

**TAKE
THE
LEAD**

Unlocking the Power of Spec-Driven API Development

Antwerpen

...:::•

Sep 2024



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API & Event enthusiast

Opensource contributor
on Portman, Postman-to-K6, OpenAPI-format, EventCatalog



OPENAPI-FORMAT



EventCatalog

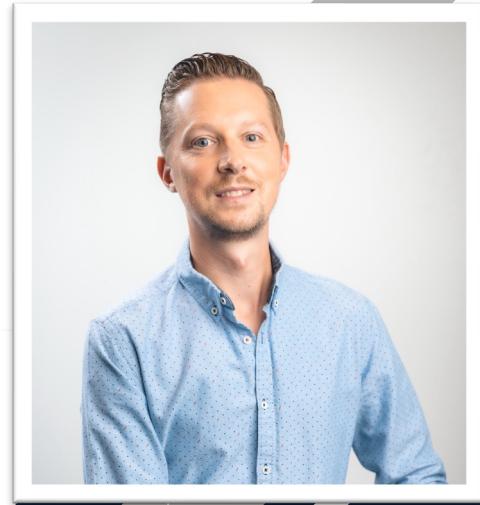


Table of contents

01

Kick-off

02

Specifications

03

Spec Driven Development

04

Workflow examples

MARVEL

REST API

Congrats!
You just launched your API 🚀



Where can I find the docs?



How fast can she go?



How can I play with it?



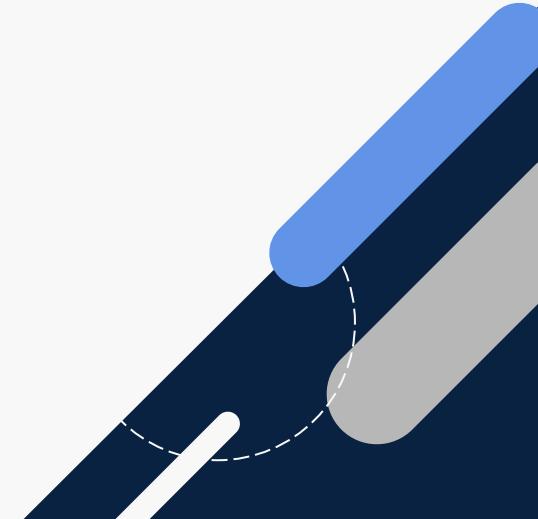
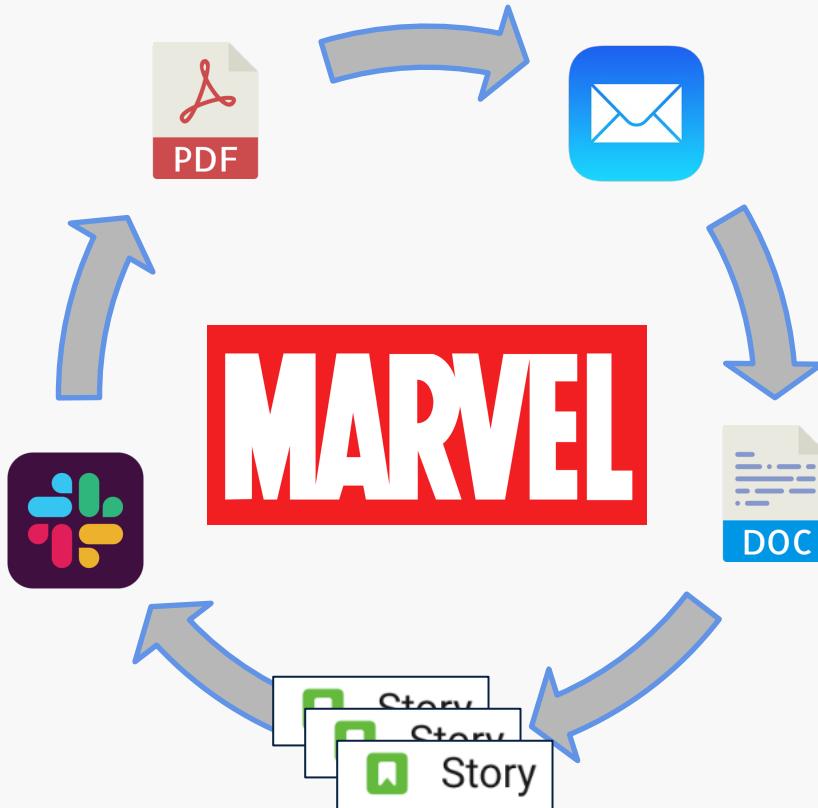
Which fields are required?



You got a feature request
Start all over again!



Let's quickly create, some ...



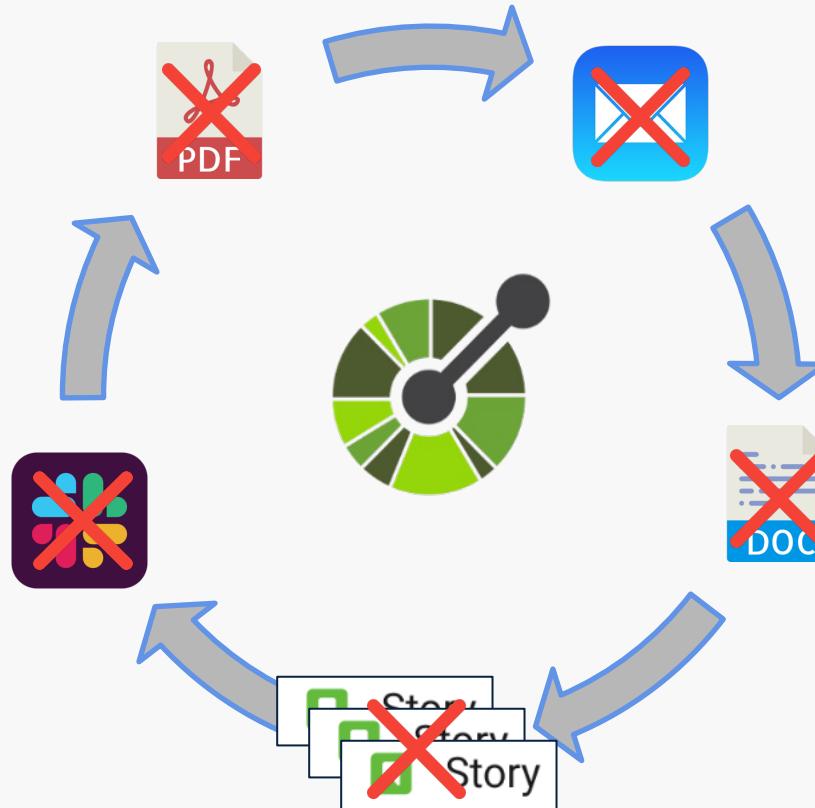
You are not alone API docs are in poor condition

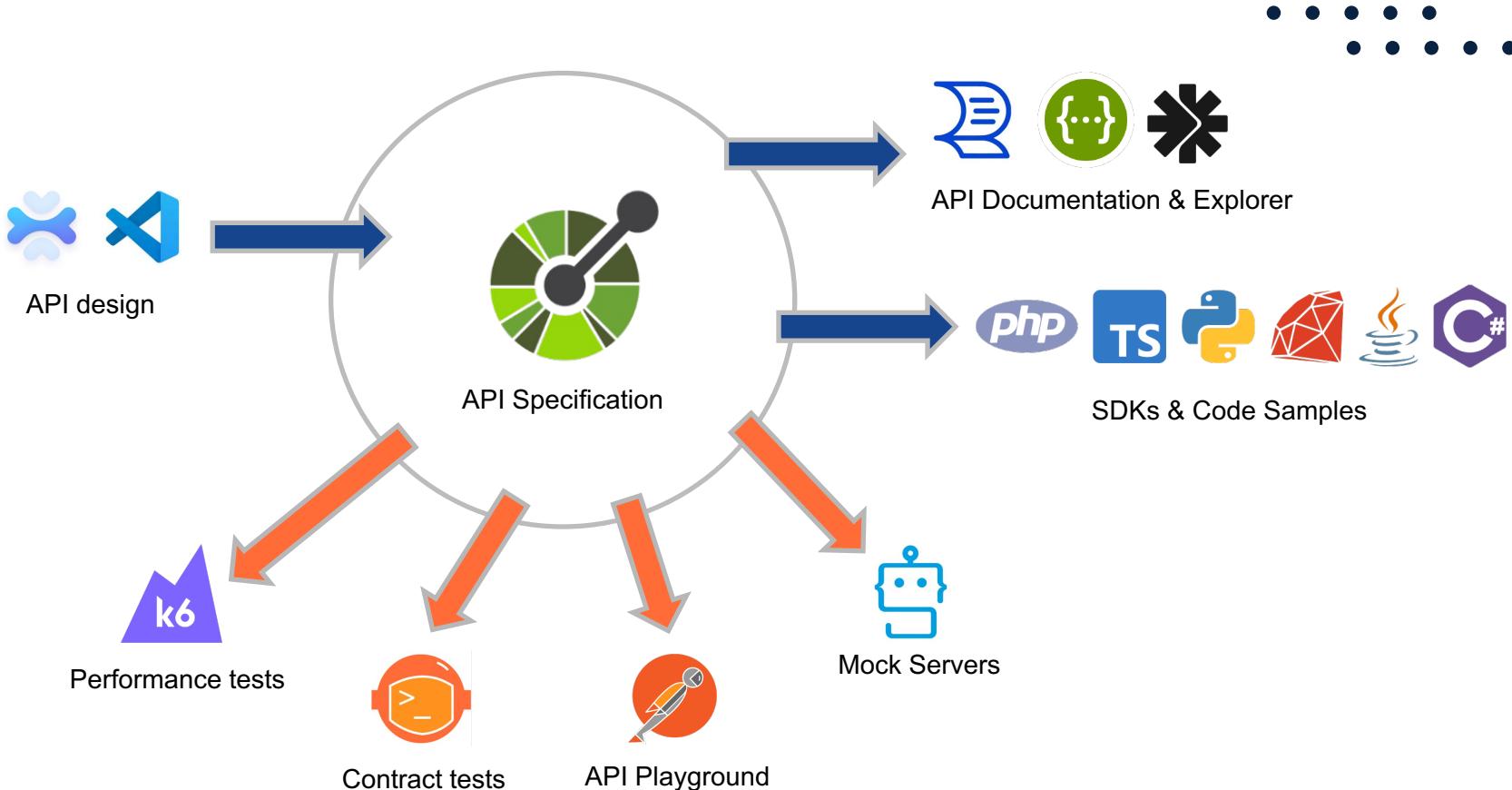


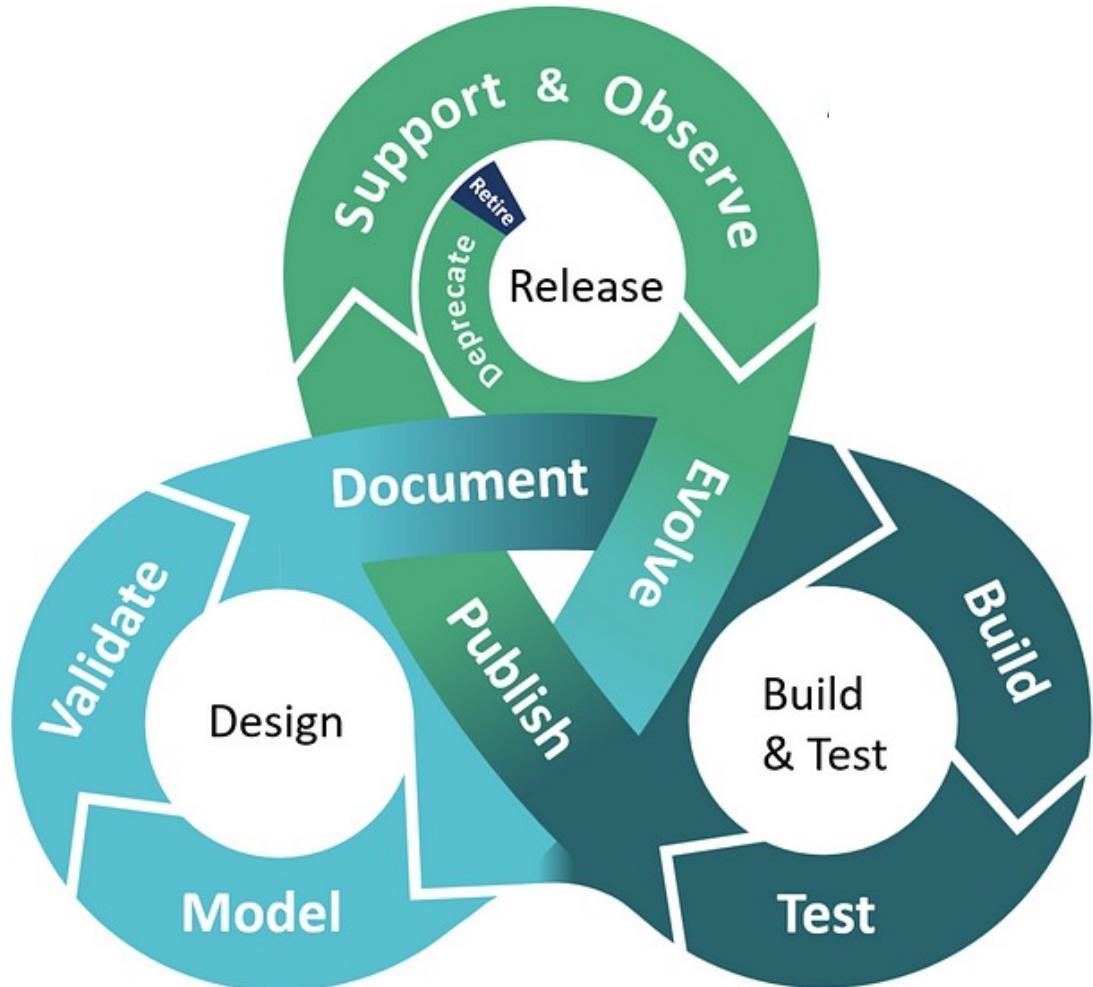
Let's fix this



Let's stop, doing one-off efforts







Single source of truth

API specification

- **Describes** general information about the API
- Available **paths** e.g. /resources
- Available **operations** on each path e.g. GET /resources/fid{}
- **input & output** for each operation
- Model **schemas**, describing the fields/properties
- **Security & Authentication**



WADL

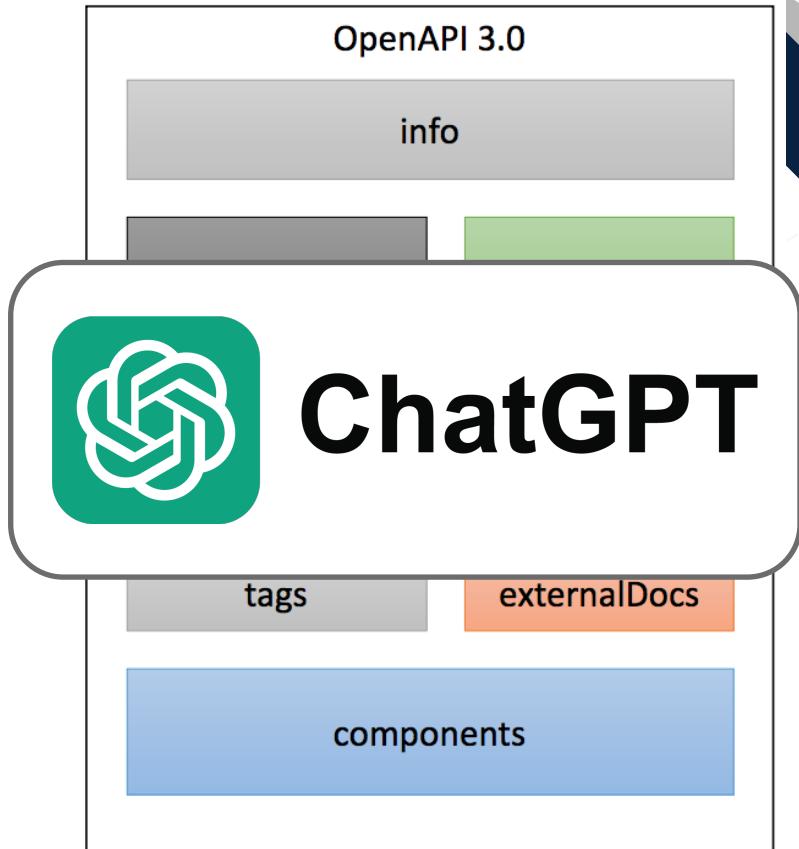
• • • • •



OPENAPI

- Worldwide Standard
- Formerly named Swagger (2.0) - 2011
- Current version
 - 3.0 - 2017
 - 3.1 - 2021
- Format: JSON or YAML
- REST API
- JSON Schema
- Independent of language/framework

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OPENAPI Ecosystem

- Open-source & Commercial tooling
- Supported by big brands



Microsoft

Google



IBM

...:::

The screenshot shows a web browser window with the title "OpenAPI.Tools - an Open Source Project". The address bar contains "openapi.tools". The main header is "OpenAPI.Tools" in a large, bold, white font. Below it is a sub-header: "Stay up to date with a community-driven list of high-quality, modern tools for OpenAPI. An open source project from APIs You Won't Hate." A message encourages users to submit missing tools via GitHub: "Is there a tool missing that you think should be on the list? Submit a Pull Request on GitHub [apisyouwont hate/openapi.tools](#)". A green button labeled "Submit an OpenAPI tool" is visible.

Tool Types

We've organised everything into categories so you can jump to the section you're interested in.

- [Auto Generators](#): Tools that will take your code and turn it into an OpenAPI Specification document
- [Converters](#): Various tools to convert to and from OpenAPI and other API description formats.
- [Data Validators](#): Check to see if API requests and responses are lining up with the API description.
- [Description Validators](#): Check your API description to see if it is valid OpenAPI.
- [Documentation](#): Render API Description as HTML (or maybe a PDF) so slightly less technical people can figure out how to work with the API.
- [DSL](#): Writing YAML by hand is no fun, and maybe you don't want a GUI, so use a Domain Specific Language to write OpenAPI in your language of choice.
- [Gateways](#): API Gateways and related tools that have integrated support for OpenAPI.
- [GUI Editors](#): Visual editors help you design APIs without needing to memorize the entire OpenAPI specification.
- [Learning](#): Whether you're trying to get documentation for a third party API based on traffic, or are trying to switch to design-first at an organization with no OpenAPI at all, learning can help you move your API spec forward and keep it up to date.
- [Miscellaneous](#): Anything else that does stuff with OpenAPI but hasn't quite got enough to warrant its own category.
- [Mock Servers](#): Fake servers that take description document as input, then route incoming HTTP requests to example responses or dynamically generates examples.
- [Monitoring](#): Monitoring tools let you know what is going on in your API.
- [Parsers](#): Loads and read OpenAPI descriptions, so you can work with them programmatically.
- [SDK Generators](#): Generate code to give to consumers, to help them avoid interacting at a HTTP level.
- [Security](#): By poking around your OpenAPI description, some tools can look out for attack vectors you might not have noticed.
- [Server Implementations](#): Easily create and implement resources and routes for your APIs.
- [Testing](#): Quickly execute API requests and validate responses on the fly through command line or GUI interfaces.

Repository search results + |

github.com/search?q=openapi&type=repositories

Filter by

- <> Code 7.7M
- Repositories 20.1k
- Issues 182k
- Pull requests 491k
- Discussions 5k
- Users 197
- More

Languages

- Java
- JavaScript
- TypeScript
- Python
- Go
- C#
- PHP
- HTML
- Kotlin
- Shell
- More languages...

Advanced

- + Owner
- + Size
- + Number of followers
- + Number of forks
- + Number of stars
- + Date created

20.1k results (324 ms)

Sort by: Best match | Save | ...

Single sign-on to see results in the apideck-io organization.

 **OAI/OpenAPI-Specification**
The OpenAPI Specification Repository
[rest](#) [openapi](#) [apis](#) [oas](#) [webapi](#)
JavaScript · ⭐ 27.7k · Updated 6 hours ago

 **OpenAPITools/openapi-generator**
OpenAPI Generator allows generation of API client libraries (SDK generation), server stubs, documentation and configuration automatically...
[api](#) [sdk](#) [rest](#) [generator](#) [rest-api](#)
Java · ⭐ 18.8k · Updated 1 hour ago

 **Redocly/redoc**
OpenAPI/Swagger-generated API Reference Documentation
[reactjs](#) [swagger](#) [api-documentation](#) [documentation-tool](#) [openapi](#)
TypeScript · ⭐ 21.8k · Updated 6 days ago

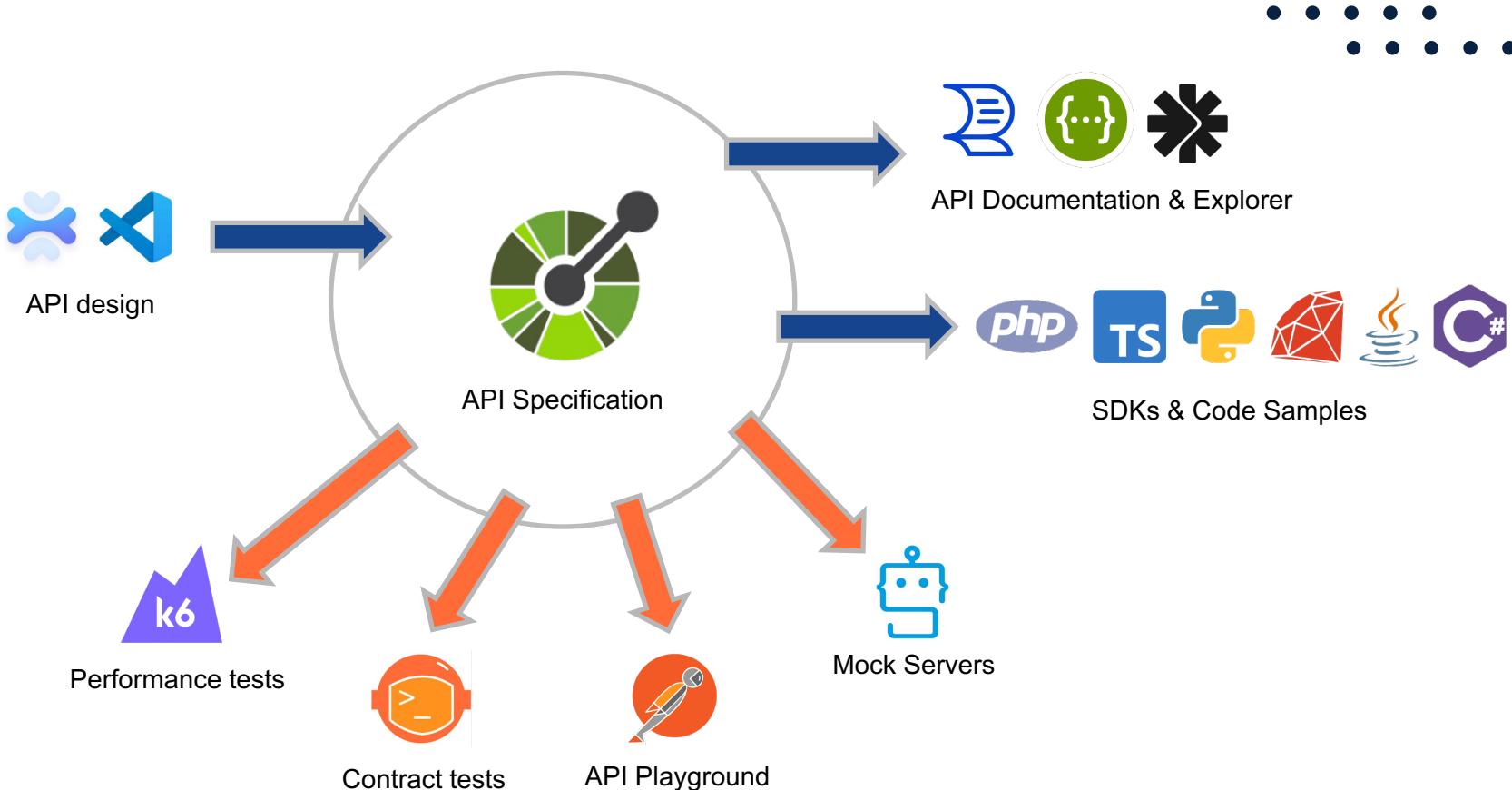
 **APIs-guru/openapi-directory**
Wikipedia for Web APIs. Directory of REST API definitions in OpenAPI 2.0/3.x format
[api](#) [aws](#) [azure](#) [rest-api](#) [opendata](#)
3.5k · Updated 17 hours ago

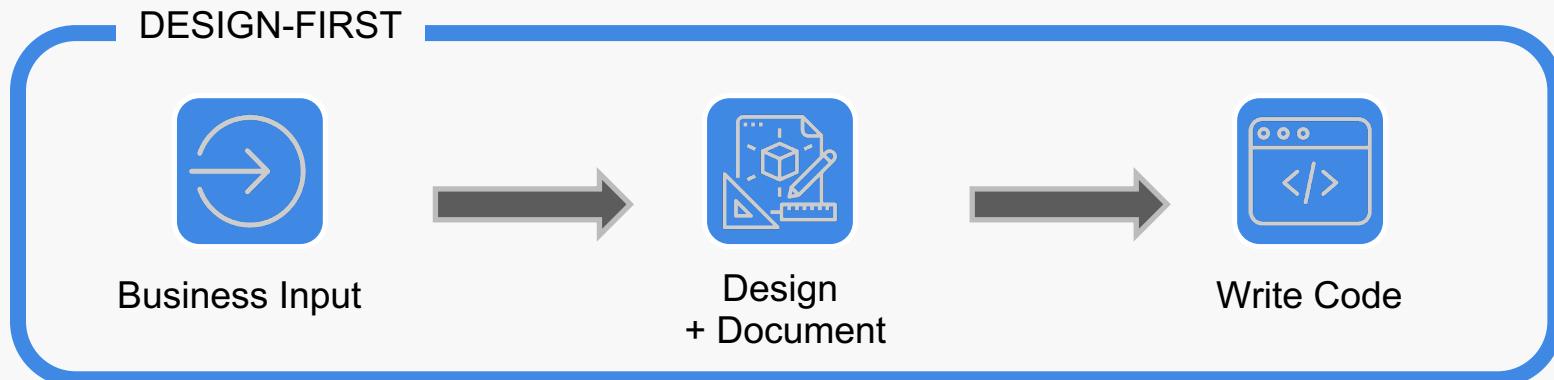
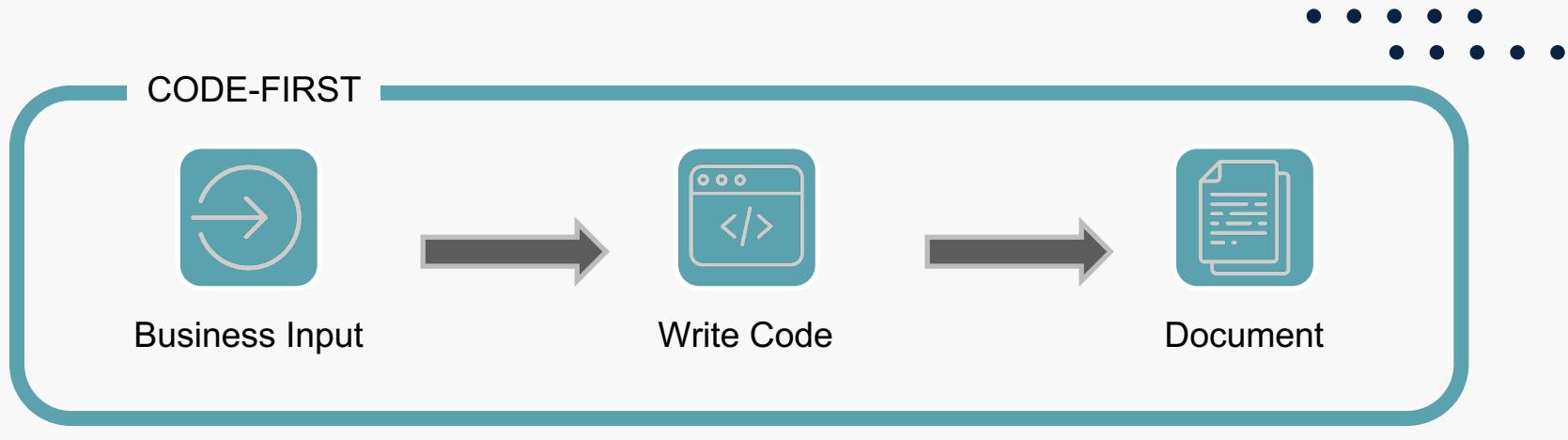
 **stripe/openapi**
An OpenAPI specification for the Stripe API.
343 · Updated 3 hours ago

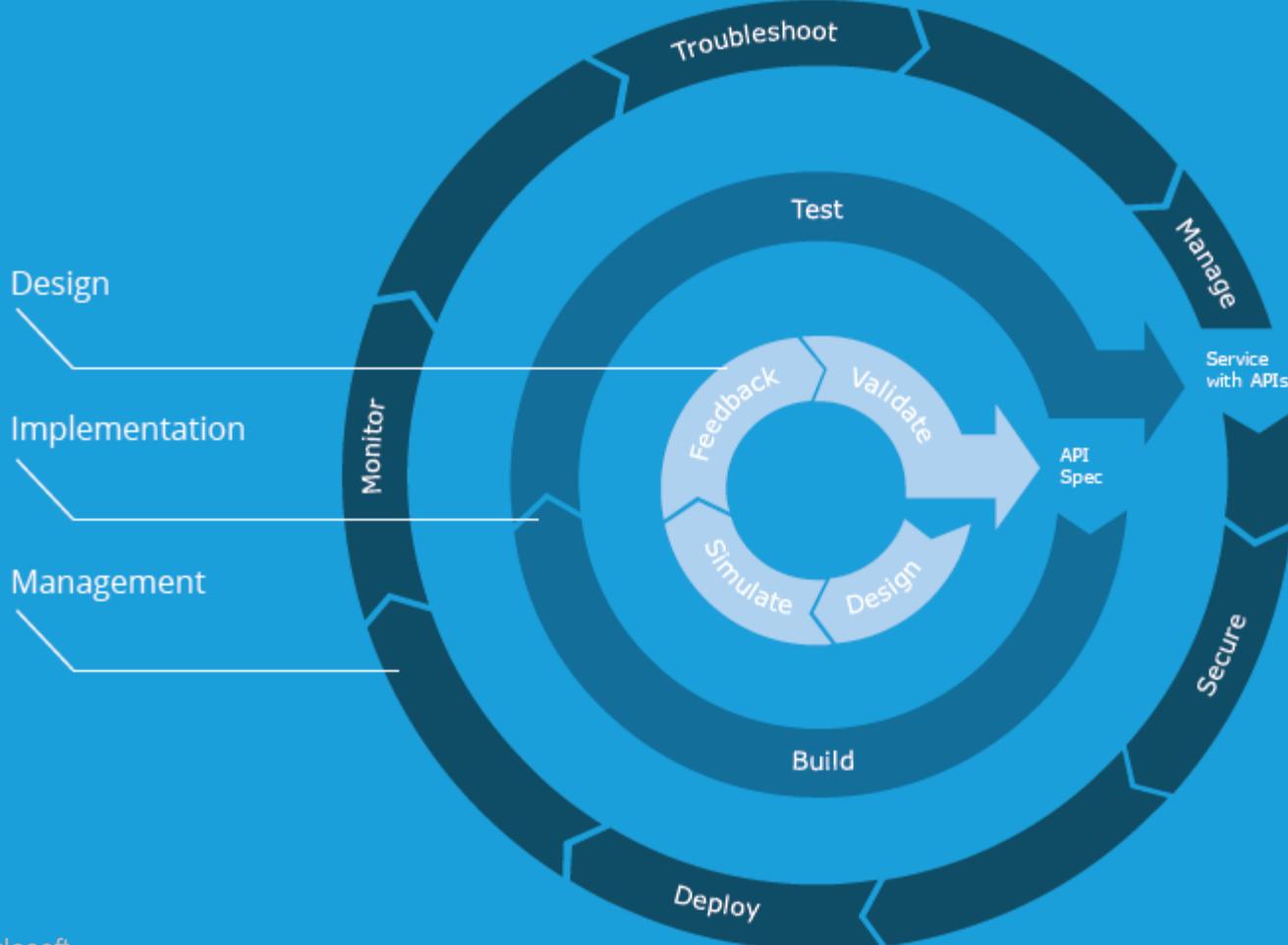
Sponsor open source projects you depend on
Contributors are working behind the scenes to make open source better for everyone—give them the help and recognition they deserve.
[Explore sponsorable projects →](#)

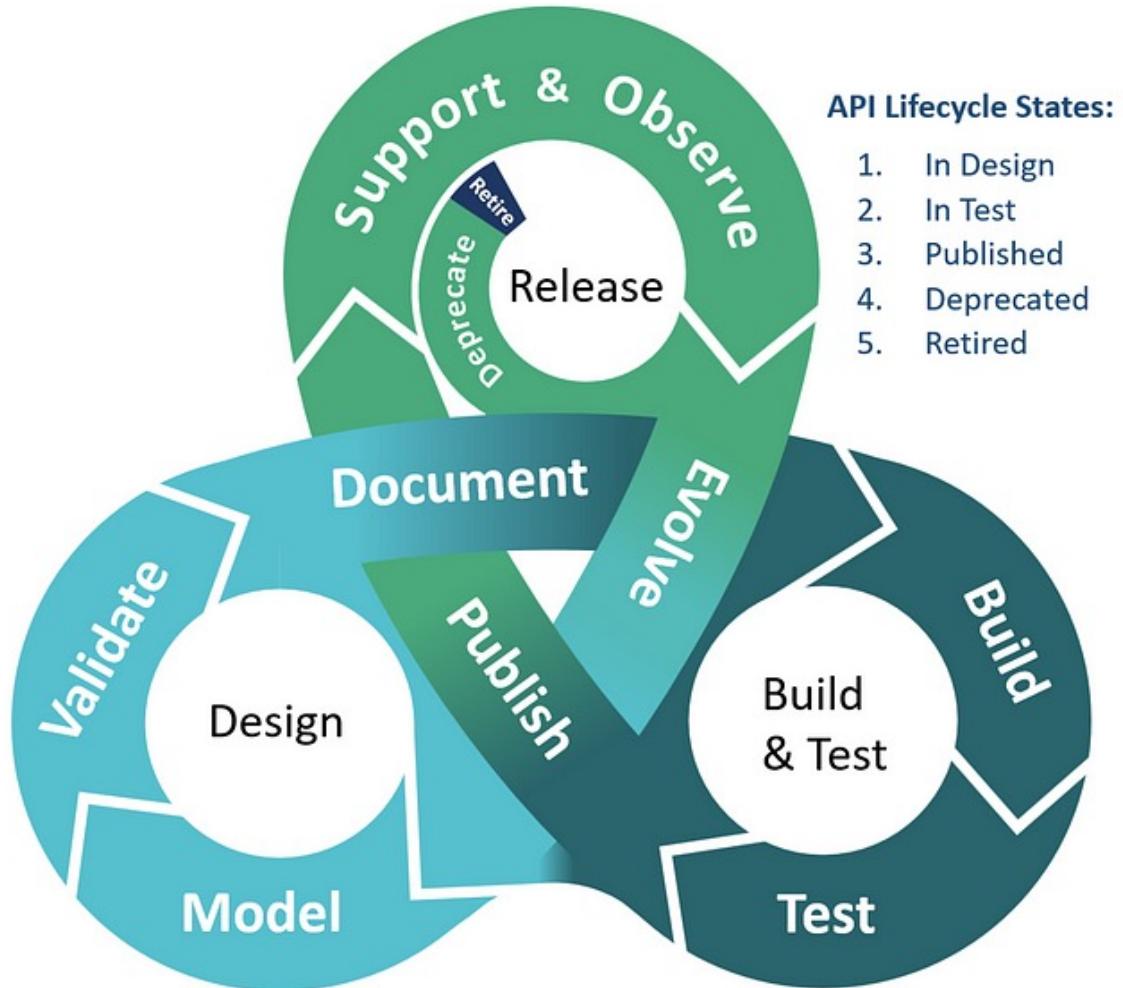
How can we improve search? [Give feedback](#)

ProTip! Press the [I](#) key to activate the search input again and adjust your query.



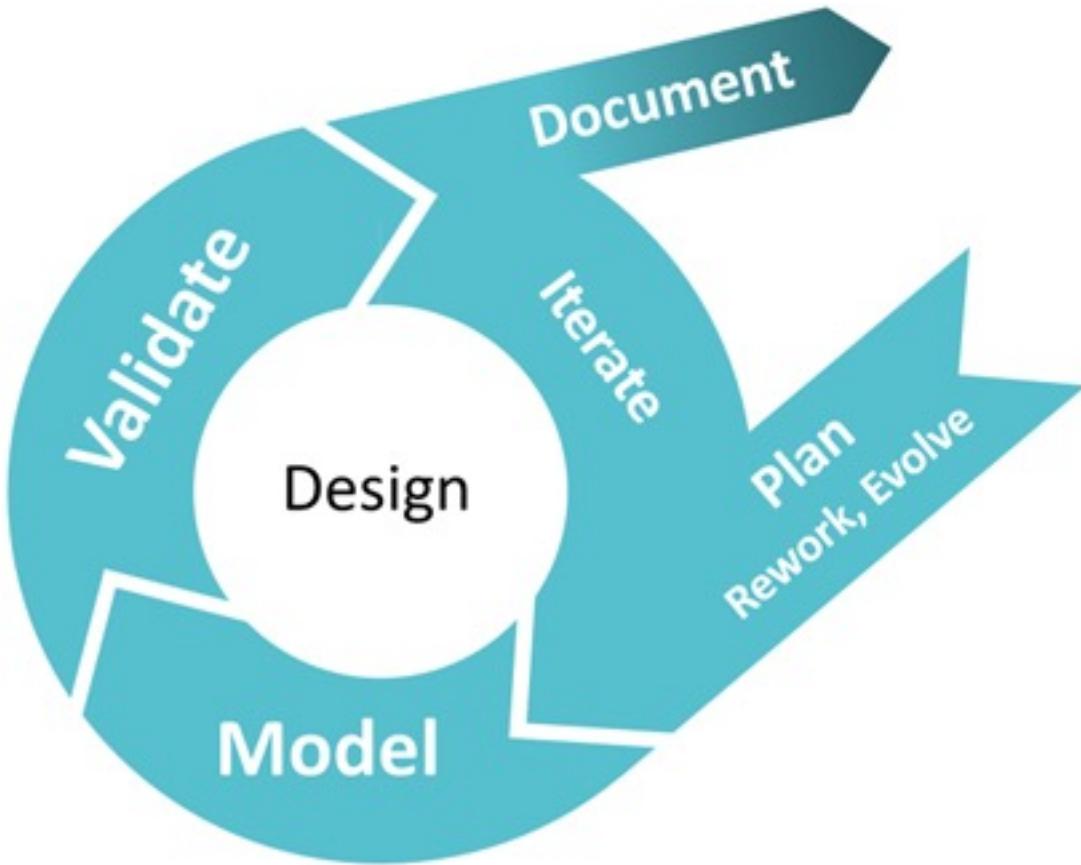






Spec-driven benefits

- Better **documentation**
 - Clearer **requirements**
 - Shorter **feedback** loops
 - More **consistent** API design
 - Easier Team **alignment**
 - Docs that **match** the API (and vice versa)
 - Much **lower** updating effort
 - Automatable outputs like:
 - **Documentation**
 - **Tests**
 - **Playgrounds**
 - **SDKs**
- • • • •



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Write OpenAPI



OpenAPI Spec

... : : : : : : :

JetBrains



The screenshot shows the IntelliJ IDEA IDE interface with the following details:

- Project Structure:** The left sidebar displays the project structure under "Project". Key files shown include `openapi.yml`, `LICENSE`, `README.md`, and various `openapi_*` files.
- Code Editor:** The main editor window shows the `openapi.yml` file content, which defines the Marvel Universe API version 1.0.0 with endpoints for characters and their creation.
- Documentation View:** To the right of the code editor, the Redocly generated API documentation is displayed. It includes:
 - Marvel Universe API (1.0.0):** A brief description: "API for retrieving, creating, updating, and deleting information about the Marvel Universe."
 - Characters:** A section titled "Manage all Marvel characters".
 - Get all Marvel characters:** An endpoint listed with a GET method and a "Try it" button. Description: "Retrieve a list of all Marvel characters." Response samples are provided.
 - Create a new Marvel character:** An endpoint listed with a POST method and a "Try it" button. Description: "Endpoint to create a new Marvel character." Response samples are provided.
- Bottom Status Bar:** Shows the PHP version (8.3), encoding (UTF-8), and schema (OpenAPI 3.0).

VS Code



<https://marketplace.visualstudio.com/items?itemName=42Crunch.vscode-openapi>

```
swagger: "2.0",
info: {
  description: "Pixi Photo Sharing API",
  version: "1.0.0",
  title: "Pixi App API",
  contact: {
    email: "nicole.becher@owasp.org"
  },
  license: {
    name: "Apache 2.0",
    url: "http://www.apache.org/licenses/LICENSE-2.0.html"
  }
},
tags: [
  {
    name: "admins",
    description: "Secured Admin-only calls"
  },
  {
    name: "users",
    description: "Operations available to regular, logged in users"
  },
  {
    name: "anyone",
    description: "Operations available to anyone"
  }
],
paths: {
  "/api/login": {
    "post": {
      ...
    }
  }
}
```

Apidog

<https://apidog.com/>



The screenshot shows the Apidog interface for a "Sample Project". On the left, there's a sidebar with icons for Home, APIs, Testing, Settings, Share, Schemas, Requests, and Trash. The main area displays the "Petstore" project. At the top, there are tabs for Overview, Edit (which is selected), Run, and Advanced Mock. Below this, a method selector shows "GET /pet/{petId}" with "Save", "Run", and "Delete" buttons. The "Params" section has tabs for Params (selected), Body, Cookies, Headers, Auth, Settings, Pre Processors, and Post Processors. Under "Query Params", there's a table with columns Name, Type, Example, and Description. A row for "Add a new param" is shown. Under "Path Params", there's a table with columns Name, Type, Example, and Description, showing "petId" as an integer. The "Responses" section includes tabs for successful operation(200), Invalid ID supplied(400), Pet not found(404), and Public Responses 0. It also includes fields for HTTP Status Code (200), Name (successful opera), Content Type (JSON), and a "Generate from JSON etc." button. At the bottom, there's a table with columns ROOT, Pet, Mock, Description, and a plus sign icon.

Stoplight Platform

<https://stoplight.io/studio/>



The screenshot shows the Stoplight Platform studio interface. The top navigation bar includes a user icon, a dropdown for 'studio-demo', a '+' button, 'Commit' and 'Todos' buttons, and 'Operation' and gear icons. The main area displays the 'Swagger Petstore' API documentation for the '/todos' endpoint.

Get Todo

Endpoint: `http://todos.stoplight.io /todos/{todoId}`

HTTP Methods: GET, POST, PUT, PATCH, DELETE, HEAD, OPTIONS, TRACE

Endpoint description... (Placeholder)

Request Parameters:

- + Security
- + Header
- + Query Param

Response Body Options:

- + Response
- 200 (Green dot)
- 404 (Yellow dot)
- 500 (Red dot)

Response description... (Placeholder)

Headers +

Left sidebar navigation:

- APIs
- Docs
- Files
- ...

Swagger Petstore sections:

- Paths
- Models
- Embedded Models

To-dos section:

- Paths
 - /todos/{todoId}
 - GET (Green)
 - PUT (Orange)
 - DELETE (Red)
 - /todos
 - GET (Green)
 - POST (Blue)
- Models

Common section:

- Models

Bottom status bar:

- my-sug
- remove tags
- 7 Issues

Scalar Editor

<https://docs.scalar.com/swagger-editor>



Scalar ▾ Register Login | Star · 5557

Editing Preview Pages Versions Customize Publish

Guide Reference

Q Search HK

Characters

Get all Marvel characters **GET**

Create a new Marvel character **POST**

Get a Marvel character **GET**

Update a Marvel character **PUT**

Delete a Marvel character **DEL**

Teams

Movies

Models

636 message:
637 description: Details about the validation error.
638 type: string
639 example:
640 error: Validation errors
641 details:
642 - field: first_name
643 message: Field 'first_name' must be of type 'String'.
644 BadRequestError:
645 type: object
646 properties:
647 error:
648 description: Description of the error.
649 type: string
650 example:
651 error: Page number cannot be greater than total number of pages
652 NotFoundError:
653 type: object
654 properties:
655 error:
656 description: Description of the error.
657 type: string
658 example:
659 error: Marvel character not found
660 securitySchemes:
661 bearerAuth:
662 type: http
663 scheme: bearer
664 security:
665 - bearerAuth: []
666 tags:
667 - name: Characters
668 description: Manage all Marvel characters.
669 - name: Teams
670 description: Manage all teams from the Marvel Universe.
671 x-exclude: true
672 - name: Movies
673 description: Manage all movies from the Marvel Universe.
674 x-exclude: true
675

Upload File Import URL

1.0.0 OAS 3.0.3

Marvel Universe API

[Download OpenAPI Spec](#)

API for retrieving, creating, updating, and deleting information about the Marvel Universe.

BASE URL: `http://localhost:3004/api`

Production

BEARER AUTHENTICATION (BEARERAUTH)

Token

CLIENT LIBRARIES

Shell Ruby Node.js PHP Python ... More

CURL Shell

Characters

Manage all Marvel characters.

ENDPOINTS

GET /characters
POST /characters
GET /characters/{id}
PUT /characters/{id}
DELETE /characters/{id}

* Dark Mode

API Fiddle

<https://www.api-fiddle.com>



api
fiddle

Preview OpenAPI ⚡ 📁 ...

GET /books

Fetches a comprehensive list of all books available in the bookstore. Each book object includes essential details such as the book's ID, name, and publication date.

This endpoint is paginated using the 'page' syntax.

Parameters

- **title** - query
Filter the list of books according to the title.
Example: ?title=string
Type:
string

- **authorId** - query
Filter the list of books according to the authorId
Example: ?authorId=1
Type:
integer

Responses

200 - OK array
A JSON array containing book objects.
Type:

400 - Bad Request object
The server could not understand the request due to invalid syntax. The client should modify the request and try again.

API Models

GET /books

Fetches a comprehensive list of all books available in the bookstore. Each book object includes essential details such as the book's ID, name, and publication date.

This endpoint is paginated using the 'page' syntax.

Query parameters

title string or null
Filter the list of books according to the title.

authorId integer or null
Filter the list of books according to the authorId

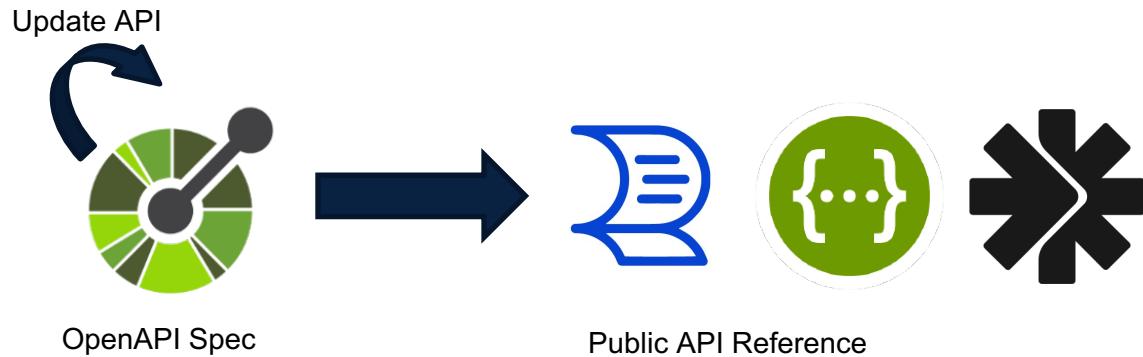
Responses

200 - Ok array
A JSON array containing book objects.

400 - Bad Request object
The server could not understand the request due to invalid syntax. The client should modify the request and try again.

Share ⚡ Undo + Add operation ⚡ ✎ × ⚡

API Reference



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Redoc(ly)



<https://github.com/Redocly/redoc>

Get all audience configurations

Returns a list of audience configurations. The configurations are returned sorted by name.

AUTHORIZATIONS: X-ApiKey

QUERY PARAMETERS

- \$top: integer <int32> Default: 100 The number of records to return, used for pagination.
- \$skip: integer <int32> Default: 0 The number of items to skip over before returning items
- \$count: boolean Default: false Request a count of matching items included with the returned results

HEADER PARAMETERS

- X-ApiKey: string Default: {{username}}:{{password}} Example: {{username}}:{{password}} API key to authorize requests.

Responses

GET /lists/audiences

200 Successful response

RESPONSE SCHEMA: application/json

GET /lists/audiences

Response samples

200 422

Content type application/json

{ "value": [{ "id": "12345-6789-01234-567-890", "tenant": "12345-6789-3333-1111-2222", "name": "Master Contact list", "apiName": "master_contact", "systemFields": { "mobile": "MASTER.MOBILE", "language": "MASTER.LANGUAGE" }, "type": "Userlist", "requireSegment": true, "created": "2020-01-31T10:31:21.286Z", "brands": [{ ... }] }, "@count": 68, "@nextLink": "https://api.selligent.com/v2/lists/audiences?&count=68&skip=60" }]

Swagger UI



<https://swagger.io/tools/swagger-ui/>

A Audience lists is used to define the target of a message or journey and personalize the message with data from the list. An audience list contains in general the global contacts details, demographic information, language preferences etc.

Lists - Audience

The Audience API allows you to create, delete, and update your audience lists. You can retrieve specific audience configurations as well as a list of all your audience configurations.

<code>GET</code>	<code>/lists/audiences</code>	Get all audience configurations	
<code>POST</code>	<code>/lists/audiences</code>	Create a audience configuration	
<code>GET</code>	<code>/lists/audiences/lookup</code>	Lookup a audience configuration	
<code>GET</code>	<code>/lists/audiences/{audienceId}</code>	Get a audience configuration details	
<code>PUT</code>	<code>/lists/audiences/{audienceId}</code>	Update a audience configuration	
<code>DELETE</code>	<code>/lists/audiences/{audienceId}</code>	Destroy a audience configuration	
<code>POST</code>	<code>/lists/audiences/{audienceId}/archive</code>	Archive a audience configuration	

Lists - Audience - Fields

All endpoints related to the audience fields

<code>GET</code>	<code>/lists/audiences/{audienceId}/fields</code>	Get all fields/schema for an audience.	
<code>PUT</code>	<code>/lists/audiences/{audienceId}/fields</code>	Add or update a collection of fields to an audience	
<code>GET</code>	<code>/lists/audiences/{audienceId}/fields/{fieldId}</code>	Get details for a specific field	
<code>PUT</code>	<code>/lists/audiences/{audienceId}/fields/{fieldId}</code>	Update the field for a specific list	
<code>DELETE</code>	<code>/lists/audiences/{audienceId}/fields/{fieldId}</code>	Delete a specific field	

Scalar



<https://github.com/scalar/scalar>

 ⌘K

CHARACTERS

Get all Marvel characters GET

Create a new Marvel character POST

Get a Marvel character by ID GET

Update a Marvel character by ID PUT

Delete a Marvel character by ID DELETE

MODELS

Create a new Marvel character

Endpoint to create a new Marvel character.

Body

`id` integer · int64 · read-only · nullable

ID of the Marvel character

`first_name` string

The first name of the Marvel character.

`last_name` string

The last name of the Marvel character.

`name` REQUIRED string

The full name of the Marvel character.

`description` string

A brief description of the Marvel character.

`powers` array string[]

List of superpowers possessed by the Marvel character.

Responses

201

Successfully created

422

Bad Request

POST /characters

Shell cURL ↗

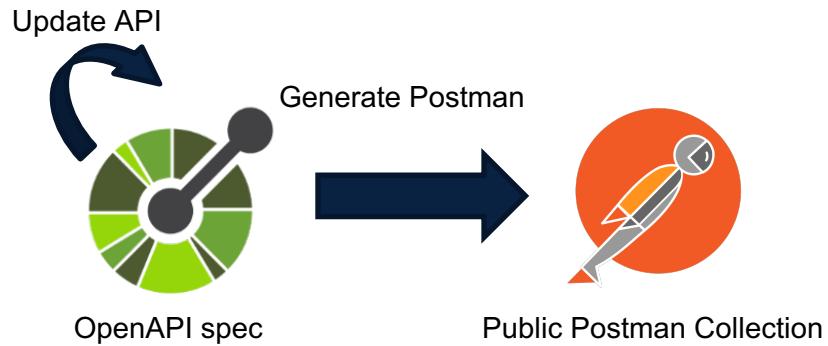
```
1 <?php
2
3 $client = new \GuzzleHttp\Client();
4
5 $response = $client->request('POST', 'http://localhost:3004/
6 'body' => [
7 'first_name' => 'Rocket',
8 'last_name' => 'Raccoon',
9 'name' => 'Rocket Raccoon',
10 'description' => 'A genetically modified raccoon with a knac
11 'powers' => [
12 'Engineering genius',
13 'Expert marksman',
14 'Strategic thinking'
```

TEST REQUEST ↗

201 422

```
{
  "id": 7,
  "first_name": "Tony",
  "last_name": "Stark",
  "name": "Iron Man",
  "description": "Genius, billionaire, playboy, philanthropist",
  "powers": [
    "Superhuman strength",
    "Powered armor suit",
    "Genius-level intellect"
```

Generate Postman



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Postman



<https://www.postman.com/>

The screenshot shows the Postman application interface. On the left is a sidebar with various sections: Home, Workspaces, Reports, Explore, Notion's Public Workspace, New, Import, Overview, Collection, Environment, APIs, Mock Servers, Monitors, Flows, and History. The main area displays a request titled "Notion API / Databases / Retrieve a database". The request method is GET, with the URL <https://api.notion.com/v1/databases/:id>. The "Params" tab is selected, showing a "Query params" table with one row: "Key" (Value) and "Description" (Description). The "Path variables" table has one row: "id" (Value {{DATABASE_ID}}) and "Description" (Required. Enter database id.). Below the tables, the "Body" section is expanded, showing a JSON response with a single object containing a "Publisher" field. The "Pretty" tab is selected, displaying the JSON in a readable format.

Notion API / Databases / Retrieve a database

GET https://api.notion.com/v1/databases/:id

Params Auth Headers(10) Body Pre-req. Tests Settings Cookies

Query params

KEY	VALUE	DESCRIPTION
Key	Value	Description

Path variables

KEY	VALUE	DESCRIPTION
id	{{DATABASE_ID}}	Required. Enter database id.

Body

Pretty Raw Preview Visualize JSON

```
1 {  
2   "Publisher": {  
3     "id": "%3E%24Pb",  
4     "name": "Publisher",  
5     "type": "select",  
6     "select": {  
7       "options": [  
8         {  
9           "id": "c5ee409a-f307-4176-99ee-6e424fa89afa",  
10          "name": "NYT",  
11          "color": "default"  
12        }  
13      }  
14    }  
15  }  
16 }
```

Documentation

Retrieves a database object using the ID specified in the request path.

Authorization Bearer Token

This request is using an authorization helper from collection Notion API

Request Header

Notion-Version 22-02-22

Path Variables

id {{DATABASE_ID}}

Required. Enter database id.

View complete collection documentation →

Find and Replace Console Cookies Capture Requests Bootcamp Runner Trash

Bruno



<https://www.usebruno.com>

The screenshot shows the Bruno application interface. On the left, there's a sidebar with a logo, a 'Collections' button, a search bar, and a tree view for 'sample-collection' containing 'Create', 'Update', 'User Not Found', and 'Users'. The main area has a title 'sample-collection' and a tab for 'GET Users'. Below this, a request is being made to 'https://reqres.in/api/users?page=2'. The 'Params' tab is selected, showing a table with a single row for 'page' set to '2'. The 'Response' tab displays the JSON response from the API. The response includes meta-information like page, per_page, total, and total_pages, followed by two user objects. The user objects contain id, email, first_name, last_name, and avatar URLs. The status bar at the bottom indicates v0.6.0.

Key	Value	
page	2	<input checked="" type="checkbox"/> Delete

```
1▼ {
2  "page": 2,
3  "per_page": 6,
4  "total": 12,
5  "total_pages": 2,
6  ▼ "data": [
7    ▼ {
8      "id": 7,
9      "email": "michael.lawson@reqres.in",
10     "first_name": "Michael",
11     "last_name": "Lawson",
12     "avatar": "https://reqres.in/img/faces/7-
image.jpg"
13    },
14    ▼ {
15      "id": 8,
16      "email": "lindsay.ferguson@reqres.in",
17      "first_name": "Lindsay",
18      "last_name": "Ferguson",
19      "avatar": "https://reqres.in/img/faces/8-
```

.HTTP Files

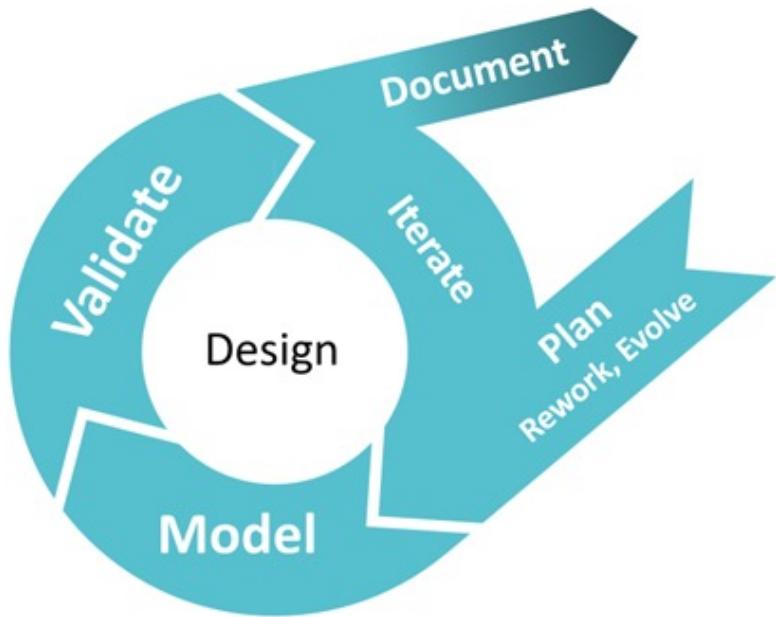


JetBrains / VS Code

The screenshot shows the Postman API collection 'marvel.postman.http' within a JetBrains IDE interface. The collection contains two main requests:

- GET {{baseUrl}}/characters?**:
 - Headers:
 - Authorization: Bearer {{bearerToken}}
 - Accept: application/json
 - Responses:
 - ./marvel.postman_responses/successful_operation.200.json
 - // {{baseUrl}}/characters?page=1&limit=10
 - ./marvel.postman_responses/bad_request.400.json
 - // {{baseUrl}}/characters?page=1&limit=10
- POST {{baseUrl}}/characters**:
 - Headers:
 - Authorization: Bearer {{bearerToken}}
 - Content-Type: application/json
 - Accept: application/json
 - Body:

```
{"name": "Rocket Raccoon"}
```
 - Responses:
 - ./marvel.postman_responses/successfully_created.201.json
 - // {{baseUrl}}/characters
 - ./marvel.postman_responses/bad_request.422.json
 - // {{baseUrl}}/characters



• • • • •

Mock API

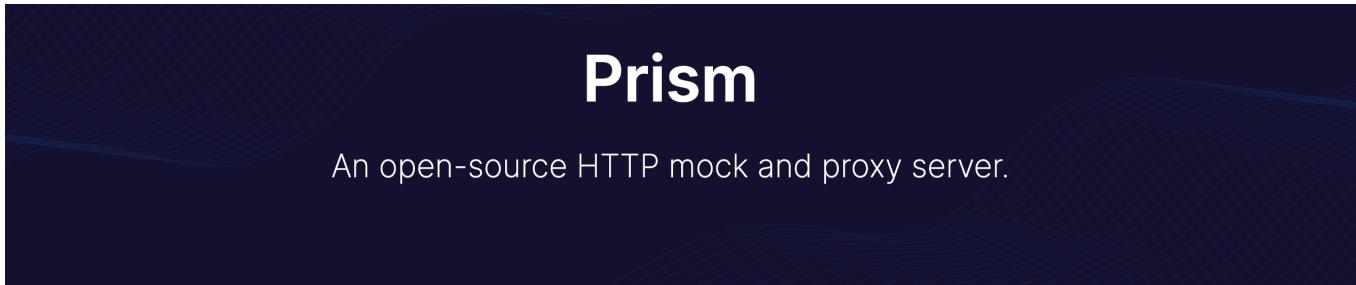


• • • • •

Prism



<https://github.com/stolightio/prism>



Accelerate API development with realistic mock servers, powered by OpenAPI documents.

[Start Mocking for Free](#)

[View on GitHub](#)

[View Docs](#)



Quick Iterations



Develop in Parallel



Dynamic Examples



Validation



Mocking Callbacks

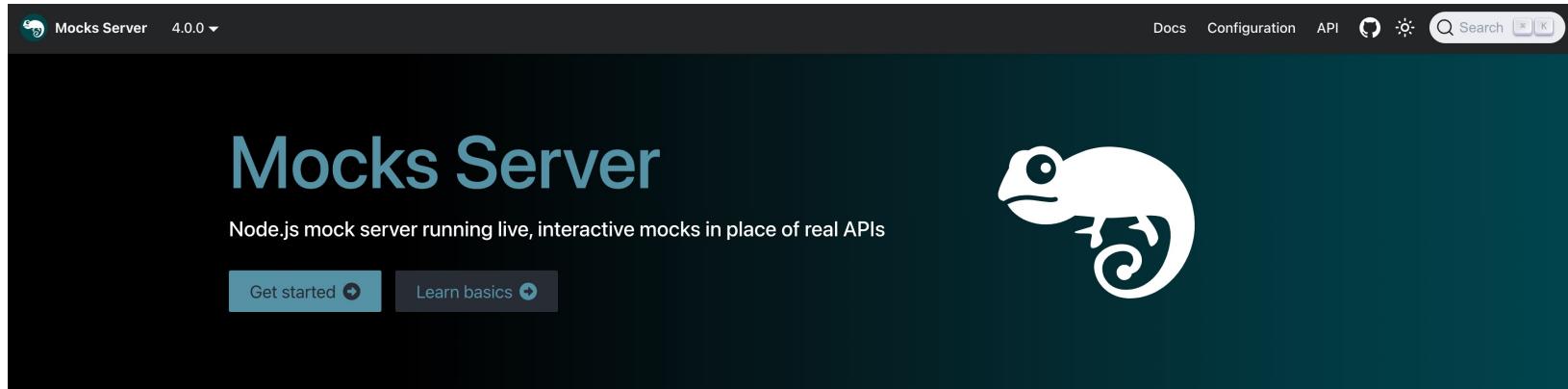


Proxy

Mocks Server



<https://www.mocks-server.org/>



The screenshot shows the landing page of the Mocks Server website. At the top, there's a navigation bar with the logo, version 4.0.0, Docs, Configuration, API, and a search bar. The main title "Mocks Server" is prominently displayed in large white text. Below it, a subtitle reads "Node.js mock server running live, interactive mocks in place of real APIs". There are two buttons: "Get started" and "Learn basics". To the right of the title is a large white chameleon logo. The background is dark teal.



Quick and simple

Install it using NPM or Docker. Add files defining responses for the API routes. Start it with a single command. Change responses using settings, even while it is running.

[Learn more →](#)



Flexible

Define routes using `YAML`, `JSON`, `JavaScript` or `TypeScript`. Configure Babel at your convenience for reading files. Or define routes programmatically. HTTP and HTTPS protocols are supported.

[Learn more →](#)



Extensible

Use Express middlewares in routes. Define custom handlers for the routes. Add custom Express routers. Or create a plugin and have full access to the core JavaScript API.

[Learn more →](#)



Easy to control

Control it using the interactive CLI, or use the administration REST API, or start it using JavaScript and control everything. Other integrations are available, such as Cypress commands.

[Learn more →](#)

Microcks



<https://microcks.io/>

SERVICES & APIs > Marvel API - 1.0

Marvel API - 1.0

Created 2 minutes ago, last update on Aug 30, 2024, 4:25:34 PM

Edit Labels

PROPERTIES

Service Type: DIRECT REST

Contracts: Swagger 2.0 spec ⓘ, OpenAPI 3.0 spec ⓘ

Statistics: Mocks invocations ⓘ

Tests

Conformance index: A B C D E (0.0%) →

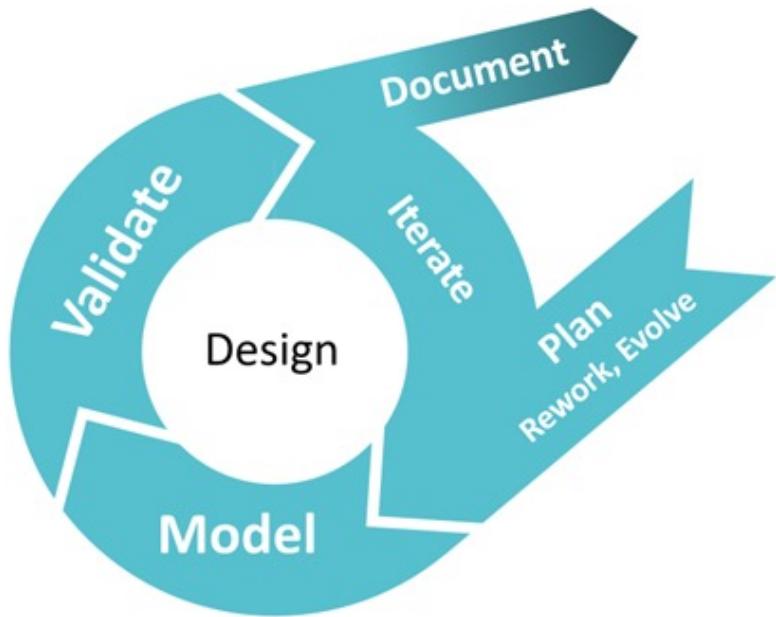
Conformance score: 0.0% →

Learn More ⓘ

You may have already used this Direct API to record resources. Check what's in the repository ⓘ.

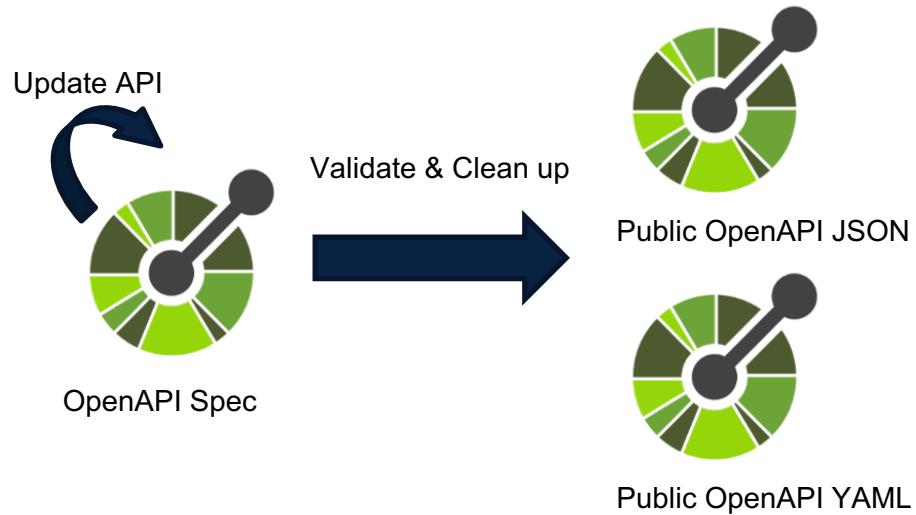
OPERATIONS

Method	Path	Dispatcher	Sample(s)
GET	/Movies	GET	0 sample(s)
POST	/Movies	POST	0 sample(s)
DELETE	/Movies/:id	DELETE with URI_PARTS dispatcher	0 sample(s)
GET	/Movies/:id	GET with URI_PARTS dispatcher	0 sample(s)
PUT	/Movies/:id	PUT with URI_PARTS dispatcher	0 sample(s)



• • • • •

Validate & Publish OpenAPI



• • • • •

Spectral



<https://stoplight.io/open-source/spectral>

Spectral

An open-source API style guide enforcer and linter.

Why write API Style Guides as lengthy manifestos when you could automate them? Make sure APIs are secure, consistent, useful. Spectral is open-source, but is also baked into Stoplight, with extensions for VS Code and other integration options, giving you real-time feedback wherever you design APIs.

[Start Linting for Free](#)

[View on GitHub](#)

[View Docs](#)



Style Guides



Improve API Quality



CLI & JavaScript



Stoplight Platform



Style Guide Projects

Redocly CLI



<https://redocly.com/redocly-cli/>

The screenshot shows the Redocly CLI interface. At the top, there's a navigation bar with the Redocly logo, 'Products', 'Docs', 'Pricing', 'Enterprise', 'About', 'Login', and 'Sign Up' buttons. Below the navigation bar, the main content area displays a project named 'main#1'. It shows the date 'Thu Aug 19 2021', a status badge indicating it's 'published', and a note that it was 'Built in: 3s'. There's a 'RESTART' button and a 'GET SNAPSHOT' button. Below these, four green circular icons with checkmarks represent the steps: 'Provision', 'Validate and Build', 'Assets upload', and 'Add to registry'. A green banner at the bottom says 'Woohoo! Your OpenAPI definition is valid.' with a small emoji. In the bottom section, titled 'Results', it says 'No errors or warnings found.' and has a 'SHOW TERMINAL' button.

Validate a multi-file definition without having to bundle it

Behemoth YAML gets old pretty quick. An unbundled definition is far easier to edit and check for duplicates. Our Redocly CLI lets you quickly validate and lint a multi-file definition before bundling it into one file for distribution.

Vacuum



<https://github.com/daveshanley/vacuum>



vacuum - The world's fastest OpenAPI & Swagger linter.

 Build  passing | [go report](#)  A+ | [chat](#) 24 online | [godoc](#) [reference](#) | [github downloads](#) 1.2M | [npm downloads](#) 28k/month

docker pulls 37k |  mentioned in [awesome](#)

An ultra-super-fast, lightweight OpenAPI linter and quality checking tool, written in golang and inspired by [Spectral](#).

OpenAPI-Format



<https://www.npmjs.com/package/openapi-format>

npm Search [Sign Up](#)

openapi-format
1.16.0 • Public • Published 15 days ago

[Readme](#) [Code](#) Beta [4 Dependencies](#) [4 Dependents](#) [48 Versions](#)

 **OPENAPI-FORMAT**

npm v1.16.0 downloads 21k/week

openapi-format

Format an OpenAPI document by ordering, formatting and filtering fields.

The `openapi-format` CLI can load an OpenAPI file, sorts the OpenAPI fields by ordering them in a hierarchical order, format the casing of the fields and can output the file with clean indenting, to either JSON or YAML.

Next to the ordering & formatting, the CLI provides additional options to filter fields & parts of the OpenAPI document based on flags, tags, methods, operationID's and even unused components.

Install
`> npm i openapi-format`

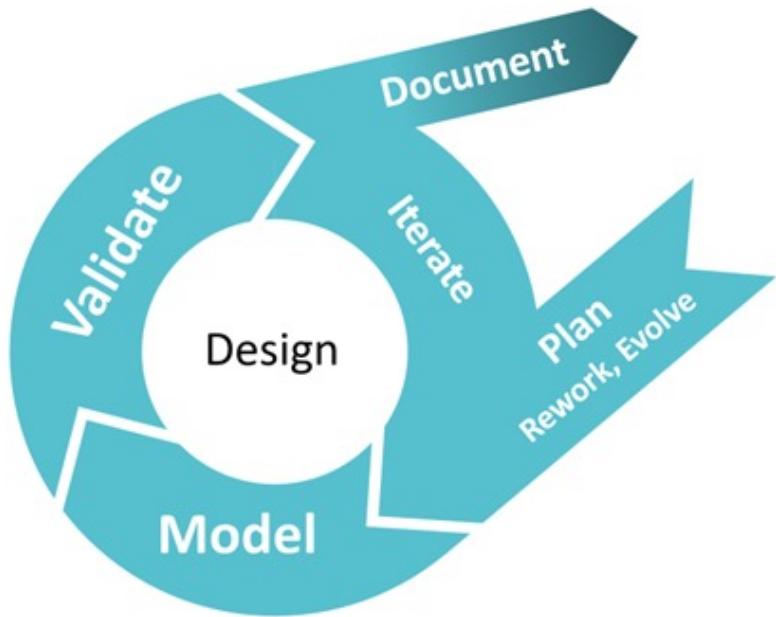
Repository
[github.com/thim81/openapi-format](#)

Homepage
[github.com/thim81/openapi-format#re...](#)

Weekly Downloads
20,761 

Version	License
1.16.0	MIT

Unpacked Size	Total Files
127 kB	16



• • • • •

Publish Docs

Update API



OpenAPI Spec

Publish



Public API References



Public Postman Collection



Public OpenAPI JSON/YAML

• • • • •



Redocly



<https://redocly.com>

The screenshot shows the Redocly homepage with a dark blue background. At the top left is the Redocly logo (a yellow and green icon). To its right are navigation links: Products, Docs, Pricing, Enterprise, and About. On the far right are Login and Sign Up buttons. In the center-left, there's a large white text area with the headline "Make API docs your superpower". Below it is a subtext: "Beautiful API documentation loved by teams and API consumers. Brought to you by the open-source extraordinaires behind Redoc." A prominent orange "Sign Up" button is located below the subtext. To the right of the text area is a large, stylized graphic of three overlapping purple cards. Each card features a white icon: a gear, a checkmark, and a shield. Behind the cards is a blurred image of a computer screen displaying API documentation with a "Try it" button. At the bottom left, there's a statement: "Redocly powers 10,000+ companies that power the API economy". Below this statement are logos for GitHub, Adobe, Hewlett Packard Enterprise, Magento, T-Mobile, TripAdvisor, Checkr, and Trend Micro.

Redocly

Products Docs Pricing Enterprise About

Login Sign Up

Make API docs your superpower

Beautiful API documentation loved by teams and API consumers.
Brought to you by the open-source extraordinaires behind Redoc.

Sign Up

Redocly powers 10,000+ companies that power the API economy

GitHub Adobe Hewlett Packard Enterprise Magento

T-Mobile TripAdvisor Checkr TREND MICRO

Readme.com



<https://readme.com/>

The screenshot shows the Readme.com interface for the Hoot API. The top navigation bar includes links for 'HOOT' (with a logo), 'Hoot Blog', 'We're Hiring!', 'v2.0', 'Product Guide', 'Recipes', 'API Reference' (which is active), 'Changelog', and 'Community Discussions'. A search bar and a 'Log In' button are also present.

The main content area has a dark background. On the left, there's a sidebar with sections like 'API ENDPOINTS' (Intro to the Hoot API, Authentication, Limiting API Results, API Registry, API Specification, Apply to Hoot, Categories, Changelog, Custom Pages, Docs, Errors, Projects, Version) and 'DEVELOPER METRICS API' (Metrics API Introduction, API Logs, Send an API Log to Hoot, Page Views, Search, Page Quality). The 'Send an API Log to Hoot' section is currently selected, showing a 'POST' button and the URL <https://metrics.hoot.io>.

The central part of the page displays the 'Send an API Log to Hoot' guide, which instructs users to send an API log to Hoot for developer usage metrics. It includes a 'YOUR REQUEST HISTORY' section showing '0 Calls' over '7 Days', a 'BODY PARAMS' section with an 'ADD OBJECT' button, and a 'RESPONSE' section showing a green '202' status with the message 'Finished saving (not necessarily successful)'. Below this is a note that it was 'Updated over 1 year ago'.

To the right, there are sections for 'LANGUAGE' (Shell, Node, Ruby, PHP, Python, etc.), 'AUTHENTICATION' (Basic, username:password, BASIC, BASE64), and a 'CURL' section with examples and a 'Try It!' button. A 'RESPONSE' section at the bottom says 'Click Try It! to start a request and see the response here!'. At the bottom of the page, there's a feedback section asking 'Did this page help you?' with 'Yes' and 'No' buttons, and a 'Powered by readme' footer.



<https://squidfunk.github.io/mkdocs-material>

The screenshot shows the GitHub repository page for 'squidfunk/mkdocs-material'. The header includes the repository name, a star icon (9.5.3), a fork icon (16.8k), and a file icon (3.2k). Below the header is a navigation bar with links to Home, Getting started, Setup, Plugins, Reference, Insiders, and Blog.

Getting started

Installation

Creating your site

Publishing your site

Customization

Conventions

Browser support

Enterprise feedback

Philosophy

Alternatives

License

Changelog

How to upgrade

Contributing

Reporting a bug

Reporting a docs issue

Requesting a change

Adding translations

Making a pull request

Asking a question

Getting started



Table of contents

Installation

with pip

with docker

with git

Material for MkDocs is a powerful documentation framework on top of [MkDocs](#), a static site generator for project documentation.¹ If you're familiar with Python, you can install Material for MkDocs with [pip](#), the Python package manager. If not, we recommend using [docker](#).

Installation

with pip recommended

Material for MkDocs is published as a [Python package](#) and can be installed with [pip](#), ideally by using a [virtual environment](#). Open up a terminal and install Material for MkDocs with:

Latest

9.x

```
pip install mkdocs-material
```



This will automatically install compatible versions of all dependencies: [MkDocs](#), [Markdown](#), [Pygments](#) and [Python Markdown Extensions](#). Material for MkDocs always strives to support the latest versions, so there's no need to install those packages separately.

Stoplight



<https://stoplight.io>

Stoplight

Example Project

Connect to Edit

master

APIS

- Test
 - Get User Info by User ID (GET)
 - Update User Information (PATCH)
 - Create New User (POST)
- Schemas
- Swagger2
 - Get User Info by User ID (GET)
 - Update User Information (PATCH)
 - Create New User (POST)
- Schemas

SCHEMAS

ProjectModel

Invite to Workspace

user@stoplight.io

powered by Stoplight

Search Example Project...

Changelog

Get User Info by User ID

Retrieve the information of the user with the matching user ID.

Request

Path Parameters

`userId` integer
Id of an existing user.

required

Responses

200 404

User Found

Body

application/json

```
id integer  
Unique identifier for the given user.  
  
firstName string  
  
lastName string  
  
email string<email>  
  
dateOfBirth string<date>
```

required

required

required

required

Parameters

userId* : integer

Send API Request Live Server

Request Sample: Shell / cURL

```
curl --request GET \  
--url http://localhost:3000/users/userId \  
--header 'Accept: application/json'
```

Response Example

```
1 {  
2   "id": 142,  
3   "firstName": "Alice",  
4   "lastName": "Smith",  
5   "email": "alice.smith@gmail.com",  
6   "dateOfBirth": "1997-10-31",  
7   "emailVerified": true,  
8   "signUpDate": "2019-08-24"  
9 }
```

Postman



Query Params

page

1

The page number for pagination.

limit

10

The number of items to return per page.

Example

Successful operation ▾

Request

cURL

```
curl --location 'http://localhost:3004/characters?page=1&limit=10' \
--header 'Authorization: Bearer <token>' \
--header 'Accept: application/json'
```



Response

Body Headers (1)

200 OK

json



```
{
  "characters": [
    {
      "name": "Iron Man",
      "id": 7,
      "first_name": "Tony",
      "last_name": "Stark",
      "description": "Genius, billionaire, playboy, philanthropist.",
      "powers": [
        "Superhuman strength",
        "Incredible strength",
        "Flight",
        "Durability",
        "Regeneration"
      ],
      "abilities": [
        "Advanced AI suit",
        "Bionic arm",
        "Lasers from eyes"
      ],
      "weaknesses": [
        "Fear of Iron Man mask",
        "Dependence on suit power"
      ]
    }
  ]
}
```

View More

JUMP TO

Introduction

Characters

[GET](#) Get all Marvel characters

[POST](#) Create a new Marvel character

[GET](#) Get a Marvel character

[PUT](#) Update a Marvel character

[DEL](#) Delete a Marvel character

Microcks



<https://microcks.io/>

SERVICES & APIs > Marvel API - 1.0

Marvel API - 1.0

Created 2 minutes ago, last update on Aug 30, 2024, 4:25:34 PM

Edit Labels

PROPERTIES

Service Type: DIRECT REST

Contracts: Swagger 2.0 spec ⓘ, OpenAPI 3.0 spec ⓘ

Statistics: Mocks invocations ⓘ

Tests

Conformance index: A B C D E 0.0% →

Conformance score: 0.0% →

You may have already used this Direct API to record resources. Check what's in the repository ⓘ.

OPERATIONS

Method	Path	Dispatcher	Sample(s)
GET	/Movies		0 sample(s)
POST	/Movies		0 sample(s)
DELETE	/Movies/:id	URI_PARTS	0 sample(s)
GET	/Movies/:id	URI_PARTS	0 sample(s)
PUT	/Movies/:id	URI_PARTS	0 sample(s)

Backstage



<https://backstage.io/>

The screenshot shows the Backstage API Explorer interface. On the left is a dark sidebar with navigation links: Home, APIs (selected), Docs, Explore, Tech Radar, Cost Insights, GraphQL, and Settings. The main area has a green header bar with the title "APIs" and the subtitle "Backstage API Explorer". Below the header is a search bar and a support link. The main content area displays a table titled "All apis (9)". The table columns are: NAME, SYSTEM, OWNER, TYPE, LIFECYCLE, DESCRIPTION, TAGS, and ACTIONS. Each row represents an API entry with details like name, system, owner, type, lifecycle status, description, and action buttons for edit and star. A "Filter" button is located at the top right of the table.

NAME	SYSTEM	OWNER	TYPE	LIFECYCLE	DESCRIPTION	TAGS	ACTIONS
hello-world		team-c	grpc	deprecated	Hello World...		
hello-world-trpc		team-c	trpc	experimental	Hello World...		
petstore		team-c	openapi	experimental	The petstore API	 	
petstore-webhook		team-c	openapi	experimental	The petstore...	 	
spotify		team-a	openapi	production	The Spotify web...	 	
starwars-graphql		team-b	graphql	production	SWAPI GraphQL...		
streetlights		team-c	asyncapi	production	The...		
wayback-archive		team-a	openapi	production	Archive API for...		
wayback-search		team-a	openapi	production	Search API for...		

EventCatalog



<https://www.eventcatalog.dev/>

EventCatalog

Search EventCatalog ⌂K

Docs Visualiser Discover

Domains

Orders v0.0.2

- Orders Domain
- Node Graph
- Order

Payment v0.0.2

- Overview

Services

Inventory Service v0.0.2

- EDA Architecture overview

Notifications v0.0.2

- Why this service was created?
- Who owns this service?

Orders Service v0.0.2

- Why this service was created?
- Who owns this service?

Payment Service v0.0.1

- Why this service was created?
- Who owns this service?

Messages

Inventory adjusted v0.0.4

- Overview
- Event Details
- Event Name
- Description

Orders (v0.0.2)

Go Domain New domain

Orders Domain

The Orders domain handles all operations related to customer orders, from creation to fulfillment. This documentation provides an overview of the events and services involved in the Orders domain, helping developers and stakeholders understand the event-driven architecture.

Please ensure all services are updated to the latest version for compatibility and performance improvements.

Node Graph

Download visual

View in Visualiser

Services (3)

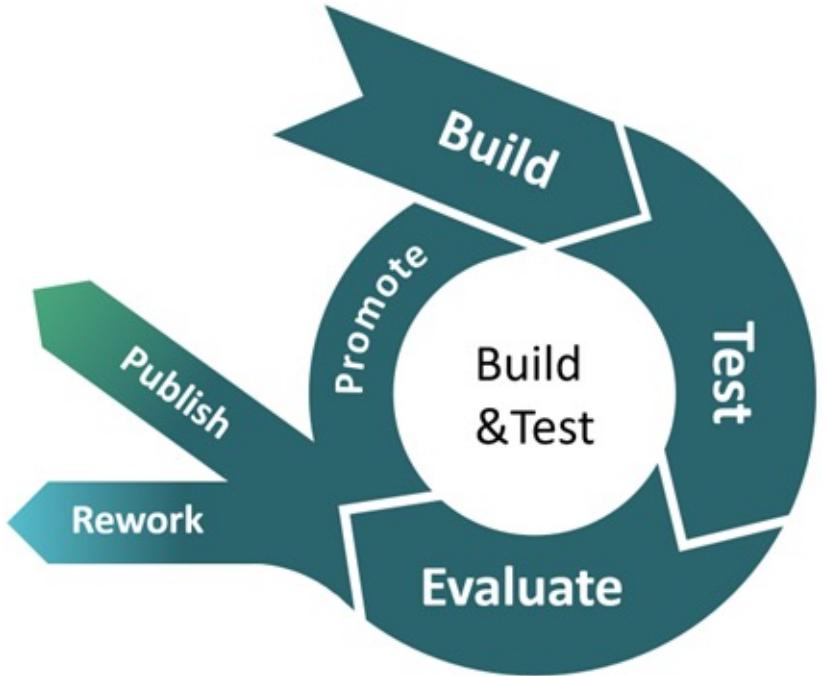
- InventoryService** v0.0.2 Service
- NotificationService** v0.0.2 Service
- OrdersService** v0.0.2 Service

Service Owners (1)

David Boyne Lead developer

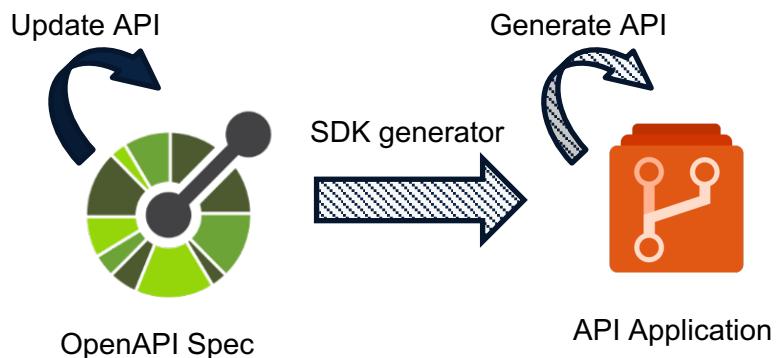
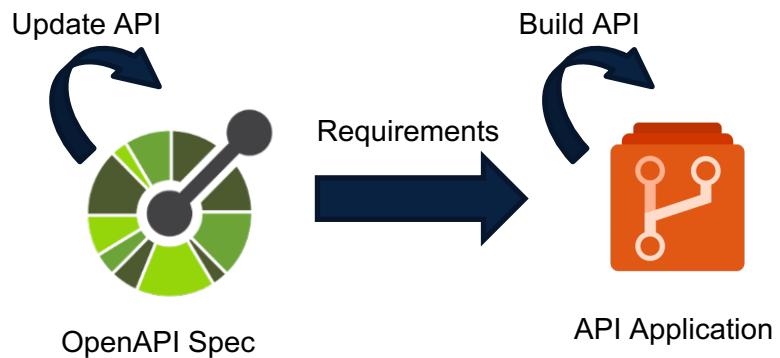
Versions (2)

v0.0.2 (latest) v0.0.1



• • • • •

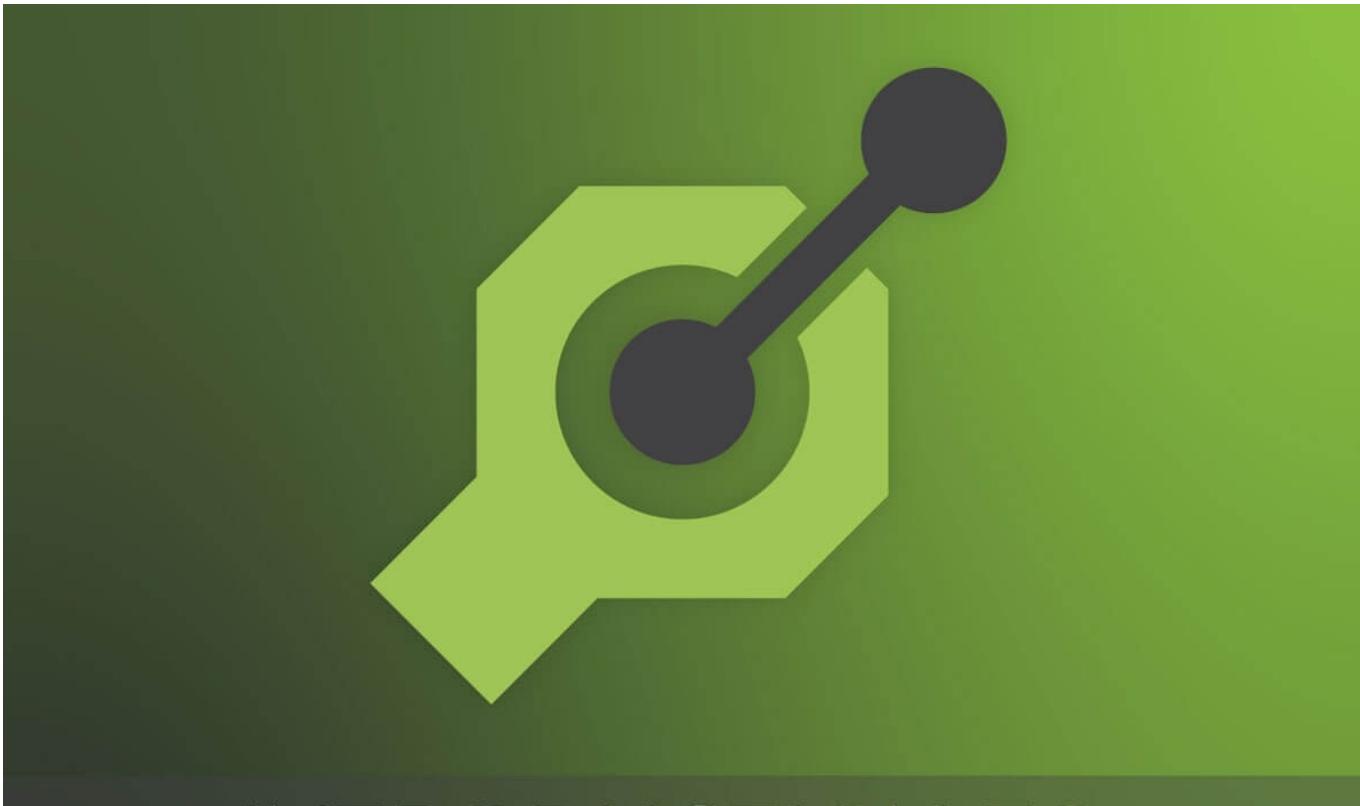
Build

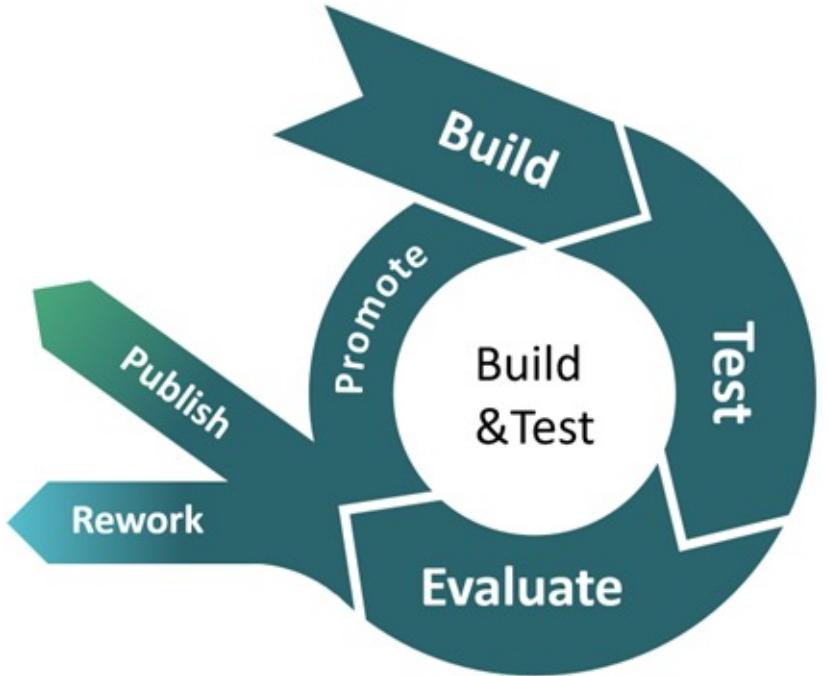


Server Generation



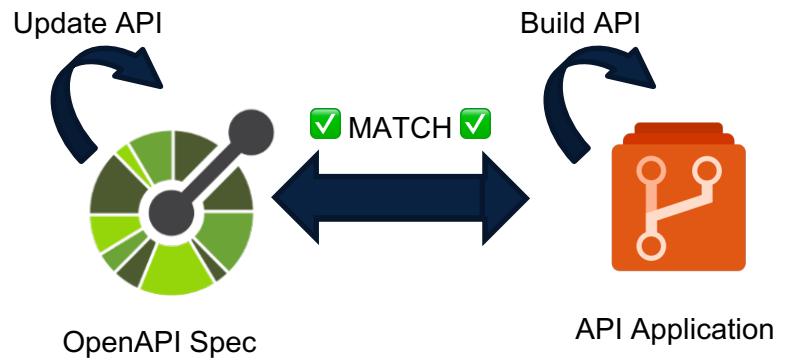
<https://openapi-generator.tech>



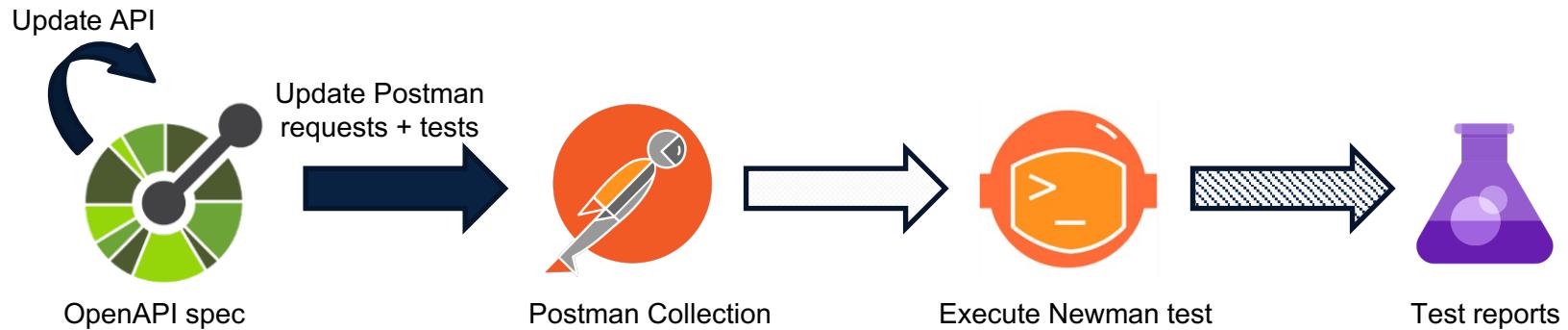


• • • • •

Contract testing



Contract testing



Portman



<https://www.npmjs.com/package/@apideck/portman>

Screenshot of the npmjs.com package page for @apideck/portman.

Header:

- npm logo
- Search bar: Search packages
- Search button
- Sign Up button
- Sign In button

Package Information:

- @apideck/portman** (TypeScript)
- 1.26.2 • Public • Published 3 days ago
- Readme (selected)
- Code (Beta)
- 24 Dependencies
- 2 Dependents
- 80 Versions

Preview:

The preview shows a purple background with a cartoon character wearing a headset. The text "Portman CLI 1.0 is here" is displayed prominently. Below it, the npm logo and "@apideck/portman" are shown. To the right of the preview is a terminal window displaying the command "npx @apideck/portman -l your-openapi-file.yaml" and its usage information.

Install:

```
npm i @apideck/portman
```

Repository:

github.com/apideck-libraries/portman

Homepage:

apideck.com

Weekly Downloads:

9,097

Version: 1.26.2 **License:** Apache-2.0

Unpacked Size: 848 kB **Total Files:** 301

Newman



<https://www.npmjs.com/package/newman>

npm **Search** [Sign Up](#)

newman 

6.1.0 • [Public](#) • Published a month ago

[Readme](#) [Code](#) Beta [21 Dependencies](#) [182 Dependents](#) [166 Versions](#)

 **POSTMAN**

Manage all of your organization's APIs in Postman, with the industry's most complete API development environment.

newman *the cli companion for postman*  

Newman is a command-line collection runner for Postman. It allows you to effortlessly run and test a Postman collection directly from the command-line. It is built with extensibility in mind so that you can easily integrate it with your continuous integration servers and build systems.

Install

```
> npm i newman
```

Repository

 github.com/postmanlabs/newman

Homepage

 github.com/postmanlabs/newman

Weekly Downloads

580,509 

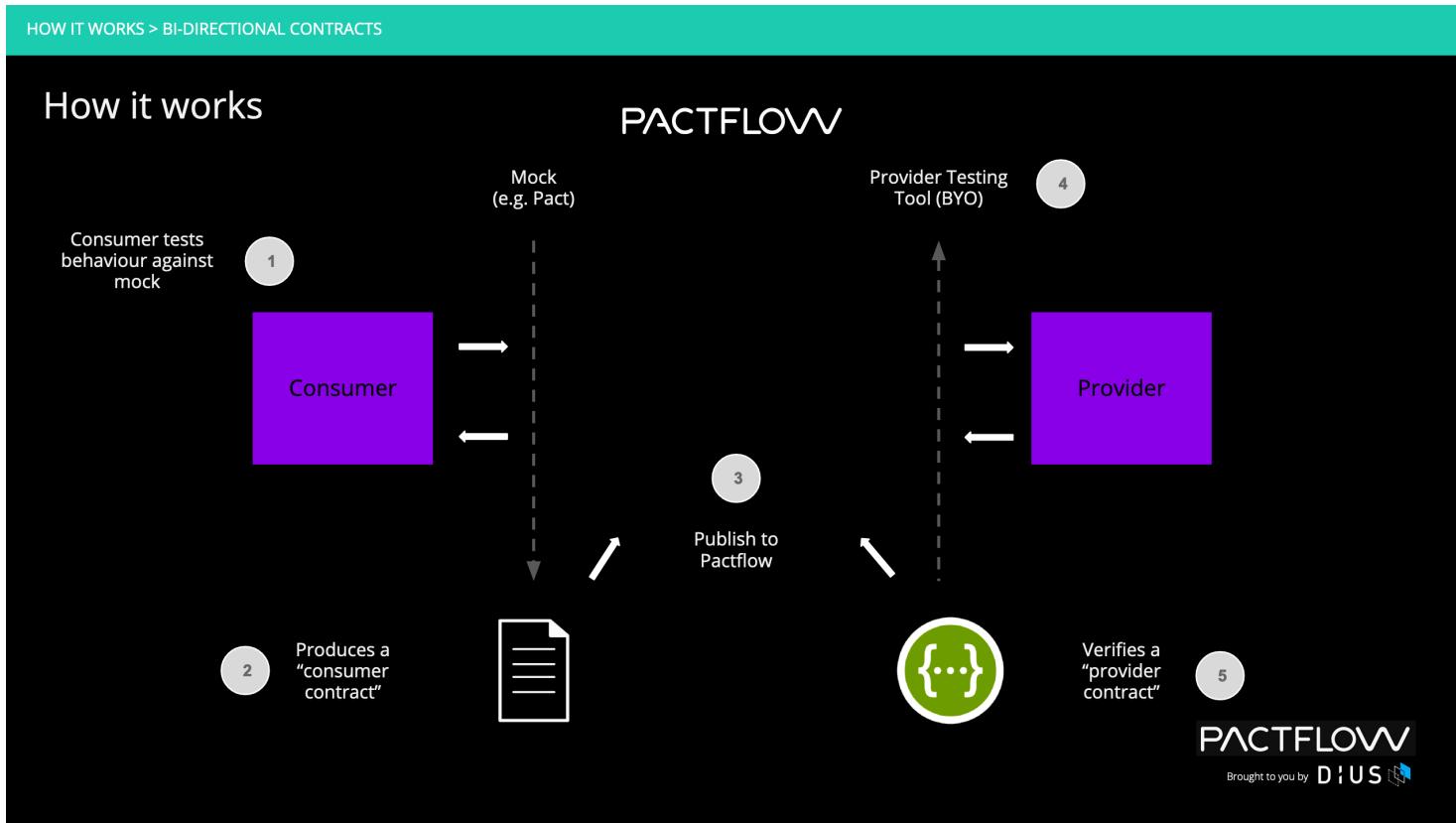
Version

License

Pact



<https://pactflow.io/>



Dredd



<https://dredd.org>

The screenshot shows the official Dredd website at <https://dredd.org>. The header includes the Dredd logo, a navigation bar with links like 'latest', 'Search docs', and a sidebar menu with sections such as 'Installation', 'Quickstart', 'How It Works', 'How-To Guides', 'Usage', 'JavaScript API', 'Hooks', 'Data Structures', and 'Internals'. A small sidebar at the bottom left promotes Algolia AI Search. The main content area features the title 'Dredd – HTTP API Testing Framework' and a badge showing 'npm package 14.1.0' (FAILED), 'build passing', 'docs passing', 'coverage 92%', 'Snyk security monitored'. Below this is a large 'DREDD' logo with the tagline 'No more outdated API Documentation' and icons for various languages and frameworks. A descriptive paragraph explains Dredd's purpose: 'Dredd is a language-agnostic command-line tool for validating API description document against backend implementation of the API.' Another paragraph states: 'Dredd reads your API description and step by step validates whether your API implementation replies with responses as they are described in the documentation.' At the bottom, there are sections for 'Features' and 'Supported API Description Formats'.

<https://dredd.org>

Dredd – HTTP API Testing Framework

npm package 14.1.0 FAILED build passing docs passing coverage 92% Snyk security monitored

DREDD

No more outdated API Documentation

O node PHP Python Ruby

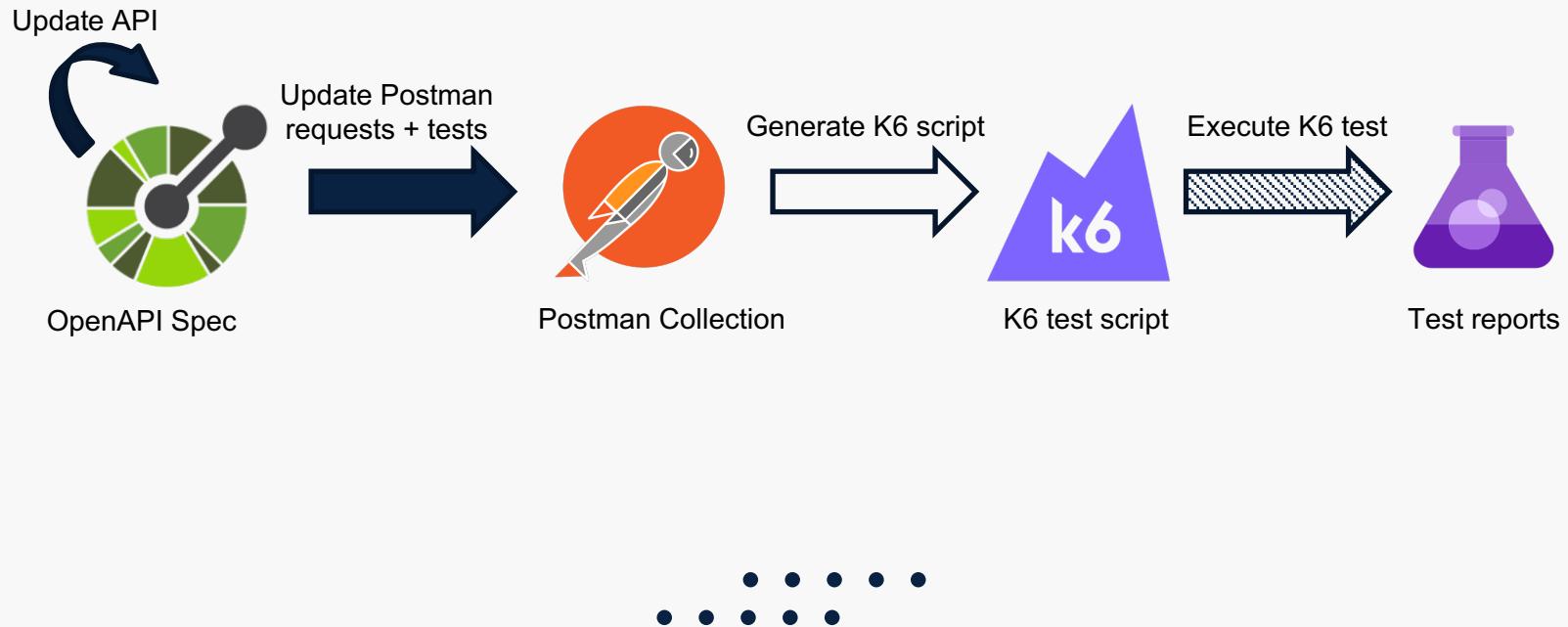
Dredd is a language-agnostic command-line tool for validating API description document against backend implementation of the API.

Dredd reads your API description and step by step validates whether your API implementation replies with responses as they are described in the documentation.

Features

Supported API Description Formats

Performance testing



K6



<https://k6.io/>



OPEN SOURCE

GRAFANA CLOUD K6

PRICING

DOCUMENTATION

ABOUT ▾

SIGN IN ▾

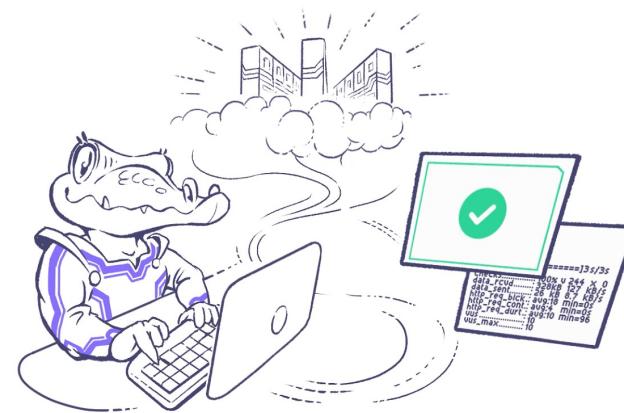
SIGN UP

The best developer experience for load testing

Open source and SaaS for engineering teams

[OPEN SOURCE >](#)

[GRAFANA CLOUD K6 >](#)



LOVED BY DEVELOPERS. TRUSTED BY BUSINESSES



Gatling



<https://gatling.io/>

The screenshot shows the Gatling website homepage with a dark blue background featuring a network graph pattern. At the top left is the Gatling logo (an orange stylized 'G' icon followed by the word 'Gatling'). At the top right are navigation links: Why Gatling? (dropdown), Learn more (dropdown), About (dropdown), Pricing, Book a demo, Login, and a prominent orange 'Free Trial' button. Below the header, a large white text area contains the slogan 'Test. Succeed. Iterate.' in a bold, sans-serif font. Underneath the slogan, a smaller text states 'Gatling is a powerful load-testing solution for applications, APIs, and microservices.' To the right of this text is a dark blue rectangular overlay containing the Gatling logo, a play button icon, and the slogan again, along with the tagline 'Test. Succeed. Iterate.' Below this overlay, the text 'Trusted by 100,000+ businesses worldwide' is visible at the bottom of the page.

Trusted by 100,000+ businesses worldwide



<https://jmeter.apache.org/>



About

- [Overview](#)
- [License](#)

Download

- [Download Releases](#)
- [Release Notes](#)

Documentation

- [Get Started](#)
- [User Manual](#)
- [Best Practices](#)
- [Component Reference](#)
- [Functions Reference](#)
- [Properties Reference](#)
- [Change History](#)
- [Javadocs](#)
- [JMeter Wiki](#)
- [FAQ \(Wiki\)](#)

Tutorials

- [Distributed Testing](#)
- [Recording Tests](#)
- [JUnit Sampler](#)

Apache JMeter™



[Twitter](#)



[github](#)

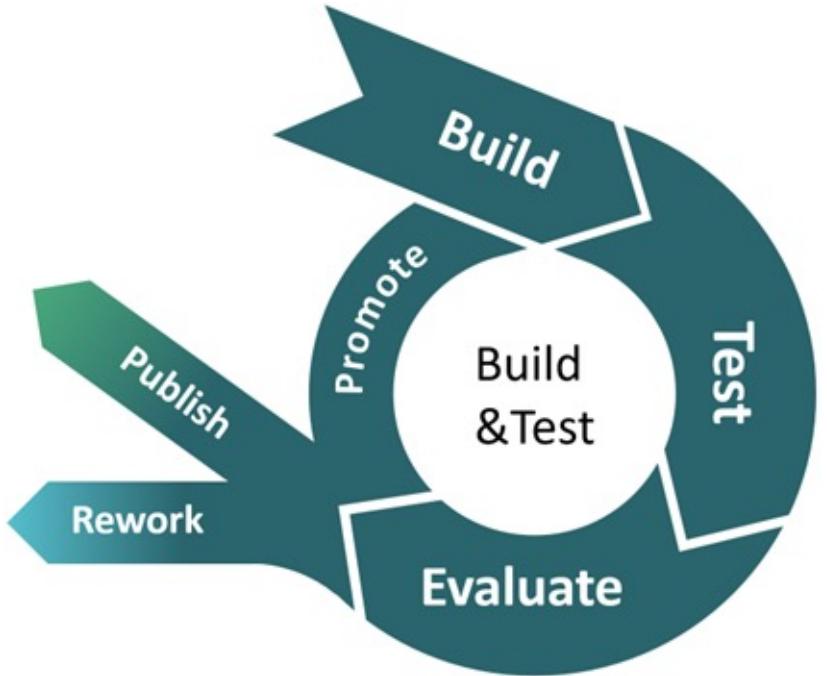
The **Apache JMeter™** application is open source software, a 100% pure Java application designed to load test functional behavior and measure performance. It was originally designed for testing Web Applications but has since expanded to other test functions.

What can I do with it?

Apache JMeter may be used to test performance both on static and dynamic resources, Web dynamic applications. It can be used to simulate a heavy load on a server, group of servers, network or object to test its strength or to analyze overall performance under different load types.

Apache JMeter features include:

- Ability to load and performance test many different applications/server/protocol types:
 - Web - HTTP, HTTPS (Java, NodeJS, PHP, ASP.NET, ...)
 - SOAP / REST Webservices
 - FTP
 - Database via JDBC
 - LDAP
 - Message-oriented middleware (MOM) via JMS
 - Mail - SMTP(S), POP3(S) and IMAP(S)
 - Native commands or shell scripts
 - TCP
 - Java Objects



• • • • •

 #smc-list-api.21067.02_merge Merge pull request 12945 from story/134362_links_to_records into main
on ES - smc.list.api - Deploy

Run new

⋮

Summary **Tests** Environments Associated pipelines

Summary

2 Run(s) Completed (1 Passed, 1 Failed) [1 unique failing test in the last 14 days](#)

16

Total tests

+16



15 ● Passed
1 ● Failed
0 ● Others



1 ● Failed tests (+1)
1 ● New
0 ● Existing

93.75%

Pass percentage

↑ 93.7%

1m

Run duration ⓘ

↑ +1m

0

Tests not reported

 Bug  Link  Flaky

 Test run ⌂

 Column Options

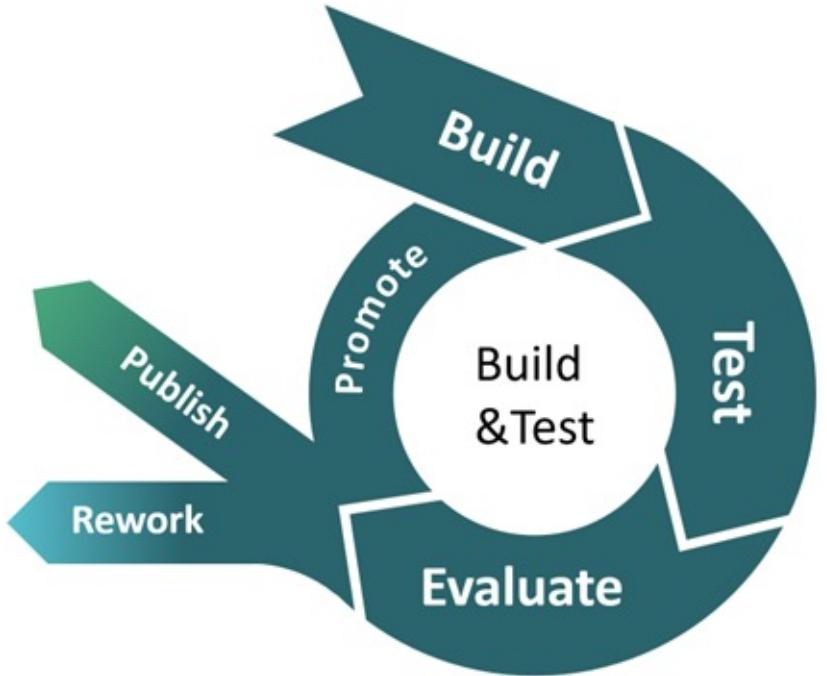
⋮

Filter by test or run name

Tags ⌂ SmcListsNewman ⌂ Owner ⌂ Passed ⌂ ×

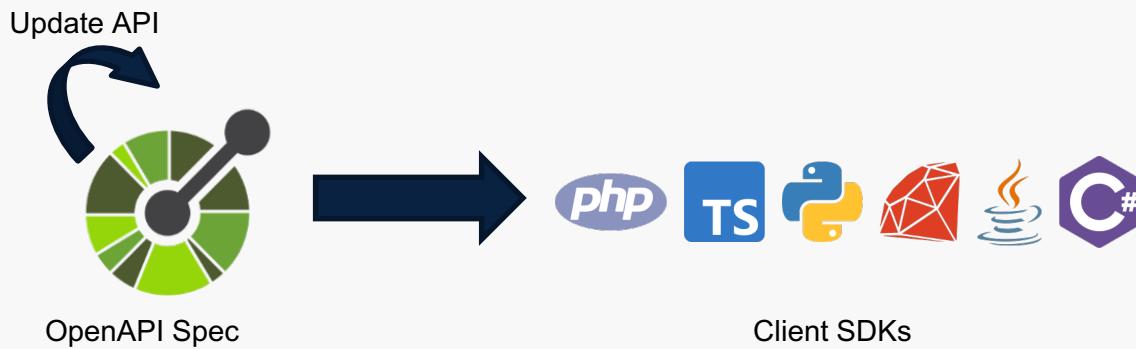
Test	Duration	Failing since	Failing build	Tags
✓ Newman test suite "List" - buzz-main env (14/14)	0:00:03.194			
✓ [POST] /lists/v2/audiences/{audienceId}/import - Response header Operation-Location is present	0:00:03.196			
✓ [POST] /lists/v2/audiences/{audienceId}/import - Status code is 2xx	0:00:03.194			
✓ [GET] /lists/v2/audiences/{audienceId} - Content-Type is application/json	0:00:01.460			
✓ [GET] /lists/v2/audiences/{audienceId} - Schema is valid	0:00:01.460			
✓ [GET] /lists/v2/audiences/{audienceId} - Status code is 2xx	0:00:01.460			
✓ [GET] /lists/v2/audiences/{audienceId} - Response has JSON Body	0:00:01.457			
✓ [GET] /lists/v2/audiences/{audienceId}/records/{recordId} - Schema is valid	0:00:00.564			
✓ [GET] /lists/v2/audiences/{audienceId}/records/{recordId} - Status code is 2xx	0:00:00.564			





• • • • •

Generate SDK

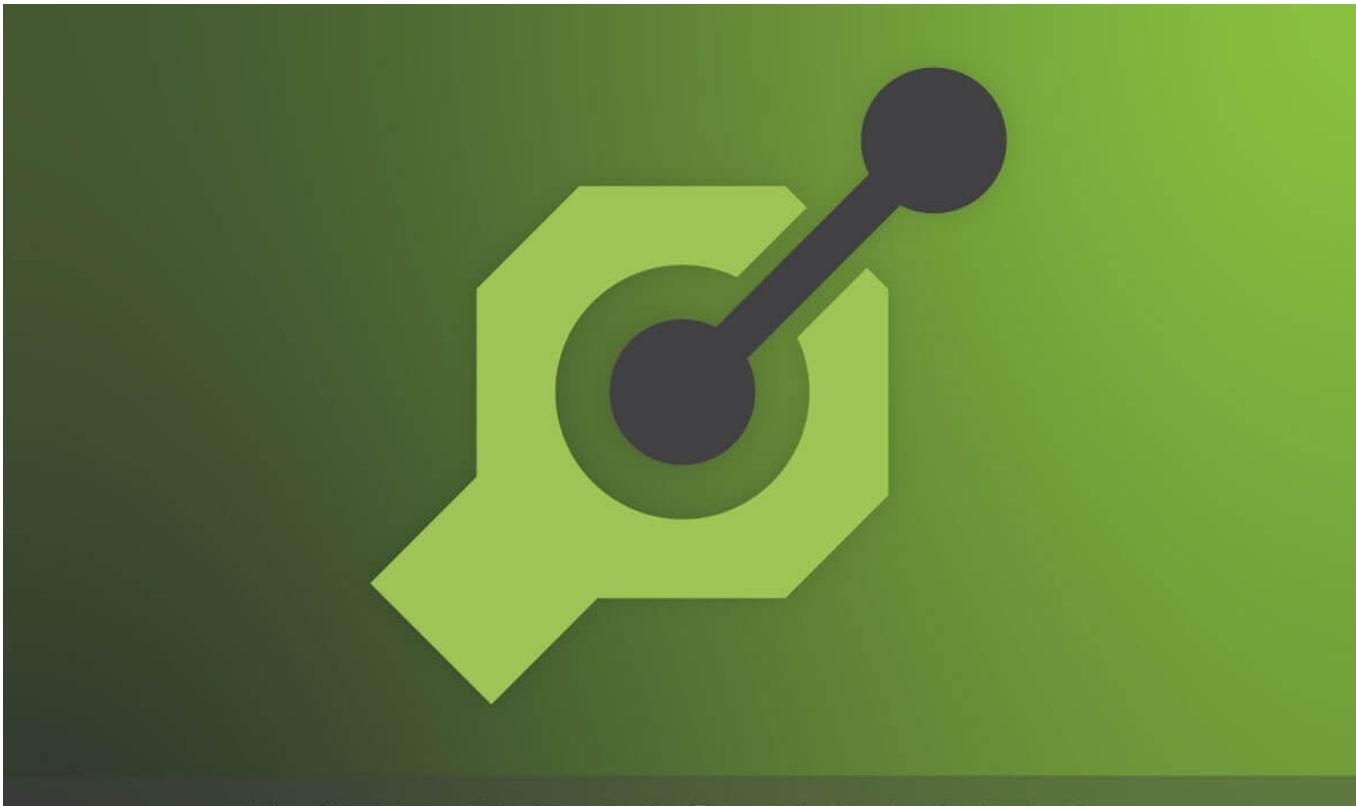


• • • • •

SDK Client Generation



<https://openapi-generator.tech>



SDK Client Generation



<https://orval.dev/>



Search docs



Docs

Playground

Examples



Generate client with appropriate type-signatures

Generate, valid, cache and mock in your frontend applications all with your OpenAPI specification.

Get Started

GitHub



Productivity

Saves time to drink coffee, not your API code out of

Error boundary

Out your contract! With the combination of orval

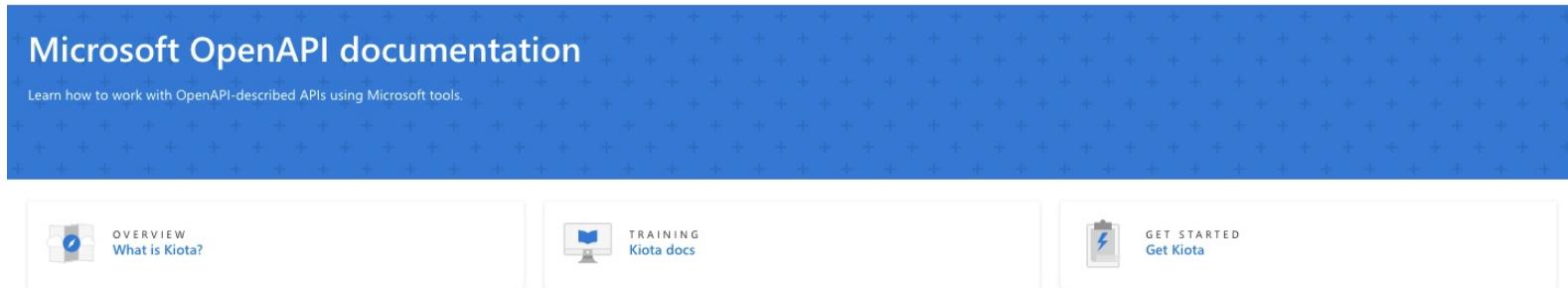
API mocking

Don't wait for your backend to be ready to test

SDK Client Generation



<https://learn.microsoft.com/en-us/openapi/>

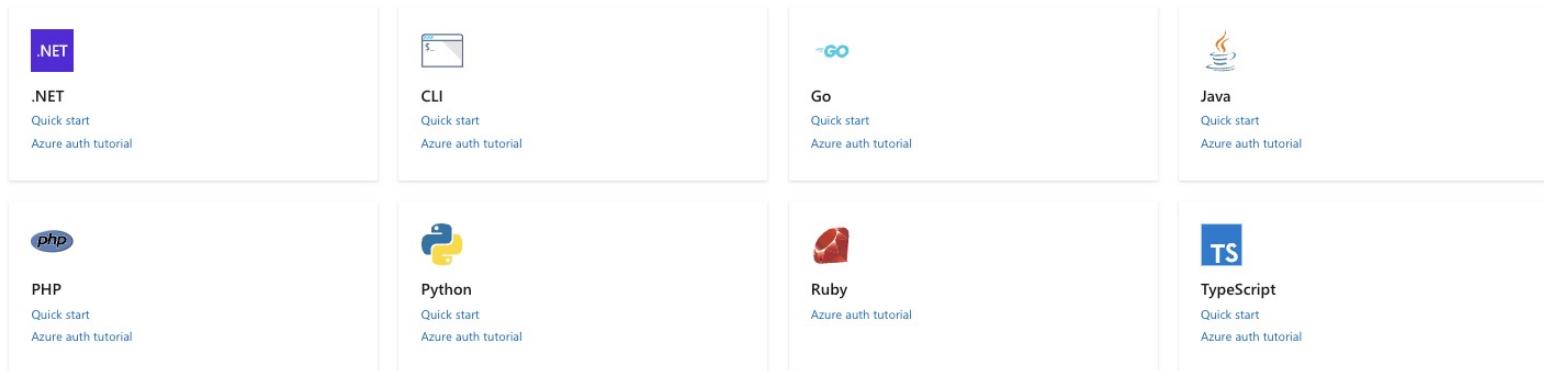


The screenshot shows the Microsoft OpenAPI documentation landing page. It features a blue header bar with the title "Microsoft OpenAPI documentation" and a subtext "Learn how to work with OpenAPI-described APIs using Microsoft tools." Below the header are three main navigation cards:

- OVERVIEW** What is Kiota? (Icon: document with a gear)
- TRAINING** Kiota docs (Icon: computer monitor with a book)
- GET STARTED** Get Kiota (Icon: battery with a lightning bolt)

Kiota

Kiota builds API clients from OpenAPI descriptions



The screenshot displays a grid of eight cards, each representing a different programming language or technology stack supported by Kiota:

.NET Quick start Azure auth tutorial	CLI Quick start Azure auth tutorial	Go Quick start Azure auth tutorial	Java Quick start Azure auth tutorial
PHP Quick start Azure auth tutorial	Python Quick start Azure auth tutorial	Ruby Azure auth tutorial	TypeScript Quick start Azure auth tutorial

SDK Client Generation



<https://buildwithfern.com/>

The screenshot shows the Fern website homepage at the top, featuring a navigation bar with links to Products, Showcase, Documentation, Pricing, and Blog, along with a "Get started" button. Below the navigation is a large call-to-action section with the text "Input your OpenAPI. Output SDKs and Docs." and "Beautiful SDKs and Docs for your API". It includes two buttons: "Book a demo" and "Get started - free →". A modal window titled "vellum 2.3 -" is displayed, showing the Vellum API Reference for the "List Documents" endpoint. The modal includes sections for "API Reference", "List Documents", "Query Parameters", and "REQUEST" and "RESPONSE" tabs. The REQUEST tab shows a code snippet for a Node.js client, and the RESPONSE tab shows a JSON response object. To the right of the modal, there is a sidebar with the heading "Trusted by" and logos for Flatfile, MERGE, vellum, AssemblyAI, candidhealth, and Primer.

Input your OpenAPI. Output SDKs and Docs.

Beautiful SDKs and Docs for your API

Book a demo Get started - free →

vellum 2.3 -

Products Blog Free trial ↗

API Reference

List Documents

This endpoint lists all documents. You may optionally filter using query parameters.

Query Parameters

document_index_id optional string

Filter down to only those documents that are included in the specified index. You may provide either the Vellum-generated ID or the unique name of the index specified upon initial creation.

limit optional string

Number of results to return per page.

offset optional string

REQUEST (GET)

```
import { VellumClient } from "vellum-ai"
const vellum = VellumClient.api.key="API_KEY")
result = await vellum.documents.list({
  documentIndexId: "6289e235",
  limit: 10,
  offset: 0,
  orderings:"label"
});
```

RESPONSE

```
{
  "count": 10,
  "next": "https://api.vellum.ai/next?page=2",
  "previous": null,
  "results": [
    {
      "id": "6289e235-88c6-425e-97be-cdb419fdd52",
      "external_Id": "doc_e65ce15c",
      "last_uploaded_at": "2023-09-27T00:03:22Z",
      ...
    }
  ]
}
```

Trusted by

Flatfile

MERGE

vellum

AssemblyAI

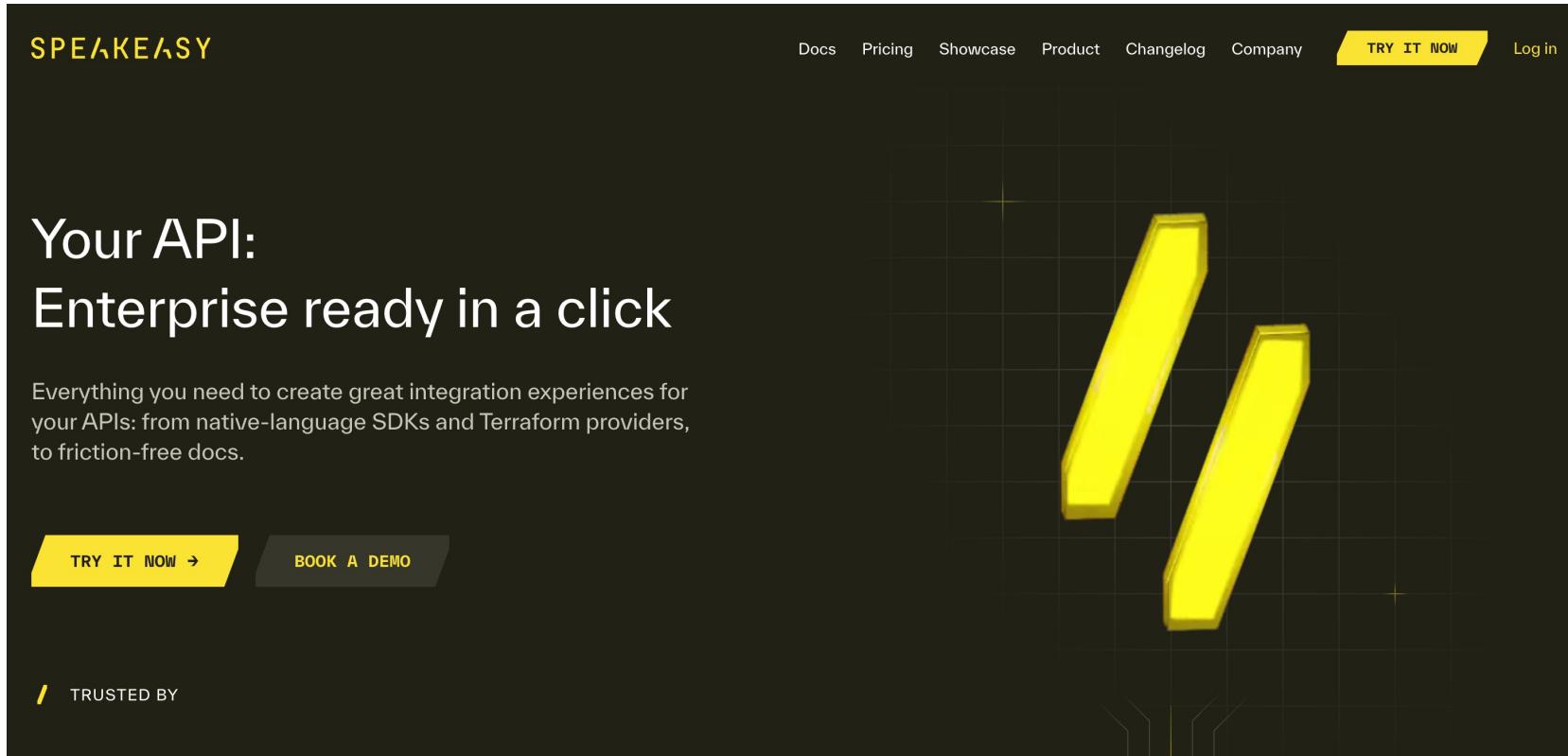
candidhealth

Primer

SDK Client Generation



[https://www.speakeeasyapi.dev/](https://www.speakeasyapi.dev/)



The screenshot shows the homepage of [speakeeasyapi.dev](https://www.speakeeasyapi.dev/). The header features a dark background with white text. On the left is the "SPEAKEASY" logo. To the right are navigation links: Docs, Pricing, Showcase, Product, Changelog, Company, a yellow "TRY IT NOW" button, and a Log in link. Below the header, the main content area has a dark background with a light grid pattern. It features a large white title: "Your API: Enterprise ready in a click". Below the title is a description: "Everything you need to create great integration experiences for your APIs: from native-language SDKs and Terraform providers, to friction-free docs." At the bottom, there are two buttons: a yellow "TRY IT NOW →" button and a grey "BOOK A DEMO" button. In the bottom left corner, there's a small "TRUSTED BY" section with a yellow exclamation mark icon and a list of logos. The overall design is clean and modern, emphasizing the ease and enterprise-readiness of the API generation service.

SPEAKEASY

Docs Pricing Showcase Product Changelog Company TRY IT NOW Log in

Your API: Enterprise ready in a click

Everything you need to create great integration experiences for your APIs: from native-language SDKs and Terraform providers, to friction-free docs.

TRY IT NOW →

BOOK A DEMO

TRUSTED BY



• • • • •

Pipeline

Update API



OpenAPI Spec

Update API



Validate OpenAPI

Build API



k6



Testing



Publish Docs

... • • • •



Marvel Universe

DETAILS

STATS

LOGS

ACTIONS

CONFIG

MEMBERS

BACKUPS

DEVELOPMENT

LAUNCHED



SCENARIOS

CUSTOM TASKS

HISTORY

SCHEDULE

Filter by name 

+ CREATE NEW SCENARIO

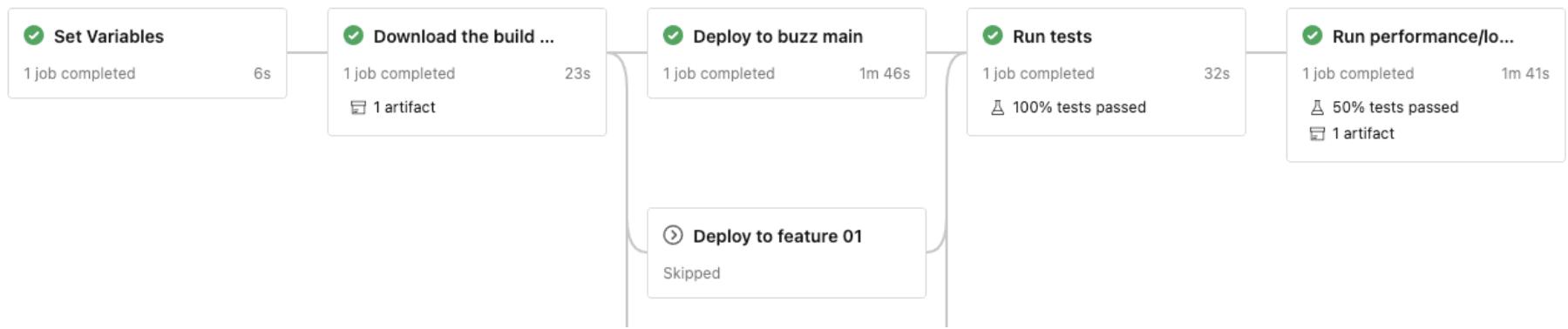
Scenarios

DEPLOY MARVEL API

 EDIT HOOKS RUN

1. Git Clone with symlink
2. Marvel - Validate OpenAPI spec [Node.js 18] # icon" data-bbox="878 498 898 528"/> 
6. Marvel - Start API [Node.js 18] 
7. Marvel - Publish OpenAPI [Node.js 18] 
8. Marvel - Publish Postman [Node.js 18] 
9. Marvel - Run Contract test [Node.js 18] 
10. Marvel - Run Performance test [Node.js 18] 
11. Marvel - Run Spike Performance test with Influx reporting [Node.js 18] 

Stages Jobs



✓ Validate the OpenAPI ...	1s
✓ Generate the bundled ...	1s
✓ Generate the bundled ...	1s
✓ Generate the bundled ...	2s
✓ Generate the bundled ...	2s
✓ Validate the OpenAPI ...	1s
✓ Generate JSON sche...	<1s
✓ Redocly :: Build the R...	2s
✓ Postman :: Build Post...	1s
✓ Postman :: Build Post...	2s
✓ Newman :: Filter lists...	<1s
✓ Newman :: Build New...	1s
✓ Newman :: Filter Ope...	<1s
✓ Newman :: Build New...	1s
✓ K6 :: Filter lists endp...	<1s
✓ K6 :: Prepare K6 test s...	1s
✓ K6 :: Filter Operation...	<1s
✓ K6 :: Prepare K6 test s...	1s
✓ Prepare folder struct...	<1s
✓ Publish API explorer b...	4s
✓ Publish Testing build ...	4s

✓ Newman :: Filter lists endpoints for Newman test suite



```
1 Starting: Newman :: Filter lists endpoints for Newman test suite
2 =====
3 Task      : Bash
4 Description : Run a Bash script on macOS, Linux, or Windows
5 Version   : 3.182.0
6 Author    : Microsoft Corporation
7 Help      : https://docs.microsoft.com/azure/devops/pipelines/tasks/utility/bash
8 =====
9 Generating script.
10 Script contents:
11 npm run filter:openapi-newman:lists
12 ===== Starting Command Output =====
13 /usr/bin/bash --noprofile --norc /home/vsts/work/_temp/9cc3a35a-4e51-463d-81a0-95b920d562bb.sh
14
15 > selligent-smc-api@1.0.0 filter:openapi-newman:lists /home/vsts/work/1/s/api-smc
16 > openapi-format ./docs/openapi/smc-rest-v2.openapi.json --configFile configs/openapi-format-config-newman-lists.json
17
18
19 | (index) | Values
20 |-----|
21 | sortFile | 'configs/openapi-format-sort.json'
22 | sort     | true
23 | lineWidth | -1
24 | configFile | 'configs/openapi-format-config-newman-lists.json'
25 | verbose  | true
26 | output   | 'testing/newman/smc-rest-v2-newman-lists.openapi.json'
27 | filterFile | 'configs/openapi-filter-options-newman-lists.json'
28 | rename   | 'SMC-NEWMAN-lists'
29
30 Sort File: configs/openapi-format-sort.json
31 Filter File: configs/openapi-filter-options-newman-lists.json
32 Input file: ./docs/openapi/smc-rest-v2.openapi.json
33 OpenAPI title renamed to: "SMC-NEWMAN-lists"
34 Output file: testing/newman/smc-rest-v2-newman-lists.openapi.json
35
36 ✓ OpenAPI was formatted successfully
37 Finishing: Newman :: Filter lists endpoints for Newman test suite
```

API Gateway



API Gateway > APIs > [unify-production-api \(ncwOaaG715\)](#) > Dashboards

Dashboard

Stage

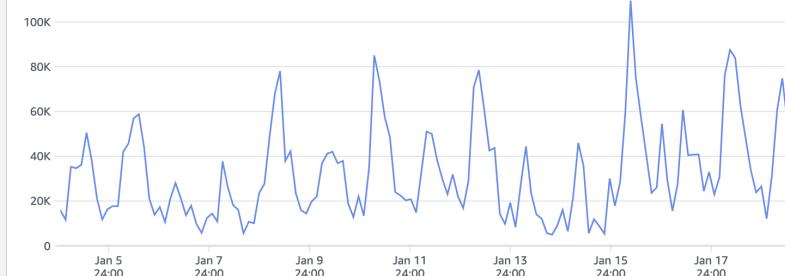
production

Date range

2024-01-04 — 2024-01-18

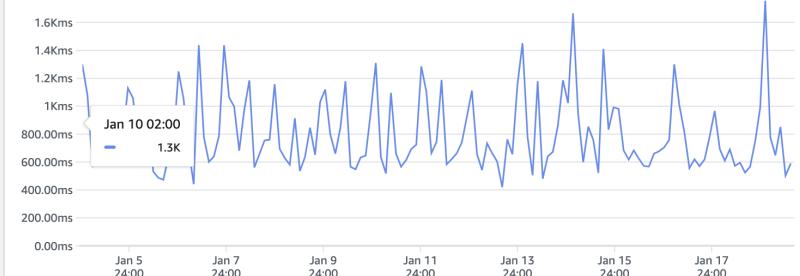
API calls

[View in CloudWatch](#)



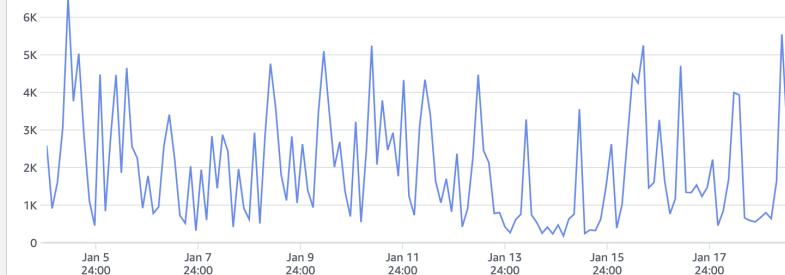
Latency

[View in CloudWatch](#)



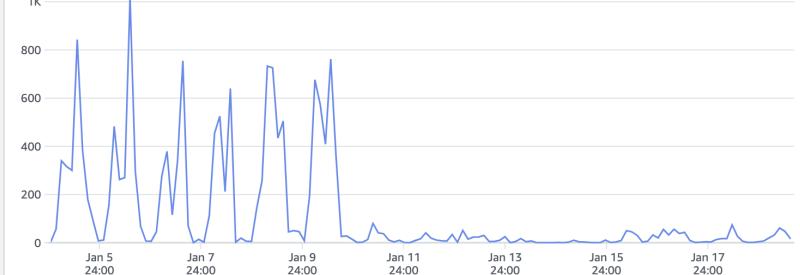
4xx error

[View in CloudWatch](#)



5xx error

[View in CloudWatch](#)



APIs

Custom domain names

VPC links

▼ API: **unify-production-api**

Resources

Stages

Authorizers

Gateway responses

Models

Resource policy

Documentation

Dashboard

API settings

Usage plans

API keys

Client certificates

Settings

Last 24 hours Roles = All

Server Browser

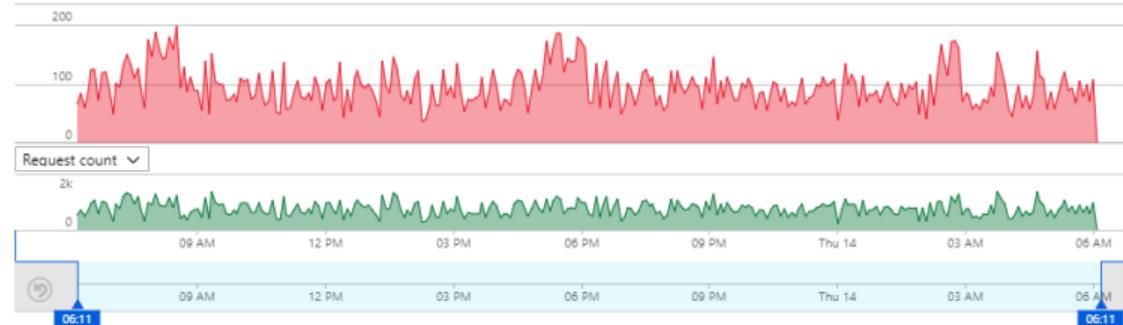
Operations Dependencies Exceptions Roles

View in Analytics

Feedback

Refresh

Failed request count



Select operation

Search to filter items...

OPERATION NAME	USERS	COUNT (FAILED)	COUNT	PIN
Overall	5.26k	27.53k	219.54k	
GET ServiceTickets/Details	1.39k	13.86k	13.87k	
GET Employees/Details	1.38k	4.63k	9.24k	
POST ServiceTickets/Create	1.36k	4.41k	4.41k	
GET Employees/Create	874	2.90k	2.90k	
GET Home/Index	839	873	9.91k	
GET ServiceTickets/Index	404	404	14.26k	

Overall

Top 3 response codes

	COUNT	FILTERING
500	24.61k	
404	2.92k	

Top 3 exception types

	COUNT	FILTERING
NullReferenceExce...	18.49k	
SqlException	4.41k	
HttpException	2.92k	

Top 3 dependency failures

	COUNT	FILTERING
SQL	12.17k	
Azure blob	9.04k	

Drill into...

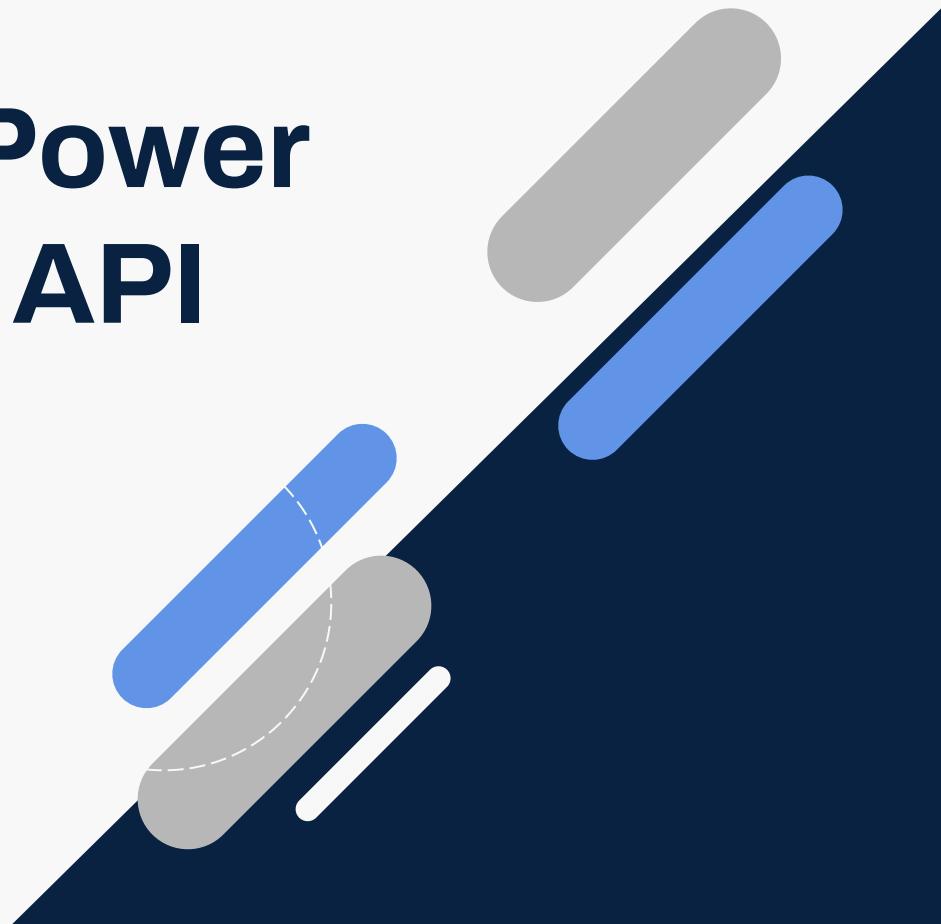
27.53k Operations

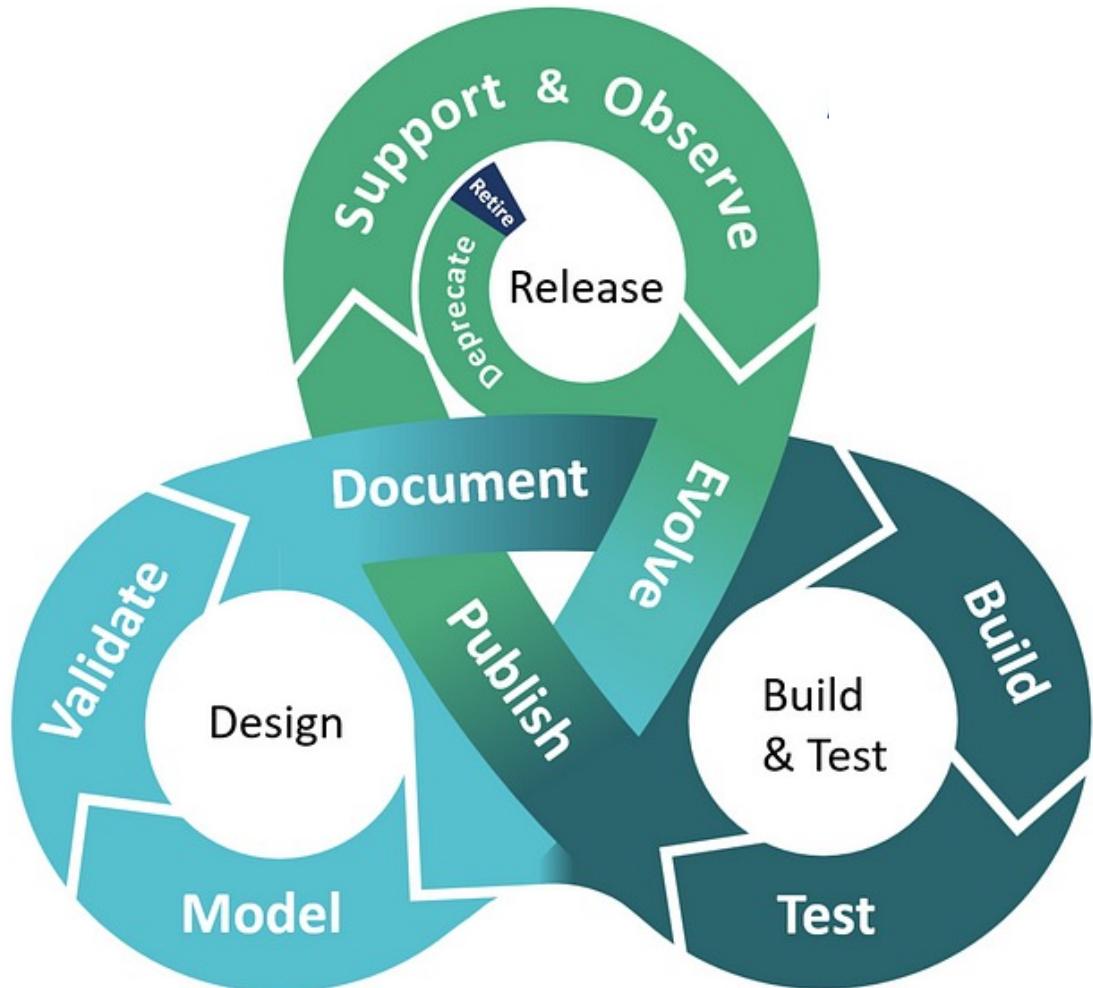


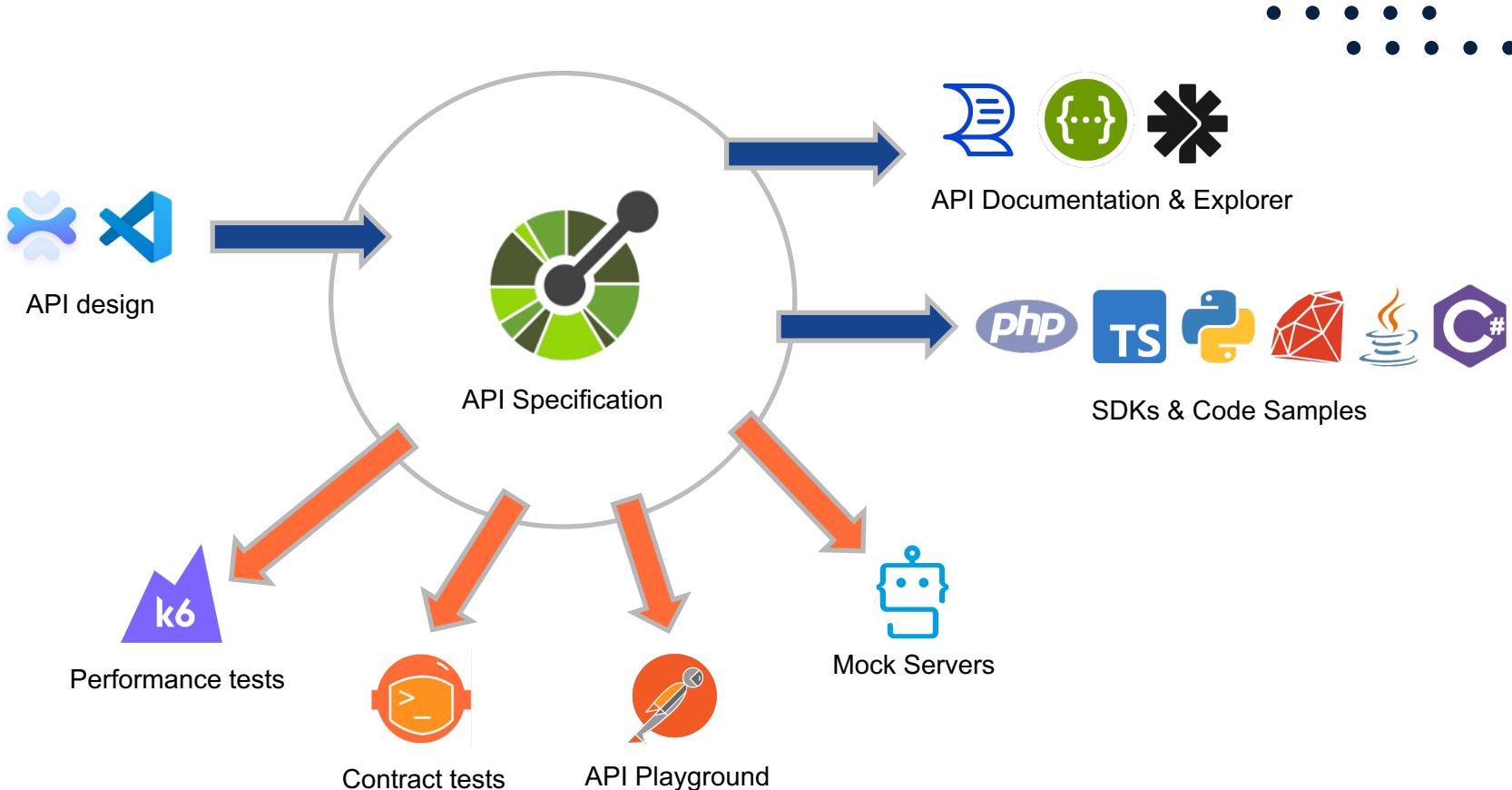
Unlocking the Power of Spec-Driven API Development

Recap

...:::







Spec-driven benefits

- Better **documentation**
 - Clearer **requirements**
 - Shorter **feedback** loops
 - More **consistent** API design
 - Easier Team **alignment**
 - Docs that **match** the API (and vice versa)
 - Much **lower** updating effort
 - Automatable outputs like:
 - **Documentation**
 - **Tests**
 - **Playgrounds**
 - **SDKs**
- • • • •

Thanks!

Do you have any questions?

