

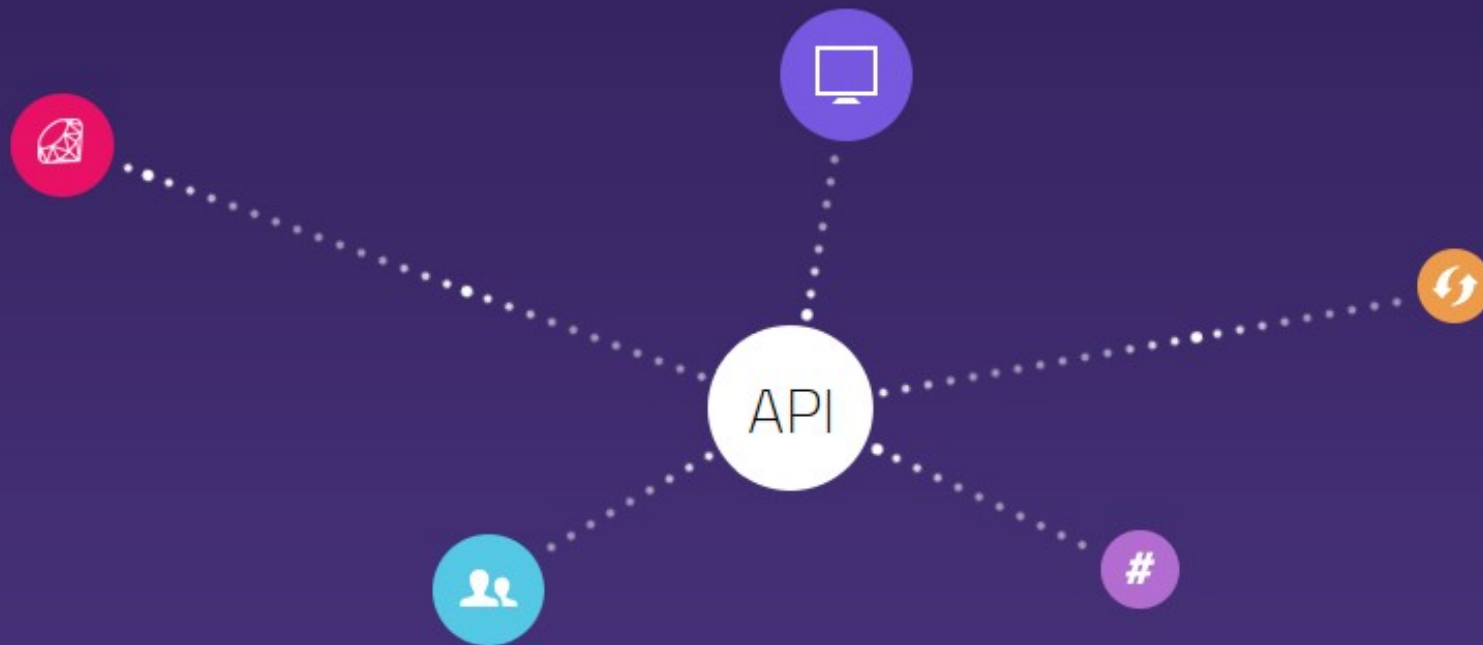
# Dredd::Rack



# Straightforward API Documentation



apiblueprint



## Connecting the dots in API development

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

```

111 ▾ ### Implementation
112
113 Codes are not directly interpretable as JSON **number
114
115 From ou point of view, extracting the _regions_ and _
116
117 ▾ # Group Comunas
118
119 Resources of the **Chilean Cities API** from the _com
120
121 ▾ ## Comunas Collection [/comunas]
122
123 ▾ ### List all Comunas [GET]
124
125 + Response 200 (application/json; charset=utf-8)
126
127     [{
128         "comuna": {
129             "name": "Arica",
130             "code": "15101",
131             "contained_in": {
132                 "provincia": {
133                     "code": "151"
134                 }
135             }
136         }
137     ]

```

- markdown

- HTTP verb

- URL

- request body

- response code

- example body

- JSON schema

[apiblueprint.org](https://apiblueprint.org)



Awesome Tooling



# Awesome Tooling



## Tooling



**Apiary.io**  
**REST API Platform**  
See, write and share APIs

Apiary supercharges your Blueprints with interactive documentation, API mock, test suites, validations, traffic inspector and collaboration.



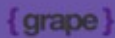



**Dredd**  
API Blueprint testing tool

Plug your API Blueprint into the CI and get no more outdated API documentation.



**Drakov**  
API Blueprint Mock Server In Node.js

Mock server that implements the API Blueprint specification, with a few extras rolled in. Usable as both a standalone server as well as a Node.js module.

	<b>grape-apiary</b> Autogeneration from Grape	Generate API blueprints automatically from your already defined Grape api endpoints.
	<b>grunt-apiary-blueprint</b> Concatenate and publish from Grunt	Generate your full API blueprint APIB by concatenation from smaller sections.
	<b>Dredd::Rack</b> Dredd ♥ for your Rack applications	A configurable Dredd runner and a clonable Rake task to automate the testing of your Rack (Rails, Sinatra, Grape...) applications API against their blueprints, with Dredd, in Ruby.
	<b>API Blueprint Manager</b> Manage and implement API Blueprint right inside your IDE	Check your implementation state, and generate entities and request based on API Blueprint.

Of course, also Dredd::Rack  : )

Apiary.io 

API Blueprint-based mock server.





```
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130         "code": "15101",
131         "contained_in": {
132           "provincia": {
133             "code": "151"
134           }
135         }
136       },
137     },
138     {
139       "comuna": {
140         "name": "Camarones",
141         "code": "15102",
142         "contained_in": {
143           "provincia": {
```



## Comunas

Resources of the **Chilean Cities API** from the *comuna* point of view.

## Comunas Collection

[List all Comunas](#)

## Comuna

A single Comuna object with all its details



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133                     "code": "151"
134                 }
135             }
136         },
137     ],
138     {
139         "comuna": {
140             "name": "Camarones",
141             "code": "15102",
142             "contained_in": {
143                 "provincia": {
144                     "code": "152"
```

[Switch to Example](#)

Comunas / Comunas Collection / List all Comunas

**GET** http://private-3b4c8-gonzalobulnes.apiary-mock.com/comunas

## Headers

content-type application/json



Add a new header

Reset Values

Mock Server



Call Resource

Sent

Compare

Code Example



Chilean Cities API

Yours • gonzalobulnes



Documentation

Inspector

Editor



API Blueprint Syntax Tutorial [↗](#)

✓ Valid API Blueprint

Preview

On

Save & Publish

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134                 }
135             }
136         },
137         {
138             "comuna": {
139                 "name": "Camarones",
140                 "code": "15102",
141                 "contained_in": {
142                     "provincia": {
143                         "code": "151"
144                     }
145                 }
146             }
147         }
148     ]
```



Switch to Example

Sent

Compare

Code Example

Request

content-type: application/json

Response

200

server: Cowboy

connection: keep-alive

x-newrelic-app-data:

PxQDVFVRCQITVLZRDgcFV0YdFHYaFhEHQxFSERd/cWYcShNDHVEDuLQFG1FIUw0GB1BTUwAEG0tVH

RQCUQNXXAAkHXAEADwFTB1UbTVcAXxEBaw==


content-type: application/ison; charset=utf-8

Dredd 

No more outdated API documentation.

# github.com/apiaryio/dredd

## Dredd — HTTP API Validation Tool

build **passing** dependencies **up to date** devDependencies **up to date** coverage **95%**  GITTER [JOIN CHAT →](#)



**npm install dredd**

22 dependencies    version 0.5.2  
2 dependents      updated 13 days ago

Dredd is a command-line tool for validating API documentation written in [API Blueprint](#) format against its backend implementation. With Dredd you can easily plug your API documentation into the Continuous Integration system like [Travis CI](#) or [Jenkins](#) and have API documentation up-to-date, all the time. Dredd uses the [Gavel](#) for judging if a particular API response is valid or if it isn't. If you are curious about how decisions are made, please refer to Gavel's [behavior specification](#).

# DREDD



No More Outdated  
API Documentation

# JS

Up-to-date documentation...  
or **contract-compliant API?**

Only a matter of point of views

Make your team happy, test-drive your API!

1. Get mobile and API devs to write API blueprints
2. Mobile devs start coding against Apiary servers
3. API devs use Dredd as integration testing tool

Your API teams love Rails, Sinatra, Grape, Rack apps?

They'll love Dredd  with Dredd::Rack  !



Dredd::Rack 

Use Dredd within your Ruby BDD stack.

# github.com/gonzalo-bulnes/dredd-rack

## Dredd::Rack

gem version 0.5.0 build passing code climate 4.0 dredd reference version 0.4.8 docs

**DISCLAIMER:** This is an early version of Dredd::Rack, please be aware that it will not be stable until `v1.0.0`. At any moment, [feedback](#) is more than welcome! :) -- GB

This gem provides a [Dredd](#) runner and a `dredd` rake task to make [API blueprint](#) testing convenient for Rack applications. When verifying blueprints locally, an application server is automatically set up, without need of any manual intervention.

Besides being convenient, that allows to use the API blueprints as acceptance test suites to practice [BDD](#) with Dredd and RSpec, for example, while clients developers use [Apiary](#) as a mock server.

## Installation

Add the gem to your `Gemfile` :

```
# Gemfile
```



# Write Ruby, execute Javascript!

JS

Dredd::Rack is a thin Ruby wrapper around the Dredd coffeescript.

## Configuration methods reference

```
# See https://github.com/apiaryio/dredd#command-line-options for Dredd commands usage
```

```
dredd = Dredd::Rack::Runner.new do |options|
```

```
  options.api_endpoint 'https://api.example.com' # allows to validate remote API
```

```
  options.hookfiles 'doc/hooks/*_hooks.coffee'
```

```
  options.only 'Machines > Machines Collection > List all Machines',  
               'Machines > Machine > Retrieve a Machine'
```

```
  options.reporter(:markdown)
```

```
  options.reporter(:html).output('doc/report.html')
```

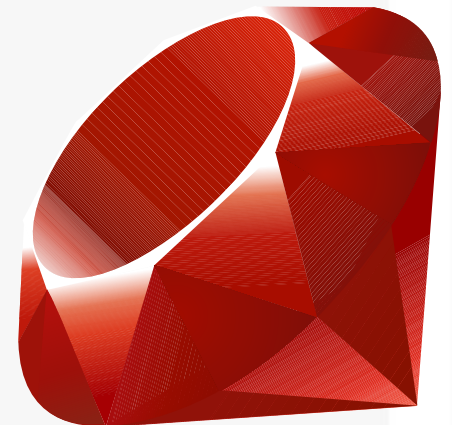
```
  options.header 'X-User-Email: alice@example.com'
```

```
  options.header 'X-User-Token: 1G8_s7P-V-4MGojaKD7a'
```

```
  options.user 'username:password'
```

```
  options.level(:info)
```

```
  options.path('doc/*.md').path('doc/*.apib.md')
```



```
# Rakefile
```

```
# ...
```

```
namespace :blueprint do
  namespace :verify do
```

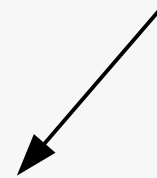
```
    desc 'Verify the whole API compliance with its blueprint'
    Dredd::Rack::RakeTask.new(:all)
```

```
    desc 'Verify the Machines API compliance with its blueprint'
    Dredd::Rack::RakeTask.new(:machines) do |task|
      task.runner.configure do |dredd|
        dredd.only 'Machines > Machines Collection > List all Machines',
                  'Machines > Machine > Retrieve a Machine' # etc.
        dredd.sorted!.details!
      end
    end
```

```
    # ...
  end
end
```

```
# run with `rake blueprint:verify:all` and `rake blueprint:verify:machines`
```

## Lots of lovely Rake tasks and unicorns!



# Dredd::Rack

1. A *configurable* Dredd runner  
which handles local servers automatically :)
2. A *clonable* Rake task  
i.e. as many custom Rake tasks as you want
3. Future: use FactoryGirl et al. from your Dredd hooks  
Contributions are welcome on Github!

Unleash the power of **API Blueprint** with Dredd  !

# Dredd::Rack



**Thanks!**

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# Credits

<https://apibluetooth.org>

<https://apiary.io>



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