From Zero to Chatbot mini workshop

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Agenda

- What are Chat Bots?
- What are the Benefits?
- Integrations vs Bots
- Getting Started with a Collaboration API
- Create a Chat Bot
- Using Deployment Services
- Creating a Webhook
- Testing Your Bot!



What You Will Need:

- Cisco Spark API Account: https://developer.webex.com/
- Create Heroku Account: https://heroku.com
- JSON Viewer (optional): http://tiny.cc/json-viewer
- Github Account: https://github.com
- Heroku Alternative (local tunnels): Localtunnel.me or ngrok.com



Objective



You mardi, 13:36 storage



learninglab mardi, 13:36 What is your favorite color?



You mardi, 13:36 blue



stored user preference

Cool, I love 'blue' too



What are Chat Bots?



Clippy!





What can I help you with?









22 🕮

CIRCUIT BREAKER \ 1ECH TRANSPORTATION

Watch Amazon's Alexa summon a Tesla Model S out of a garage

by forn Warren | @tomwarren | May 6, 2016, 6:59am EDT



NOW TRENDING



MacBook Pro with Touch Bar review: a touch of the future



The Bot Economy Is Growing Even Faster Than the App Economy Did

Apps are so 201



The Bot Economy

A new economic system is on the way.

What does that system look like? Obviously, it's very hard to see what is going to replace industrial, financial capitalism while we are still inside of the system.

NEWS

MARKET TREND STOCK LISTS RESEARCH NEWS RED VIDEOS HOW TO INVEST LEADERSCARD !

TECHNOLOGY

Facebook Upside Coming From Growth of 'Bot Economy,' Says Citi



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Cocumons

Categories

Chiertonic.

Names

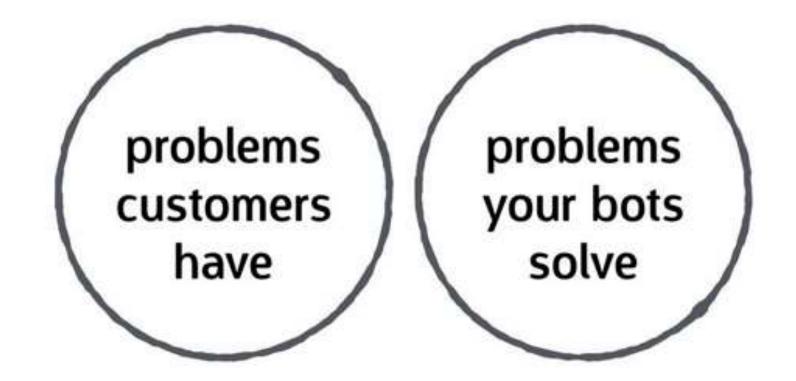
What are the opportunities and legal challenges in the bot economy?





What are the Benefits?







David J Bland Ridsvictbland - Apr 26

I've analyzed the Silicon Valley Bot Startup trend and created a handy venn diagram to help explain it.













Add to Room

Published Oct 27 2016

Developer Support

Developer Privacy Policy

Developer Website

SmartSheet (smartsheet@sparkbot.io)

Bot by Gupshup

Productivity

Docs Management

Other

The Smartsheet bot sends you notifications whenever there is a change in your Smartsheet

Set alerts with the smartsheet bot and you will be notified for every changes you make in your smartsheet. Triggers:

- 1. AUTH For authorizing the bot in Smartsheet
- 2. CAE For creating and enabling bot alerts:
- 3. CRE For creating bot alerts.
- ENA For enabling pre-created bot alerts.
- DEL To delete pre-created alerts.
- LIST To get list of bot alerts with their status.





MemeBot (bot)

Active 25 minutes ago



You 8:12 PM

we will test, in production! I insanity wolf



MemeBat (bot) 8:12 PM





Integrations vs Bots



An integration acts as YOU and can see and do the things you can do.



Out of Office Assistant is requesting the following:



- · Post and delete messages on your behalf
- . List the titles of rooms that you're in
- . List the people in rooms that you're in
- Read the content of rooms that you're in
- · Manage rooms on your behalf
- Read your profile and your company directory
- · Invite people to rooms on your behalf

Decline Accept

Scopes spark:people_read Read your users' company directory Scopes define the level of access that your spark: rooms_read List the titles of rooms that your user's are in Integration requires. Learn more spark: rooms_write Manage rooms on your users' behalf spark: memberships_read List people in the rooms your user's are in spark:memberships_write Invite people to rooms on your users' behalf spark:messages_read Read the content of rooms that your user's are in spark:messages write Post and delete messages on your users' behalf spark: teams_read List the teams your users are in spark:teams_write Create teams on your users' behalf spark: team_memberships_read List the people in the teams your user's belong to spark: team_memberships_write Add people to teams on your users' behalf spark-admin: people_read Access to read your user's company directory

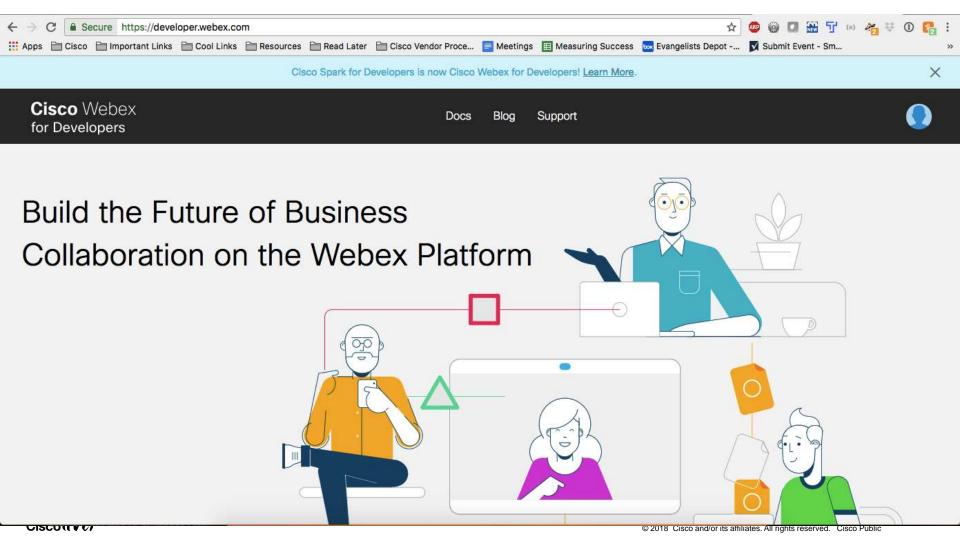
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A bot appears as another member of the room, but can only see messages that mention it.



Getting Started with a Collaboration API – Webex Teams API





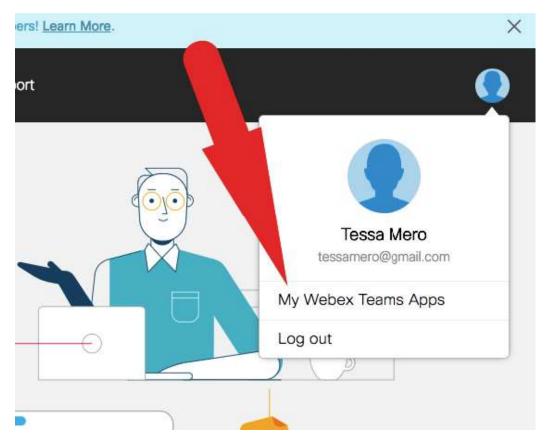
Create a Free Account

- Create an account at https://teams.webex.com and Login
- Login to https://developer.webex.com

Creating a Chat Bot



Click on "My Webex Teams Apps"





Click on "+"





Select "Create a Bot"



Bot

Build intelligent chatbots that post content and respond to commands.

Learn More

Create a Bot



New Bot

Name*

Name of your bot in 100 characters or less.

TessaBotTest

Bot Username*

The username users will use to add your bot to a space. Cannot be changed later.

tessabottest

@webex.bot <

lcon*

Exact size 512 (W) x 512 (H) in jpg or png format.
Upload your own or select from our defaults.



Edit

Description*

Details of what your bot does, how it does, benefits, your business model and how an end user can get started in 1000 characters or less. Bullets and links markdown



Testing a bot

Copy API Access Token (Not the Bot ID!)

Bot's Access Token

Non-expiring (good for 100 years) access token for your bot.

ZmQxMWRkZGYtMzNiMi00M2Y4LTgxZDEtMmlxYmJiYzg2YjNmYTBIMjZhOTUt

Copy

The Secret will only be shown once so please copy and keep it safe! You can always regenerate it, but you will not see this one again.



Add Bot to Chat on teams, webex.com

Connect with people

Start a group conversation or chat with just one other person

Q tessabottest@webex.bot

Go Chat



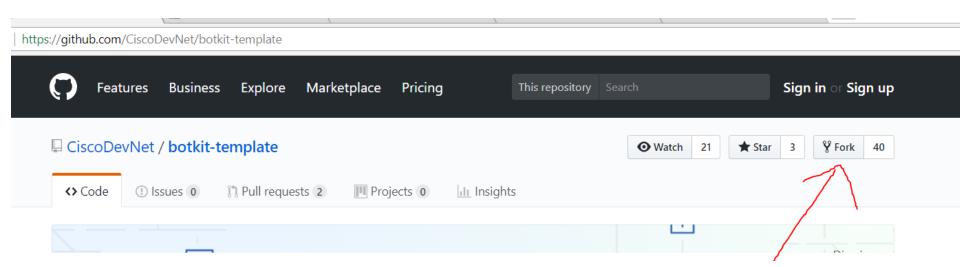


Deploy a Bot on Heroku



First - Fork the Github Repo

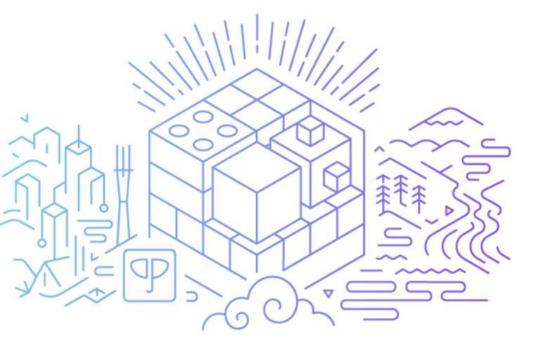
https://github.com/CiscoDevNet/botkit-template





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Elements V Pricing Documentation Support More V



NEW

Heroku Postgres PGX: New Plans, More Possibilities

We're excited to announce our new lineup of Postgres production plans. PGX Plans introduce larger database sizes, more generous resource allocations, and a broader set of options to suit your needs and to help your applications scale more smoothly.

SIGN UP FOR FREE

Explore Heroku Postgres

Read our Announcement

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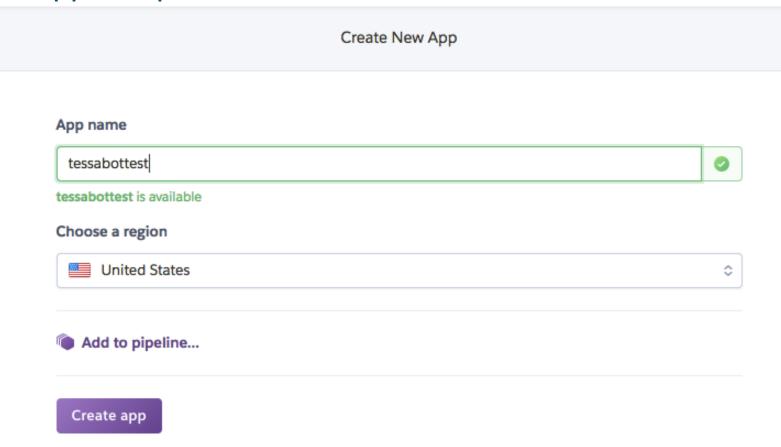
Create New App





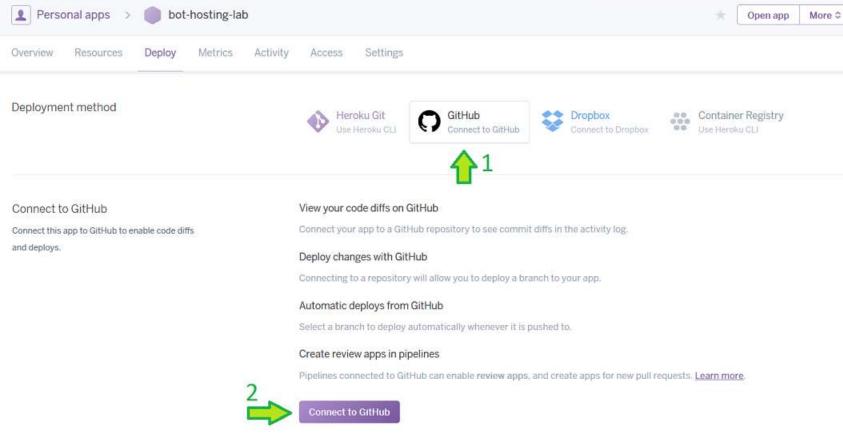


Create App Unique Name



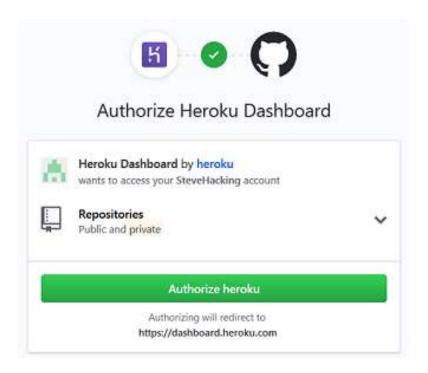


Deployment method: Select GitHub



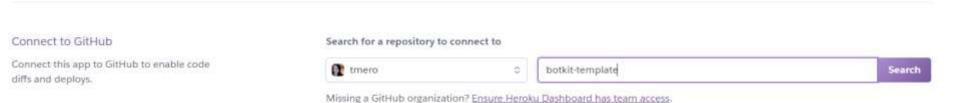


Authorize GitHub





Search for botkit-template repo in your GitHub – Connect!





Select "redis" branch – Deploy Branch

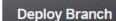
Manual deploy

Deploy the current state of a branch to this app.

Deploy a GitHub branch

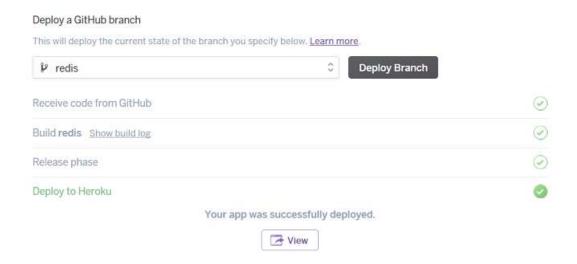
This will deploy the current state of the branch you specify below. Learn more.





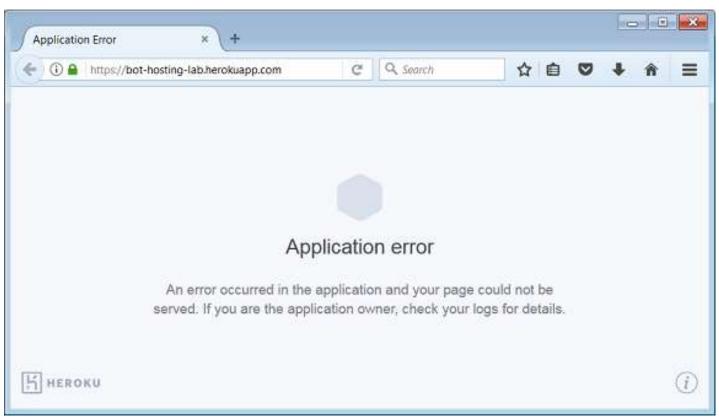


Successfully Deployed – Click View



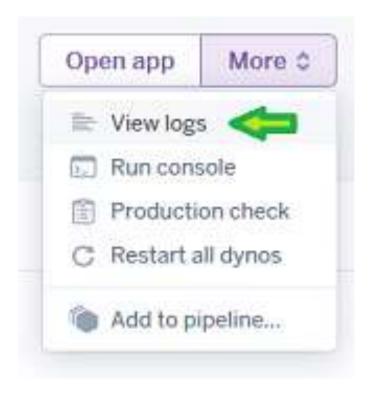


Application error





View Error Logs





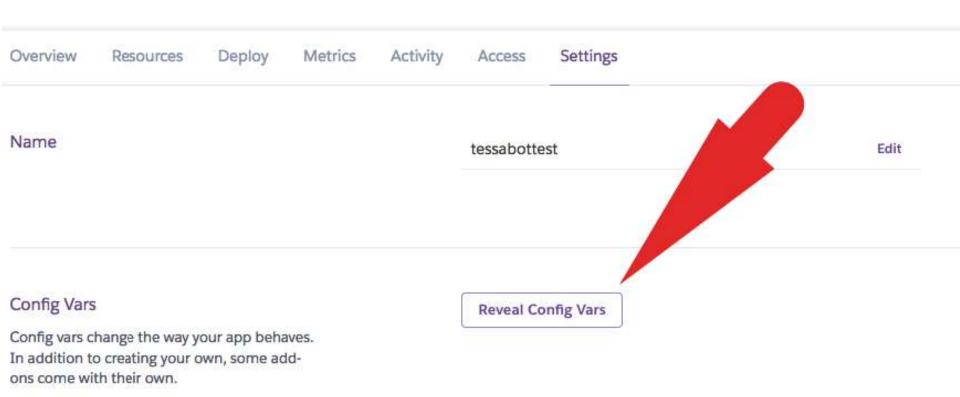
View Errors (missing Spark token)

Application Logs

```
2017-09-23T07: 24:05.690662+00:00 heroku[web.1]: State changed from starting to crashed
2017-09-23T07:24:05.672572+00:00 heroku[web.1]: Process exited with status 1
2017-09-23T07:24:51.096828+00:00 heroku[web.1]: State changed from crashed to starting
2017-09-23T07:24:55.425122+00:00 heroku[web.1]: Starting process with command 'npm start'
2017-09-23T07:25:02.960512+00:00 app[web.1]:
2017-09-23T07:25:02.960526+00:00 app[web.1]: > @0.6.0-redis3 start /app
2017-09-23T07:25:02.960527+00:00 app[web.1]: > node bot.js
2017-09-23T07:25:02.960528+00:00 app[web.1]:
2017-09-23T07:25:03.210237+00:00 app[web.1]: Could not start as bots require a Cisco Spark API access token.
2017-09-23T07:25:03.212596+00:00 app[web.1]: Please add env variable SPARK TOKEN on the command line or to the .env file
2017-09-23T07:25:03.213229+00:00 app[web.1]: Example:
2017-09-23T07:25:03.213340+00:00 app[web.1]: > SPARK TOKEN=XXXXXXXXXXXX PUBLIC URL=YYYYYYYYYYY node bot.js
2017-09-23T07:25:03.247424+00:00 app[web.1]:
2017-09-23T07:25:03.292780+00:00 app[web.1]: npm ERR! Linux 3.13.0-123-generic
2017-09-23T07:25:03.296822+00:00 app[web.1]: npm ERR! argv "/app/.heroku/node/bin/node" "/app/.heroku/node/bin/npm" "start"
2017-09-23T07:25:03.296828+00:00 app[web.1]: npm ERR! node v6.11.3
2017-09-23T07:25:03.296828+00:00 app[web.1]: npm ERR! npm v3.10.10
2017-09-23T07:25:03.296829+00:00 app[web.1]: npm ERR! code ELIFECYCLE
2017-09-23T07:25:03.296830+00:00 app[web.1]: npm ERR! @0.6.0-redis3 start: 'node bot.js'
2017-09-23T07:25:03.296831+00:00 app[web.1]: npm ERR! Exit status 1
2017-09-23T07:25:03.296832+00:00 app[web.1]: npm ERR!
2017-09-23T07:25:03.296833+00:00 app[web.1]: npm ERR! Failed at the @0.6.0-redis3 start script 'node bot.js'.
2017-09-23T07:25:03,296833+00:00 app[web.1]: npm ERR! Make sure you have the latest version of node.js and npm installed.
2017-09-23T07:25:03.296834+00:00 app[web.1]: npm ERR! If you do, this is most likely a problem with the package,
Autoscroll with output
```



Go to Settings -> Reveal Config Vars



Settings -> Reveal Config Variables -> Config Variables





Open App (Check if it is working)

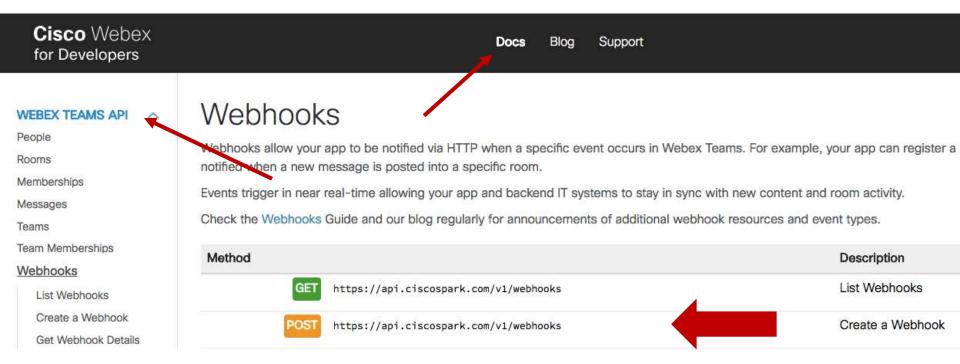
```
// 20180530122858
     // https://tessabottest.herokuapp.com/
       "up-since": "Wed, 30 May 2018 19:28:55 GMT",
       "hostname": "f6e2e10b-0acb-4e28-ba99-b73dacc46710:30011",
       "version": "v0.7.0-redis2",
       "bot": "tessabottest@webex.bot",
       "botkit": "v0.6.14"
10
```



Create Webhook events

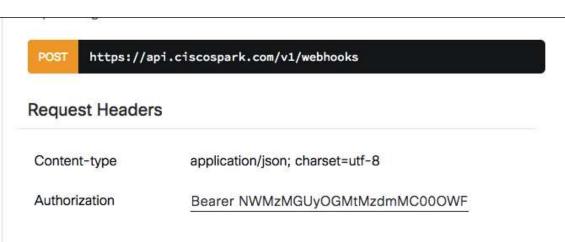


Webhook Documentation – developer.webex.com





Turn on Test Mode -> Create Webex Webhook



Request Parameters

Name	Type	Your values		Required
name	string	Heroku to WebexTeams	i	~
targetUrl	string	https://tessabottest.her	j	*
resource	string	messages	j	*
event	string	all	j	~

Request

```
"name": "Heroku to WebexTeams",
  "targetUrl": "https://tessabottest.herokuap;
  "resource": "messages",
  "event": "all"
```

200 Success!

· Click "Run"

- See a "200/success" displayed webhook assigned to unique identifier
- Fired off every time a new message is added to a room your bot is a member of



Test Your Webex Teams Bot



Test Bots Response – type storage





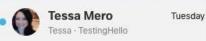


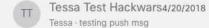
TessaBotTest Unknown status



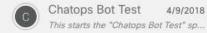


TessaBotTest Cool, I love 'pink' too











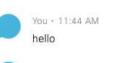




pizza test 2 1/5/2018 You - help



VA Test 1







NEW MESSAGES







1/5/2018

Write a message to TessaBotTest

illiilli CISCO

Thank you

