

Intelligent cloud

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Intelligent ?

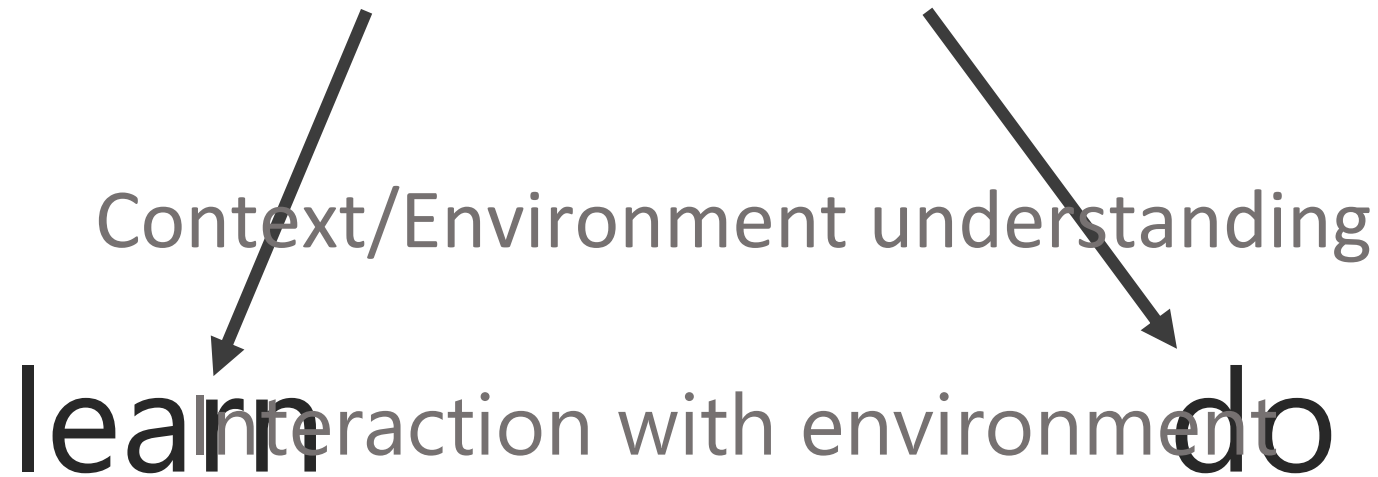
human-like

smart

good with numbers

Intelligence

"The ability to **acquire** and **apply** knowledge and skills"*



* [Online Oxford Dictionary](#)

Bot Framework

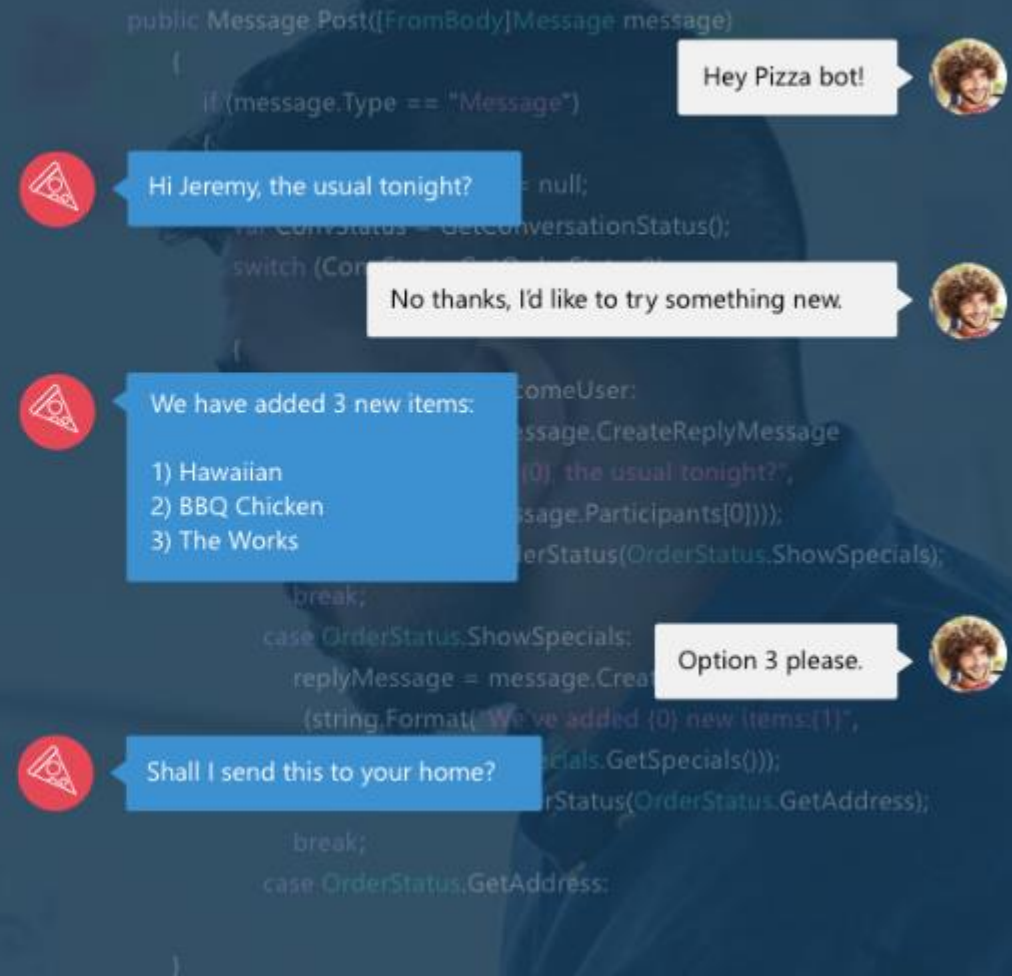
Microsoft Bot Framework

Your bots — wherever your users are talking.

Build and connect intelligent bots to interact with your users naturally wherever they are, from text/sms to Skype, Slack, Office 365 mail and other popular services.

Get started

<https://dev.botframework.com/>



Hey Pizza bot!

Hi Jeremy, the usual tonight?

No thanks, I'd like to try something new.

We have added 3 new items:

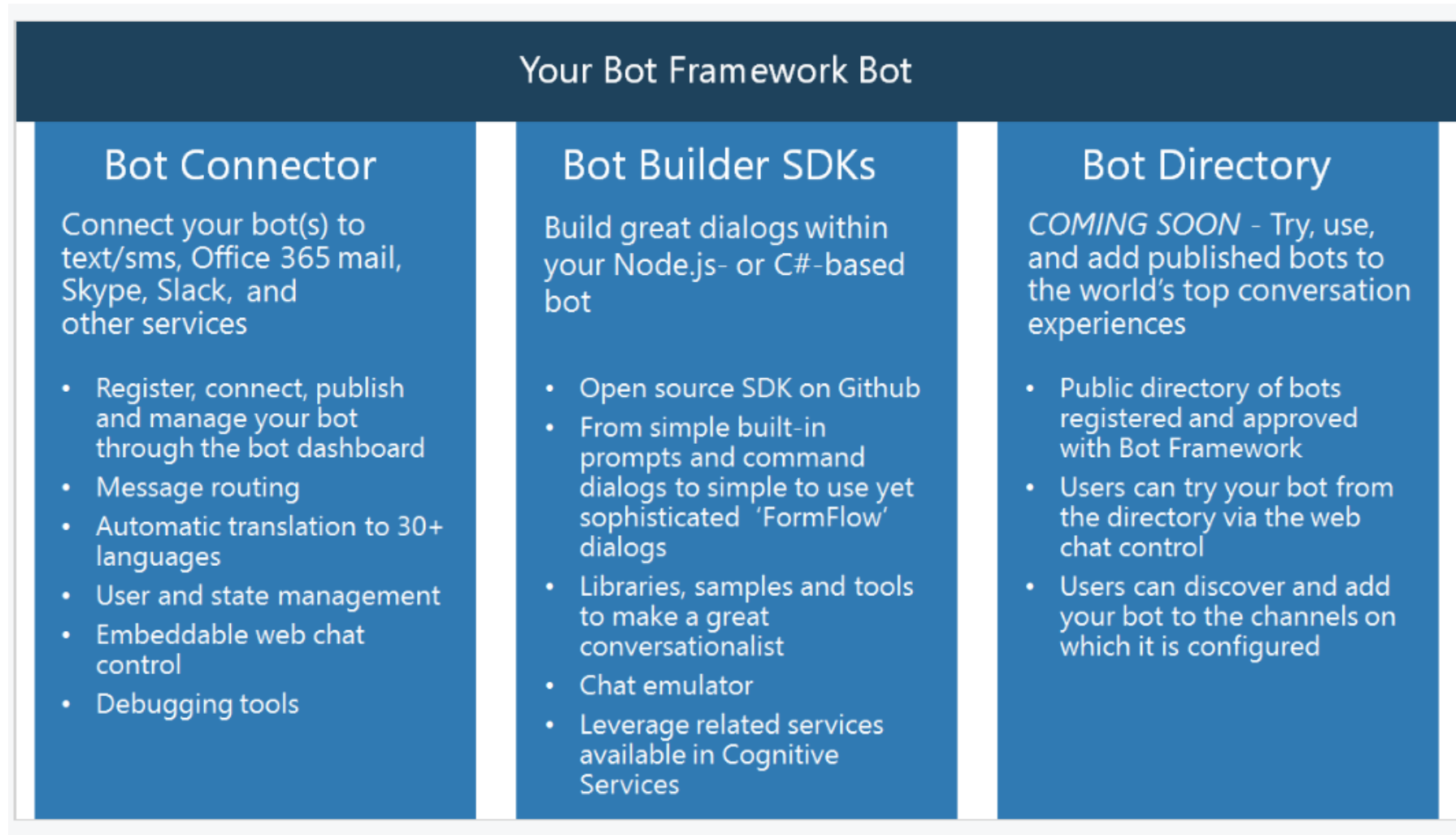
- 1) Hawaiian
- 2) BBQ Chicken
- 3) The Works

Option 3 please.

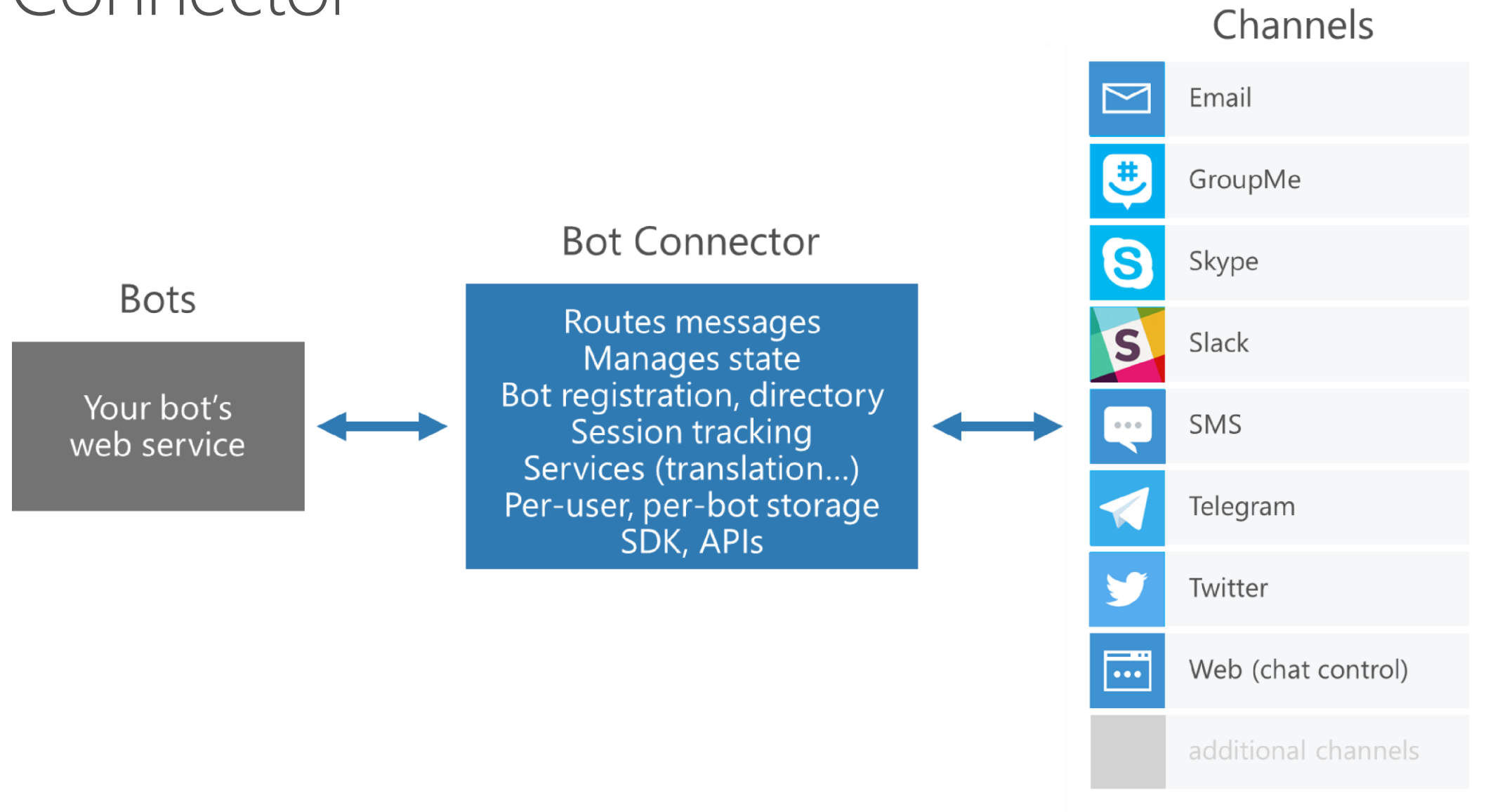
Shall I send this to your home?

```
public Message Post([FromBody]Message message)
{
    if (message.Type == "Message")
    {
        var convStatus = GetConversationStatus();
        switch (ConvStatus)
        {
            case OrderStatus.ShowSpecials:
                break;
            case OrderStatus.ShowSpecials:
                replyMessage = message.CreateReplyMessage(
                    (0), "the usual tonight?",
                    message.Participants[0]));
                convStatus = OrderStatus.ShowSpecials;
                break;
            case OrderStatus.ShowSpecials:
                replyMessage = message.CreateReplyMessage(
                    (string.Format("We've added {0} new items:{1}",
                    convStatus(OrderStatus.GetAddress);
                break;
            case OrderStatus.GetAddress:
                break;
        }
    }
}
```

Components



Bot Connector



Bot Builder SDKs

C# and Node.js

- **Dialogs**

- model a conversational process
- primary channel of interaction with the outside world
- dialog state is persisted in Bot Connector(per-user, per-session etc.)

- **Types of Dialogs**

- Built-in prompts
- LUIS (natural language understanding)
- FormFlow – building guided conversations
- Profile

Bot Directory



[Bot Framework](#)
PREVIEW

[My bots](#)

[Register a bot](#)

[Documentation](#)

[Bot Directory](#)

[Blog](#)

Meet the bots

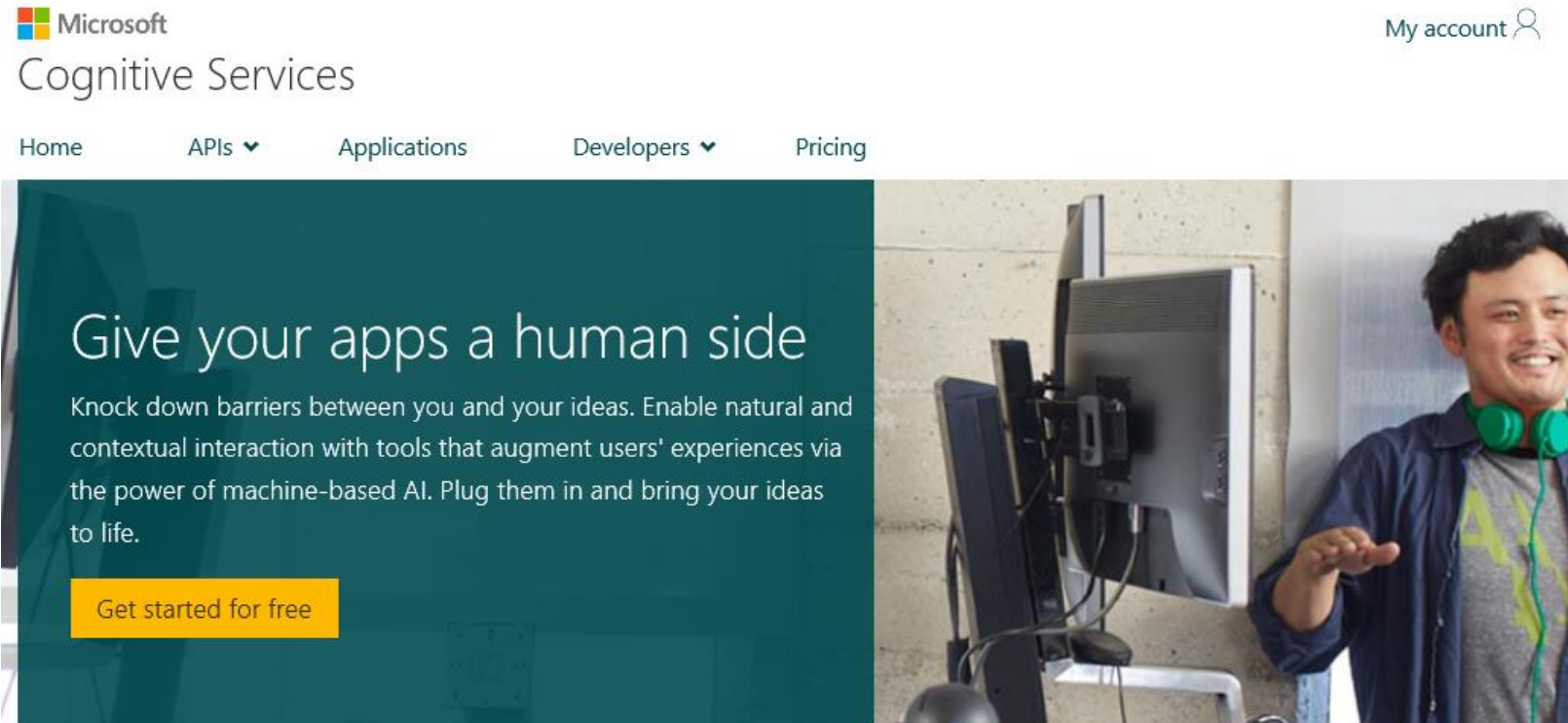
Say hello! Try out a bot and add it to your favorite conversation experiences.

[Developer? Learn how to build and deploy your first bot with the Bot Framework >](#)

Featured bots

	Vision Bot <small>Kik Interactive Inc</small> Vision Bot for image based search, insight and suggestions that uses		Summarize <small>Microsoft</small> No time to read an entire web page? Just send a link to the Summarize		Bing Image Bot <small>Bing</small> Search the web for memes, gifs, stickers, and other images.
	MurphyBot <small>Microsoft</small> Bring "what if" scenarios to life. Some questions can't be answered		Bing News Bot <small>Bing</small> Search the web for the latest news using Bing.		CaptionBot <small>Microsoft</small> I can understand the content of any image and I'll try to describe it as
	BuildBot <small>Microsoft</small> BuildBot can help you navigate the Microsoft Build conference from		Bing Music Bot <small>Bing</small> Search the web, including popular sites like YouTube, Vevo, LyricFind,		

Cognitive services



Put intelligence APIs to work

Microsoft Cognitive Services let you build apps with powerful algorithms using just a few lines of code. They work across devices and platforms such as iOS, Android, and Windows, keep improving, and are easy to set up.

Cognitive Services

Give your solutions
a human side

Microsoft Cognitive Services preview



Vision

From faces to feelings, allow your apps to understand images and video



Speech

Hear and speak to your users by filtering noise, identifying speakers, and understanding intent



Language

Process text and learn how to recognize what users want



Knowledge

Tap into rich knowledge amassed from the web, academia, or your own data



Search

Access billions of web pages, images, videos, and news with the power of Bing APIs

Cognitive Services

Give your solutions
a human side

Microsoft Cognitive Services preview



Vision

Computer Vision | Emotion | Face | Video



Speech

Custom Recognition | Speaker Recognition
Speech



Language

Bing Spell Check | Language Understanding
Linguistic Analysis | Text Analytics | Web Language Model



Knowledge

Academic Knowledge | Entity Linking
Knowledge Exploration | Recommendations



Search

Bing Auto Suggest | Bing Image Search | Bing News Search
Bing Video Search | Bing Web Search

Cortana Intelligence Suite

