



# Automating Cisco Spark with Cloud Integration

## Cisco DevNet Webinar Series

Speaker: David Staudt | DevNet Developer Evangelist, Principal Engineer

Hostess: Kara Sullivan | Cisco Networking Academy

18 April 2018

# Upcoming Webinars

- Techies Guide to Getting Hired, Session 5: **How to Impress During Your Interviews**  
7 May, 9:00 A.M. Pacific Standard Time ,register @ <http://bit.ly/techiesguide>
- Cisco DevNet Series, Session 9: **Using Python to Automate Spark**  
10 May, 9:00 A.M. Pacific Standard Time ,register @ <http://bit.ly/devnetseries>

# Welcome to the 8th session of the Cisco DevNet webinar series

- Use the Q and A panel to ask questions.
- Use the Chat panel to communicate with attendees and panelists.
- A link to a recording of the session will be sent to all registered attendees.
- Please take the feedback survey at the end of the webinar.

# Cisco DevNet Series

- 1 Intro to Software & Programmability
- 2 Intro to Coding
- 3 Intent Networks: How to be a Network Engineer in a Programmable Age
- 4 Fast Lane: Where Code (Apple) Meets Network Infrastructure (Cisco)
- 5 APIs with Cisco Spark
- 6 Network Programmability & APIC-EM
- 7 Network Programmability with YANG/NETCONF/RESTCONF
- 8 Automating Cisco Spark with Cloud Integration
- 9 Using Python to Automate Cisco Spark
- 9 Making Cisco Spark Interactive with ChatOps & ChatBots

Joining You  
Today:



David Staudt

Developer Evangelist, Principal Engineer  
DevNet, Cisco



# Cisco DevNet + NetAcad Webinar Series

Cisco Spark Developer Series - #2

# Automating Spark with Cloud Integration Platforms

David Staudt

DevNet Developer Evangelist / Principal Engineer



# Agenda

- Why APIs?
- Spark APIs - Overview
- Programming the web: iPaaS
- Business use case demos
  - IFTTT
  - Zapier
  - Built.io Enterprise
- Closing & Q&A





# Cisco Spark is becoming Cisco Webex Teams.

Webex Teams is an app for continuous teamwork with video meetings, messaging, file sharing and white boarding.





HomeAdvisor

Tech Blog

HOME

OPEN SOURCE

DEVELOPMENT

TECHNOLOGY

CONNECT

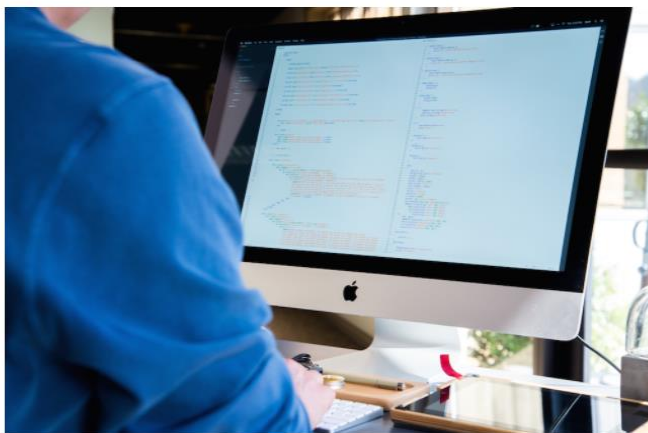


POWERED BY GENESIS

You are here: [Home](#) / Archives for [Technology](#) / APIs

# API Documentation with Swagger Extensions

JULY 29, 2016 BY MICHAEL PRATT



Here at HomeAdvisor, we've recently started taking a closer look at creating more

## ABOUT US

Based in Golden, CO, HomeAdvisor's technology group is comprised of nearly 100 Java ninjas, front end gladiators, QA warriors, U/X experts and other rock stars. We build the technology that helps make HomeAdvisor the best place for homeowners to connect with home service professionals.

Download our Free Apps



## RECENT POSTS

[The 8 Unix Commands Every Developer Needs](#)

[Meetup: Let's Build a Framework, Part 2](#)

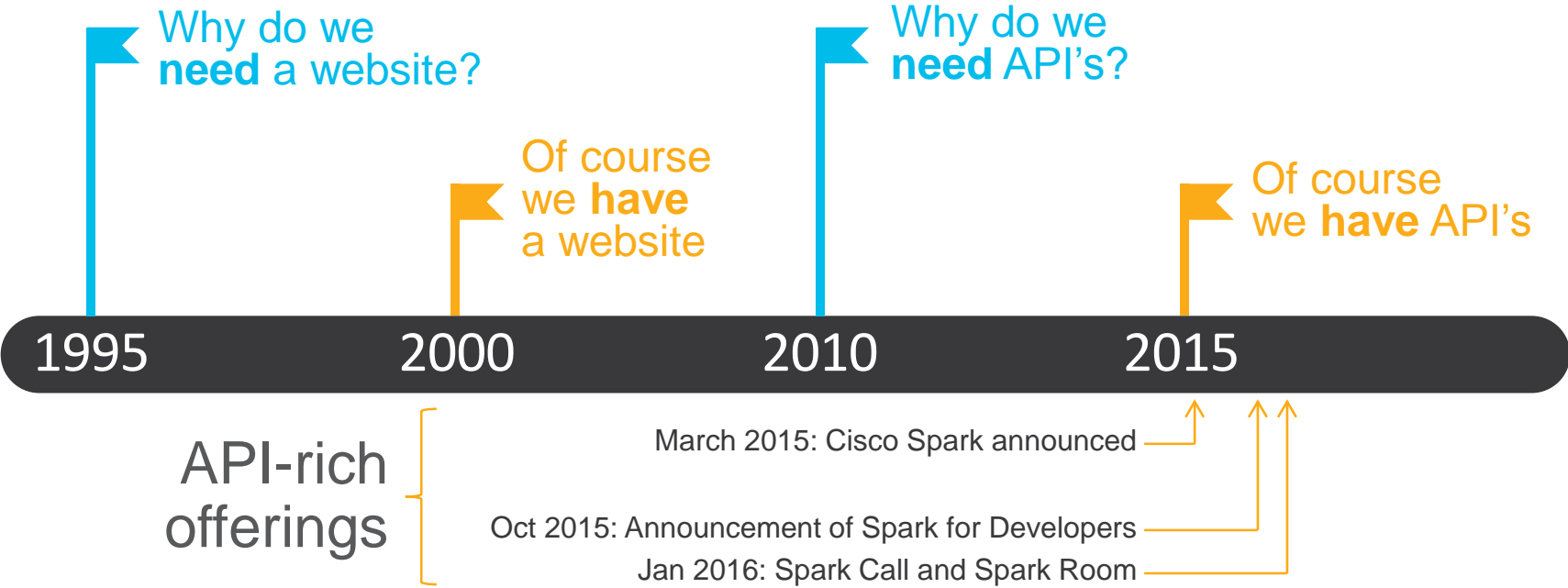
[Thinking About a Multi Data Center Architecture](#)

[4 Important Microservice Characteristics](#)

[API Documentation with Swagger Extensions](#)

SEARCH

# API Awareness



*...“The **core competency** for Collab Specialists is shifting from telephony and networking, **towards software skills** such as **API's and integrations**”...*



**Jonathan Rosenberg**  
**VP.CTO CTG**

# Cisco Spark APIs

## Cloud Collaboration Platform Overview



# Cisco Spark Platform APIs



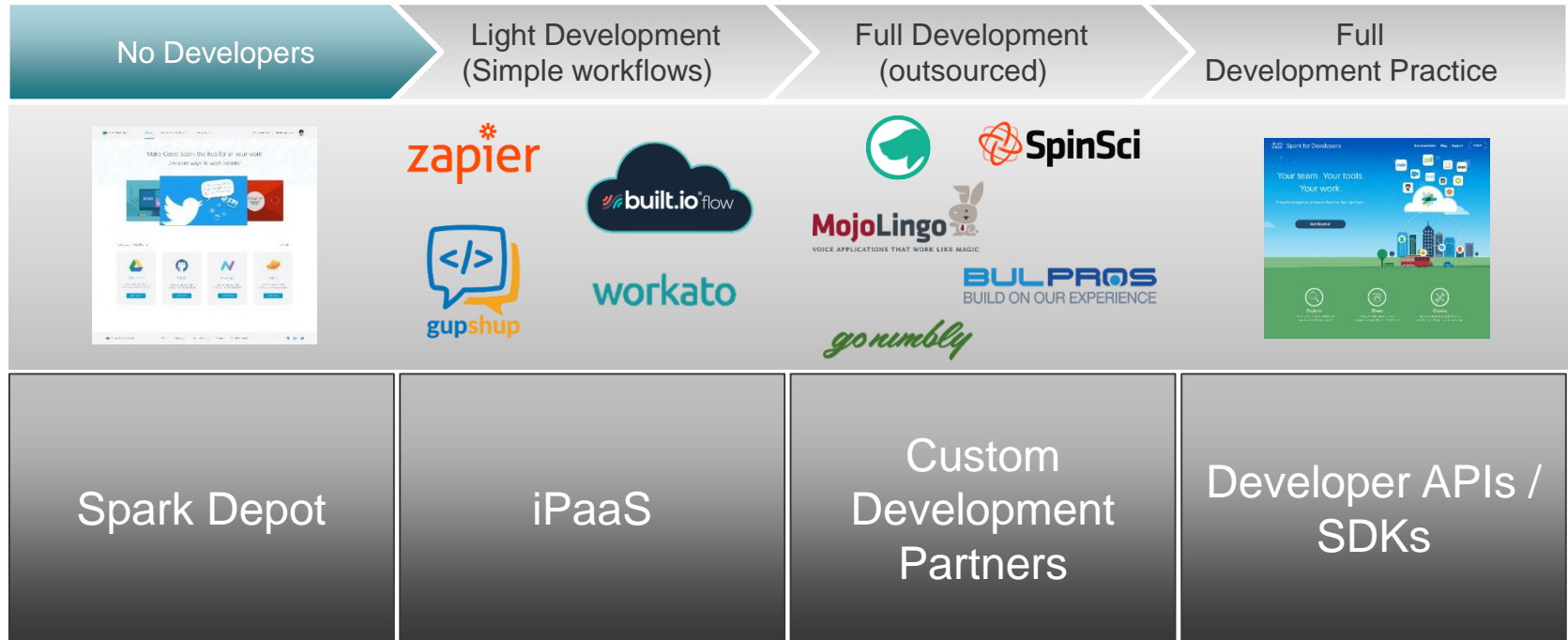
Make it easy for users to integrate Cisco Spark with the apps they love and give developers tools to transform collaboration experiences.

**Spark Depot Integrations**  
Teams unify workstreams in a click

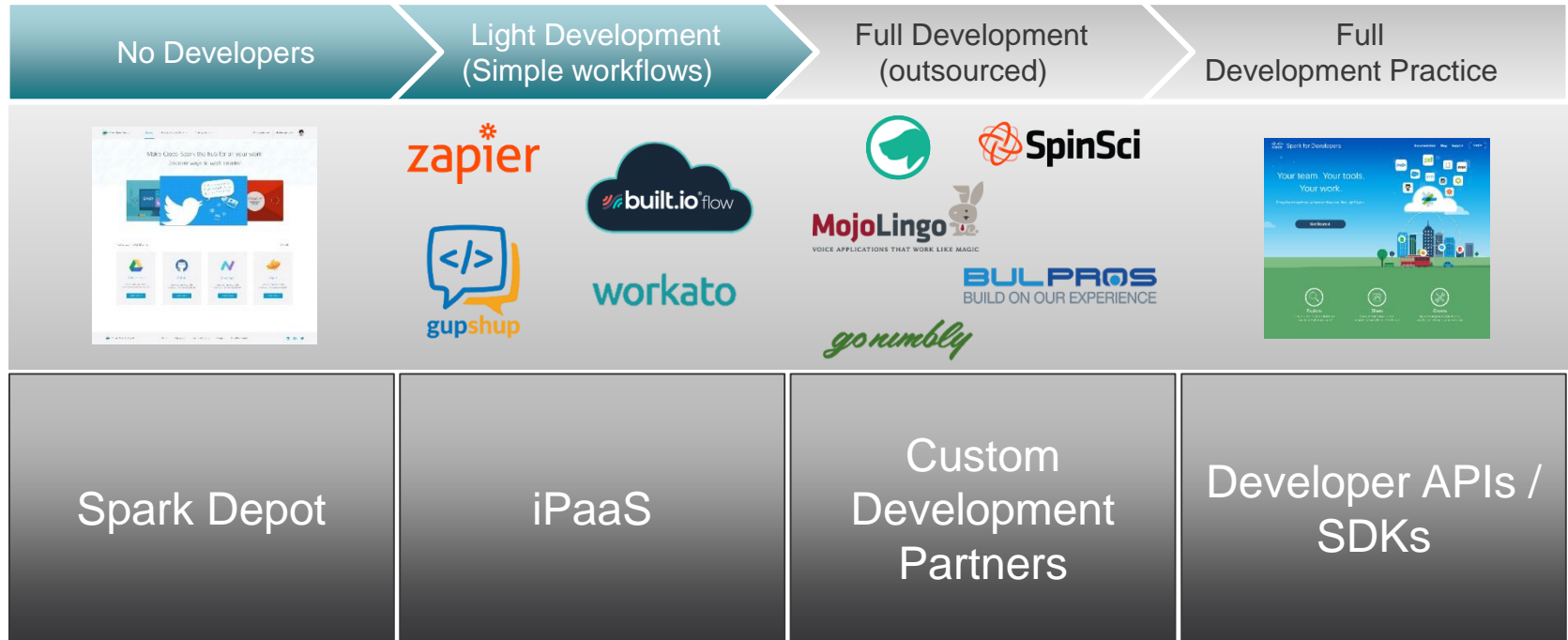
**App Integration Services**  
Power-users create their own apps in minutes

**Platform APIs / SDKs**  
Developers accelerate the value of Spark in their environments

# Development Opportunity Spectrum

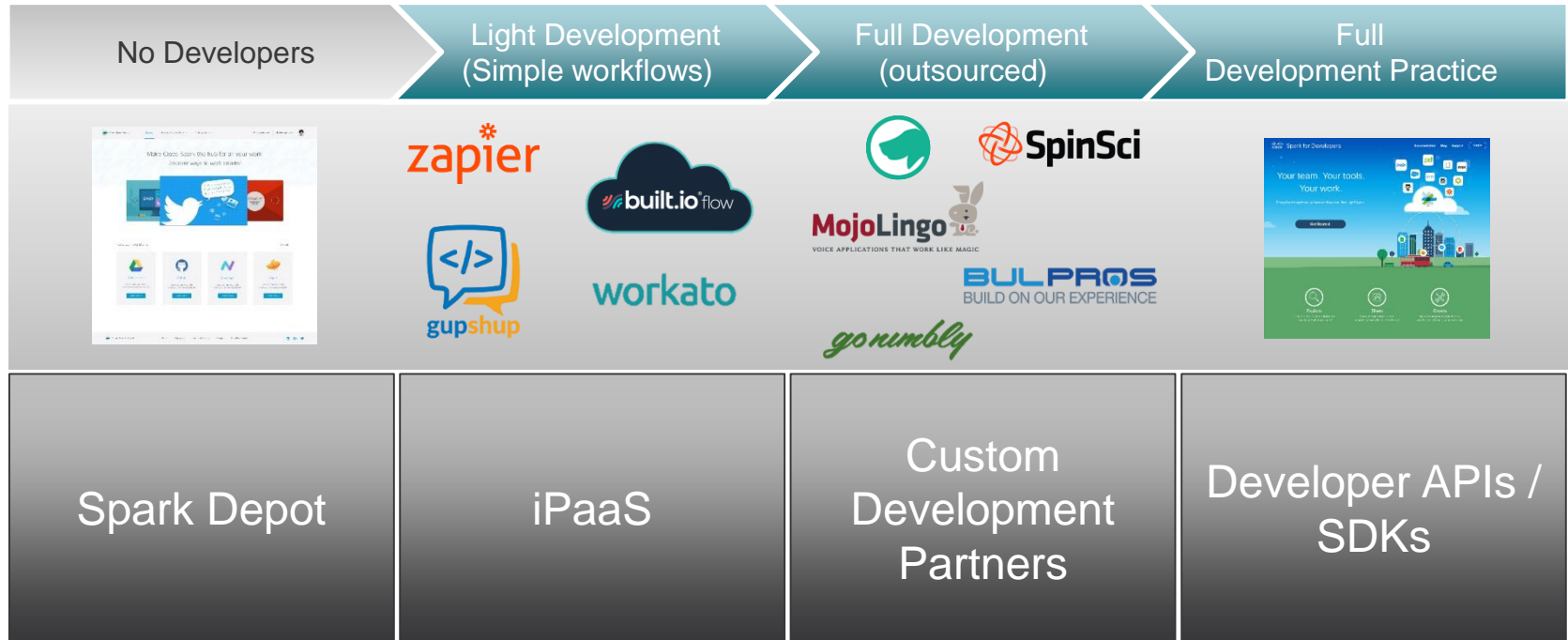


# Development Opportunity Spectrum





# Development Opportunity Spectrum



# Programming the Web

## Integration Platforms-as-a-Service (iPaaS)

# Integration Platforms as a Service (iPaaS)



**built.io**<sup>®</sup> flow



**iftthis**then that



zapier

# What Are They?

- Integration Platform as a Service (iPaaS). Connects software, back-end systems, mobile apps, and even sensors and devices through a simple interface easily connecting the web apps you use, making it easy to automate tedious tasks.
- Partners, ISV's...or iPaaS?
  - You can wait for third-party app developers to offer the SaaS integrations you need.
  - You can hire expensive freelance programmers to build custom software for you.
  - Or you can simply do it yourself with an iPaaS app!

# iPaaS Integrations

- Provides thousands of pre-built, ready-to-use activities for hundreds of services.
- Well-known service integrations for Spark and Webex include:
  - Salesforce, Marketo, AWS, Zendesk, GitHub, Dropbox, Wordpress, MailChimp, Pocket, Google Drive, OneNote, Fitbit, Uber, PushBullet, and many more.





- Consumer
- Pricing = free
- GUI: web, visual
- Complexity: basic
- 250+ integrations
- Config: basic



- Business
- Pricing = freemium
- GUI: web, visual
- Complexity: medium
- 550+ integrations
- Config: intermediate



- Business & Developer
- Pricing = monthly
- GUI: web, very graphical
- Complexity: high
- 200+ integrations
- Config: basic (Express) to advanced (Enterprise)

# iPaaS Use Cases

# Extended Built.io-Flow Membership

[built.io/ciscosparkvip](https://built.io/ciscosparkvip)



# Developer Resources

# Cisco Spark SDK & Widget Developer Resources

Cisco Spark API / SDK Docs:

<https://developer.ciscospark.com>

Cisco DevNet Spark Resources:

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

<https://learninglabs.cisco.com/labs/tags/Spark/page/1>

GitHub Resources:

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

Cisco Spark Developer Support:

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

## Continue Your Education

- 68 Spark Learning Labs

[LearningLabs.cisco.com](https://learninglabs.cisco.com)

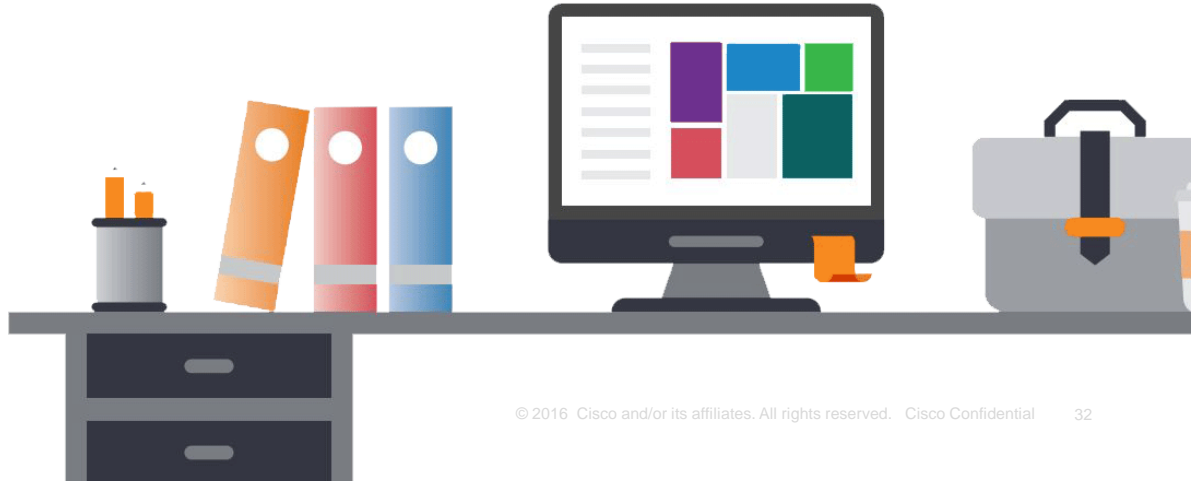
# Q&A



# Remaining Sessions:

- #9 Using Python to Automate Spark
- #10 Making Spark Interactive with ChatOps & ChatBots

Details & registration can be accessed at: <http://bit.ly/devnetseries>



# This is the Digital Transformation



Cisco Networking Academy

Courses ▾

Careers ▾

Get Started ▾

About Us ▾

Log In English ▾

🔍 Search

Home / Courses / Introduction to IoT

## Introduction to IoT

Learn how the Internet of Things (IoT) and the digital transformation of business create new value and new job opportunities.

Enroll Now



Self-enroll today to learn more @ <http://bit.ly/introiote>



