



DevNet

developer.cisco.com

@CiscoDevNet

@CiscoSparkDev



Cisco @dotJS.io 2016



@SteveSfartz, @tmero, @aroach



Cisco Spark



400,000 Members

DevNet Zone at Cisco Lives



Developer Portal



- Dev Centers
- Support Centers

API Documentation
Project Showcases



DevNet Kids, IEEE
Women in
Engineering



Learning labs
Springboards & Sandbox



Forums, Community blogs



Hackathons, CodeCamps
DevNet Express



Standards & Open Source





Complete & Simple



Message

1:1 and team messaging in virtual rooms



Meeting

Audio, video, and web meetings



Call

A Cloud-based phone system

Secure & Open



Spark for Developers

User Integrations, APIs/SDKs, etc.



Partner Services

Interconnect



Spark Hybrid Services

Cloud + Prem

Spark APIs

Extend Cisco Collaboration Cloud



GET

POST

PUT

DELETE

‘Your App’
now with
Cisco Collab!

/People

/Memberships

/Rooms

/Messages

/Teams

/Webhooks

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



Casey Bleeker 13:36

MemeBot When I want to learn how to win \$4000, I visit <http://CS.CO/how2hack> | most interesting man



MemeBot (bot) 13:36



MemeBot





You 15:57

CiscoDevNet /now

NEW MESSAGES



CiscoDevNet (bot) 15:57

heard you! let's check what's happening now...

1 event is running now:

- Dec 3 - Dec 4: [TechCrunch Disrupt Hackathon](#), London (UK)



You 15:57

CiscoDevNet /next



CiscoDevNet (bot) 15:57

heard you! asking my crystal ball...

5 upcoming events:

- Dec 5 - Dec 5: [DotJS](#), Paris (France)
- Dec 7 - Dec 9: [Digital Network Architecture \(DNA\) DevNet Express](#), Bangalore (India)
- Dec 9 - Dec 11: [City'zen Bots Hackathon](#), Paris (France)
- Dec 12 - Dec 14: [Digital Network Architecture \(DNA\) DevNet Express](#), South Tower (Singapore)
- Dec 13 - Dec 14: [Digital Network Architecture \(DNA\) DevNet Express](#), Brussels (Belgium)

Join the Cisco DevNet code labs

<https://bit.ly/labs2511>

From ZERO to Enterprise ChatBots with Cisco Spark APIs

In these labs serie, you'll go through the various steps to build Chat Bots for Cisco Spark: create a Bot account, register it into Cisco Spark, run your own bot locally, deploy it live...

1. **Introduction to Cisco Spark Apps (15min)**: in this lab, we will take a few steps back to present Cisco Spark's extensibility "Big Picture", As we introduce Cisco Spark API, you will use the interactive documentation to experience Cisco Spark programmability. We'll then go through a few use-cases, and drill into the fundamentals of Cisco Spark Apps. After this lab, you should have enough knowledge to easily navigate among Cisco Spark Learning Labs, as well as broader technical resources such as "Spark for Developers" and DevNet 's "Cisco Spark Community of Interest".
2. **Run a Cisco Spark Bot locally (15min)**: as introduced earlier, Cisco Spark Bots are applications that invoke the Cisco Spark API under a Bot account identity. In this lab, you will learn to run your own Cisco Spark Bot by taking several steps: create a Bot account, run a sample Cisco Spark bot on your local machine, expose your bot to the internet., and register two Webhooks in order to have Cisco Spark post notifications to your bot. Finally, you will interact with your bot.
3. **Run and deploy a Cisco Spark Bot on Cloud9 (25 min)**: in this lab, you will learn to run your own Cisco Spark Bot by taking several steps: create a Bot account, deploy a nodejs code sample from Cloud9 development environment, and finally register two Webhooks to have your bot receive events as they happen in Cisco Spark rooms.



<http://cityzenbotshackathon.bemyapp.com/>

48 HOURS TO CREATE CITY'ZEN BOTS



CITY'ZEN BOTS HACKATHON

DEC. 9-11TH - PARIS - FRANCE

8.000€ PRIZEPOOL

DotJS.io JS Coding Live Survey

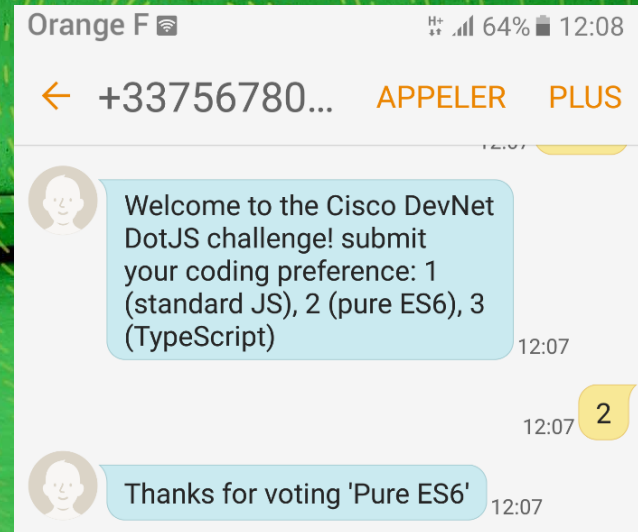
CALL or TEXT

+33-756780150

1: standard JS

2: ES6

3: typescript



Orange F

H+ 64% 12:08

← +33756780... APPELER PLUS



Welcome to the Cisco DevNet
DotJS challenge! submit
your coding preference: 1
(standard JS), 2 (pure ES6), 3
(TypeScript)

12:07

12:07

2



Thanks for voting 'Pure ES6'

12:07



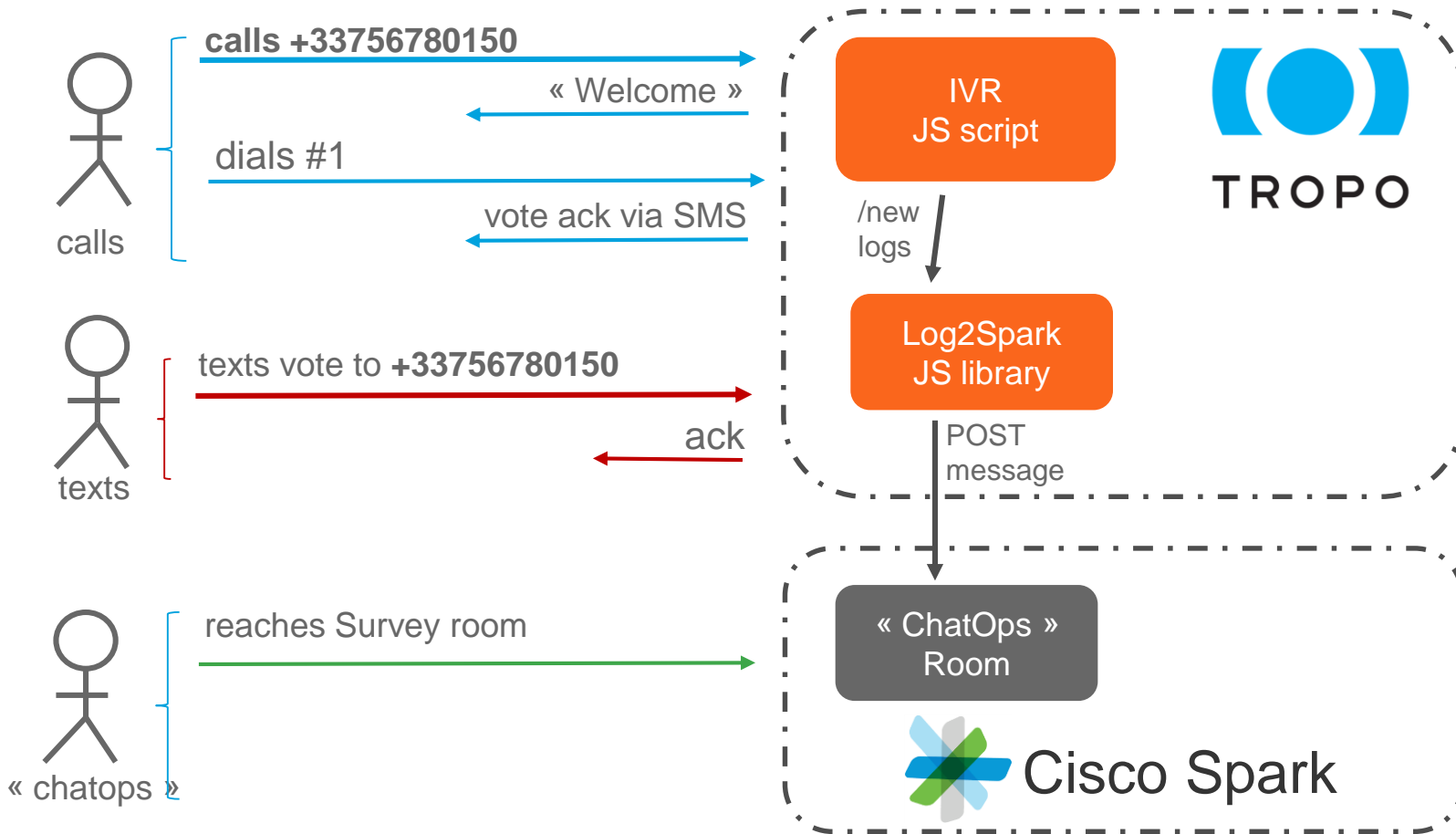
Cisco Spark Cloud Collaboration

Voice & SMS with Tropo



Cloud **APIs** enabling **developers** to quickly and easily **embed communication** capabilities into their applications and business processes.

DotJS – coding survey



Cisco Spark Cloud Collaboration

Voice & SMS with Tropo



- Ask
- Call
- Conference
- Hangup
- Record
- Reject
- Say
- Transfer



Javascript
HTML Python REST
Ruby
Java HTTP
PHP JSON

```
say("hello world");
```


Play an Audio File

```
say("http://www.phono.com/audio/tropor  
ocks.mp3");
```

Outbound Voice Call

```
call("+14155550100");  
say("Tag, you're it!");
```

Send a Text Message

```
call("+14155550100",  
    {network:"SMS"}  
);  
say("Tag, you're it!");
```

Asking a Question

```
var result = ask("What's your favorite color?  
Choose from red, blue or green.", {  
  choices:"red, blue, green"  
});  
say("You said " + result.value);  
log("They said " + result.value);
```

Voicemail Application

```
record("Leave your message. Press pound when finished.", {  
    beep:true,  
    timeout:10,  
    silenceTimeout:7,  
    maxTime:60,  
    terminator:'#',  
    recordFormat:"audio/mp3",  
    recordURI:"ftp://example.com/1.mp3",  
    recordUser:"tropocloud", recordPassword:"password"  
}  
);
```

Join the Cisco DevNet code labs

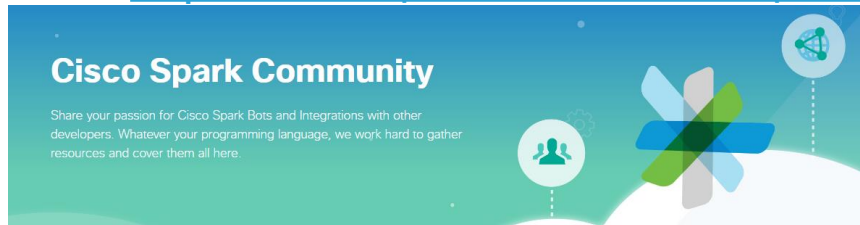
<https://bit.ly/labs2511>

In these labs serie, you'll learn to give a voice to your code and send SMS in batch by taking several steps: create an inbound Voice channel for your application, attach a Tropo phone number to your application, create outbound sessions dynamically to mix Voice an SMS..

1. **Create a Voice Machine (15 min)**: Tropo is a cloud API that allows you to automate communications over the phone and SIP VoIP networks. Both voice and SMS are supported, and no telephony knowledge is needed. In this lab, you will learn the basics of how to use Tropo. You'll create a simple Tropo application, get a Tropo number in a country of your choice, and build a simple Voice Machine controlled by your code.
2. **Mixing Voice and SMS (10 min)**: learn to mix Voice and SMS in a single call. You'll build an app that will prompt you for a phone number and send a SMS containing a randomly selected quote.
3. **Outbound SMS Dialer (15min)**: create a basic dialer that will send multiple SMS to a list of Mobile phone numbers read from a CSV file.

« Sparkers » community at Cisco DevNet

<https://developer.cisco.com/site/spark/>



Cisco Spark Community

Share your passion for Cisco Spark Bots and Integrations with other developers. Whatever your programming language, we work hard to gather resources and cover them all here.

Get started with Cisco Spark Apps

Share your Spark Apps creations and learn from others!

Explore

Be inspired by your peers by browsing their code in various languages.

Create

- ✓ Create your first Spark Bot in NodeJS
- ✓ Build a Bot in minutes with a PaaS
- ✓ Deploy your own Spark Integration

Share

After you build your app, showcase it in the catalog!

[Cisco Spark Depot](#)

Looking for more resources?

This curated list will help you find samples and ready-to-use frameworks in various languages, as well as tools to be more productive.

[Check awesome-ciscospark](#)

<https://github.com/CiscoDevNet/awesome-ciscospark>

Learn to create your own Spark Apps

Pick a module below or go for the complete [Learning Track](#) now!



Cisco Spark API 101

If you're new to Cisco Spark API, this is where to start. You'll learn what Spark Apps are, and take a tour of the REST API features.

[Learn now ▶](#)



Build your own Apps

Can't wait to create Bots and Integrations of your own? This module provides guidance in JavaScript and applies with other languages.

[Learn now ▶](#)



Integrate in minutes

Learn to automate and extend Cisco Spark with no to little coding. Browse and pick a learning lab among Zapier, Built.io...

[Learn now ▶](#)

<https://learninglabs.cisco.com/tracks/collab-cloud>

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Thank you



@SteveSfartz, @tmero, @aroach



Cisco Spark