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

1. **Techies Guide to Getting Hired, Session 5: How to Impress During Your Interviews**

2. **Cisco DevNet Series, Session 9: Using Python to Automate Spark**
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
   Intent Networks: How to be a Network Engineer in a Programmable Age

2. Intro to Coding

3. APIs with Cisco Spark


5. Network Programmability with YANG/NETCONF/RESTCONF

6. Network Programmability & APIC-EM

7. Using Python to Automate Cisco Spark

8. Automating Cisco Spark with Cloud Integration

9. Making Cisco Spark Interactive with ChatOps & ChatBots

All Series Details can be Found @ http://bit.ly/devnetseries
Joining You Today:

David Staudt
Developer Evangelist, Principal Engineer
DevNet, Cisco
Cisco DevNet + NetAcad Webinar Series
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.
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...
Why do we need a website? Of course we have a website

Why do we need API’s? Of course we have API’s

API-rich offerings


March 2015: Cisco Spark announced
Oct 2015: Announcement of Spark for Developers
Jan 2016: Spark Call and Spark Room
…“The core competency for Collab Specialists is shifting from telephony and networking, towards software skills such as API's and integrations”…
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

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Development Opportunity Spectrum

<table>
<thead>
<tr>
<th>No Developers</th>
<th>Light Development (Simple workflows)</th>
<th>Full Development (outsourced)</th>
<th>Full Development Practice</th>
</tr>
</thead>
</table>

- No Developers
- Light Development (Simple workflows)
- Full Development (outsourced)
- Full Development Practice

Spark Depot | iPaaS | Custom Development Partners | Developer APIs / SDKs
Development Opportunity Spectrum

No Developers → Light Development (Simple workflows) → Full Development (outsourced) → Full Development Practice

Spark Depot → iPaaS → Custom Development Partners → Developer APIs / SDKs

Solutions:
- Zapier
- built.io flow
- MojoLingo
- SpinSci
- gupshup
- workato
- gonumby
Development Opportunity Spectrum

No Developers  | Light Development (Simple workflows)  | Full Development (outsourced)  | Full Development Practice

- Spark Depot
- iPaaS
- Custom Development Partners
- Developer APIs / SDKs
Programming the Web

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

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/introiot