

# Использование Cognitive Services API

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# Для чего мы используем Cognitive Services?

- ▶ Приложения становятся «умнее»
- ▶ Приложения не нагружаются большим количеством данных и алгоритмов
- ▶ Они облегчают работу с интеллектуальными алгоритмами.

# Microsoft Cognitive Services

Give your apps  
a human side



## 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



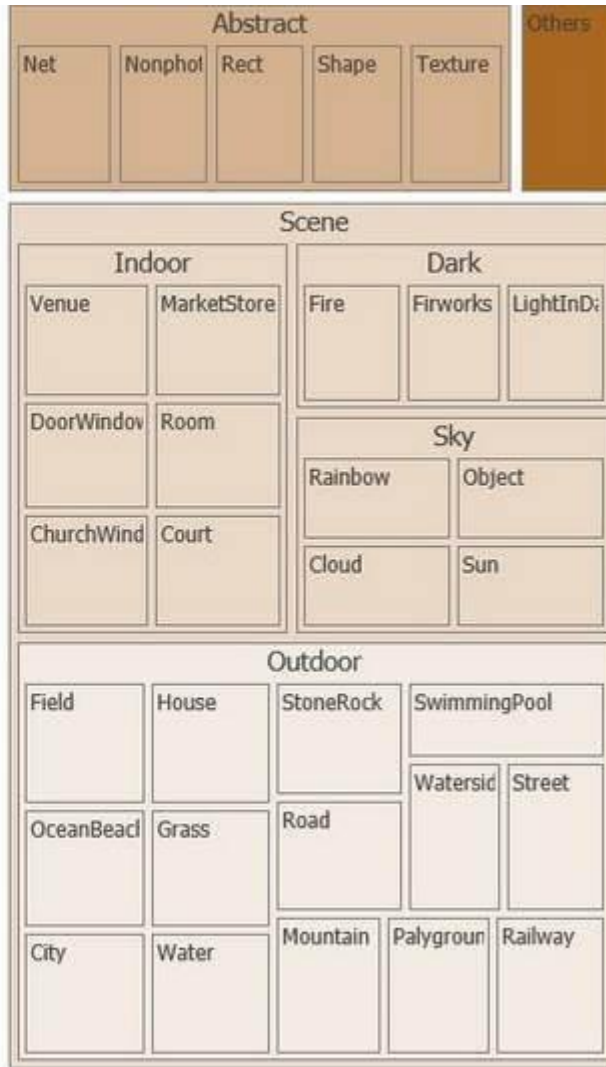
## Knowledge

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

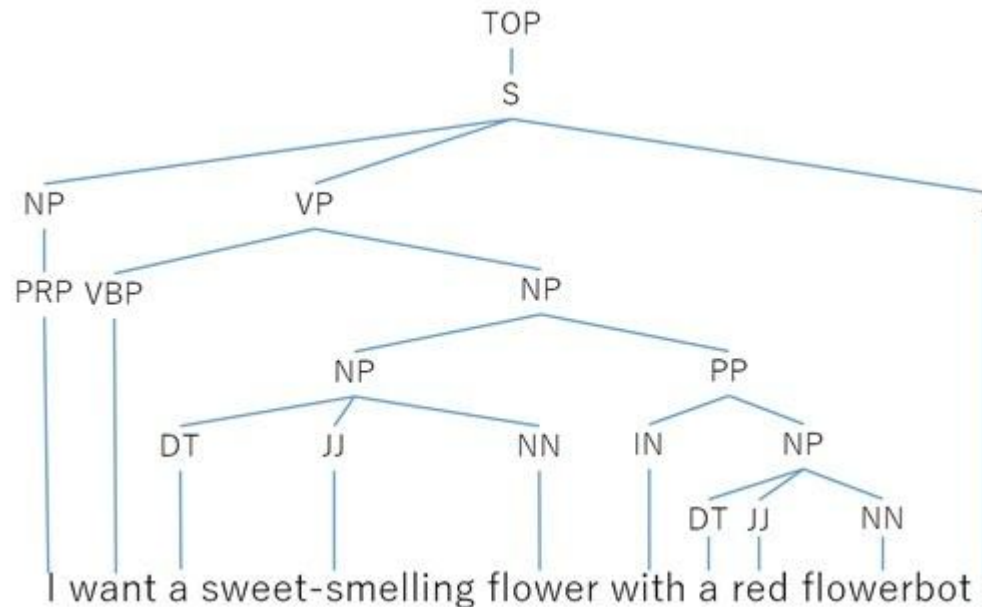
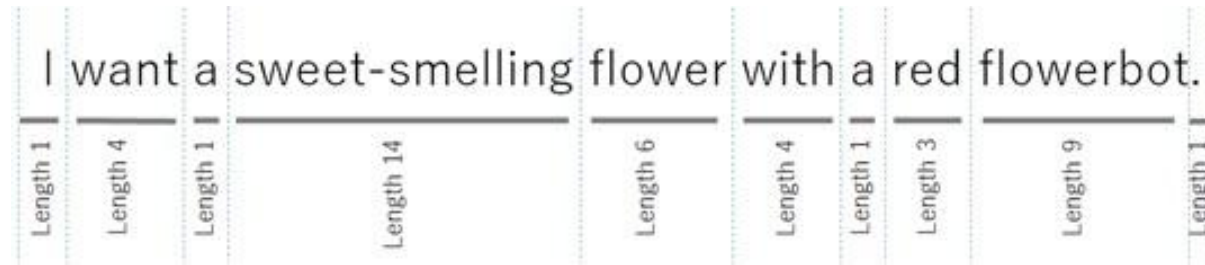


## Search

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



# I want a sweet-smelling flower with a red flowerpot.





# Watson

Build cognitive apps that help enhance, scale, and accelerate human expertise



IBM Watson



AlchemyAPI  
**IBM**



Concept Expansion  
**IBM BETA**



Concept Insights  
**IBM**



Dialog  
**IBM**



Language Translation  
**IBM**



Natural Language Classifier  
**IBM**



Personality Insights  
**IBM**



Question and Answer  
**IBM BETA**



Relationship Extraction  
**IBM BETA**



Retrieve and Rank  
**IBM**



Speech To Text  
**IBM**



Text To Speech  
**IBM**



Tradeoff Analytics  
**IBM**



Visual Recognition  
**IBM BETA**



Cognitive Commerce™  
**Third Party**



Cognitive Graph  
**Third Party**



Cognitive Insights™  
**Third Party**



# Google Cloud Platform

## Use your own data to train models



TensorFlow



Cloud Machine Learning Engine

## Ready to use Machine Learning models



Cloud Vision API



Cloud Speech API



Cloud Jobs API



Cloud Translation API



Cloud Natural Language API



Cloud Video Intelligence API



Coming soon

# Что внутри?

- ▶ **Машинное обучение**
- ▶ **Обработка естественного языка**
- ▶ **Распознавание речи**
- ▶ **Компьютерное зрение**
- ▶ **Автоматическое принятие решений**