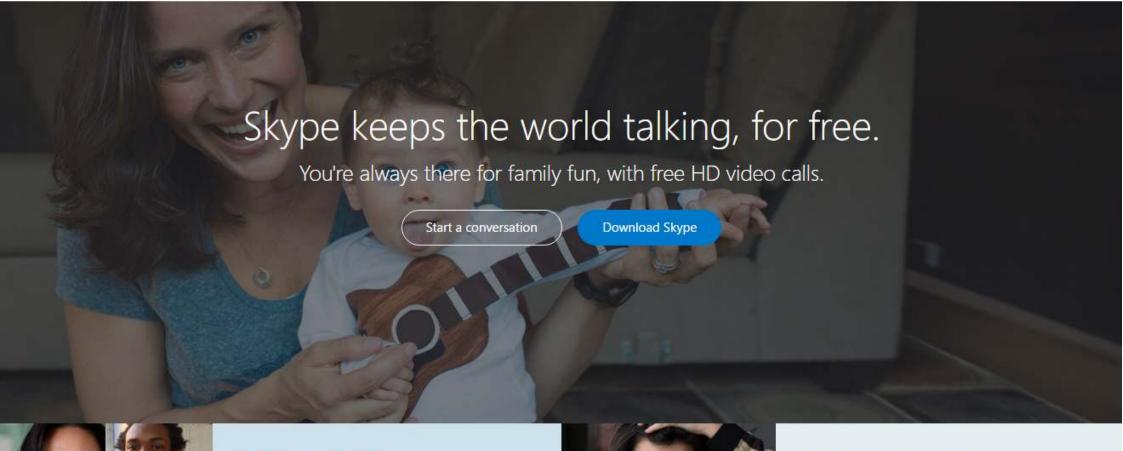
Data and Language Innovation at Skype

Mike Hyde Formerly Director of Data and Insights at Skype, Microsoft

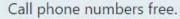




Invite anyone to a call.

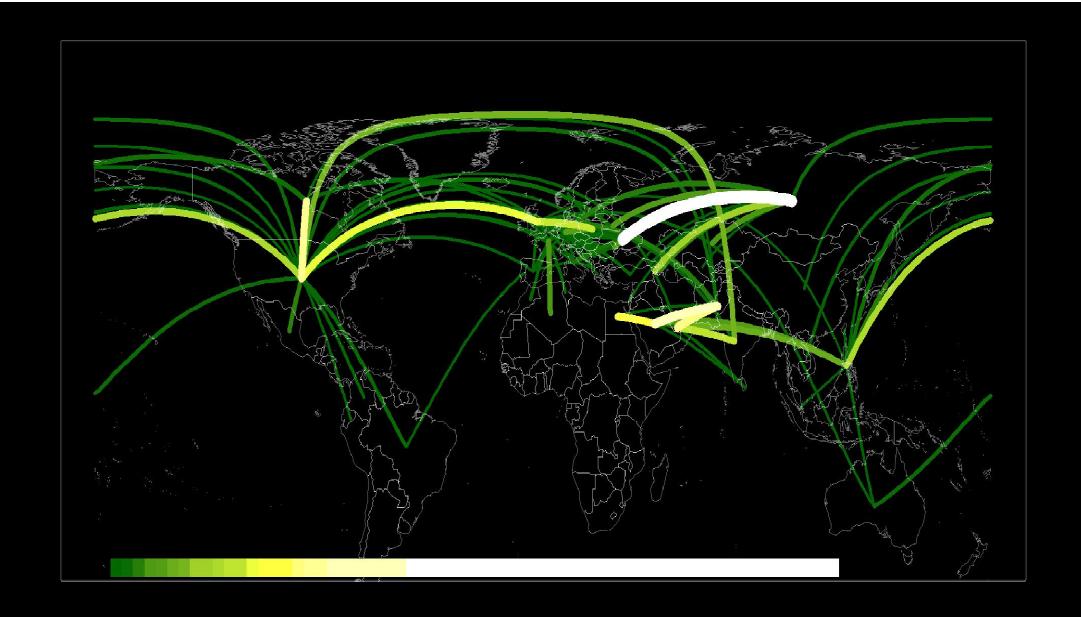
Now it's easier to start a chat or call on Skype.

Start a conversation

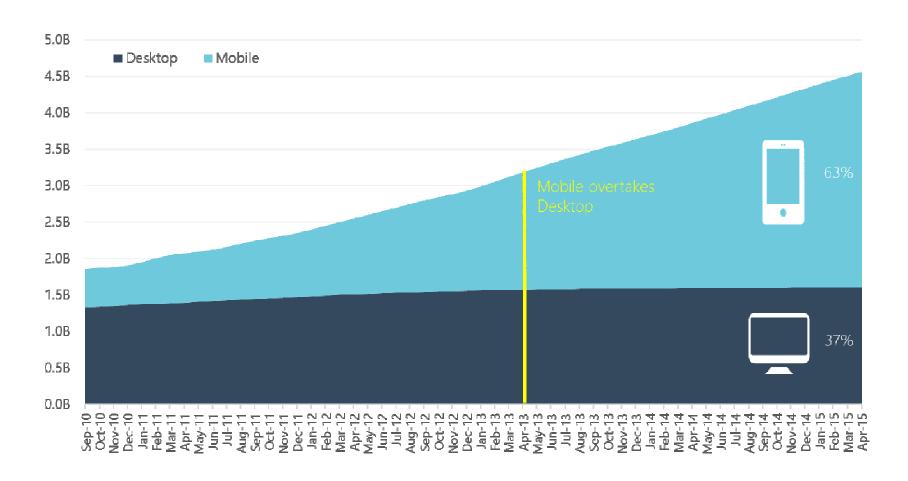


Try it for yourself with our World Unlimited Minutes offer, any day, any time.

See the World Unlimited Minutes offer

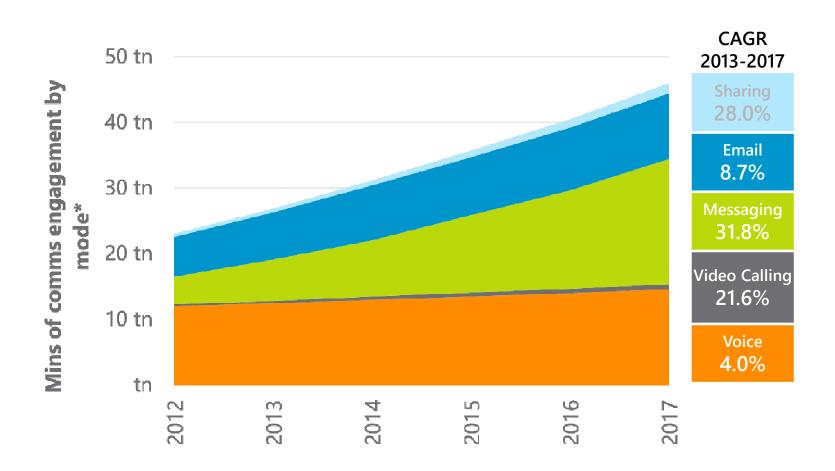


The Internet is changing



vs. 7Bn global population

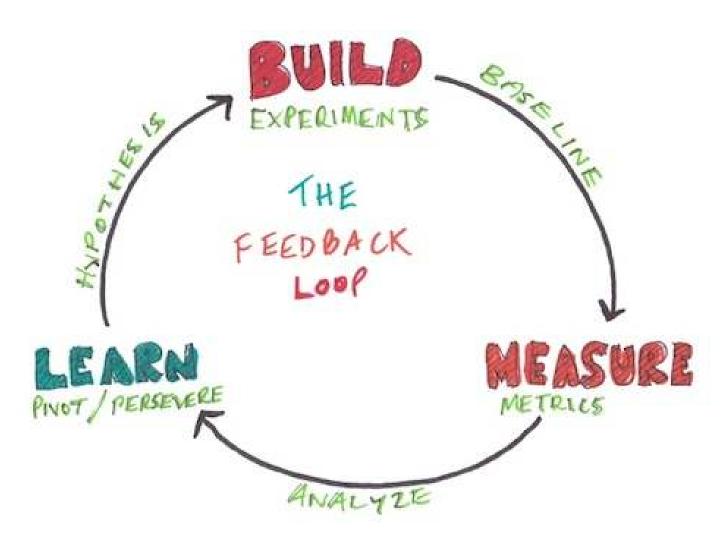
Communication is changing



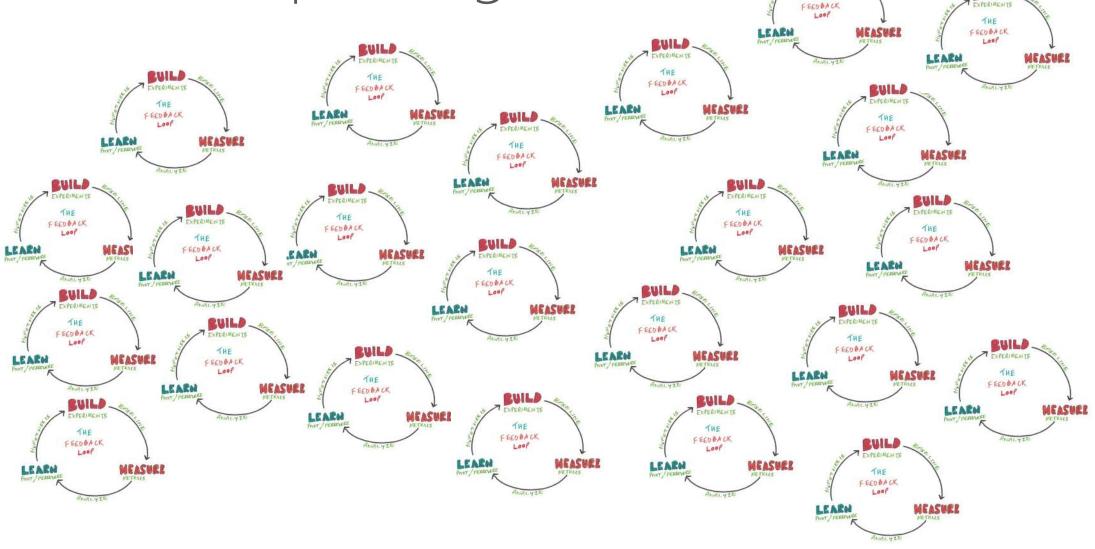
The competition is changing



The Agile and Lean approach



The decoupled org



BUILD

BUILD

Scaling the data strategy

1. Data management

- Do you have a scalable data platform?
- Do you have good rigour and quality?
- Do you support rapid innovation?

2. People

- What skills do you need in the core team versus the whole org?
- Centralisation vs distribution

3. Culture

- How do you drive a performance focus with accountability of results?
- How do you create an environment which is open to learning?

Re-engineering conversation: Solving the language barrier



Microsoft's Skype Translator now speaks Russian

JORDAN NOVET OCTOBER 11, 2016 12:00 AM

TAGS: MICROSOFT, SKYPE, SKYPE TRANSLATOR



Now speaking...

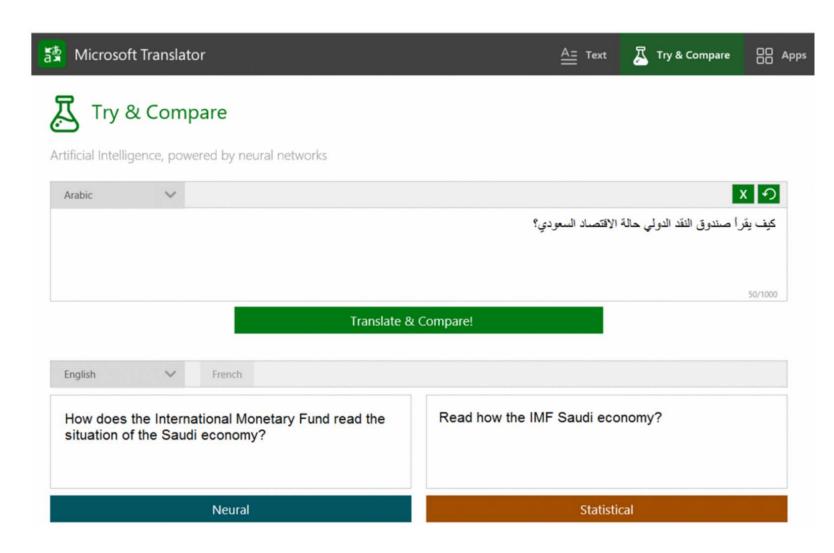
- English
- French
- German
- Italian
- Mandarin
- Portuguese
- Spanish
- Arabic
- Russian
- +50 text languages



Future for Translator

Recent shift to Neural Network

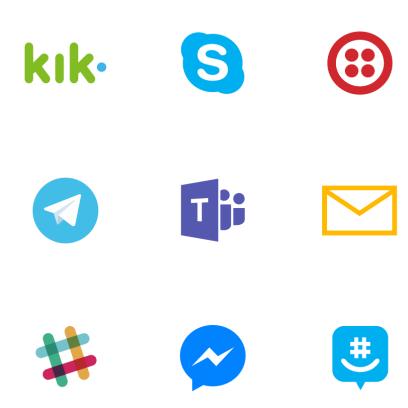
- Neural networks are making major advances in translation quality over the existing industry-standard Statistical Machine Translation (SMT) technology.
- Neural networks better capture the context of full sentences before translating them, providing much higher quality and more human-sounding output.
- Available as Microsoft Translator API on Azure

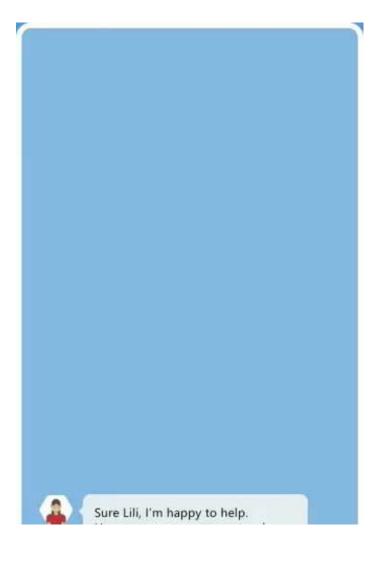


Re-engineering conversation: Al powered Conversation



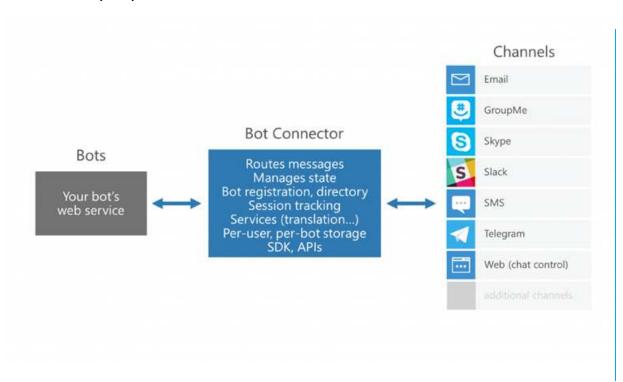
"Bots are the new Apps"



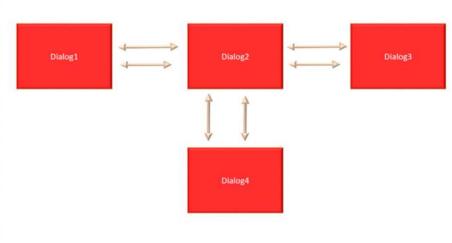


Bot Framework: build once, talk everywhere

General purpose bot framework



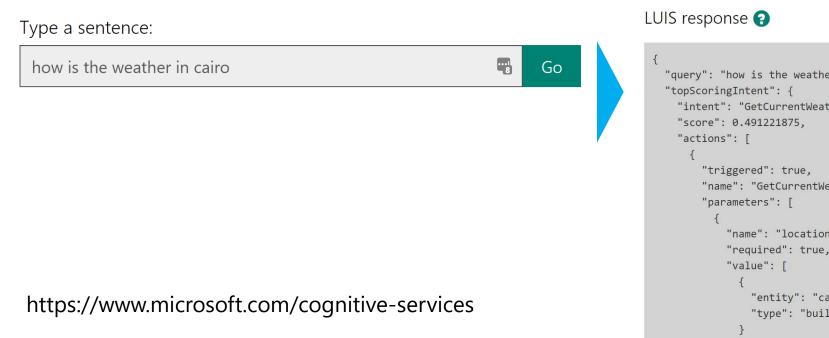
Simple dialogue model



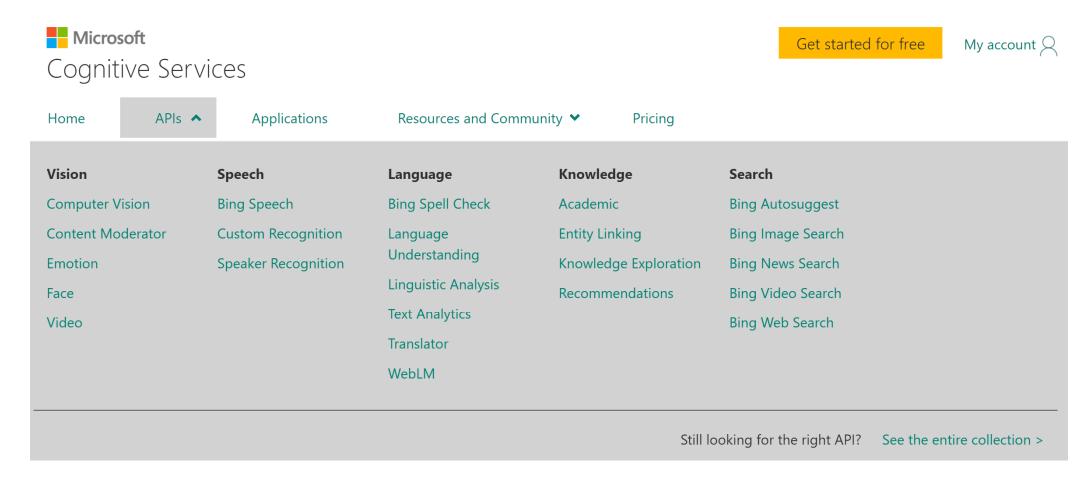
https://dev.botframework.com/

Language Understanding Intelligence Service

Create language models to map natural language to intents in your app. Available as API with other cognitive services



Growing set of APIs for AI



https://www.microsoft.com/cognitive-services

Thank you



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