



Swagger API Docs

Spring Boot Configure **Swagger** API
Documentation

API Documentation

API documentation is technical content that documents the API. It includes instructions on how to effectively use and integrate the API. It also provides updates on the API's lifecycle such as new versions or retirement. Some aspects of API documentation can be generated automatically via Swagger or other documents.

Wavefront REST API Documentation

Wavefront REST API

The Wavefront REST API enables you to interact with Wavefront servers using standard REST API tools. You can use the REST API to automate commonly executed operations such as automatically tagging sources.

When you make REST API calls outside the Wavefront REST API documentation you must add the header "Authorization: Bearer <<API-TOKEN>>" to your HTTP requests.

Account (Service Account)		Show/Hide List Operations Expand Operations
Alert		Show/Hide List Operations Expand Operations
ApiToken		Show/Hide List Operations Expand Operations
Cloud Integration		Show/Hide List Operations Expand Operations
Dashboard		Show/Hide List Operations Expand Operations
GET	/api/v2/dashboard	Get all dashboards for a customer
POST	/api/v2/dashboard	Create a specific dashboard
DELETE	/api/v2/dashboard/{id}	Delete a specific dashboard
GET	/api/v2/dashboard/{id}	Get a specific dashboard
PUT	/api/v2/dashboard/{id}	Update a specific dashboard
POST	/api/v2/dashboard/{id}/favorite	Mark a dashboard as favorite
GET	/api/v2/dashboard/{id}/history	Get the version history of a specific dashboard

Why use API Documentation?

Here example list api on some application.

Application will be growth based on adding new features top on it.

A large reason why API documentation is important is to increase API adoption. Comprehensive documentation on all of the functionality, how to effectively use and integrate, and updates on the API lifecycle improves the experience for those using your APIs.

APIs List

No.	API	CAS #	Pharmaceutical	Status
1	Mefenamic acid	61-68-7	non-steroidal anti-inflammatory drug (NSAID). Tradename: PONSTEL	US DMF filed. Inspected by US FDA for prior approval of API with no 483. ANDA approval is expected end of 2012. Commercial production presently for non-regulatory market
2	Talinflumate	66898-62-2	Antiinflammatory, mucoregulator. Tradename TALMAIN (Korea), LOMUCIN	No SFDA file, but in commercial production for non-regulatory market
3	Tolfenamic acid	13710-19-5	non-steroidal anti-inflammatory drug (NSAID). Tradename: CLOTAM	No SFDA file, but in commercial production for non-regulatory market
4	Calcium Phenylpyruvate	51828-93-4	Combination of amino acids for use in managing protein metabolism during renal insufficiency. Tradename: Ketosteril	Product licenses approved by SFDA. Final documentation underway. SFDA inspection expected in 2Q 2013 with approval thereafter.
5	α -Ketovalline Calcium	51828-94-5		
6	α -Ketoleucine Calcium	51828-95-6		
7	D,L- α -Ketoleucine Calcium	66872-75-1		
8	2-Hydroxy-4-(methylthio)butyric acid calcium salt	4857-44-7		
9	Fexofenadine HCl	15439-40-8	Antihistamine, Tradename: Allegra	In commercial production for non-regulatory market. US DMF in preparation will be filed in Q4, 2012
10	Venlafaxine	93413-69-5	Antidepressant Tradename: Effexor	In commercial production for non-regulatory market.
11	Edaravone	89-25-8	Stroke recovery Traded by Mitsubishi	Process development completed, documents will be filed with SFDA in Q2 2013
12	Doxapram	7081-53-0	Respiratory stimulant. Tradename: Dopram	Process development completed and US DMF will be filed with FDA in Q3 2013

API Documentation Tools



Stoplight



apiary



POSTMAN

These tools have different UI but functionality its same for creating api documentation.

Why **Swagger**?

Because swagger have many functionality and have standard format like **OAS 3.0**

- OpenAPI Specification
- Open Source
- Greate API docs UI for frontend or mobile developer
- Used many big companies like Microsoft, National Geographic and many more.

OpenAPI Specification

Definition

The **OpenAPI** Specification, formerly known as the Swagger Specification, is the world's standard for defining RESTful interfaces.

The OAS enables developers to design a technology-agnostic API interface that forms the basis of their API development and consumption.



OpenAPI Specifications Example

```
openapi: 3.0.3
info:
  title: Swagger Petstore - OpenAPI 3.0
  version: 1.0.0
servers:
  - url: http://localhost:8080/api
paths:
  /pet:
    get:
      tags:
        - pet
      summary: Get list pet
      description: Get all pet data
      operationId: getPet
      responses:
        '200':
          description: Successful operation
          content:
            application/json:
              schema:
                type: array
                items:
                  $ref: '#/components/schemas/Pet'
```

Configure **API Docs** on Spring Boot

Preparation

We need prepare some prerequisites like below

- `springfox-boot-starter` and `springfox-swagger-ui` dependencies
- Spring Boot project
- IDE
- Glass of coffee 😊

