

The background features abstract, overlapping green geometric shapes, primarily triangles and polygons, in various shades of green, creating a modern, layered effect. The shapes are concentrated on the left and right sides of the frame, leaving a large white central area.


Swagger

¿Que es?

- ▶ Documentación de APIs estandarizada.
- ▶ Lo más comúnmente utilizado en la industria.
- ▶ Provee una estructura simple y clara

Swagger UI

<https://petstore3.swagger.io/>

 **Swagger**
Supported by SMARTBEAR

Explore

Swagger Petstore - OpenAPI 3.0

1.0.19 OAS 3.0

<https://petstore3.swagger.io/api/v3/openapi.json>


This is a sample Pet Store Server based on the OpenAPI 3.0 specification. You can find out more about Swagger at <http://swagger.io>. In the third iteration of the pet store, we've switched to the design first approach! You can now help us improve the API whether it's by making changes to the definition itself or to the code. That way, with time, we can improve the API in general, and expose some of the new features in OAS3.


Some useful links:

- [The Pet Store repository](#)
- [The source API definition for the Pet Store](#)

[Terms of service](#)
[Contact the developer](#)
[Apache 2.0](#)
[Find out more about Swagger](#)



Servers

Authorize 

pet Everything about your Pets [Find out more](#) 

PUT

/pet Update an existing pet

POST /pet Add a new pet to the store



Add a new pet to the store

Parameters

Try it out

No parameters

Request body required

application/json



Create a new pet in the store

Example Value | Schema

```
{
  "id": 10,
  "name": "doggie",
  "category": {
    "id": 1,
    "name": "Dogs"
  },
  "photoUrls": [
    "string"
  ],
  "tags": [
    {
      "id": 0,
      "name": "string"
    }
  ],
  "status": "available"
}
```

Responses


Code	Description	Links
200	<div>Successful operation</div> <div>Media type</div> <div>application/xml ▾</div> <div>Controls Accept header.</div> <div>Example Value Schema</div> <pre><?xml version="1.0" encoding="UTF-8"?> <pet> <id>10</id> <name>doggie</name> <category> <id>1</id> <name>Dogs</name> </category> <photoUrls> <photoUrl>string</photoUrl> </photoUrls> <tags> <tag> <id>0</id> <name>string</name> </tag> </tags> <status>available</status> </pet></pre>	No links
405	Invalid input	No links

Swagger YAML

- ▶ Archivo de extensión .yaml donde uno define el swagger
- ▶ Puede ser generado a través de un editor
- ▶ Existen extensiones que lo generan automáticamente de nuestro código

Edito Swagger Yaml

<https://editor.swagger.io/>

 **Swagger Editor**
Supported by SMARTBEAR

File

Edit

Insert

Generate Server

Generate Client

About

Try our new Editor

```
1 openapi: 3.0.3
2 info:
3   title: Swagger Petstore - OpenAPI 3.0
4   description: |-
5     This is a sample Pet Store Server based on the OpenAPI 3.0 specification. You can
6     find out more about
7     Swagger at [https://swagger.io](https://swagger.io). In the third iteration of the
8     pet store, we've switched to the design first approach!
9     You can now help us improve the API whether it's by making changes to the
10    definition itself or to the code.
11    That way, with time, we can improve the API in general, and expose some of the new
12    features in OAS3.
13
14    _If you're looking for the Swagger 2.0/OAS 2.0 version of Petstore, then click
15    [here](https://editor.swagger.io/?url=https://petstore.swagger.io/v2/swagger.yaml)
16    ). Alternatively, you can load via the `Edit > Load Petstore OAS 2.0` menu
17    option!_
18
19    Some useful links:
20    - [The Pet Store repository](https://github.com/swagger-api/swagger-petstore)
21    - [The source API definition for the Pet Store](https://github.com/swagger-api
22    /swagger-petstore/blob/master/src/main/resources/openapi.yaml)
23
24  termsOfService: http://swagger.io/terms/
25  contact:
26    email: apiteam@swagger.io
27  license:
28    name: Apache 2.0
29    url: http://www.apache.org/licenses/LICENSE-2.0.html
30  version: 1.0.11
31  externalDocs:
32    description: Find out more about Swagger
33    url: http://swagger.io
34  servers:
35    - url: https://petstore3.swagger.io/api/v3
36  tags:
37    - name: pet
38      description: Everything about your Pets
39      externalDocs:
40        description: Find out more
41        url: http://swagger.io
42    - name: store
43      description: Access to Petstore orders
```

Swagger Petstore - OpenAPI 3.0

1.0.11 OAS 3.0

This is a sample Pet Store Server based on the OpenAPI 3.0 specification. You can find out more about Swagger at <https://swagger.io>. In the third iteration of the pet store, we've switched to the design first approach! You can now help us improve the API whether it's by making changes to the definition itself or to the code. That way, with time, we can improve the API in general, and expose some of the new features in OAS3.

If you're looking for the Swagger 2.0/OAS 2.0 version of Petstore, then click [here](https://editor.swagger.io/?url=https://petstore.swagger.io/v2/swagger.yaml). Alternatively, you can load via the [Edit > Load Petstore OAS 2.0](#) menu option!

Some useful links:

- [The Pet Store repository](https://github.com/swagger-api/swagger-petstore)
- [The source API definition for the Pet Store](https://github.com/swagger-api/swagger-petstore/blob/master/src/main/resources/openapi.yaml)

[Terms of service](#)

[Contact the developer](#)

[Apache 2.0](#)

[Find out more about Swagger](#)

Servers

https://petstore3.swagger.io/api/v3

⌵

Authorize

pet

Everything about your Pets

Find out more

Json OpenApi 3.0

- ▶ Swagger también se puede exportar como json bajo la definición de OpenApi
- ▶ Este Json se puede importar en aplicaciones como Postman, Insomnia, etc.

```
{
  "openapi": "3.0.2",
  "info": {
    "title": "Swagger Petstore - OpenAPI 3.0",
    "description": "This is a sample Pet Store Server based on the Opetstore API. You can use this API to interact with the server and make changes to the definition itself or to the code. That way, you can be up to date with the latest changes. For more information, see the GitHub repository: https://github.com/swagger-api/swagger-petstore/blob/master/src/main/resources/openapi.yaml",
    "termsOfService": "http://swagger.io/terms/",
    "contact": {
      "email": "apiteam@swagger.io"
    },
    "license": {
      "name": "Apache 2.0",
      "url": "http://www.apache.org/licenses/LICENSE-2.0.html"
    },
    "version": "1.0.19"
  },
  "externalDocs": {
    "description": "Find out more about Swagger",
    "url": "http://swagger.io"
  },
  "servers": [
    {
      "url": "https://petstore3.swagger.io/api/v3/openapi.json",
      "description": "Production Server"
    }
  ]
}
```

<https://petstore3.swagger.io/api/v3/openapi.json>

Swagger en Java: SpringDoc

- ▶ Librería que genera un swagger de nuestra aplicación
- ▶ Su uso básico es muy sencillo, con solo agregar la librería ya funciona
- ▶ Se puede agregar más información a través de anotaciones en nuestro código
- ▶ Levanta una UI a través de la cual también se pueden consumir los endpoints
- ▶ También genera el Json de OpenApi para importar las definiciones a Postman

```
<dependency>  
  <groupId>org.springdoc</groupId>  
  <artifactId>springdoc-openapi-starter-webmvc-ui</artifactId>  
  <version>2.6.0</version>  
</dependency>
```

Anotaciones Complementarias

- ▶ @Tag - Da información sobre un controlador
- ▶ @Operation - Da información sobre un endpoint
- ▶ @ApiResponse - Da información sobre un response
- ▶ @RequestBody (La anotación de swagger) - Da información sobre un request body
- ▶ @Parameter - Da información sobre un parámetro de un request
- ▶ @SecurityScheme - Define tipos de autenticación para la aplicación
- ▶ @SecurityRequirement - Da información sobre la autenticación de un endpoint
- ▶ @OpenApiDefinition - Da información sobre nuestra aplicación

Swagger Generado

<http://localhost:8080/swagger-ui.html>

TTPS Api OAS 3.0

[/v3/api-docs](#)

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Vivamus tempus convallis tincidunt. Donec condimentum tempor dui a pellentesque. Nulla ut nulla vitae risus tristique consequat tincidunt nec sapien. Nullam non imperdiet nisi. Donec malesuada vitae urna vel tempus. Nunc ac pretium velit. Sed vulputate, leo vel posuere aliquet, massa orci iaculis nisi, ut sollicitudin lacus tortor vitae diam.

Servers

[http://localhost:8080 - Generated server url](#)

Authorize

Menu Controller CRUD Endpoints for menu

PUT [/menus](#) Update a Menu



POST [/menus](#) Create a Menu



DELETE [/menus/{uuid}](#) Deletes a Menu



user-controller

PUT [/users](#)



Accediendo al Swagger UI

- ▶ Documentación https://swagger.io/docs/specification/v3_0/about/
- ▶ Editor Online <https://editor.swagger.io/>
- ▶ Ejemplo UI <https://petstore3.swagger.io/>
- ▶ SpringDoc <https://springdoc.org/>
- ▶ Baeldung <https://www.baeldung.com/spring-rest-openapi-documentation>
- ▶ Repositorio Ejemplo <https://github.com/tomasdozo/ttps-swagger>