

Lambda+GitHub+Travis CIで 全自動サーバーレスAPI

宮内 隆行

@miya0001

自己紹介

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Self Hosting

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<https://ja.amimoto-ami.com/>

VCCW

Vagrant based development environment for WordPress plugins, themes, or websites.



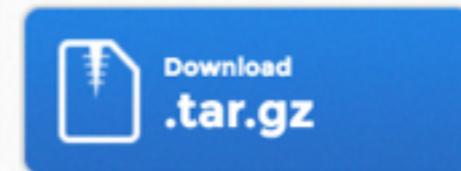
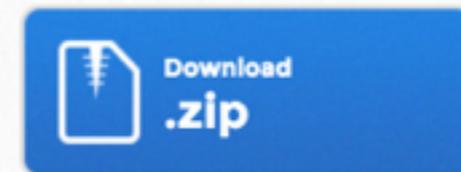
/ Vagrant + Chef + WordPress

This is a [Vagrant](#) configuration designed for development of WordPress plugins, themes, or websites.

VCCW includes customizable variables for setting the WordPress version (or beta release), language, hostname, subdirectory, admin credentials, default plugins, default theme, multisite, SSL and other options. These variables give you a lot of flexibility in tailoring your development environment to your specific needs.

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Issues

- "Error executing action 'install' on resource 'package[autoconf]'"
- Can't follow install process described on <http://vccw.cc/ubuntu-15.10>
- after 'vagrant resume' lost wp-admin data
- Triggering XDebug
- fresh box give a 404
- Using public network on fixed IP address
- Php error on customize page

<http://vccw.cc/>



WordPress REST API Team

<http://v2.wp-api.org/>

Repositories

People 9

Filters

Find a repository...

OAuth1

OAuth server implementation for WP API

Updated 10 hours ago

PHP ★ 167 📄 74

WP-API

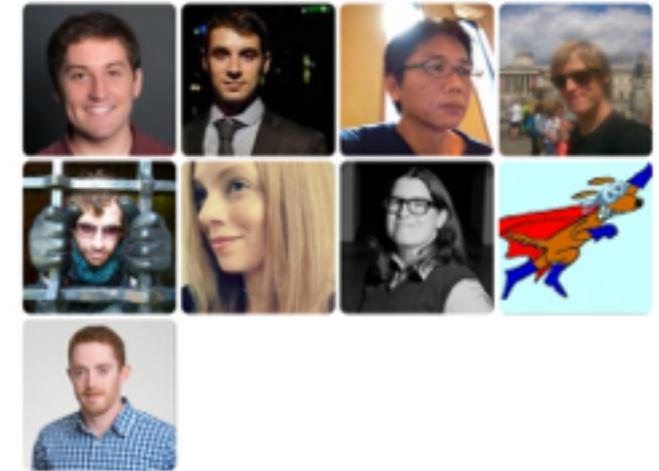
WP REST API - a JSON-based REST API for WordPress.

Updated 12 hours ago

PHP ★ 3,260 📄 596

People

9 >



<https://github.com/WP-API>

ここから本題



This organization

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Repositories

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Settings

Filters ▾

Find a repository...

New repository

postal-code-api

Postal Code API

Updated 22 hours ago

JavaScript ★ 31 📄 3

polbnda_jpn

Global Map Japan Administrative Boundary (CC-BY 4.0)

Updated 21 days ago

Ruby ★ 1 📄 1

jisx0411

Updated 27 days ago

Ruby ★ 0 📄 0

muni-geojson

GeoJSON from GSI.MUNI_ARRAY

Updated on May 10

HTML ★ 0 📄 0

People

7 >



Invite someone

郵便番号 API

build passing

この郵便番号APIはGitHubページを使用して静的なファイルで配信しているため信頼性が高く、さらにオープンソースなのでクライアントワークでも安心して使用できます。

また、郵便番号から英語の住所を取得することも可能です。（大口事業所個別番号は英語には対応していません。）

デモ

<https://madefor.github.io/postal-code-api/>

エンドポイント

```
https://madefor.github.io/postal-code-api/api/v1/
```

使い方

郵便番号が `100-0014` (東京都千代田区永田町)の住所を取得したい場合。

<https://madefor.github.io/postal-code-api/api/v1/100/0014.json>

```
{
  "code": "1000014",
  "data": [
```

仕組み

- Travis CIでGulpを発火して、日本郵便のウェブサイトからエクセルファイルをダウンロードして、JSONに変換後に、GitHubページにプッシュ。

```
1 var gutil = require( 'gulp-util' );
2 var through = require( 'through2' );
3 var csv = require( 'comma-separated-values' );
4 var path = require( 'path' );
5
6 module.exports = function () {
7   var transform = function( file, enc, callback ) {
8     var content = file.contents.toString();
9
10    var res = new csv( content, {
11      cast: [ 'String', 'String', 'String', 'String', 'String', 'String', 'String' ]
12    } ).parse();
13
14    var data = [];
15    for ( var i = 0; i < res.length; i++ ) {
16      var line = res[i];
17
18      // 前の行からの続きはスキップ
19      if ( line[3].match(/. /) && ! line[3].match(/ (/) ) {
20        continue;
21      } else if ( line[3].match(/ /) && ! line[3].match(/ (/) ) {
22        continue;
23      } else if ( line[6].match(/\. /) && ! line[6].match(/ \( /) ) {
24        continue;
25      } else if ( line[6].match(/ \( /) && ! line[6].match(/ \( (/) ) {
26        continue;
27      }
28
29      data.push( {
30        postal_code: line[0].trim()
```

それ用のgulpプラグイン作った。

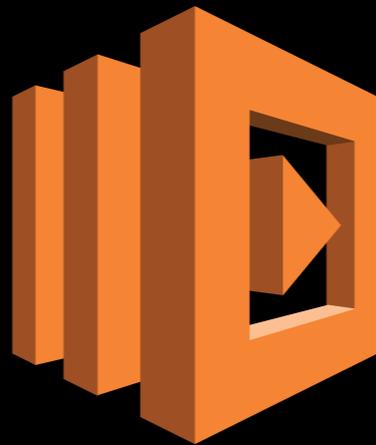
この方法のメリット

- GitHubページをAPIのインフラとして利用できる
のでいろいろおいしい。
- APIを作る仕組みそのものがオープンソースなので安心して使える。

デメリット

- Travis CIがgit pushをトリガーにしてるので、ここに人力が入ってしまう。。。

Lambdaがあるじゃん！



- 定期的にタスクを実行できる。
- 月間100万回までは無料！

Triggering builds through the API

This feature is currently in Beta.

Trigger Travis CI builds using the API (*v3 only*) by sending a POST request to `/repo/{slugid}/requests`.

Before using the Travis CI API you need to use the command line client to get an API token:

```
travis login --org
travis token --org
```

If you are using Travis CI with a private repository use `--pro` instead of `--org`

Here is a script for sending a minimal request to the master branch of the `travis-ci/travis-core` repository:

```
body='{
  "request": {
    "branch": "master"
  }}'

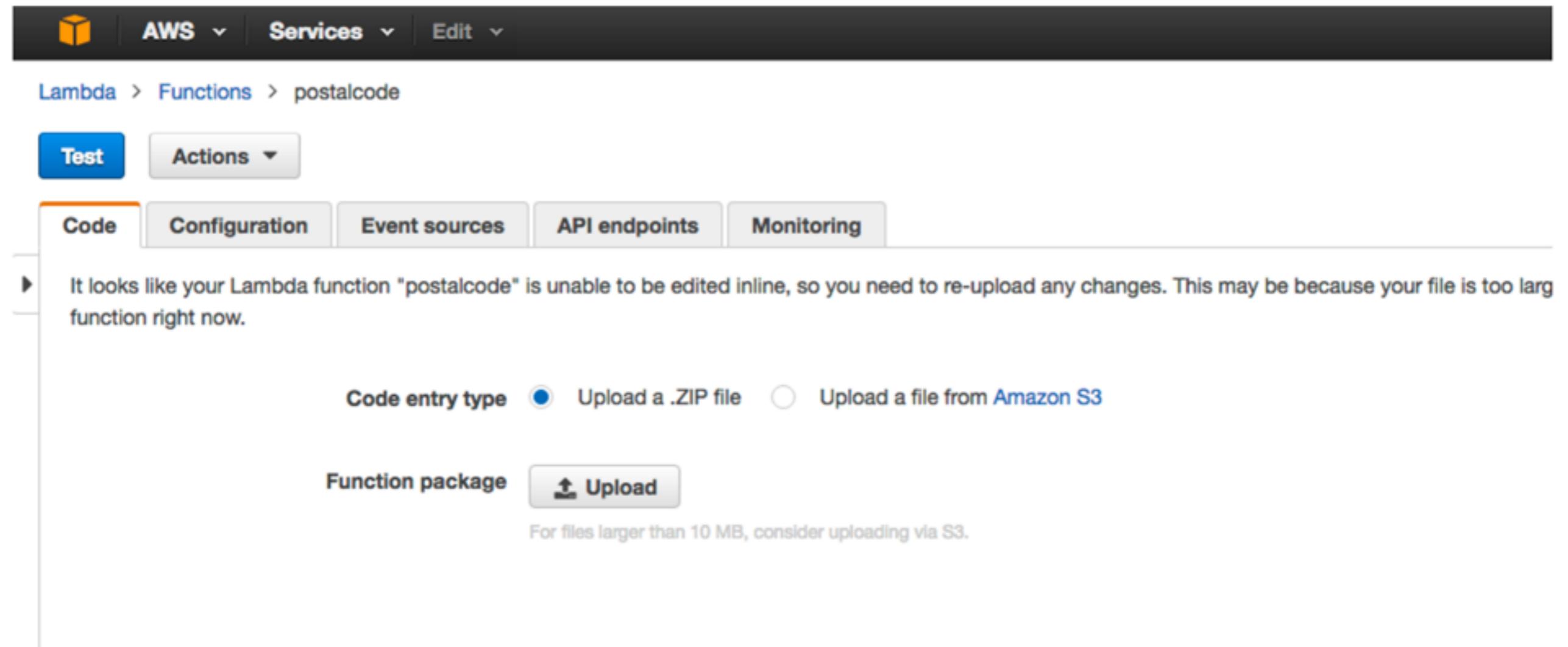
curl -s -X POST \
  -H "Content-Type: application/json" \
  -H "Accept: application/json" \
```

Travis CIのAPIをLambdaから毎日叩けばいいじゃん。

Fires the API of the Travis CI from Lambda on AWS

Build thorough the API of the Travis CI from Lambda on AWS.

```
$ git clone git@github.com:miya0001/lambda-kick-travis.git
$ cd lambda-kick-travis
$ npm install
$ cp config/default.json.sample config/default.json
$ vi config/default.json
$ zip -r lambda.zip index.js config node_modules
```



The screenshot shows the AWS Lambda console interface. At the top, there is a navigation bar with the AWS logo and dropdown menus for 'AWS', 'Services', and 'Edit'. Below the navigation bar, the breadcrumb path 'Lambda > Functions > postalcode' is visible. The main content area has a 'Test' button and an 'Actions' dropdown menu. Below these, there are five tabs: 'Code' (which is selected and highlighted with an orange underline), 'Configuration', 'Event sources', 'API endpoints', and 'Monitoring'. A message in the 'Code' tab states: 'It looks like your Lambda function "postalcode" is unable to be edited inline, so you need to re-upload any changes. This may be because your file is too large for the function right now.' Below this message, there are two radio buttons for 'Code entry type': 'Upload a .ZIP file' (which is selected) and 'Upload a file from Amazon S3'. Underneath, there is a 'Function package' section with an 'Upload' button. At the bottom of this section, a note reads: 'For files larger than 10 MB, consider uploading via S3.'

**というわけで無料で全自動な郵便番号APIが
できました。**

クライアントライブラリを作ってくれる人を
絶賛募集中です。

- <https://github.com/madefor/postal-code-api>
- <https://github.com/miya0001/lambda-kick-travis>