COLLABORATIVE API DEVELOPMENT

API Blueprint & Apiary
Collaborative What?
Why?
DESCRIBING APIS
API Blueprint

API Documentation with powerful tooling

- Web API Language
- Pure Markdown
- Designed for Humans
- Understandable by Machines
- Powerful Tooling
- Easy Lifecycle
API Documentation with powerful tooling

- Web API Language
- Pure Markdown
- Designed for Humans
- Understandable by Machines
- Powerful Tooling
- Easy Lifecycle
Examples

Hello World

# Message of the Day API
A simple [MOTD](http://en.wikipedia.org/wiki/Motd_(Unix)) API.

# Message [/messages/[id]]
This resource represents one particular message identified by its *id*.

## Retrieve Message [GET]
Retrieve a message by its *id*.

+ Response 200 (text/plain)

  Hello World!

## Delete Message [DELETE]
delete a message. **Warning**: This action **permanently** removes the message from the database.

+ Response 204

```json
{
  "_version": "3.8",
  "metadata": [],
  "name": "Message of the Day API",
  "description": "A simple [MOTD](http://en.wikipedia.org/wiki/Motd_(Unix)) API.
```

Larger Example

```json
{
  "_version": "3.8",
  "metadata": [],
  "name": "Message of the Day API",
  "description": "A simple [MOTD](http://en.wikipedia.org/wiki/Motd_(Unix)) API.
```
Powerful API Design Stack. Built for Developers. As a Service

Quick start with GitHub

No GitHub? Sign up with e-mail!


Apiary for Enterprise
Powerful API Design Stack. Built for Developers.

Work together to quickly design, prototype, document and test APIs

Quick start with GitHub

No GitHub? Sign up with e-mail!

INTRODUCTION

Clavin, is the Sparkbox Project Know-it-all... just like Cliff Clavin from the hit show Cheers. You can ask Clavin some deep questions about a project or just ask him what projects are out there!

Ask Clavin how things are going and he'll tell you how many hours and dollars are left in the budget, how aged the PRs look, the status of the backlog... you get the idea.

REFERENCE

Default

Projects Collection

List All Projects

You're probably going to want to know what projects
DEV PIPELINE
Editor Support

API Documentation with powerful tooling
API Documentation with powerful tooling
<table>
<thead>
<tr>
<th>Tool</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iglo</td>
<td>Custom API blueprint formatter</td>
</tr>
<tr>
<td>Sublime Text plugin</td>
<td>Parse API Blueprint with a hotkey</td>
</tr>
<tr>
<td>Atom editor language</td>
<td>API Blueprint &amp; MSON syntax highlighting.</td>
</tr>
<tr>
<td>Atom editor preview</td>
<td>Preview HTML Blueprint in the editor.</td>
</tr>
<tr>
<td>Vim editor plugin</td>
<td>API Blueprint syntax highlighting and integration with Vim.</td>
</tr>
<tr>
<td>Aglio</td>
<td>Custom API blueprint formatter</td>
</tr>
<tr>
<td></td>
<td>Render HTML from API blueprint files, with support for custom themes.</td>
</tr>
</tbody>
</table>
Sparkbox Clavin

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## Projects Collection [/projects]

### List All Projects [GET]

You're probably going to want to know what projects Clavin knows about. See, it might seem like he knows everything, but it's just that he knows a lot. Here's how you can find out just how much.

Response 200 (application/vnd.api+json)

```
{
    data: [{
        "type": "project",
        "id": 1,
        "attributes": {
            "name": "GemCityJS",
            "published_at": "2015-08-05T08:40:51.620Z",
            "active": true
        },
        "links": {
            "status": "/projects/1/status",
        }
    }
}
```

Body

```
{
    data: [{
        "type": "project",
        "id": 1,
        "attributes": {
            "name": "GemCityJS",
            "published_at": "2015-08-05T08:40:51.620Z",
            "active": true
        },
        "links": {
            "status": "/projects/1/status",
        }
    }
}
```
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### Projects Collection
#### /projects

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Response 200 application/vnd.api+json

```json
{
  data: [
    {
      "type": "project",
      "id": 1,
      "attributes": {
        "name": "GemCityJS",
        "published_at": "2015-08-05T08:40:51.620Z",
        "active": true
      },
      "links": {
        "status": "/projects/1/status",
        "root": "/projects/1"
      }
    }
  ]
}
```
Clavin is the Sparkbox Project Know-it-all... just like Cliff Clavin from the hit show *Cheers* (http://www.imdb.com/title/tt0883390/).
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### Projects Collection /projects

#### List All Projects [GET]

You're probably going to want to know what projects Clavin knows about. See, it might seem like he knows everything, but it's just that he knows a lot. Here's how you can find out just how much.

```json
{
  "data": [
    {
      "type": "project",
      "id": 1,
      "attributes": {
        "name": "GemCity35",
        "published_at": "2015-08-05T08:40:51.620Z",
        "active": true
      },
      "links": {
        "status": "/projects/1/status",
        "self": "/projects/1"
      }
    },
    {
      "type": "project",
      "id": 2,
      "attributes": {
        "name": "seesparkbox.com",
        "published_at": "2015-08-05T08:40:51.620Z",
        "active": true
      },
      "links": {
        "status": "/projects/2/status",
        "self": "/projects/2"
      }
    }
  ]
}
```
# Sparkbox Clavin

Clavin, is the Sparkbox Project Know-it-all... just like Cliff Clavin from the hit show [Cheers](http://www.imdb.com/title/tt0082399/). You can ask Clavin some deep questions about a project or just ask him what projects are out there!

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### List All Projects [GET]

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```json
+
+ Response 200 (application/vnd.api+json)
+ {
+   "data": [
       {
         "type": "project",
         "id": 1,
         "attributes": {
           "name": "GenCityJS",
           "published_at": "2015-08-05T08:40:51.620Z",
           "active": true
         },
         "links": {
           "status": "/projects/1/status",
           "self": "/projects/1"
         }
       },
       {
         "type": "project",
         "id": 2,
         "attributes": {
           "name": "seesparkbox.com",
           "published_at": "2015-08-05T08:40:51.620Z",
           "active": true
         },
         "links": {
           "status": "/projects/2/status",
           "self": "/projects/2"
         }
       }
     ]
+ }
```
Vim
Clavin, the Sparkbox Project Know-it-all... just like Cliff
Clavin from the hit show [Cheers](http://www.imdb.com/title/tt0083399/).
You can ask Clavin some deep questions about a project or just ask him
what projects are out there!

Ask Clavin how things are going and he'll tell you how many hours and
dollars are left in the budget, how aged the PRs look, the status of
the backlog... you get the idea.

### Projects Collection (/projects)

#### List All Projects [GET]

You're probably going to want to know what projects Clavin knows about.
See, it might seem like he knows everything, but it's just that he knows
a lot. Here's how you can find out just how much.

Response 200 (application/vnd.api+json)

```json
{
  "data": [
    {
      "type": "project",
      "id": 1,
      "attributes": {
        "name": "GemCityJS",
        "published_at": "2015-08-05T08:40:51.620Z",
        "active": true
      },
      "links": {
        "status": "/projects/1/status",
        "self": "/projects/1"
      }
    },
    {
      "type": "project",
      "id": 2,
      "attributes": {
        "name": "seesparkbox.com",
        "published_at": "2015-08-05T08:40:51.620Z",
        "active": true
      },
      "links": {
        "status": "/projects/2/status",
```
GENERATING DOCS
$> $ npm install -g aglio

# generate
$> aglio -i <file> -o docs.html

# server
$> aglio -i <file> -s
$> gem install apiaryio

# preview server
$> apiary preview --server

ruby gem
DEMO
MOCK APIS
Default

Projects Collection

List All Projects

You’re probably going to want to know what projects Clavin knows about. See, it might seem like he knows everything, but it’s just that he knows a lot. Here’s how you can find out just how much.

Create a New Project

Sometimes you need to tell Clavin what’s-what. He’s a steal trap though - he won’t forget a thing! (No warranty provided, YMMV)
Default

Projects Collection

List All Projects

You’re probably going to want to know what projects Clavin knows about. See, it might seem like he knows everything, but it’s just that he knows a lot. Here’s how you can find out just how much.

Create a New Project

Sometimes you need to tell Clavin what’s what. He’s a steal trap though - he won’t forget a thing! (No warranty provided. YMMV.)

GET https://private-3b818-sparkboxclavin.apiary-mock.com/projects

Headers

Add a new header

Reset Values

Mock Server

Call Resource

Sent

Compare

Code Example

Content-Length: 8
I want to know what projects he's working on, it might seem like he knows a lot. Here's how much.
Drakov API Blueprint Mock Server

Mock server that implements the API Blueprint specification:
Drakov API Blueprint Mock Server

Mock server that implements the API Blueprint specification:
DEMO
LET’S DO THIS
DISCUSSION
THANKS!

@cromwellryan
ryan@heysparkbox.com