How to Write API Documentation as a Technical Writer

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JPDOCU SCHOOL OF TECHNICAL WRITING



Writing Documentation using Swagger UI

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Agenda

- ☐ What is Swagger?
- ☐ Benefits from using Swagger for writing documentation
- ☐ 7 Steps to wringing API documentation using Swagger

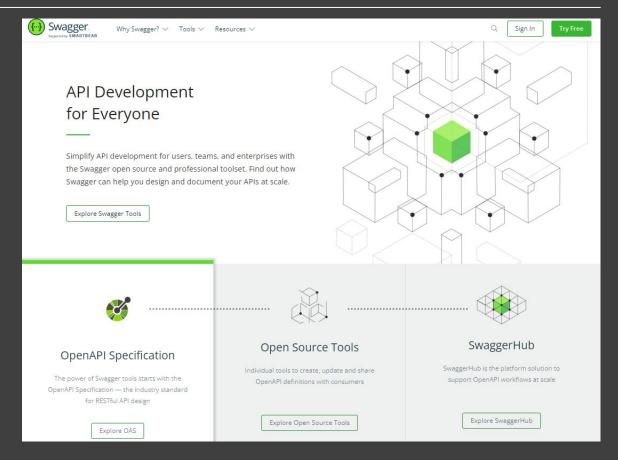
What is Swagger?

https://swagger.io/

An API development platform that brings together capabilities of the open source Swagger framework, as well as additional capabilities that allows you to:

- build,
- document,
- manage,
- and deploy

APIs"



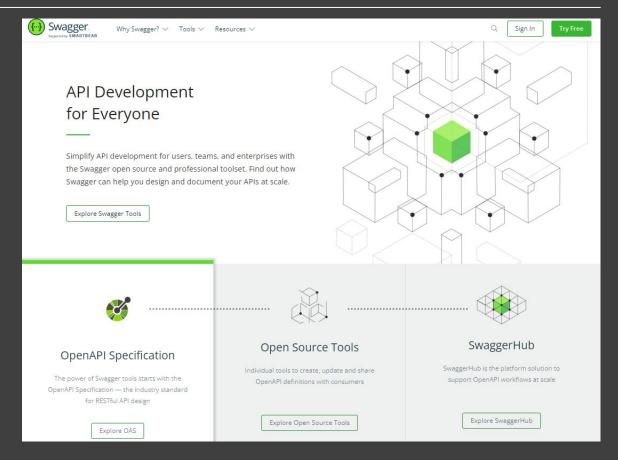
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Benefits from using Swagger for writing documentation

Write as you design approach:

- Create a new REST (that is, representational state transfer) API
- Document it while designing your REST API in Swagger
- Predefined tools to avoid the need to write directly in JSON or YAML

Step 1: Create New API

Prerequisites

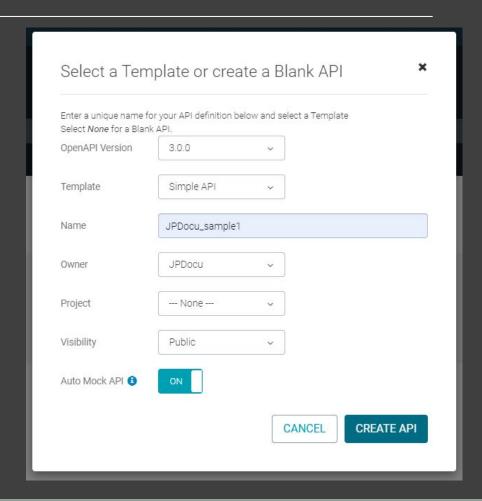
Create your account and log on to the SwaggerHub: https://app.swaggerhub.com/home

Steps

- 1. Choose *Create New*.
- 2. Choose *Create New API*.
- 3. In the dialog that appears, enter your sample API details. *Note*: On the free plan you can only have a *Public* API.
- 4. Choose *Create API* button.

Result

Your new API appears in the list of APIs under My Hub.



Demo

Step 2: Create the API Introductory Page

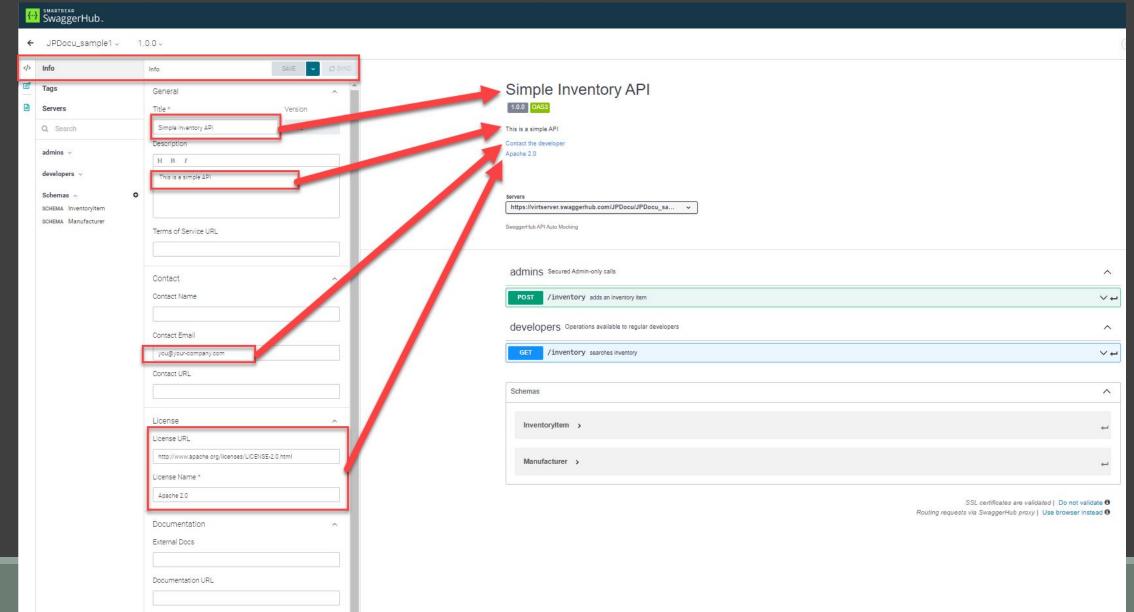
- 1. Under My Hub, select your newly created API.
- 2. Click on *Open to Edit* that appears.

 Your API is loaded in the Swagger UI editor tool.

Step 2.1: Edit the API Info

- 1. Under My Hub, select your newly created API.
- 2. Click on *Open to Edit* that appears. Your API is loaded in the Swagger UI editor tool.
- 3. Enter the API summary information. Make it clear what is the intended use of the API. This is like a landing page for your API documentation for people who see it for the first time. Make it easy to follow.

Sample Introductory Info



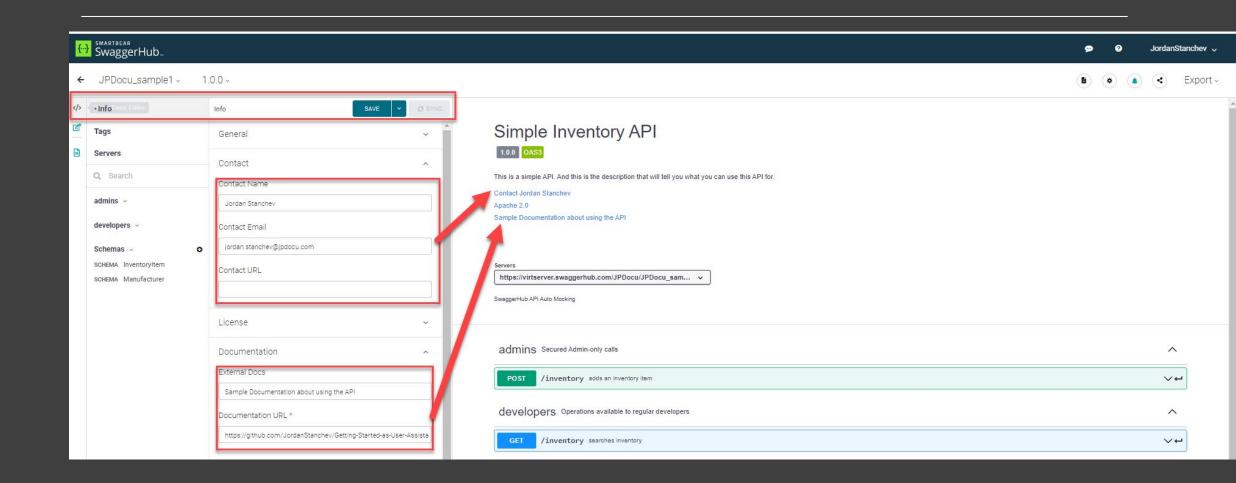
Demo

Step 2.2: Edit the API Contacts and Links to Further Documentation

- 1. Make it clear whom to contact in case of questions about the API.
- 2. Provide a link to your further documentation getting started guide, tutorials, end-users guides, etc., that are NOT a part of the API documentation itself.

Remember the documentation framework steps – supply information about the connection and authentication mechanism to connect to the API.

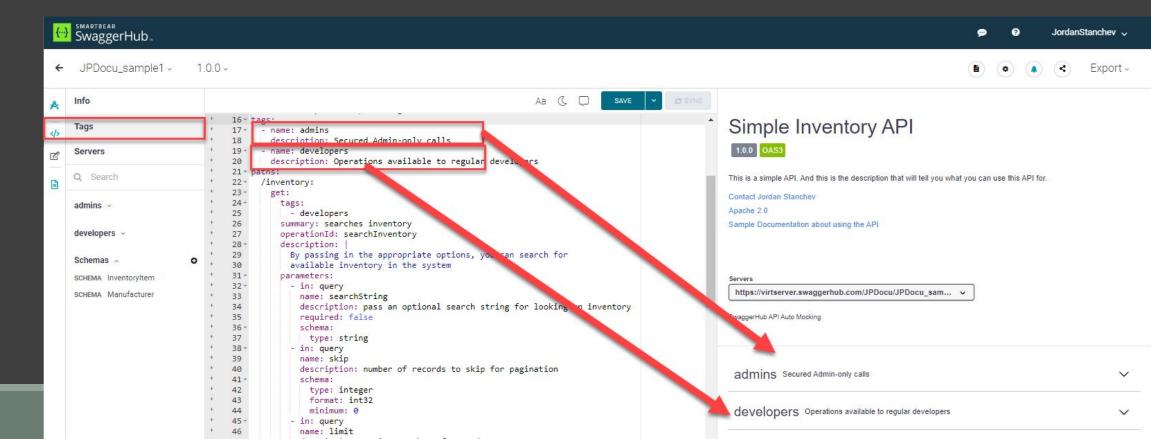
Sample Contacts and Documentation Links



Demo

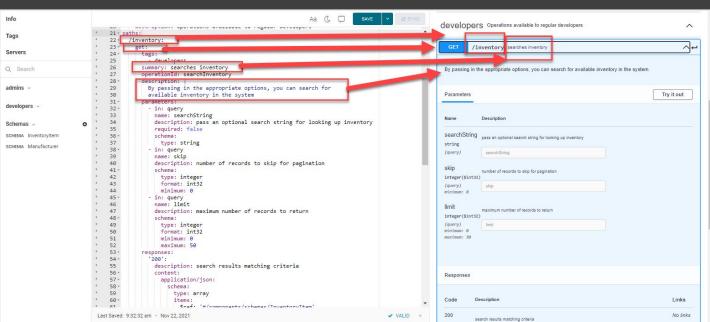
Step 3: Define the Tags of your API

To make your content well-structured and organized, you can tag content with metadata. For example, if you content is relevant for admins, you can create a tag to cluster information about these roles:

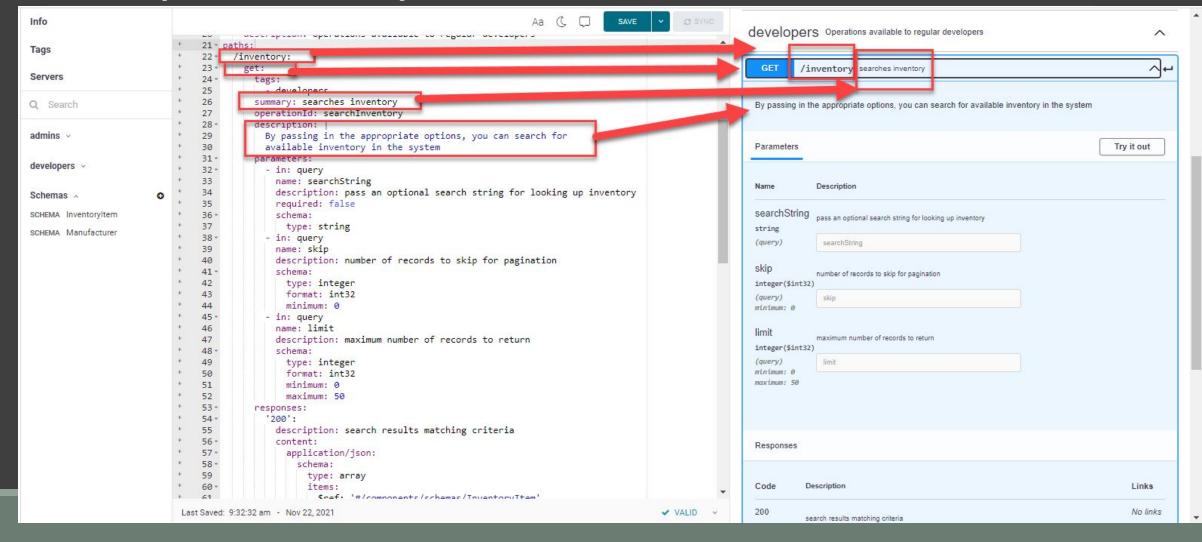


Step 4: Define the API Operations and Paths

- 1. Define which are the operations that your API supported (GET, SET, POST, DELETE, etc.)
- 2. Define the path (that is, endpoints) in the URL that was defined to access this part of the API. (/path)
- 3. Define the tags (if applicable) to use for this path.
- 4. Write a short summary and a more detailed description about this part of your API.
- 5. Describe the API request parameters.
- 6. Describe the API responses.



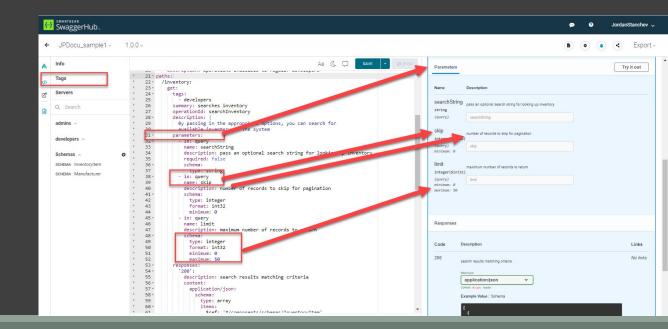
Sample API Operation and Path



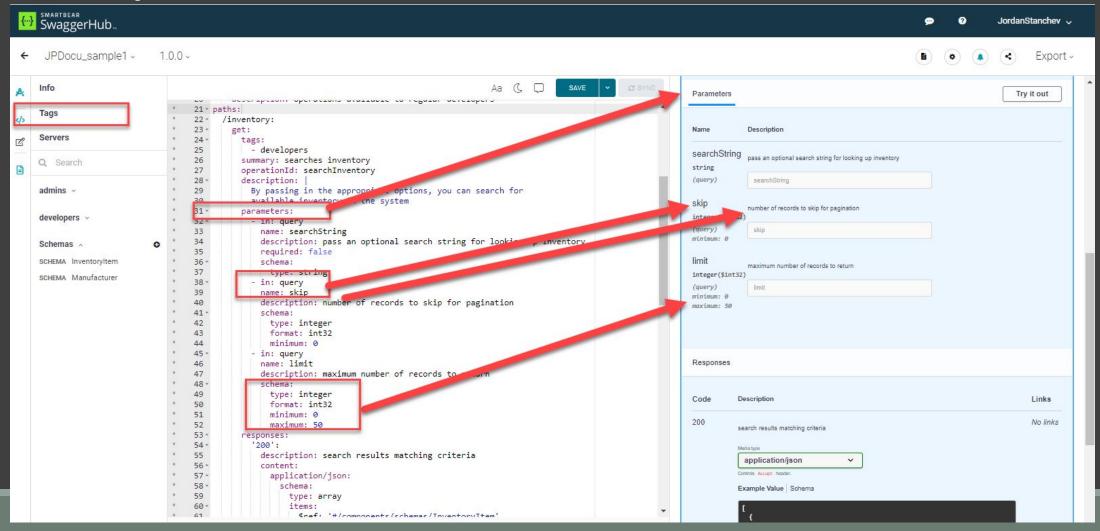
Demo

Step 5: Document the API Parameters

- 1. Define which are the *parameters* of the API requests.
- 2. Define how the parameter is received.
- 3. Define the parameter name and its description.
- 5. Define if the parameter is mandatory (required: true) or optional (required: false).
- 6. Define additional parameter properties, as required.

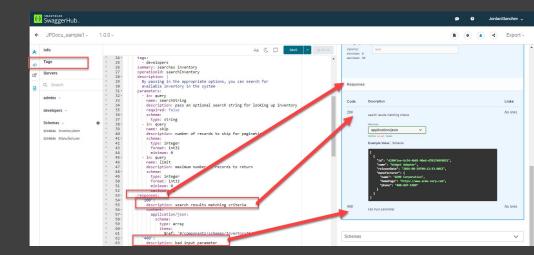


Sample Parameters

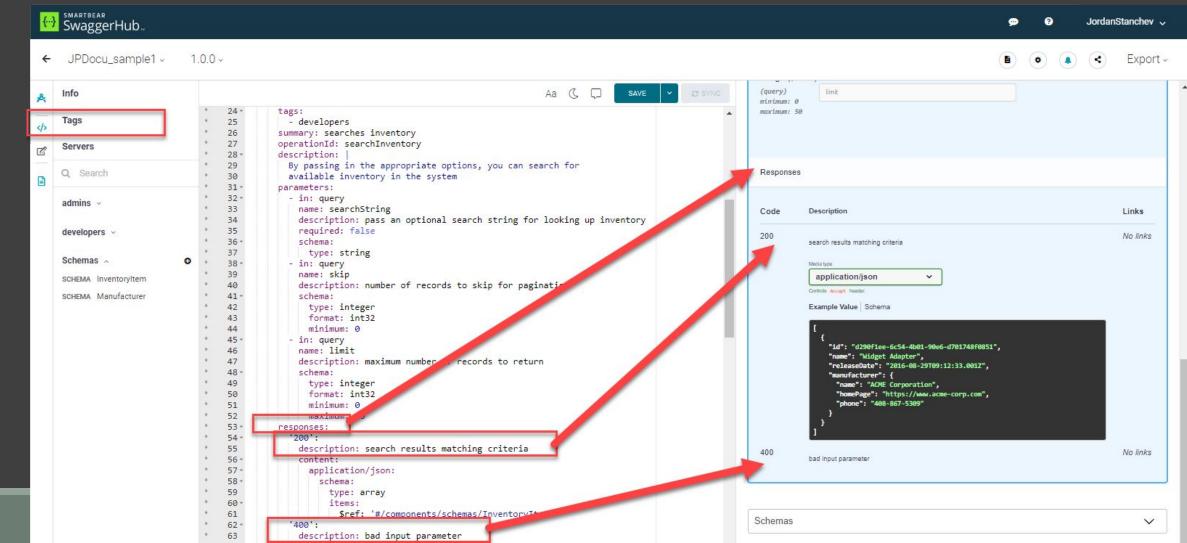


Step 6: Document the API Responses

- 1. Define which are the responses that your API returns.
- 2. Define responses codes and error response codes that the API returns.



Sample Response

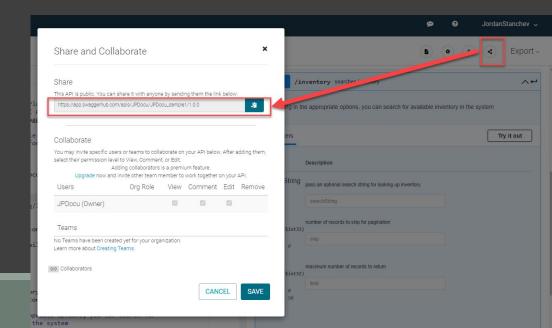


Step 7: Export the API documentation

Congratulations! You have just finished writing your first API documentation! Let's deliver it to the rest of the world!

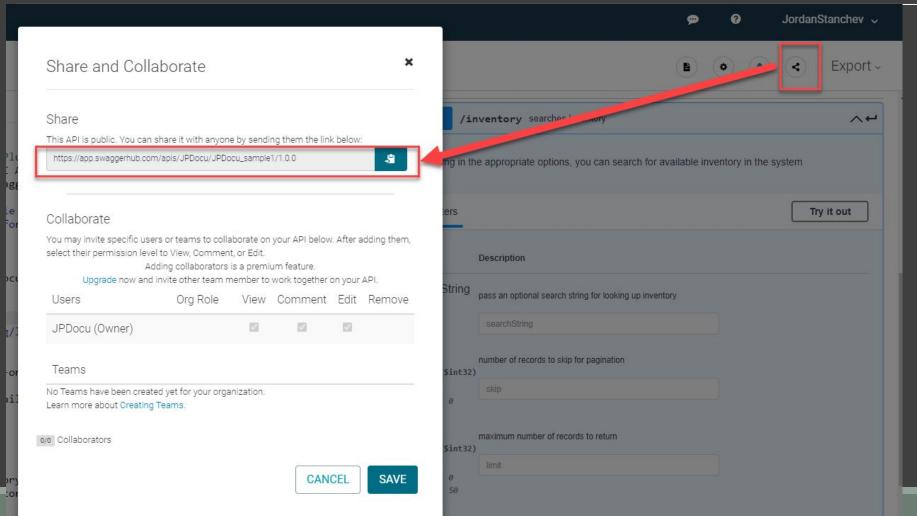
Choose Share and Collaborate button.

This gives you the URL that points to your documentation!



Sample

the system



Thank you!

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- How to Write Software Documentation
- UX and Information Architecture Basics for the Technical Writer
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- Graphics For Software Documentation
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DITA XML Writing for Technical Writers:

- ❖ A Quick Start to Technical Writing with DITA
- Common DITA XML Map and Topic Elements
- How to Write Using DITA XML
- How to Reuse Content in DITA XML
- Linking in DITA XML
- How to Build a DITA XML Technical Writing Portfolio