

<http://bit.ly/HACKVIVATECH>



Cisco Challenge at Hack Vivatech

Workshop June 6th 2017

Jérémie Garnier, Gaëtan Feige, PE Lieb, Stève Sfartz
Cisco DevNet, Recast



Cisco Spark

Complete & Simple



Message

1:1 and team messaging



Meeting

Audio, video, and web meetings



Call

Cloud-based phone system

Secure & Open



Spark for Developers

User Integrations, APIs/SDKs...



Partner Services

Interconnect



Spark Hybrid Services

Cloud + Prem

Cisco Spark REST API



GET

POST

PUT

DELETE

‘Your App’
now with
Cisco Collab!

/People

/Memberships

/Rooms

/Messages

/Teams

/Webhooks

<https://developer.ciscospark.com/>

My first bot: Daisy



Olivia (@gmail.com) 19/05/2016, 19:17

Bonjour Daisy



Daisy (@gmail.com) 19/05/2016, 19:17

Bonjour, je vais très bien aujourd'hui !



You 20/05/2016, 19:03

Daisy je voudrais voir un chien et un chat ensemble



Daisy (@gmail.com) 20/05/2016, 19:03



Educational purpose

- *Typing on Keyboard*
- *French spelling*

There's a bot for that



You 10:33

DJsHomeBot cam frontdoor



DJsHomeBot (bot) 10:33

COMPUTER SAYS: I will upload a
frontdoor security cam picture



DJsHomeBot (bot) 10:34



You 10:34

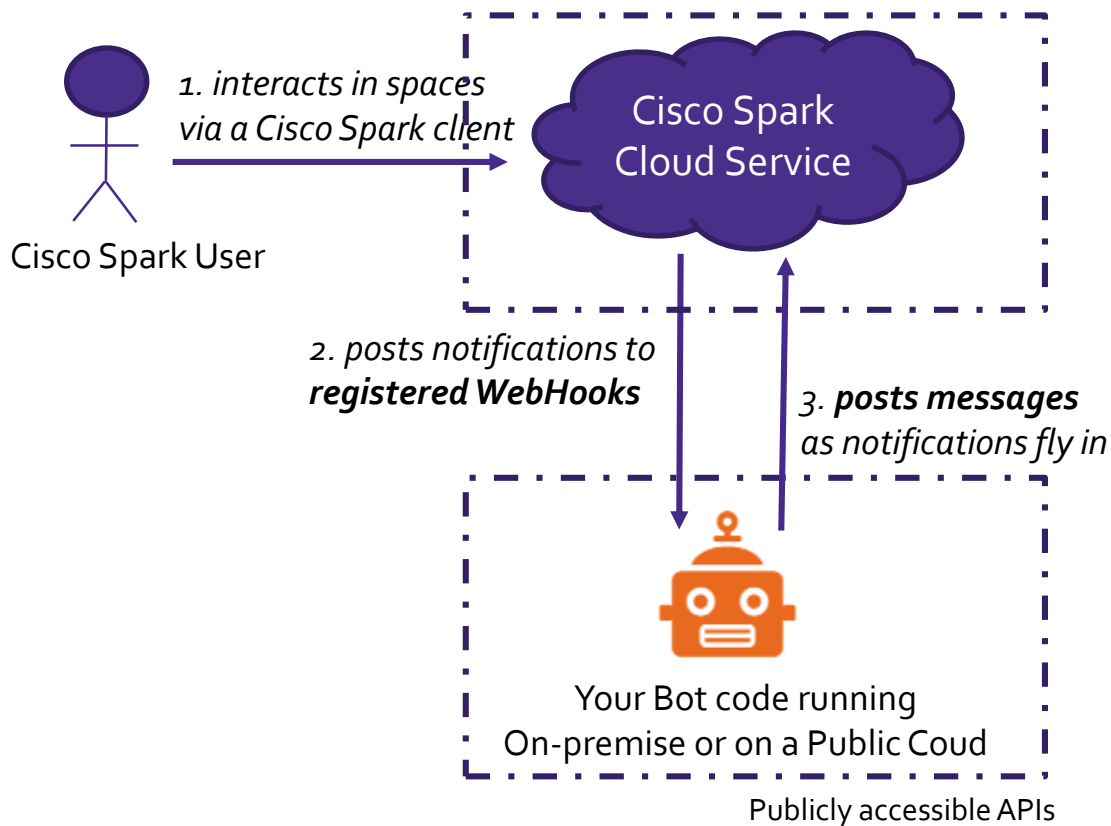
DJsHomeBot toilet2



DJsHomeBot (bot) 10:34

COMPUTER SAYS: Today, DJ's upstairs
toilet flushed 0 times

Bot Architecture: Webhooks



- Register events your bot is interested to listened to
 - Messages / created
 - Memberships / created
- As events happen in spaces, receive notifications from Cisco Spark

Meet the CiscoDevNet bot

<https://github.com/CiscoDevNet/node-sparkbot-samples>



You 15:44

/next 9



CiscoDevNet (bot) 15:44

heard you! asking my crystal ball...

9 upcoming events:

- May 23 - May 24: [DevNet Create](#), San Francisco Bay Area (United States)
- May 31 - Jun 02: [Open Source Summit](#), Tokyo (Japan)
- Jun 06 - Jun 07: [DevNet Express DNA Programmability](#), Seattle (USA)
- Jun 07 - Jun 08: [DevNet Express DNA Programmability](#), Buenos Aires (Argentina)
- Jun 07 - Jun 08: [DevNet Express DNA Programmability](#), Bogota (Colombia)
- Jun 13 - Jun 14: [DevNet Express DNA Programmability](#), Osaka (Japan)
- Jun 15 - Jun 16: [DevNet Express DNA Programmability](#), Copenhagen (Denmark)
- Jun 19 - Jun 20: [DevNet Express DNA Programmability](#), Pretoria (South Africa)
- Jun 24 - Jun 25: [DevNet Express Cloud Collaboration for ITPros](#), Las Vegas (USA)

Enrich with conversations

<https://github.com/CiscoDevNet/botkit-ciscospark-samples>



You 02:40

Playground /next



Playground (bot) 02:40

heard you! asking my crystal ball...

4 upcoming events:

1. Feb 18 - Feb 19: [DevNet Express DNA Programmability](#), Berlin (Germany)
2. Feb 18 - Feb 19: [DevNet Express Cloud Collaboration for ITPros](#), Berlin (Germany)
3. Feb 20 - Feb 24: [DevNet Zone at Cisco Live](#), Berlin (Germany)
4. Mar 07 - Mar 10: [DevNet Zone at Cisco Live](#), Melbourne (Australia)

Type about [number] for more details



You 02:40

Playground /about 2



Playground (bot) 02:40

about **DevNet Express Cloud Collaboration for ITPros**

training in Berlin (Germany) from saturday Feb 18, 9:00AM till sunday Feb 19, 5:00PM

The 2-day event will bring together Cisco Spark and Tropro - and show you how to develop using the APIs. The business value of Cloud Collab APIs (uses cases/demos): Cisco Spark API concepts, Automating Cisco Spark capabilities with scripts, Automating

Community frameworks for Cisco Spark

Flint

First Bot framework for Cisco Spark

Highly tuned for the Cisco Spark API (webhooks events, moderation...)

Basic Key/Value data store

Coding best practices (ES6, exception handling, logs, retries, rate limitation)

BotKit

Largest community Bot framework

Cross platform support with code reuse (no magic convert button: events name, message formatting)

Advanced Key/Value data store (user / space level)

Powerful conversational paradigm

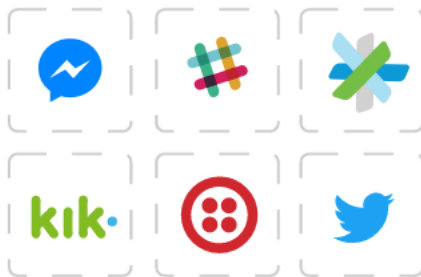
Recast.ai Platform

No more dumb bots

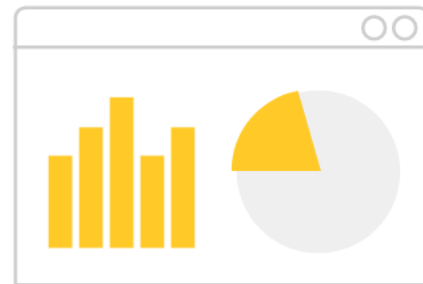
Easily create bots that truly understand humans



Understand all user inputs
by training your bot



Connect to the most popular
messaging channels



Improve your bot by
monitoring its performance

Developers first

Our custom AI understands user speech to provide actionable data



I want to go to San Francisco

curl://



php



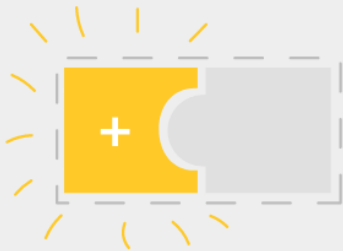
```
const recastai = require('recastai')

const client = new
recastai.request('7eb8a157d82f1b52218413a4c68b880a')

client.converseText("I want to go to San Francisco")
  .then(function(res) {
    console.log(res.raw)
  })
```

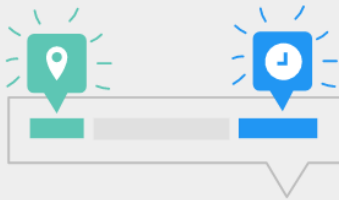
```
{
  "intents": [
    {
      "slug": "travel",
      "confidence": 0.97
    }
  ],
  "replies": [
    "Let's go!"
  ],
  "sentiment": "neutral",
  "entities": {
    "pronoun": [
      {
        "gender": "unknown",
        "raw": "I",
        "number": "singular",
        "person": 1,
```

All you need to quickly start building bots



Community template

Get building blocks from the community and fork a [bot template](#)



Conversational NLP

Make your bot understand [custom queries](#)



Dialog management

Create your conversational flow with [Bot Builder](#)



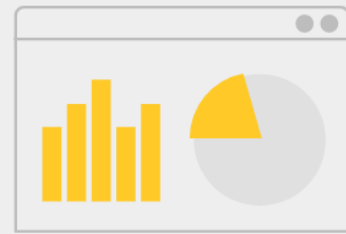
Channels integrations

Reach out the world on messaging apps with [Bot Connector](#)



Fully hosted bot

Hassle free hosting and code deployment with our [Bot Hosting](#)



Analytics dashboard

Get incredible insights on user behavior with the [Bot Analytics](#)

Embed Spark Calls & Videos into your apps



Spark Widgets & SDKs



Calling

- Calling
- Call Events



Call & Media Controls

- Call Control
- Audio Control
- Video Control



Other Functions

- Persistent registration
- Feedback



Specs

iOS SDK - swift

- iOS 9 and 10

Widgets & JS SDK

- React, WebRTC
- Chrome - current
- Firefox - current

CODECS

- H264
- Opus

Cisco Spark Mentors / June 16,17th / Paris

<http://bit.ly/HACKVIVATECH>



stsfartz@cisco.com
@SteveSfartz



dahoff@cisco.com
@DaveHoff



Jérôme Houdan
Recast



Merci



Rendez-vous
les 16 et 17 juin sur Vivatech