OpenAPI Generator

Generate clients, servers, and documentation from OpenAPI 2.0/3.x documents

Try It Out | Install

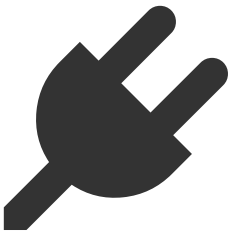
Generators | Customization | Integrations

Sponsors

If you find OpenAPI Generator useful, please consider asking your company to become a sponsor.

You can also individually sponsor the project by becoming a backer.

Thank you to our bronze sponsors!

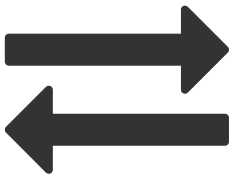


Easy to Use

With *50+* client generators, you can easily generate code to interact with any server which exposes an OpenAPI document

Each client supports different options and features, but all templates can be replaced with your own Mustache-based templates.

See Customization for details.



Servers

Getting started with server development can be tough, especially if you're evaluating technologies. We can reduce the burden when you bring your own OpenAPI document.

Generate server stubs for 40+ different languages and technologies, including Java, Kotlin, Go, and PHP.

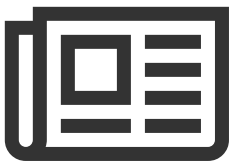
Some generators support *Inversion of Control*, allowing you to iterate on design via your OpenAPI document without worrying about blowing away your entire domain layer when you regenerate code.

Schemas/Configs

Ever wanted to iteratively design a MySQL database, but writing table declarations was too tedious?

OpenAPI Generator offers some special generators such as Apache2 Configuration, MySQL and GraphQL schema generators.

You can easily extend these generators and their templates to create derivative generators!



Documentation

OpenAPI documents allow you to convert the metadata about your API into some other format.

documentation to your consumers.

We also support generating from OpenAPI 2.0 to newer JSON/YAML OpenAPI 3.x documents.

Learn How

- Maven Plugin
- Gradle Plugin
- Bazel Plugin
- SBT Plugin
- Cake Plugin
- CLI via Homebrew
- CLI via Docker
- CLI via npm
- Generator SaaS

For details, see Workflow Integrations

Generation also allows for easy customization via options, custom templates, or even custom generators on your classpath. See Customization for details.

Active Community

Connect with us on Slack!

We're a very community-oriented project. We have an active community of users, contributors, and core team members on Slack. Slack is often a good place to start if you're looking for guidance about where to begin contributing, if you have an idea you're not sure fits the project, or if you just want to ask a question or say hello.

Try via npm

The npm package wrapper is cross-platform wrapper around the .jar artifact.

Install globally, exposing the CLI on the command line:

```
# install the latest version of "openapi-generator-cli"
npm install @openapitools/openapi-generator-cli -g

# use a specific version of "openapi-generator-cli"
openapi-generator-cli version-manager set 5.0.1

# Or install it as dev-dependency in your node.js projects
npm install @openapitools/openapi-generator-cli -D
```

Then, **generate** a ruby client from a valid petstore.yaml doc:

```
openapi-generator-cli generate -i petstore.yaml -g ruby -o /tmp/test/
```

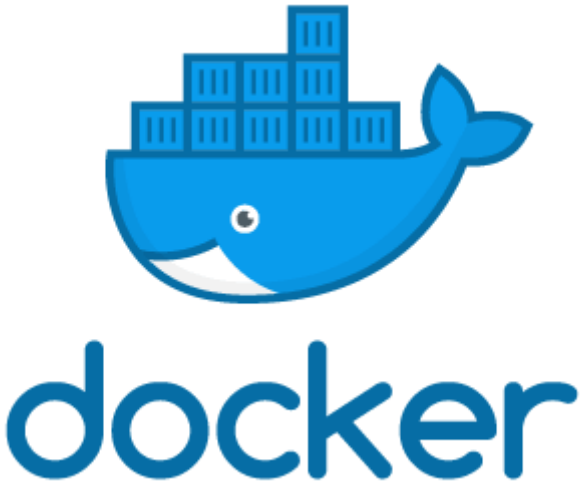
Try via Homebrew

Install via homebrew:

```
brew install openapi-generator
```

Then, **generate** a ruby client from a valid petstore.yaml doc:

```
openapi-generator generate -i petstore.yaml -g ruby -o /tmp/test/
```



Try via Docker

The OpenAPI Generator image acts as a standalone executable. It can be used as an alternative to installing via homebrew, or for developers who are unable to install Java or upgrade the installed version.

To generate code from a valid petstore.yaml doc with this image, you'll need to mount a local location as a volume.

```
docker run --rm \
    -v $PWD:/local openapitools/openapi-generator-cli generate \
    -i /local/petstore.yaml \
    -g go \
    -o /local/out/go
```

For a full list of our docker images, check out u/openapitools on Docker Hub.

Who is Using This?

Here are some users of OpenAPI Generator

More OpenAPI Generator Users

"OpenAPI Tools" and "OpenAPI Generator" are not affiliated with OpenAPI Initiative (OAI)

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