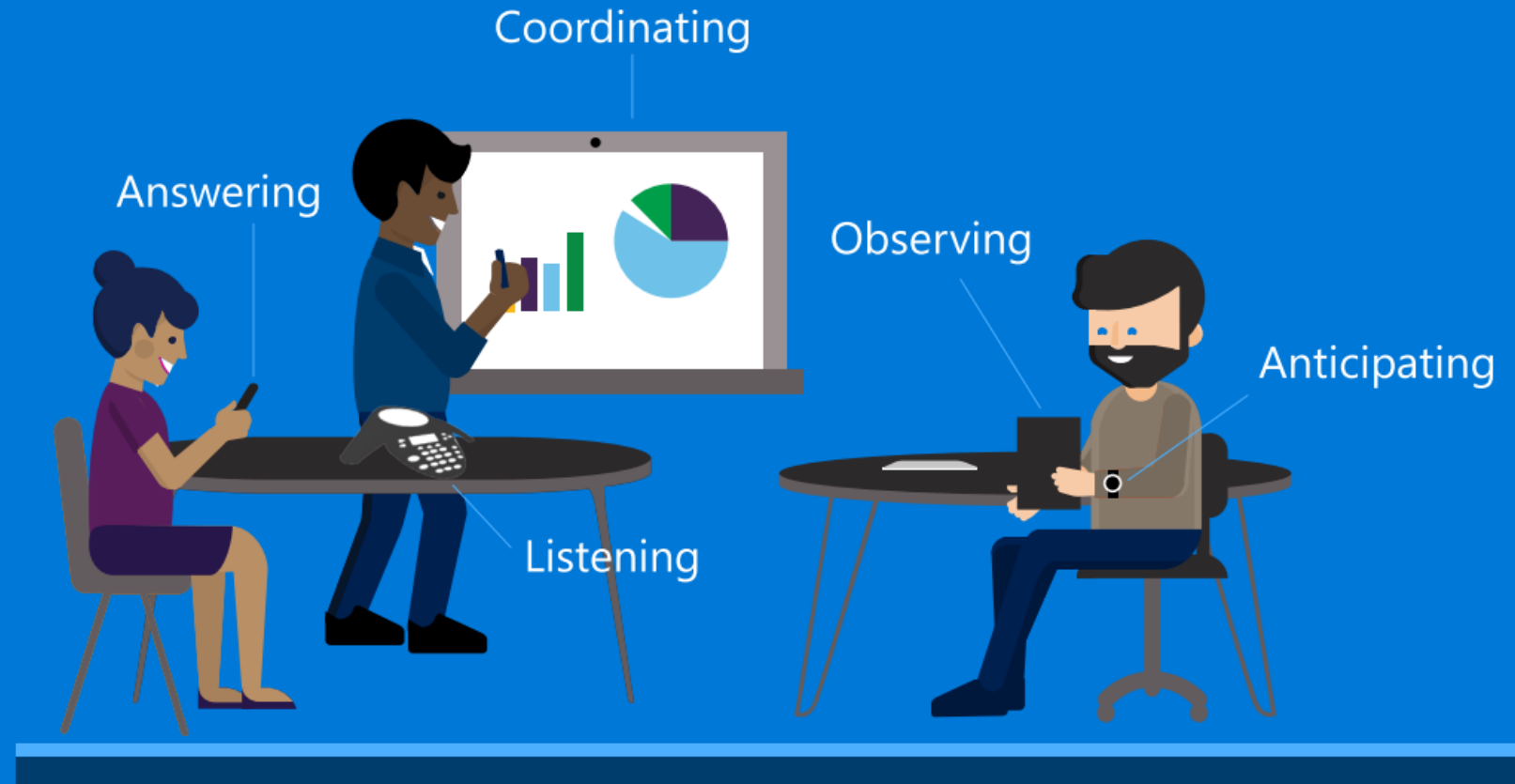
University of Kelaniya



We learn and  
use technology.



**Technology** learns us  
and discovers ways to be helpful.



## 1990s: **Internet**

- Search
- User "visits" websites

## The future: **Conversations**

- Natural language between people and technology
- Conversational canvas
- Bots and agents



## 1980s: **PC**

- Desktop



## 2000s: **Mobile**

- Social
- User download apps from App Stores



# Conversations as a platform



Developers

The new canvas

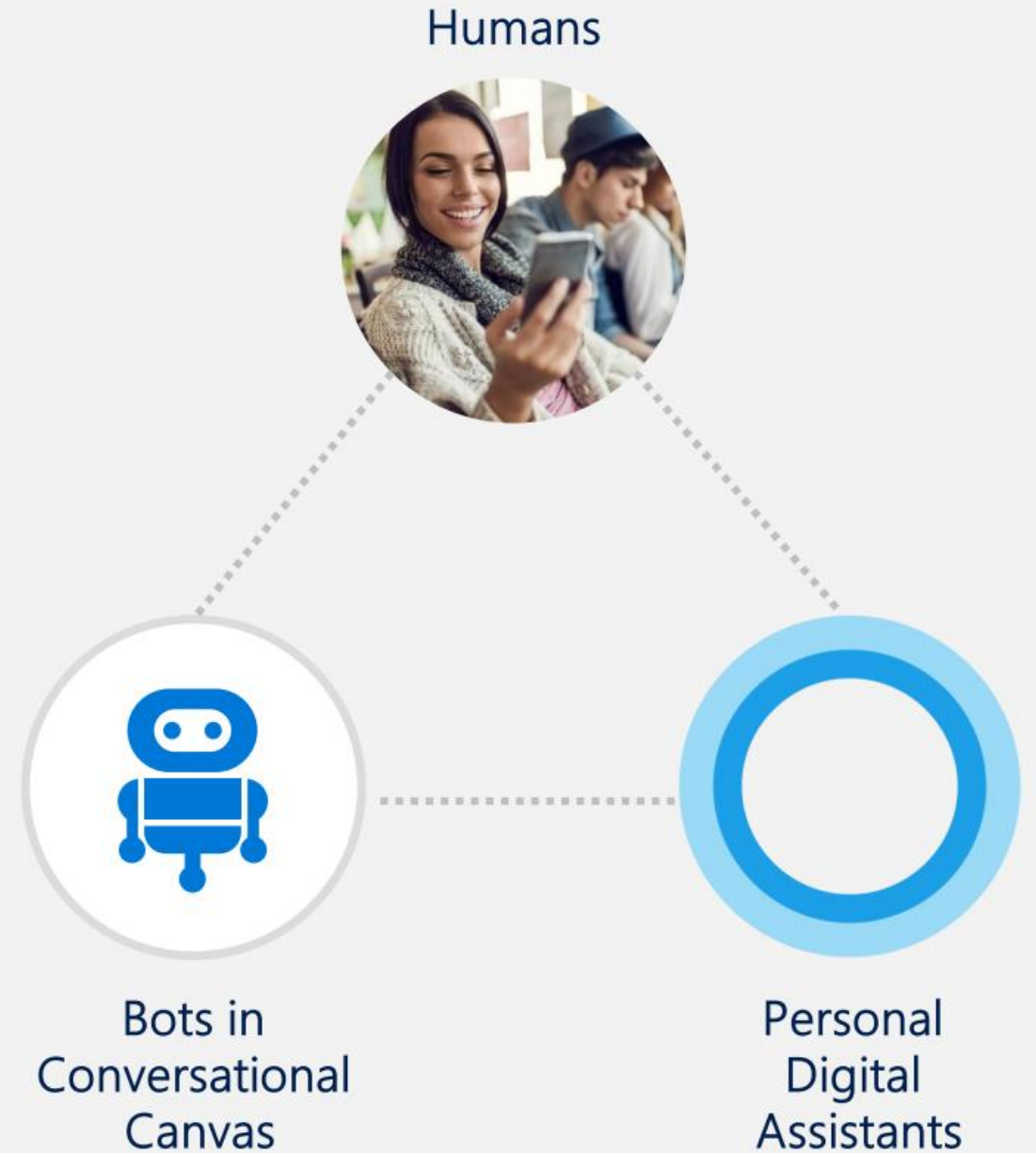
Businesses

The new opportunity









Individuals

More personal way to  
discover, access, and interact

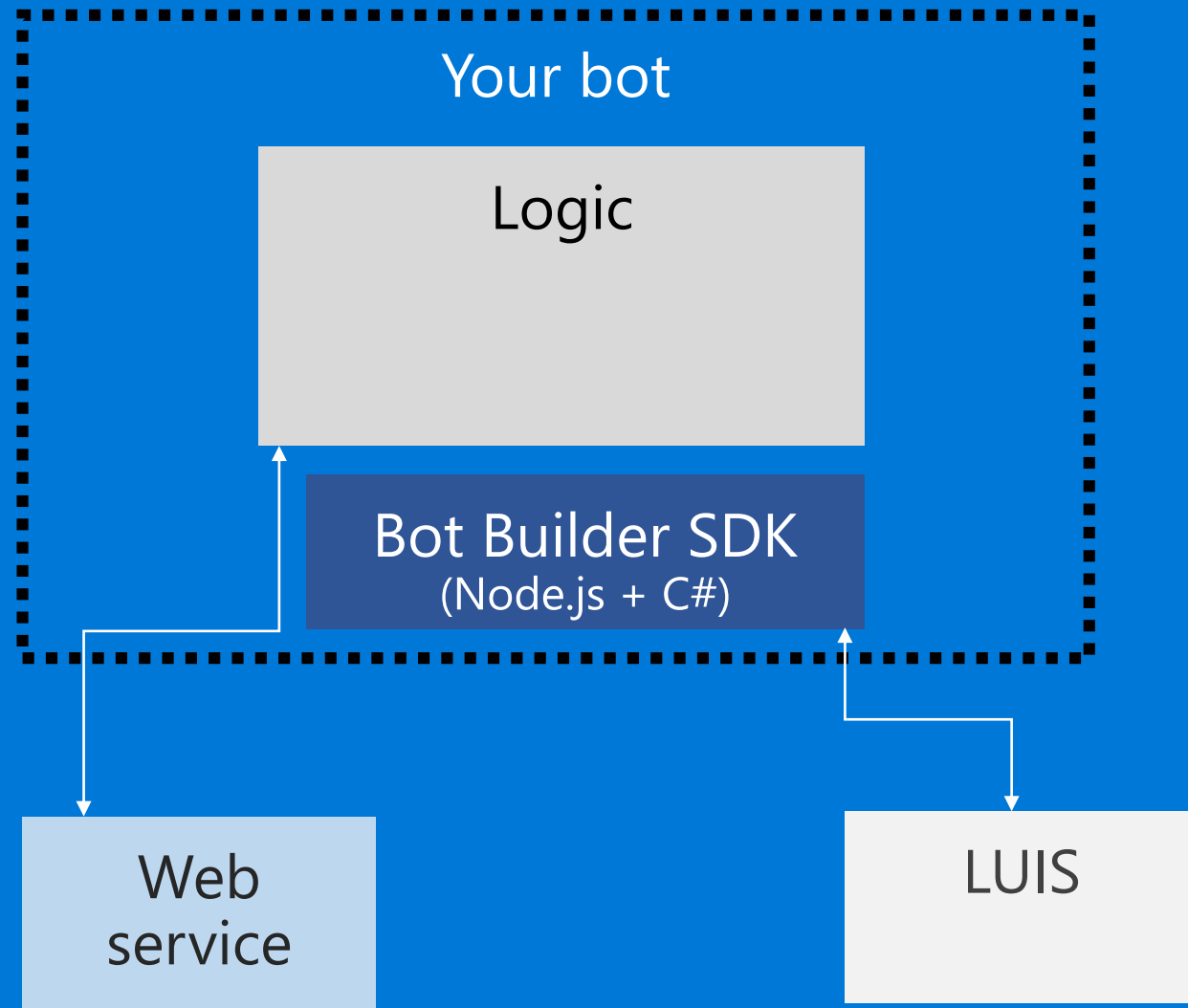
# Conversations as a platform



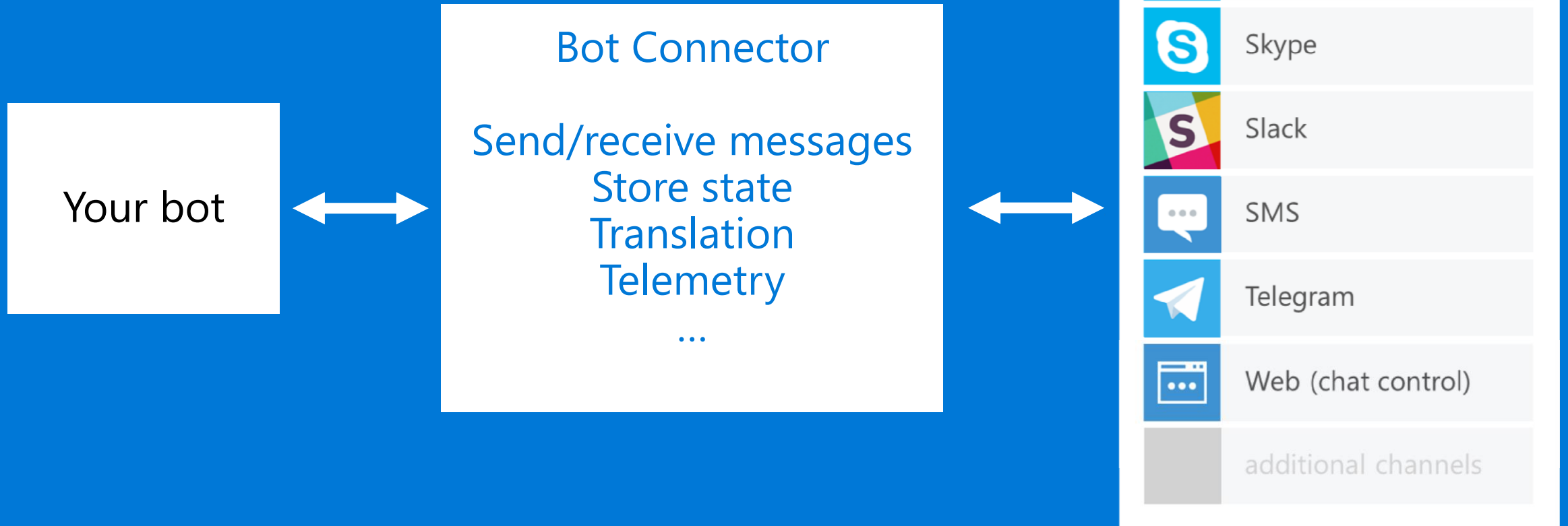
# Build applications that understand people

<div>Intelligence</div> <div> Cognitive Services</div> <div> Bot Framework</div> <div> Cortana</div>	 Vision	 Speech	 Language	 Knowledge	 Search
	Computer Vision	Speaker Recognition	Text Analytics	Academic Knowledge	Bing Search API
	Face	Speech	Bing Speller	Entity Linking Service	Bing Image Search API
	Emotion	CRIS	Web Language Model	Knowledge Exploration Service	Bing Video Search API
	Video	Translation Services	Linguistic Analysis	Recommendations	Bing News Search API
	Content Moderator		Language Understanding Intelligent Service	QnA Maker	Bing Auto Suggest API

- Faces, images, emotion recognition and video intelligence
- Spoken language processing, speaker recognition, custom speech recognition
- Natural language processing, sentiment and topics analysis, spelling errors
- Complex tasks processing, knowledge exploration, intelligent recommendations
- Bing engine capabilities for Web, Autosuggest, Image, Video and News



# Bot Connector





# Prerequisites

- Latest Node.js with NPM
- code editor like VS Code
- Bot Framework Emulator

<https://goo.gl/9nFebh>

Demo

# Creating Intelligence!



LUIS.ai

# LUIS

Language Understanding Intelligence Service

- Identify entities and intents of messages
- Train through GUI or programmatically
- Built in LUIS intent handling in bot framework

Demo

# Other Cognitive Services

## Bing Speech API

- Speech to Text, Text to Speech
- Weighs speech based on context

## Face API

- Face recognition, age
- Up to 64 face per image

## Emotion API

- Returns scores for human emotions in a photo

Many more

<http://www.Microsoft.com/cognitive-services>

# Recourses

- <https://goo.gl/9nFebh>
- <https://mva.microsoft.com/training-courses/getting-started-with-bots-16759>

Q&A