

# GETTING STARTED WITH APIS

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**THIS IS YOU**

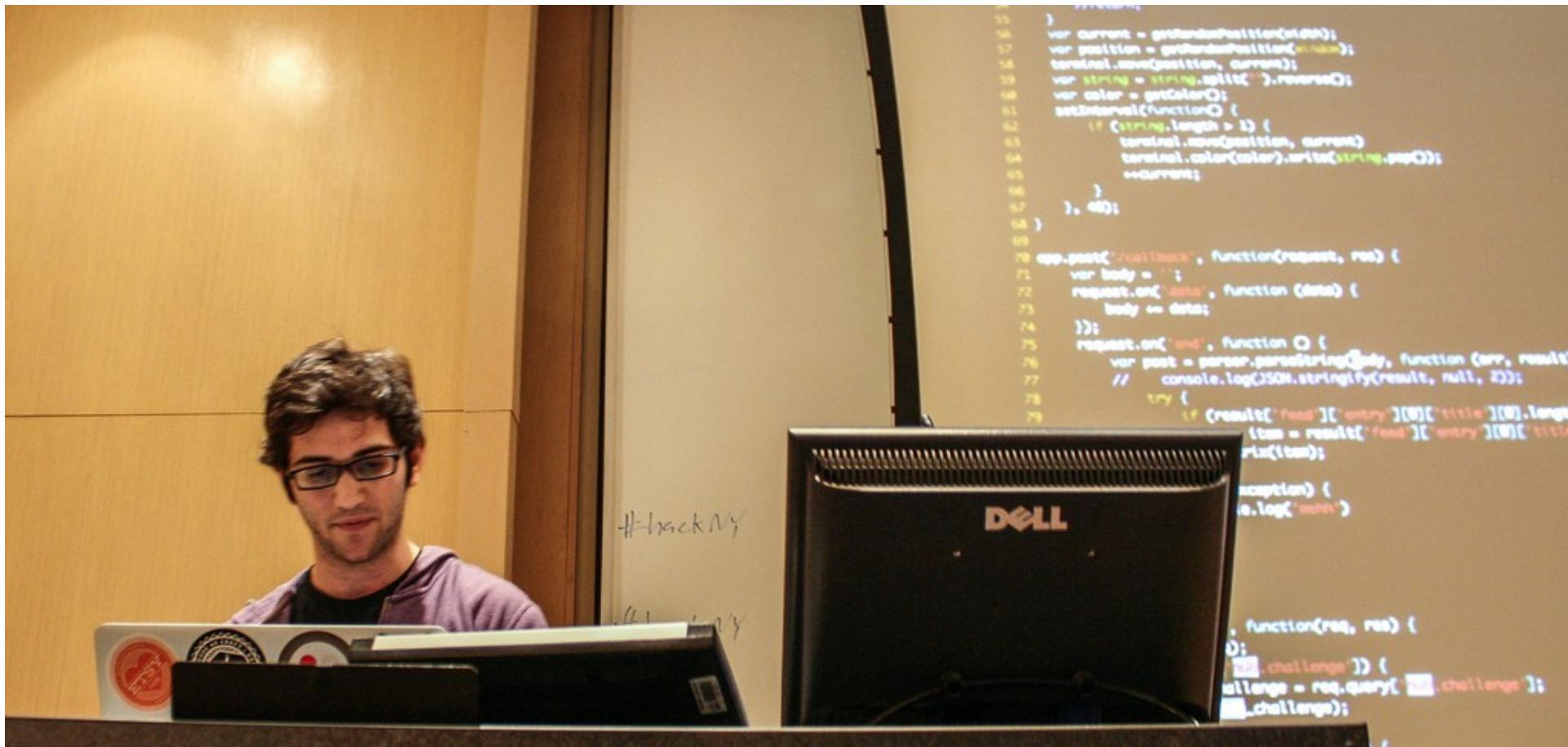


# READY TO GO

**THIS WILL BE YOU**



**NOT SO MUCH**



# AMAZING THINGS

```
{  
  "status": "OK",  
  "copyright": "Copyright (c) 2013 The New York Times Company. All Rights Reserved.",  
  "num_results": 1211,  
  "results": [  
    {  
      "event_id": 170,  
      "event_schedule_id": 687,  
      "last_modified": "2011-07-14T18:28:43.194Z",  
      "event_name": "\u2018Farmageddon\u2019",  
      "event_detail_url": "http://nytimes.com/events/movies/farmageddon-170.html",  
      "web_description": "  
(No rating, 1:18) Producing distressing evidence that agribusiness may be employing government agencies to  
      "film_rating": false,  
      "critic_name": "Jeannette Catsoulis",  
      "category": "Movies",  
      "times_pick": true,  
      "free": false,  
      "kid_friendly": false,  
      "last_chance": false,  
      "festival": false,  
      "long_running_show": false,  
      "previews_and_openings": false,  
      "recurring_start_date": "2011-07-08T04:00:00.188Z",  
      "recur_days": [  
        "mon",  
        "tue",  
        "wed",  
        "thu",  
        "fri",  
        "sat",  
        "sun"  
      ]  
    },  
  ]
```

# AMAZING UTILITY

O HAI

# **CONCEPTS LANDSCAPE TOOLS**

**GETTING STARTED WITH APIs**

# API

```
Python 2.7.3 (default, Apr 10 2013, 06:20:15)
[GCC 4.6.3] on linux2
Type "help", "copyright", "credits" or "license" for more information.
>>> import urllib2
>>> urllib2.__version__
'2.7'
>>> [REDACTED]
```

Name	Size	Type	Last Modified
2013-09-22 13:42:40.jpg	344.5 KB	JPEG Image	Sun 22 Sep 2013 01:42:42 PM EDT
2013-09-22 13:20:18.jpg	629.1 KB	JPEG Image	Sun 22 Sep 2013 01:20:19 PM EDT
2013-09-22 11:34:15.jpg	542.6 KB	JPEG Image	Sun 22 Sep 2013 11:34:16 AM EDT
2013-09-22 11:16:21.jpg	333.4 KB	JPEG Image	Sun 22 Sep 2013 11:16:21 AM EDT

**YOU'RE ALREADY USING THEM**

API	Description	Category	Mashups
Google Maps	Mapping services	Mapping	2515
Twitter	Microblogging service	Social	788
YouTube	Video sharing and search	Video	673
Flickr	Photo sharing service	Photos	624
Amazon Product Advertising	Online retailer	Shopping	423
Facebook	Social networking service	Social	408
Twilio	Telephony service	Telephony	354
Last.fm	Online radio service	Music	235
eBay	eBay Search service	Search	223
Google Search	Search services	Search	187
Microsoft Bing Maps	Mapping services	Mapping	174
Twilio SMS	SMS messaging service	Messaging	173
del.icio.us	Social bookmarking	Bookmarks	161
Yahoo Search	Search services	Search	145
Yahoo Maps	Mapping services	Mapping	136

# WEB SERVICES

# REST



ZZZZZZZ



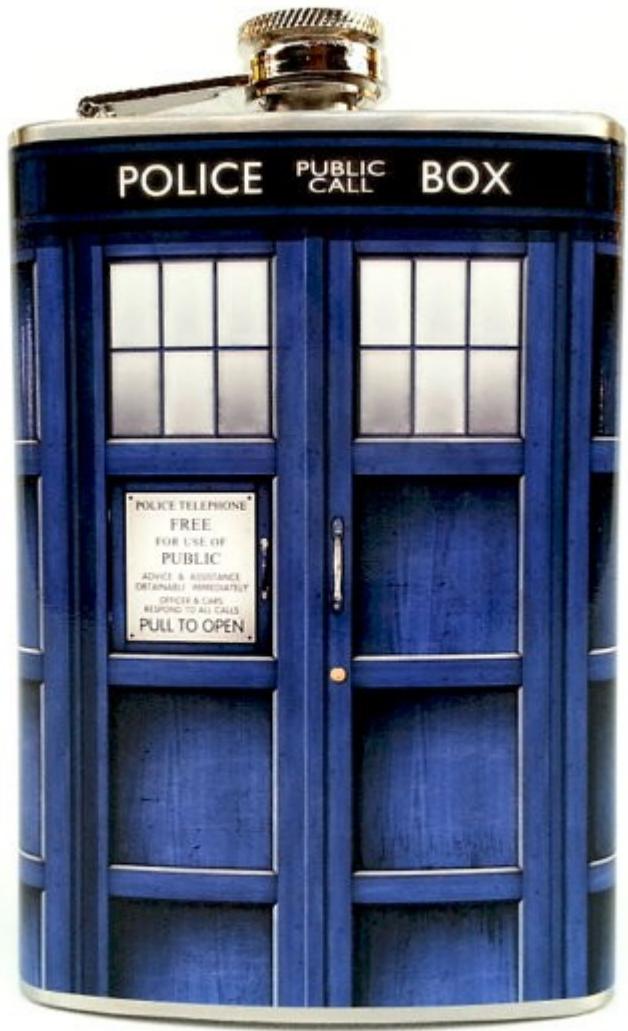
DATA PROVIDED BY  
**The New York Times**

**NEW YORK TIMES**



#ParksAndRec

TUMBLR



ETSY



**twilio**<sup>TM</sup>

CLOUD COMMUNICATIONS

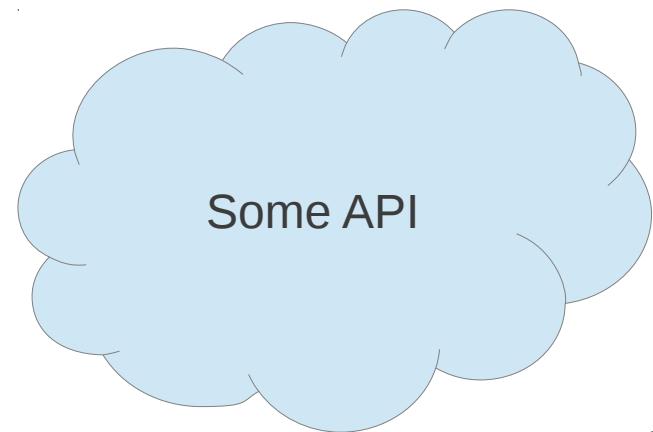
**TWILIO**

# WEBHOOKS

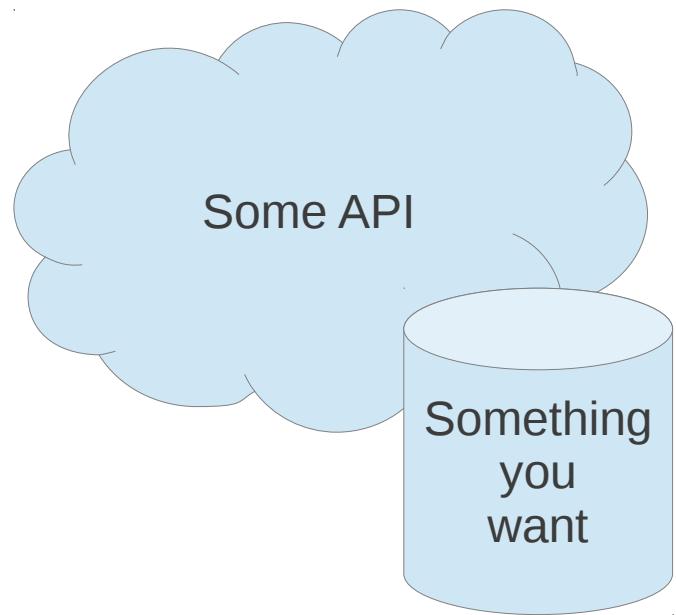
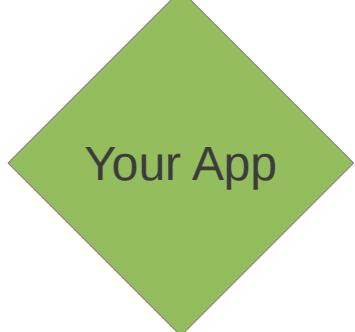


**WebHooks**

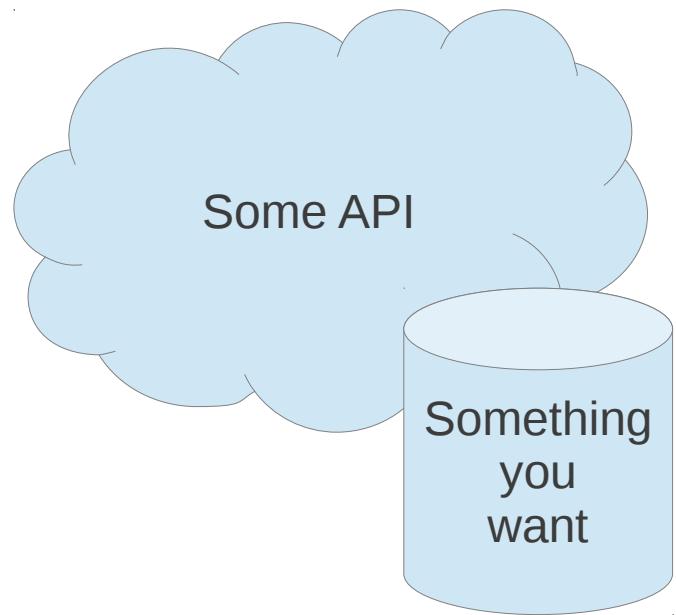
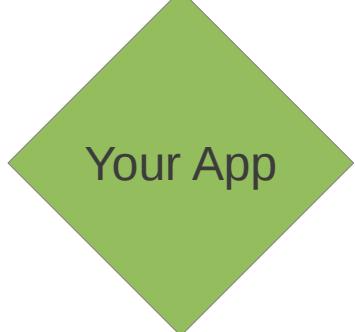
**LIKE HOOKS FOR THE WEB!**



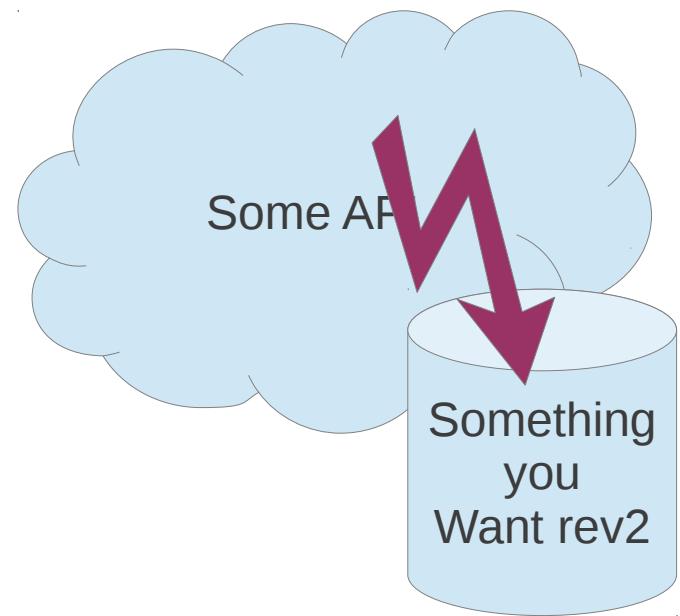
# WEBHOOKS IN ACTION



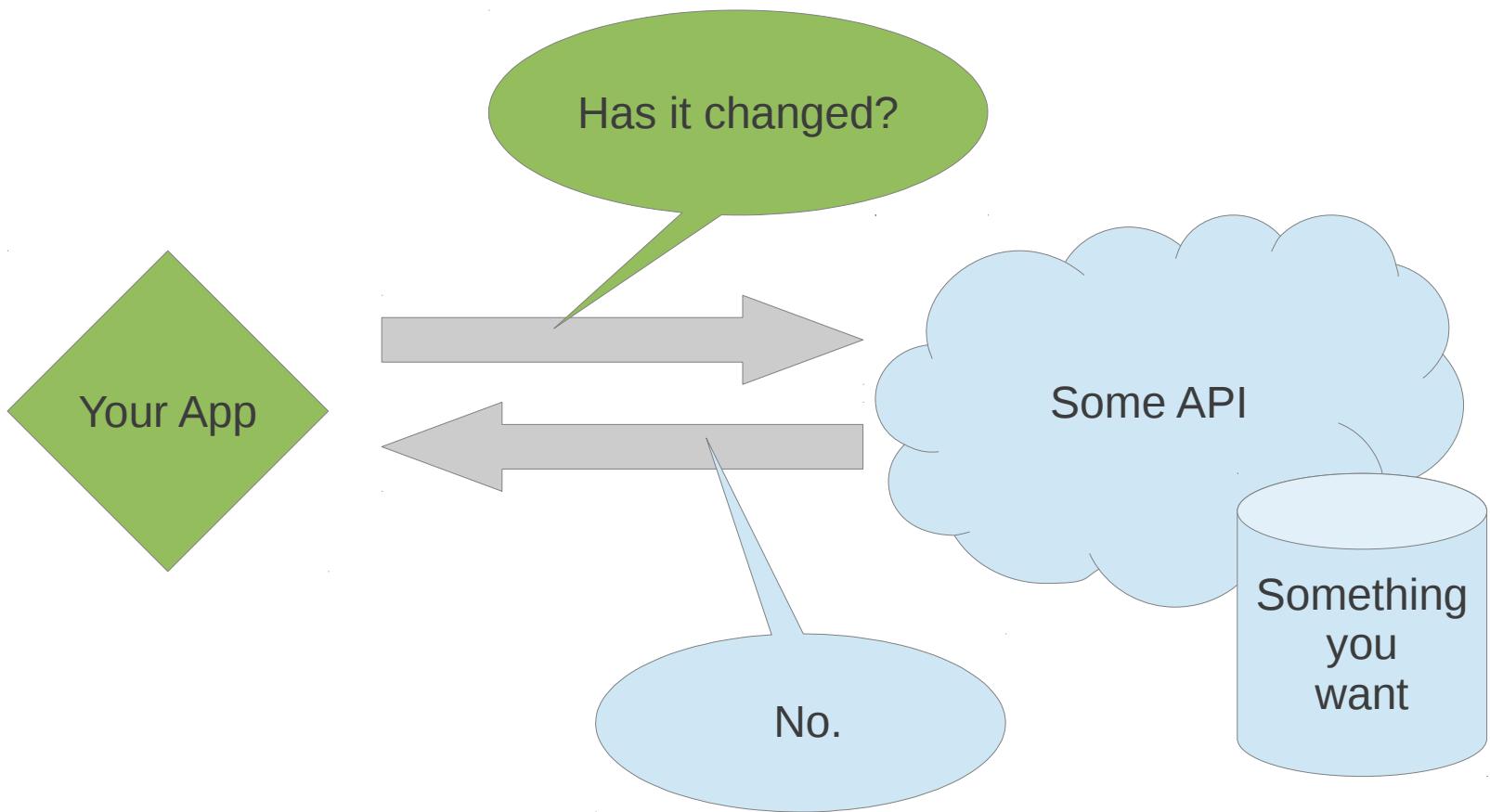
# WEBHOOKS IN ACTION



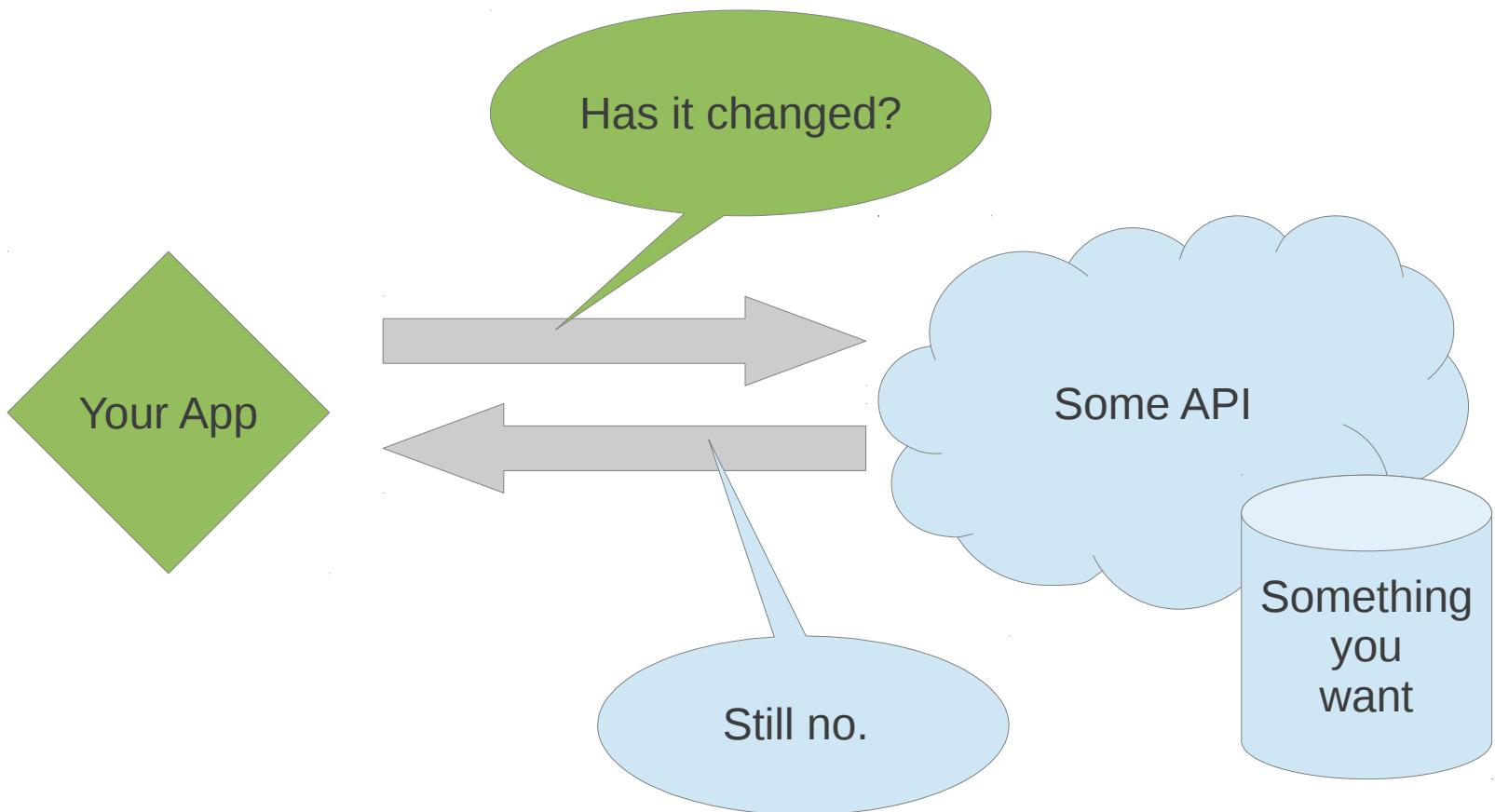
# WEBHOOKS IN ACTION



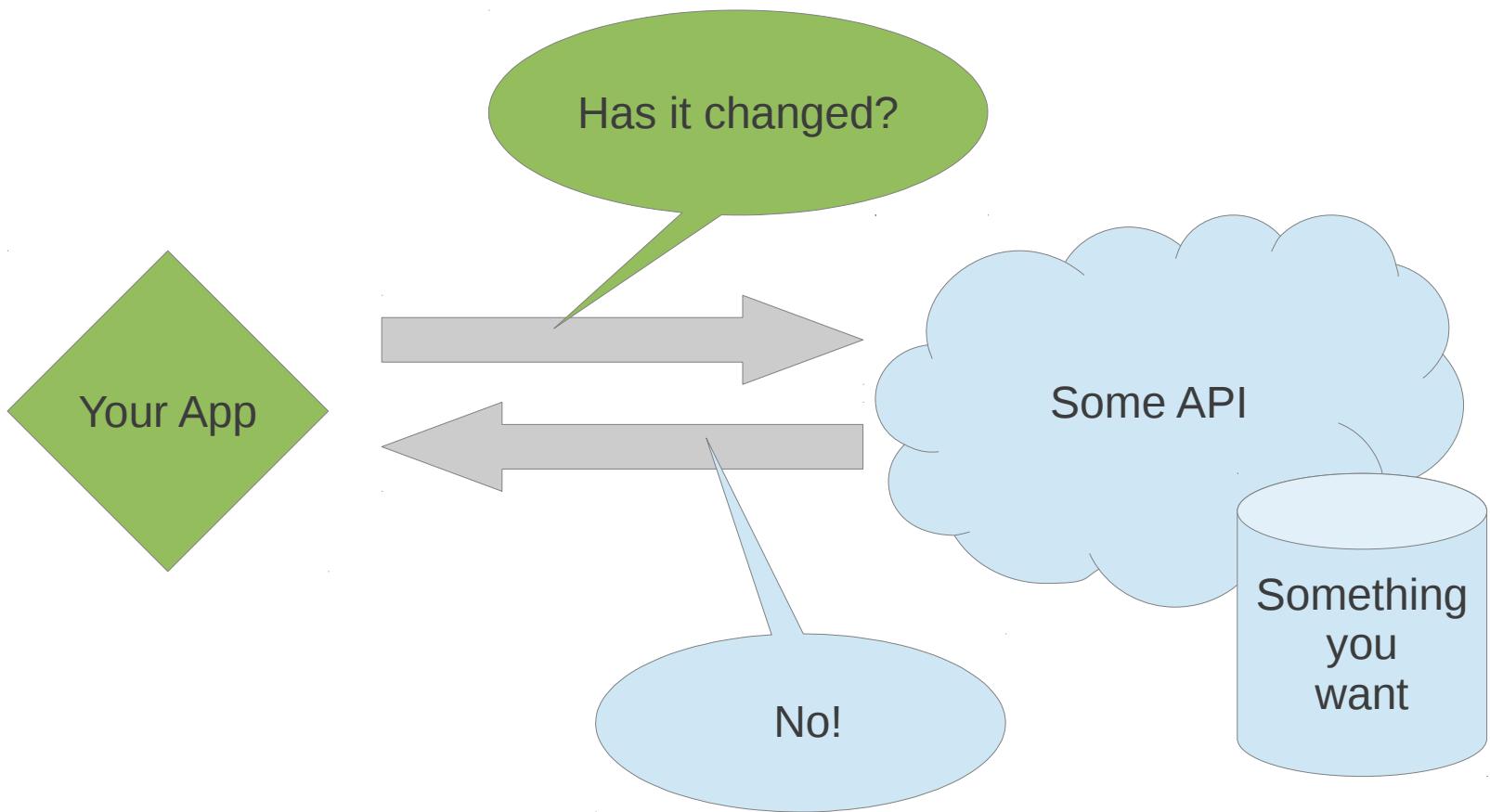
# WEBHOOKS IN ACTION



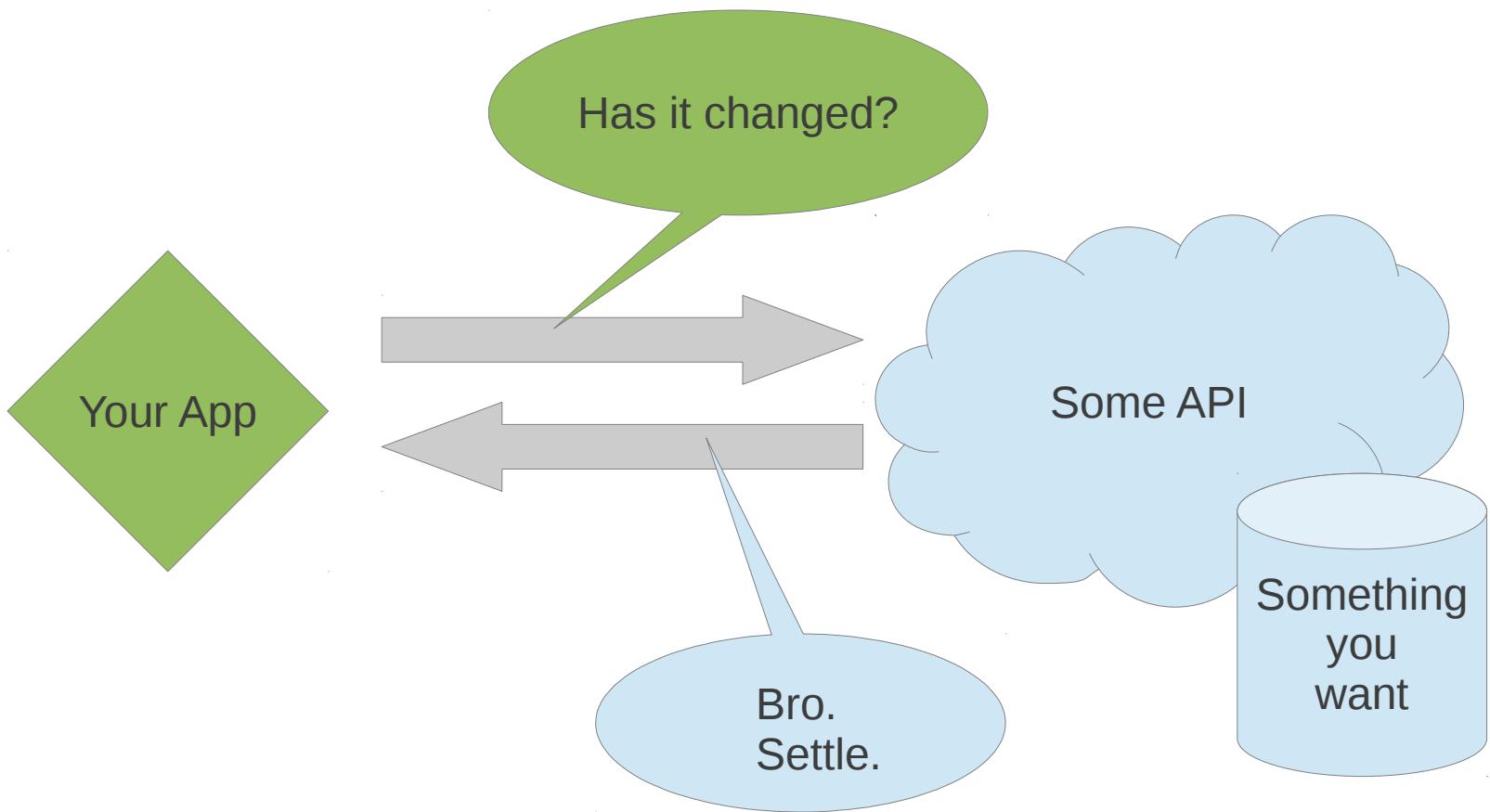
# !WEBHOOKS



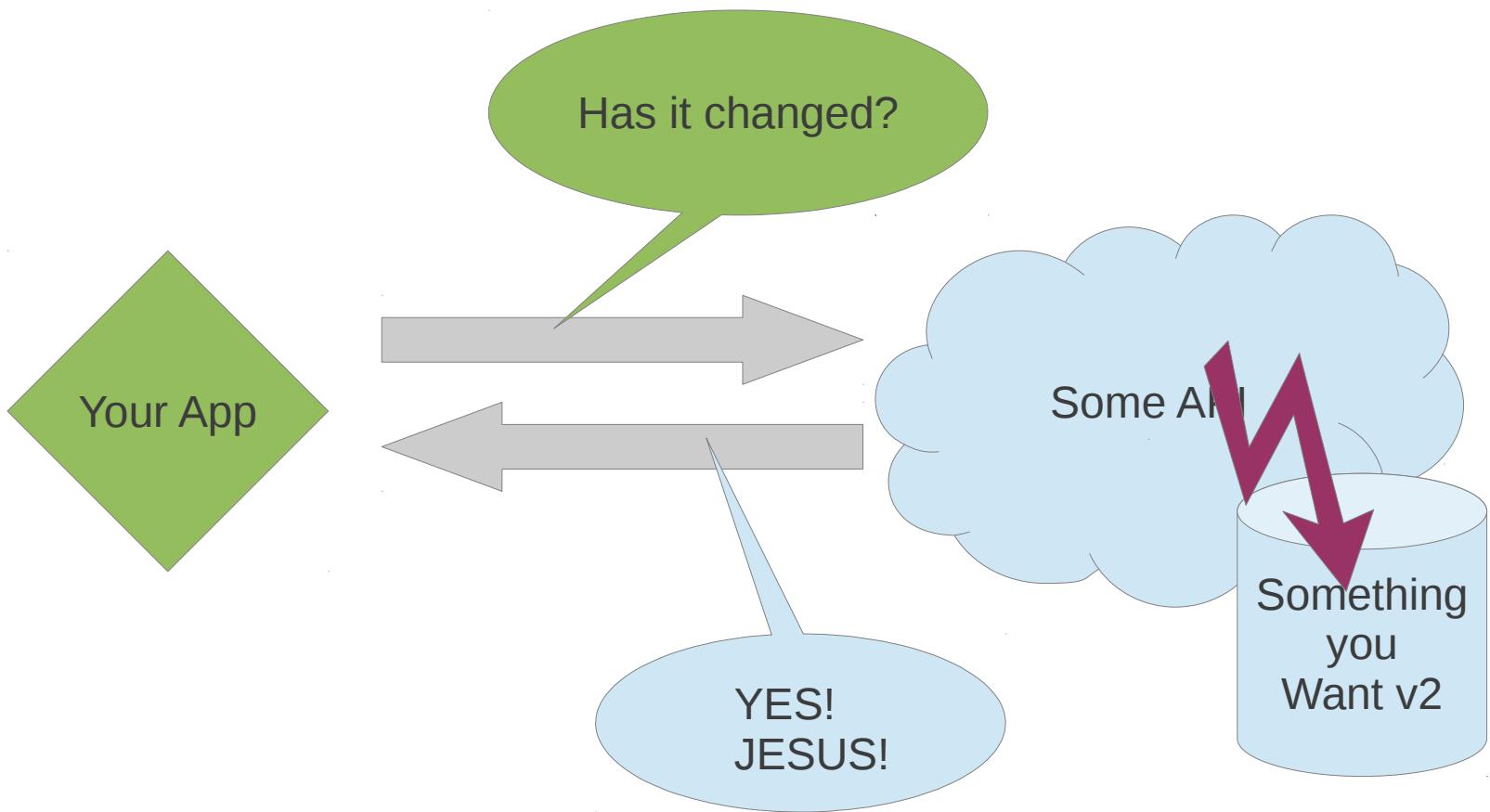
# !WEBHOOKS



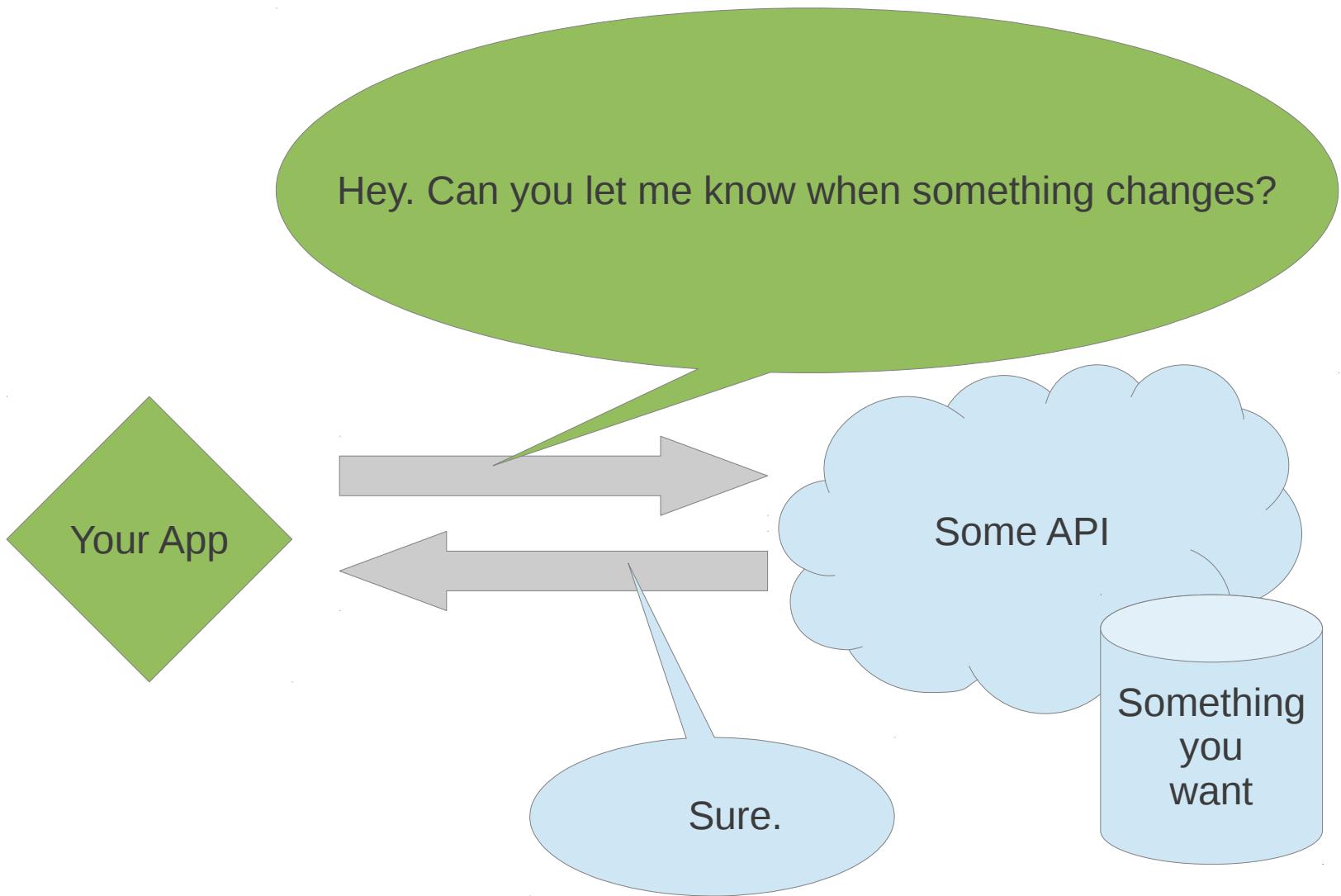
# !WEBHOOKS



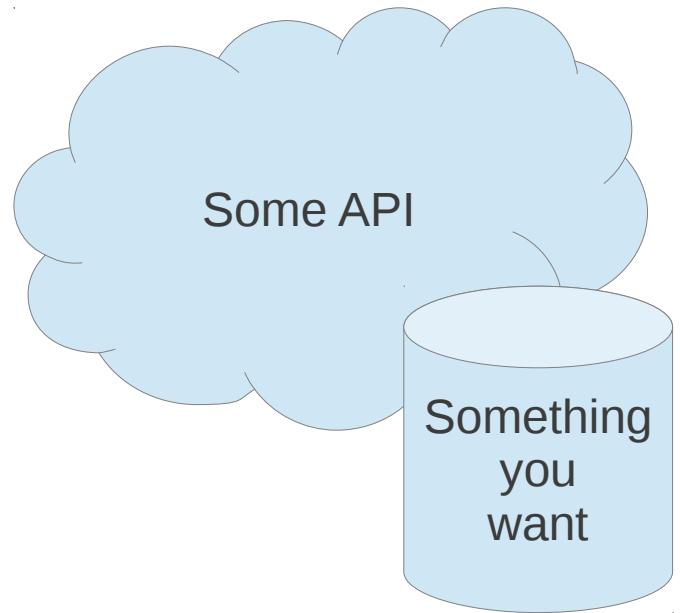
# !WEBHOOKS



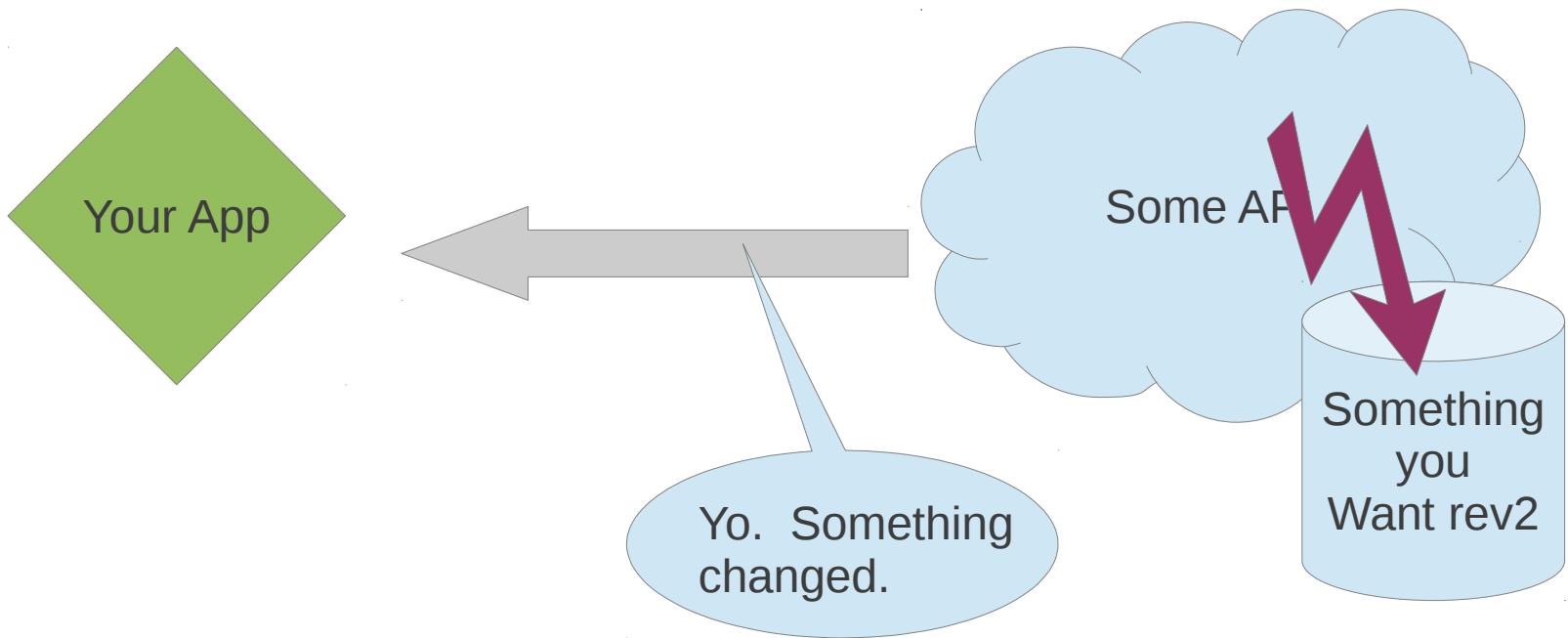
# !WEBHOOKS



# WEBHOOKS



# WEBHOOKS

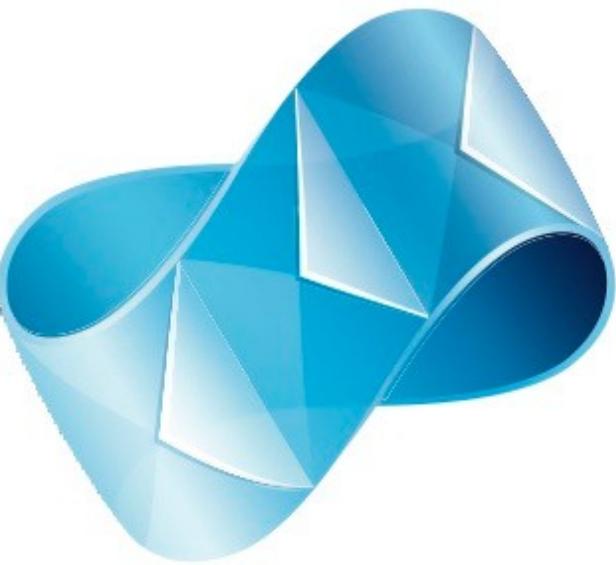


# WEBHOOKS



foursquare

FOURSQUARE



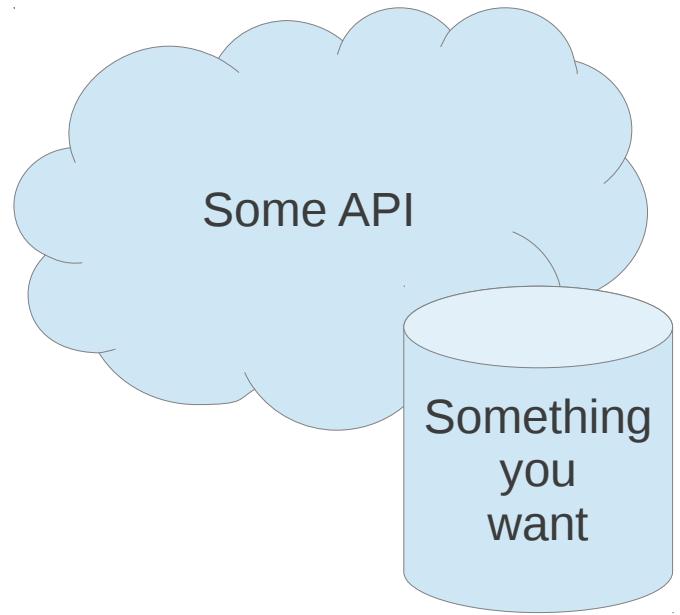
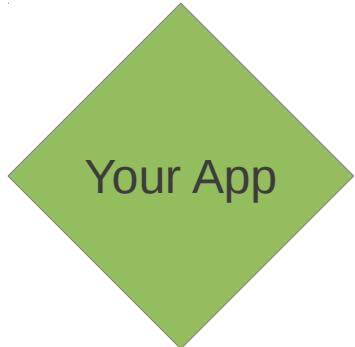
***SendGrid***  
*Email Delivery. Simplified.*

**SENDGRID**

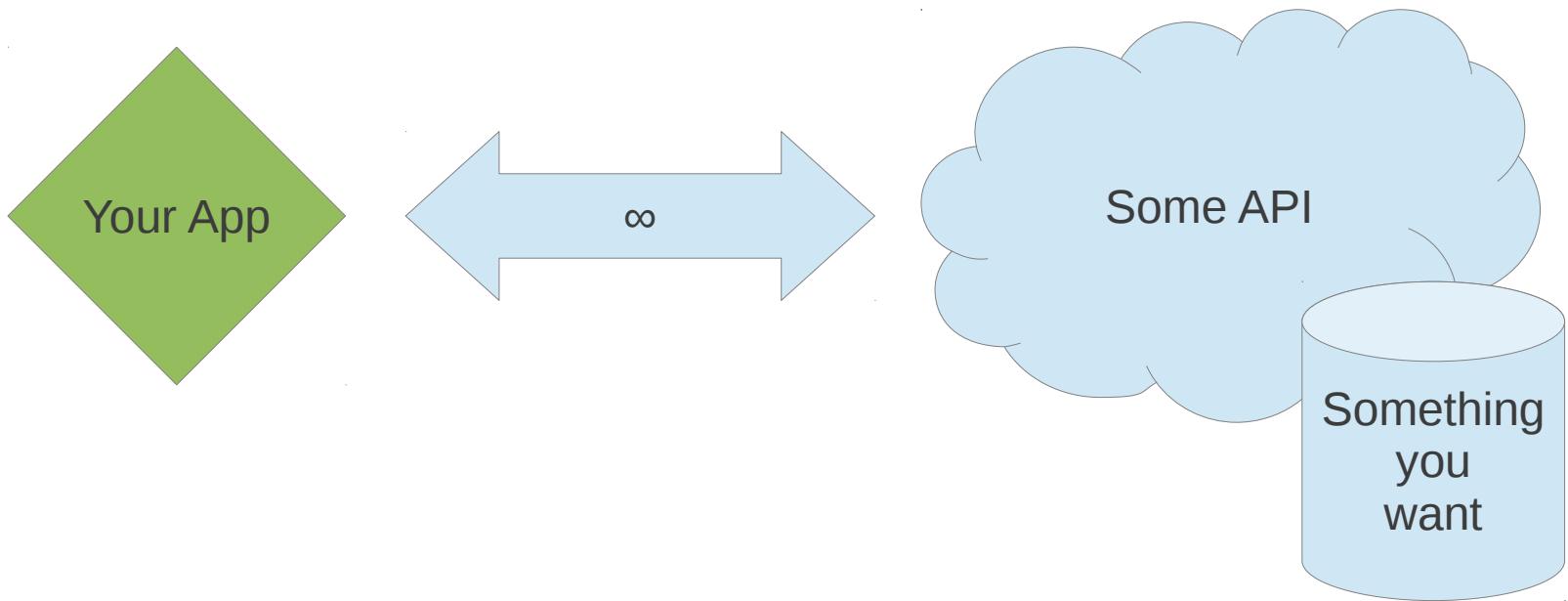
# STREAMING

A photograph of a waterfall cascading down a series of rocky ledges in a dense forest. The water flows from left to right, creating white foam at the base of each step. The surrounding trees are dark and leafy, with sunlight filtering through the canopy.

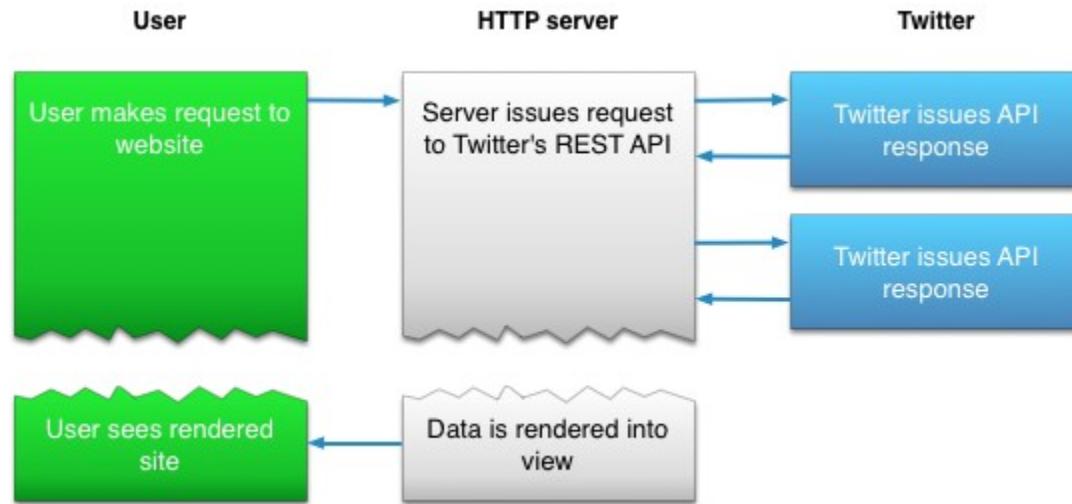
# DATA FLOW



# STREAMING IN ACTION



# STREAMING IN ACTION



# TWITTER

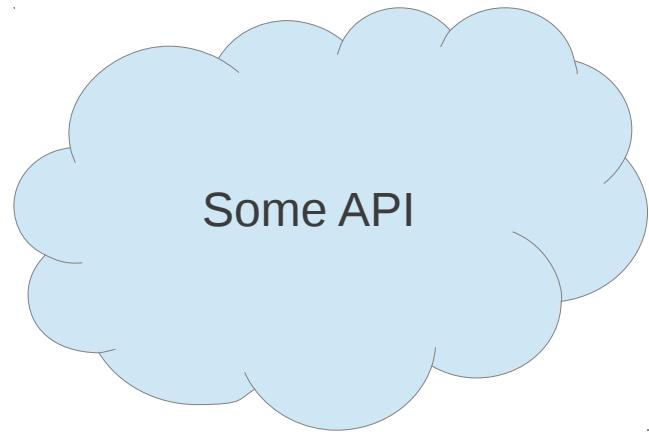


# PUSHER

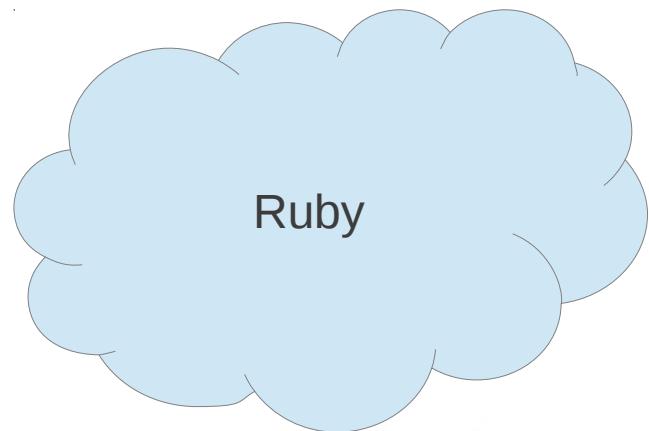
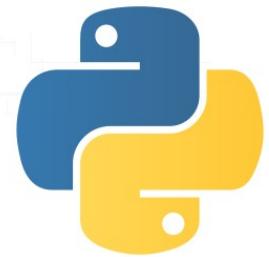
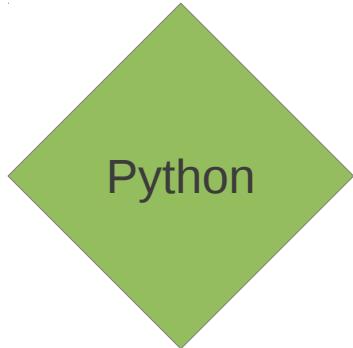
# XML / JSON



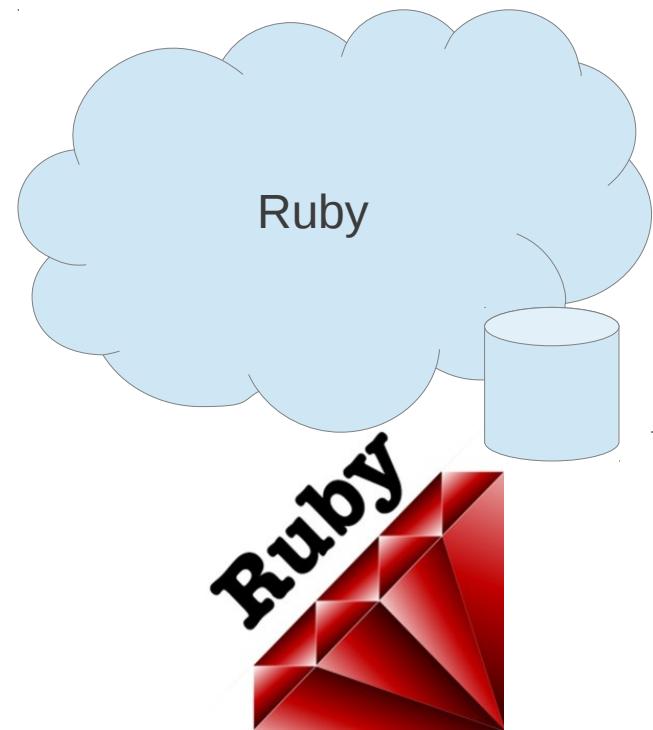
# SERIALIZATION



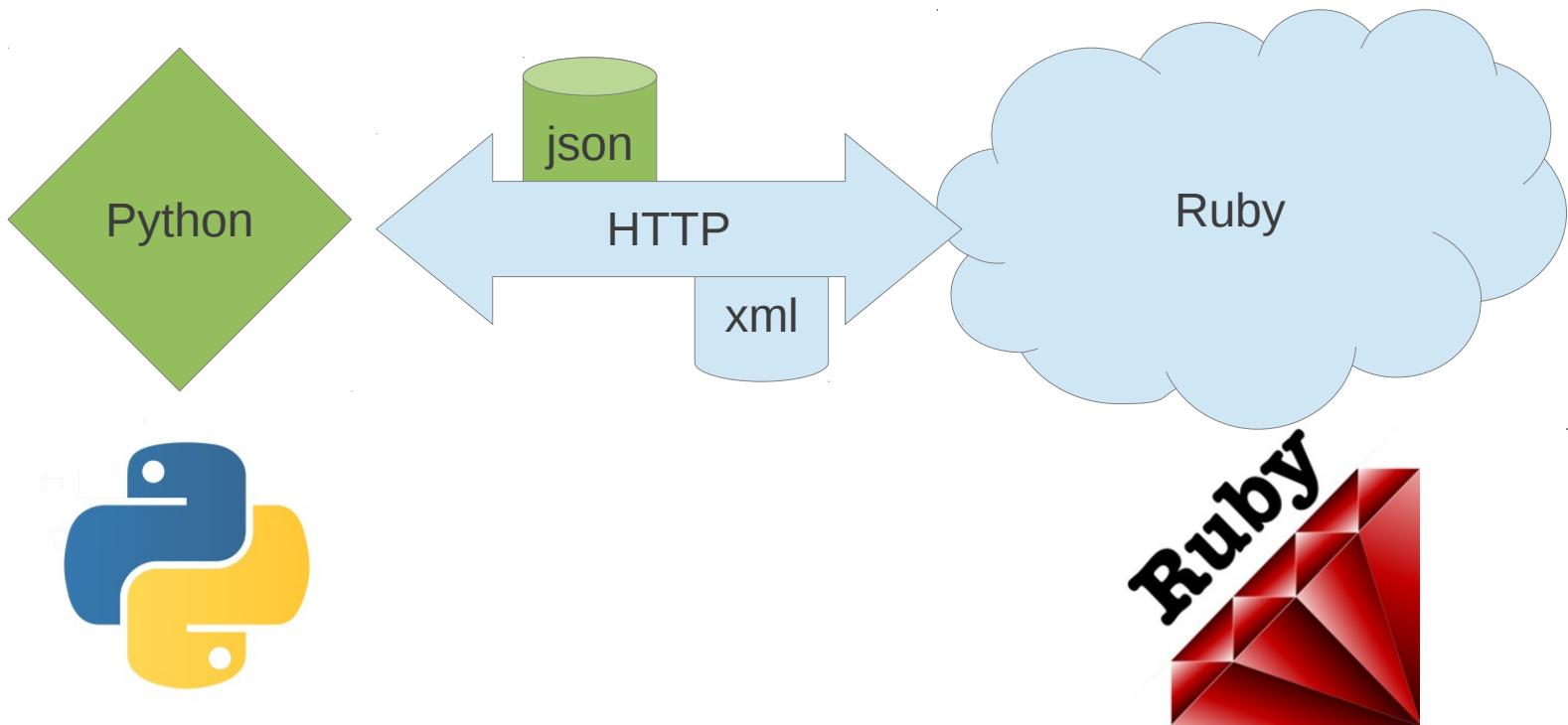
# SERIALIZATION



# SERIALIZATION



# SERIALIZATION



# SERIALIZATION

```
<?xml version="1.0"?>
<result_set>
  <status>
    OK
  </status>
  <copyright>
    Copyright (c) 2013 The New York Times Company.
  </copyright>
  <results>
    <num_results>
      20
    </num_results>
    <offset>
      0
    </offset>
    <members>
      <member>
        <id>
          M000133
        </id>
        <first_name>
          Edward
        </first_name>
        <middle_name>
          J.
        </middle_name>
        <last_name>
          Markey
        </last_name>
      </member>
    </members>
  </results>
</result_set>

{
  "status": "OK",
  "copyright": "Copyright (c) 2013 The New York Times Company",
  "results": [
    {
      "num_results": "20",
      "offset": "0",
      "members": [
        {
          "id": "M000133",
          "first_name": "Edward",
          "middle_name": "J.",
          "last_name": "Markey",
          "party": "D",
          "chamber": "Senate",
          "state": "MA",
          "start_date": "2013-07-16"
        },
        {
          "id": "C001100",
          "first_name": "Jeffrey",
          "middle_name": "S.",
          "last_name": "Chiesa",
          "party": "R",
          "chamber": "Senate",
          "state": "NJ",
          "start_date": "2013-06-10"
        }
      ]
    }
  ]
}
```

# XML / JSON

**PYTHON: BeautifulSoup**

**RUBY: Nokogiri**

**PHP: SimpleXML**

**NODE: xml2js**

**GOOD XML PARSERS**

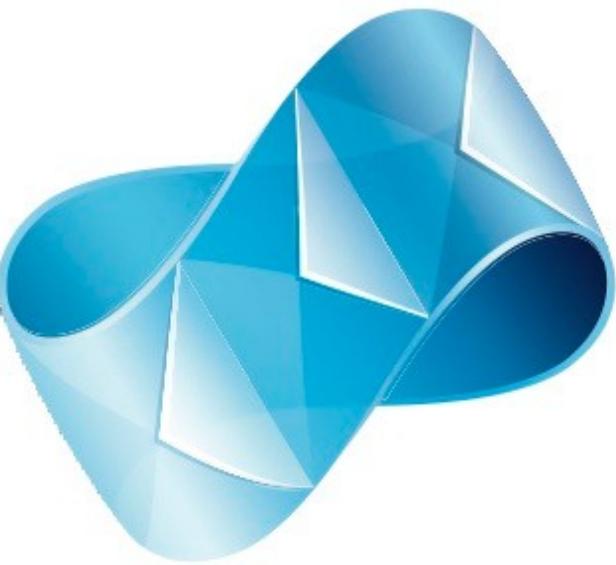
# LANDSCAPE



**twilio**<sup>TM</sup>

CLOUD COMMUNICATIONS

**TWILIO**



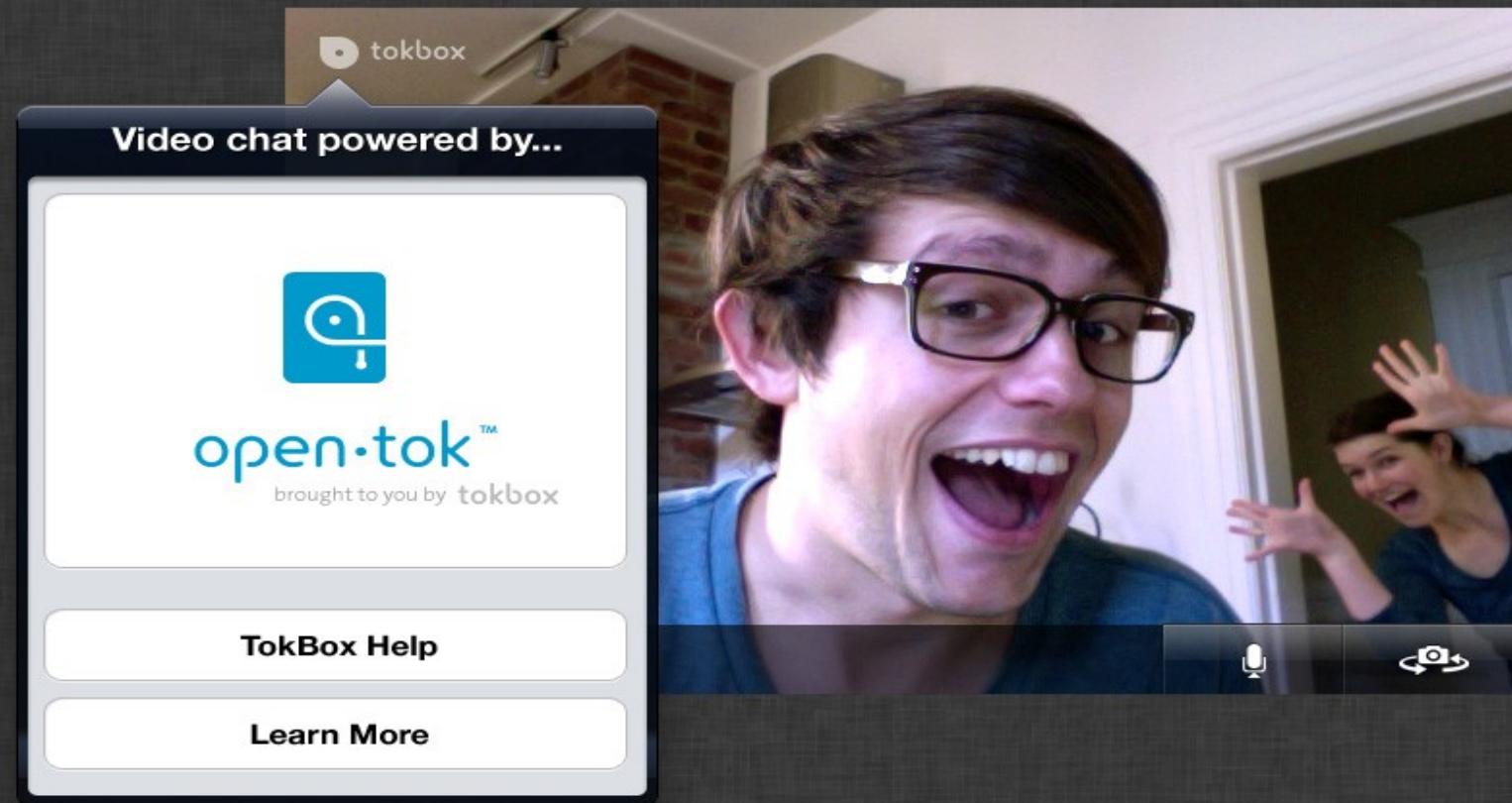
***SendGrid***  
*Email Delivery. Simplified.*

**SENDGRID**



# PUSHER

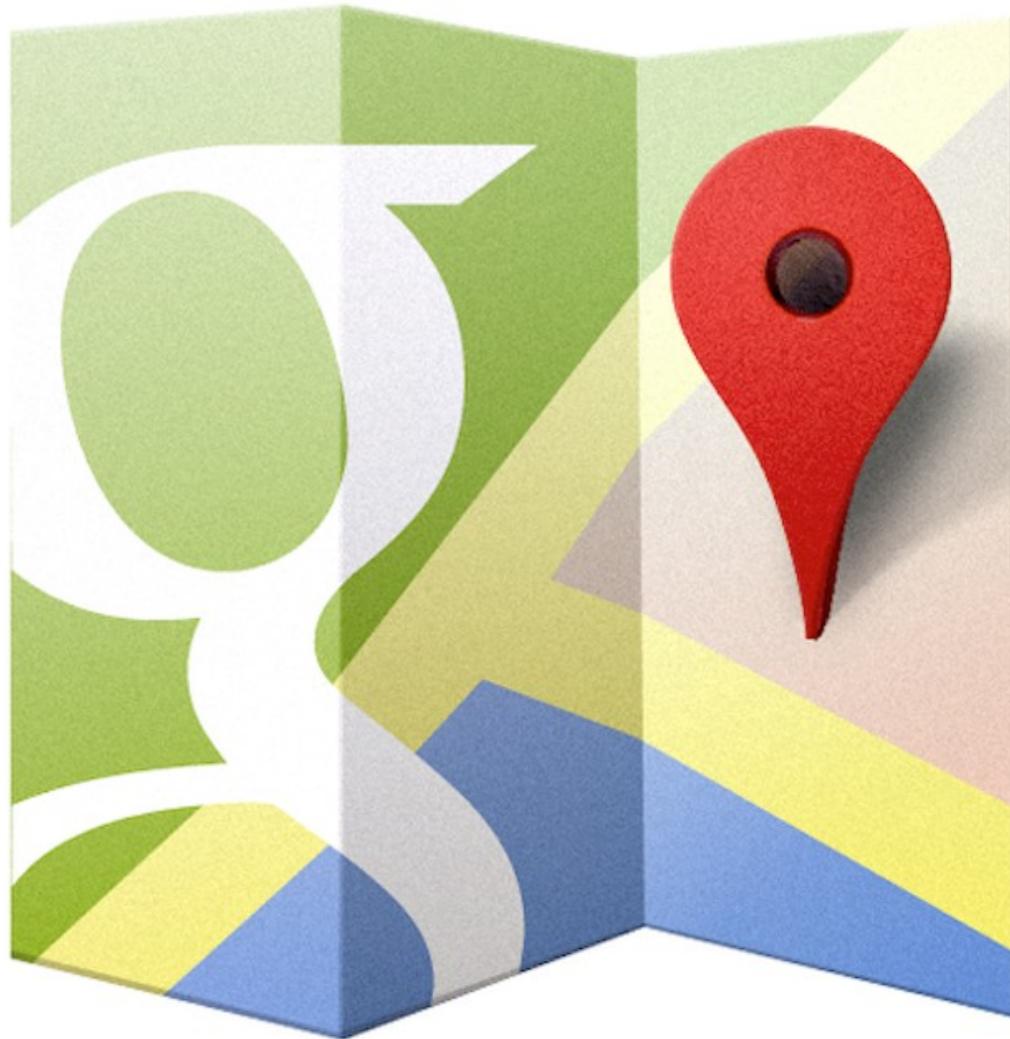
Publisher | 640 x 426  
Bug UI Event: Touch Up



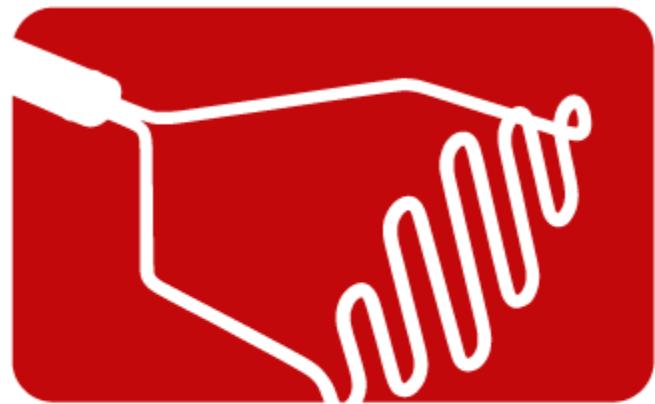
# OPENTOK



ECHONEST



# GOOGLE MAPS



MASHERY

MASHERY

# TOOLS



**DON'T USE ME**



# HELPER LIBRARIES

**PYTHON: requests**

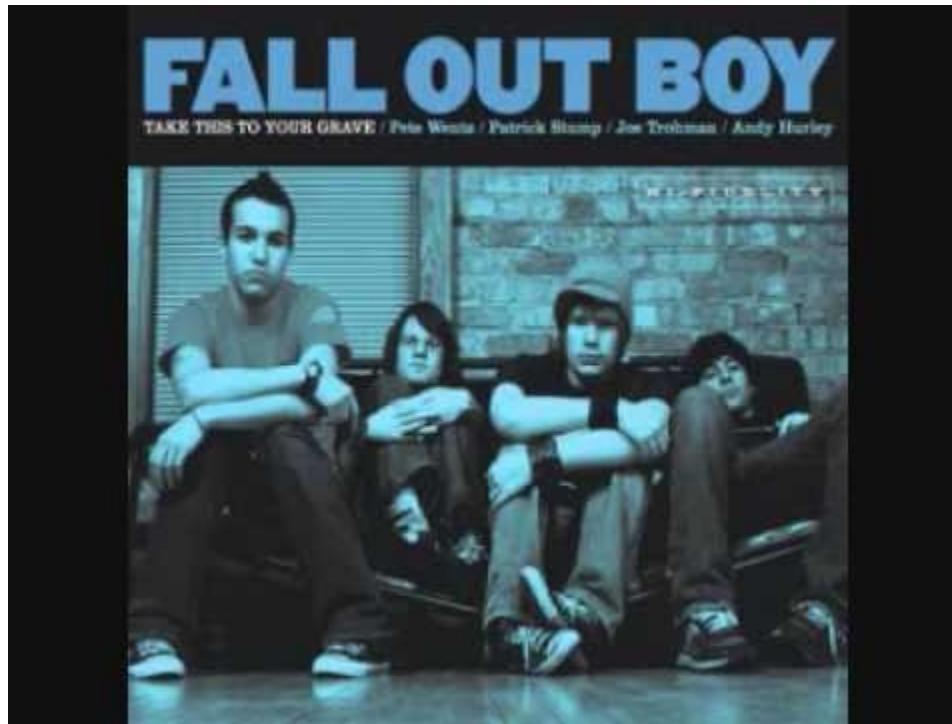
**RUBY: httparty**

**PHP: Guzzle**

**JAVA: Google HTTP Client**

**.NET: RestSharp**

**PLAN B: HTTP CLIENTS**



# REINVENTING THE WHEEL

**PYTHON: django**

**RUBY: rails**

**PHP: yii, symfony**

**JAVA: play**

**.NET: MVC.NET**

**SINK: FRAMEWORKS**

**PYTHON: flask**

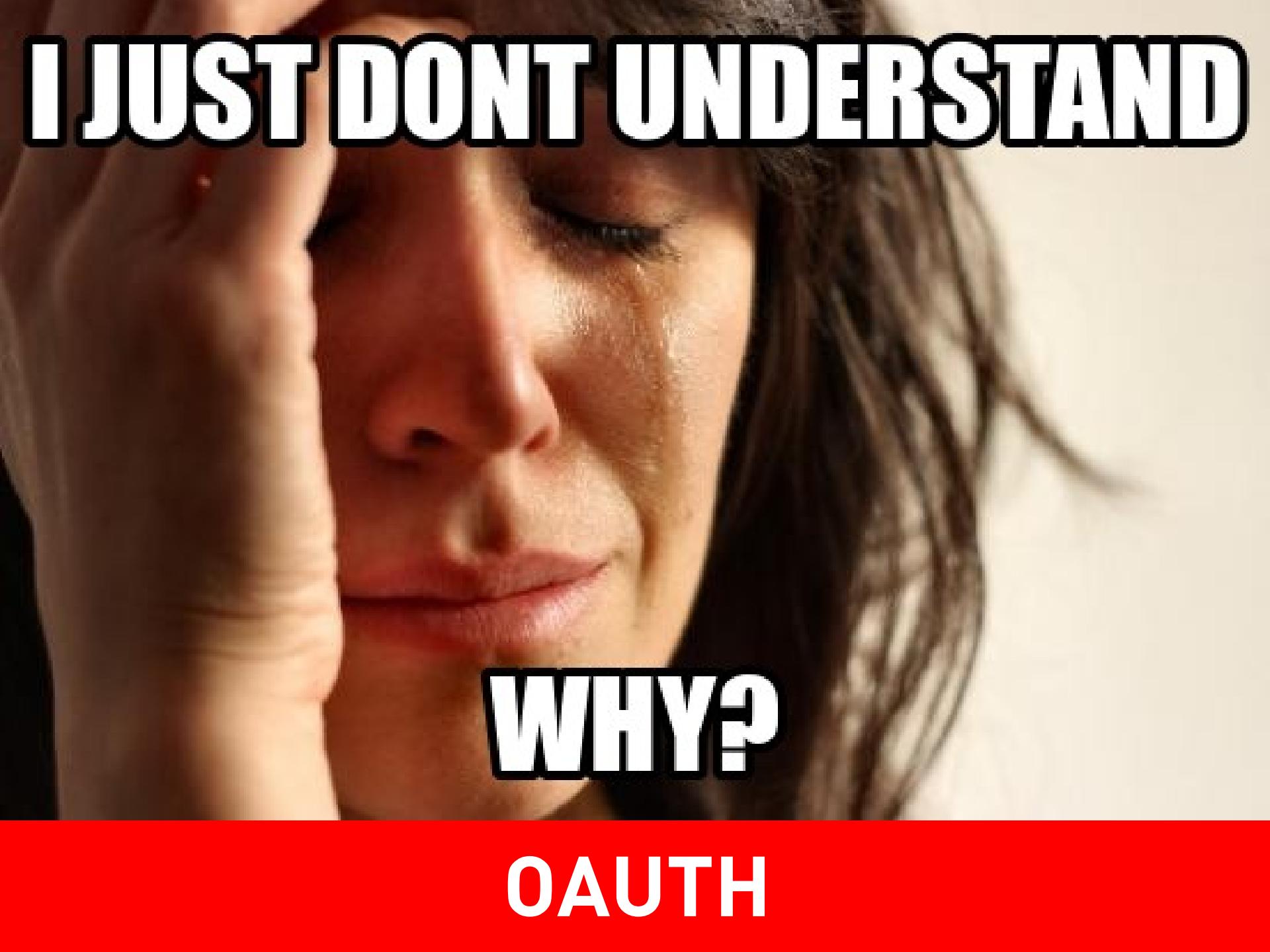
**RUBY: sinatra**

**PHP: laravel**

**JAVA: spark**

**NODE.JS: express**

**NO SINK: FRAMEWORKS**



**I JUST DONT UNDERSTAND**

**WHY?**

**OAUTH**

# INTEGRATION

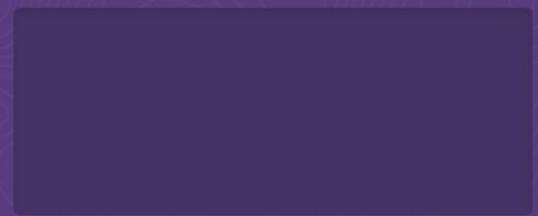


**DO IT LIVE**

# DESIGN

# Getting started

An overview of Bootstrap, how to download and use, basic templates and examples, and more.



[Looking for Bootstrap 2.3.2 docs?](#) We've moved it to a new home while we push forward with Bootstrap 3. [Read the blog](#) for details.

[Download Bootstrap](#)

[What's included](#)

[Basic template](#)

[Examples](#)

[Disabling responsiveness](#)

[Migrating from 2.x to 3.0](#)

[Browser support](#)

[Third party support](#)

## Download Bootstrap

There are a few easy ways to quickly get started with Bootstrap, each one appealing to a different skill level and use case. Read through to see what suits your particular needs.

### Compiled CSS, JS, and fonts

[Bootstrap CSS](#) | [Bootstrap JS](#) | [Bootstrap fonts](#) | [Bootstrap LESS](#) | [Bootstrap SCSS](#) | [Bootstrap SASS](#) | [Bootstrap LESS variables](#)

**YOU'LL SEE A LOT OF THIS**



**ZURB FOUNDATION**



# INK

Don't like wasting time? Get Ink now.

[Download \(2.2.1\)](#)[GitHub](#)

## Welcome to Ink

Ink is a set of tools for quick development of web interfaces.

It offers a fluid and responsive grid, common interface elements, interactive components, a design-first approach with ease of use and simplicity at its core. Start integrating Ink in your projects and remove the hassle of building the basics, staying free to focus on what's important.

### Ink is now V2!

Since launch, we've been working hard to make Ink even better. We improved and simplified our grid, made our code easier to learn, made our JS components simpler to implement and rewrote our documentation from scratch.

Check the [changelog](#) to learn all about what's new.

# InK

# Bourbon Neat Examples

## Basic

```
@include span-columns(6);
```

```
@include span-columns(6);
```

## Multiple rows

(1)

```
@include span-columns(11);  
@include omega();
```

# BOURBON NEAT

# DEPLOY



**SIMPLE DEPLOYMENT**



# NODE AND WEBSOCKETS



Google  
App Engine

# GOOGLE APP ENGINE



Parse

**PARSE**



# FIREBASE

# THANK YOU

[Github.com/RobSpectre/Talks](https://github.com/RobSpectre/Talks)

[www.brooklynhacker.com](http://www.brooklynhacker.com)

@dN0t – [rob@twilio.com](mailto:rob@twilio.com)

