

API Platform - Training: Marketplace 201 (Transcript)

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Welcome to Marketplace 201! In this session we have multiple demos to help you onboard and navigate the marketplace. We are going to explore the roles available in the marketplace and how you can utilize them to manage your team. We also want to look at how you can upload various documentation and setup test endpoints for your API to help your developers or consumers.

Before onboarding to marketplace, please note that although each account belongs to one user, all APIs and consumer applications will only belong to teams. In addition, API provider team and consumer team should be separated due to the following reasons:

- If multiple consumers for an API is in the provider team of that API, they will be able to see each other's application key.
- We will end up having too many members in the team.
- Consumers should not have provider dashboard access to the API they are consuming, these settings are irrelevant for consumption and might add confusion.

API team onboarding

For API provider team, onboarding should happen before publishing API specification from Swaggerhub since these team will be the owner of APIs they create. Before we get to the onboarding process, there are two roles that the team should be aware of: team member and team administrator.

Both roles are capable of creating and editing APIs under the team; however, only the team administrator can invite others to join the team.

A typical API team onboarding would look like this:

- Team sends the onboarding request to API.Platform.Support@sunlife.com, specify that they wish to onboard marketplace as an API provider team.
- The organization administrator creates a team in SunLife organization for the onboarding team
- The organization administrator invites at least one team administrator into the created team
- Team administrator then invites other people, either team administrators or team members

API onboarding

[Shows this [diagram](#)]

As for onboarding a new API, the diagram here shows clearly the entire process. Usually before the development of an API, you should first search through the marketplace to see if there's anything reusable. If not, then you can start a new API in Swaggerhub. Once the API is published in Swaggerhub, our integration service will automatically onboard the API to marketplace in a private state while also generate necessary code skeleton into your Bitbucket repo. From this point on, you can manage the documentation on marketplace for your API and continue with development work.

Consumer team onboarding

For consumer team, the onboarding process is almost identical to the API provider team. Similar to API provider team, the consumer team also have two roles: consumer and team administrator. While team administrator can create application and view application key, the consumer can only view key. Although the team administrator can also create API, but this is due to lack of more granular access control currently in the marketplace. Member of a consumer team should not create an API; if they want to onboard an API they will have to go through the API provider team onboarding process

A typical consumer team onboarding would look like this:

- Team sends the onboarding request to API.Platform.Support@sunlife.com, specify that they wish to onboard marketplace as a consumer team.

- The organization administrator creates a team in SunLife organization for the onboarding team
- The organization administrator invites at least one team administrator into the created team
- Team administrator then invites other people, either team administrators or consumers

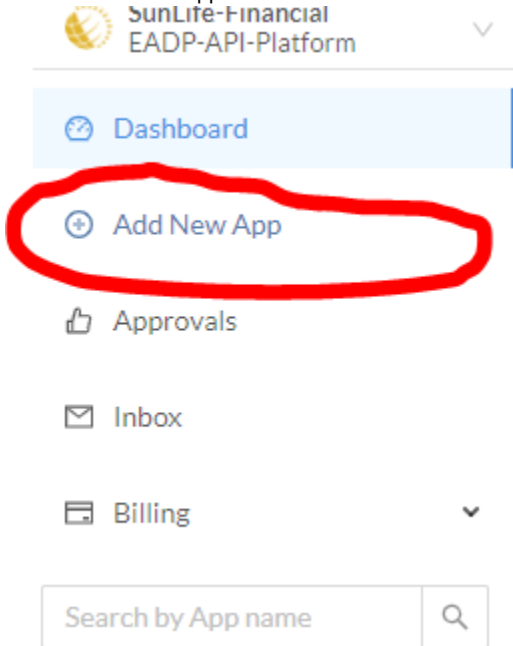
Consumer App onboarding

[Shows this [diagram](#)]

As the diagram here shows, the beginning of app onboarding also starts with discovery in the marketplace. Once you found the API for consumption, you can create a new application by going to My Apps



Then create a new application



This would allow you to test endpoints, which we will go through in the next topic, to see if it's good enough. If it is, you can utilize the features in marketplace to contact the API provider team about SunLife internal onboarding.

How to test API endpoints using the Marketplace?

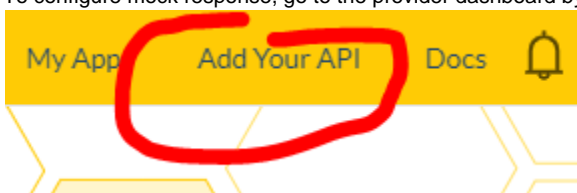
Now that you have your team setup and an API has been published from Swaggerhub to the marketplace, it's time to test the API's endpoint.

Demo: Test endpoint

[start demo]

For API providers, if your API is already deployed and the server URLs are specified in the OpenAPI specification, you can let the consumers test against it to get real response. Otherwise, if your API is not quite ready for testing you can set up mock response for the consumer to prepare integration.


To configure mock response, go to the provider dashboard by click on My APIs



Select the team that owns the API that you will set up mock response




Marketplace Management
Marketplace Management-Defa



Personal Account
Q878




SunLife-Financial
EADP-API-Platform



SunLife-Financial
Canada-ISS-ISL-Services-Team



SunLife-Financial
Canada-ISS-ISL-Services-Consu




Marketplace Management
Marketplace Management-Def





Create New Organization

Select the API that you wish to configure




My APIs


Platform Management 




Configuration




Definition




Analytics



Alerts

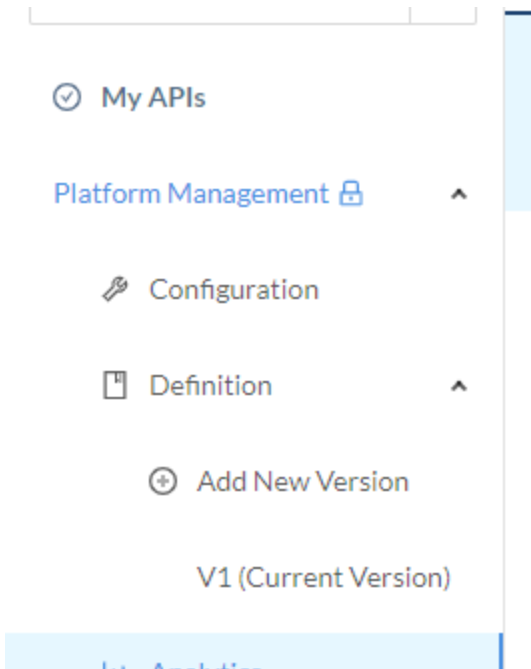


Users

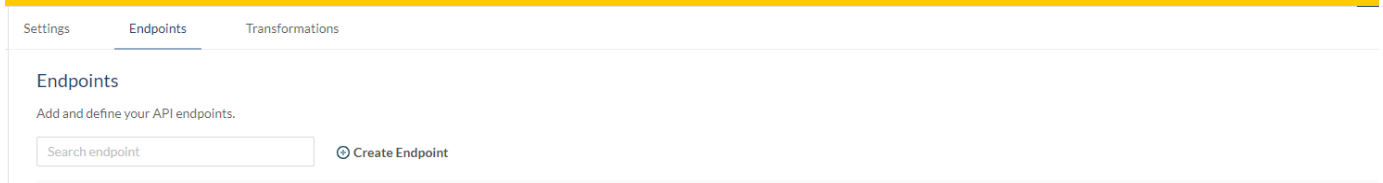


Support

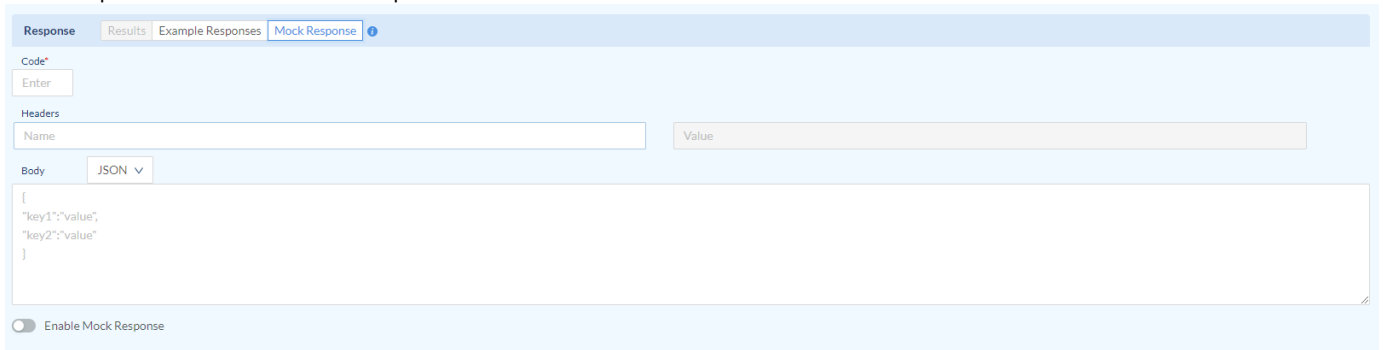
Under Definition, select the version that has been labelled as the Current Version



Click on the Endpoint tab, then click on edit for the endpoint you want to make mock response



In the Response section select Mock Response



Here we can enable the mock response feature by toggle the switch at the bottom. Then we can specify the mock response in the text field provided.

Please note that response will be highlighted as mock response to the consumer that tests the endpoints on marketplace.

For consumer team, once they find the API they want to test, they can directly do so in the browser. As an example, here we have the platform management API, on the left panel we can see a list of endpoints available for testing.

Search endpoints

<

> ORGANIZATIONS

> ORGANIZATIONS (ADMIN)

> TEAMS

> USERS (ADMIN)

> ME

> APIS

> API DEVELOPERS

> API VERSION ENDPOINT

> API DOCS

> API TAGS

Select the endpoint you want to test, and note that for some API testing the endpoint would require submitting a request to the API team for approval

If this is the first time testing you test a particular API, the in the middle panel will say Subscribe or Request Access.



Platform Management API Documentation

API to manage application

[Learn more about this API >](#)

POST Create Organization

[Request Access](#)

Crate a new Organization in your account



Marketplace Management
Marketplace Management-Default



Once we click on the Subscribe button, we will be redirect to choose a plan for the API. For some APIs, different plans might implies differences in features. For example, a basic plan might only allow your teams to access a limited number of endpoints.

Once subscribed, we can see that the button has changed to Test Endpoint.

[is API >](#)



Test Endpoint

ct number



default-application_7



Under the endpoint name, we can see the context selected for testing the endpoint. This would be the consumer team that you are enrolled to consume this API.

We can then scroll down fill the relevant parameters and click on Test Endpoint once ready.

The response or mock response will display on the right panel along with code snippets for various languages if you prefer to test the endpoints differently.

[end demo]

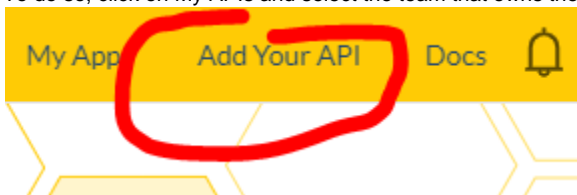
How to browse API documentation and common API patterns, guides?

Besides allowing test of endpoints directly through browser, another important aspect of marketplace is the hosting of various documentations. As previously mentioned in the 101 session, we can upload README file for onboarded API

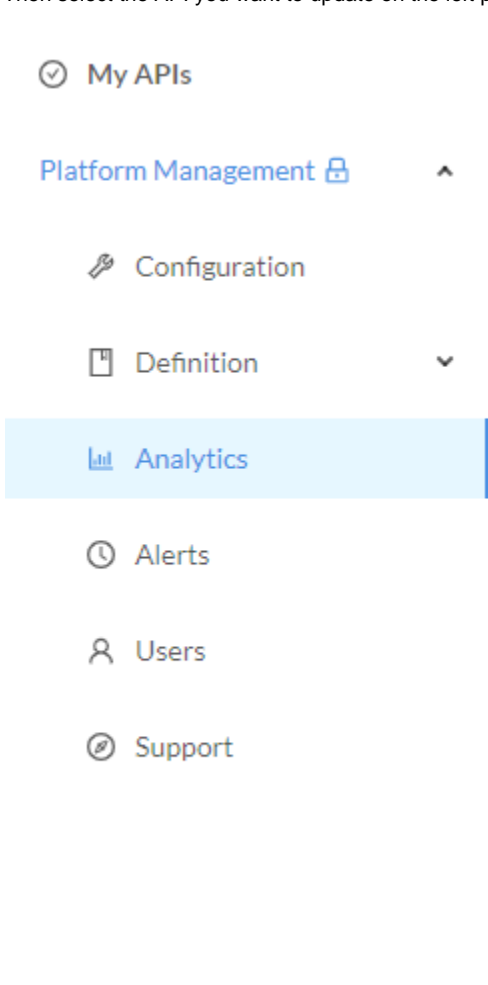
Demo: Upload README

[start demo]

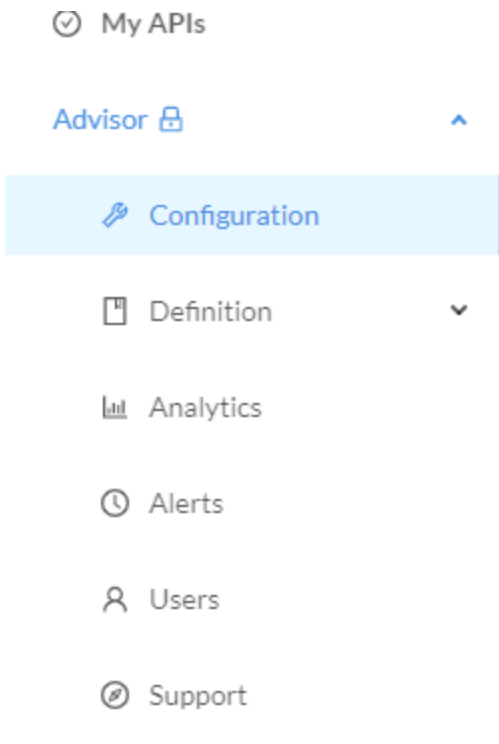
To do so, click on My APIs and select the team that owns the API you wish to update via the drop down menu near the top left corner



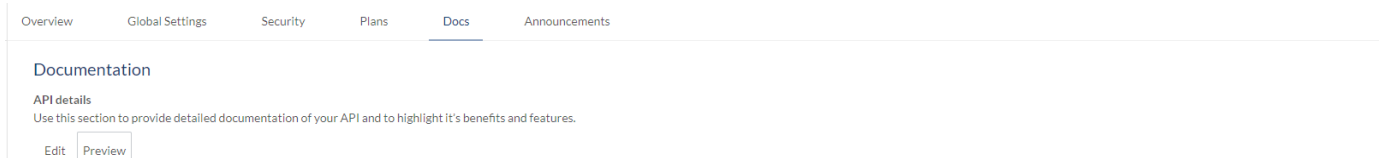
Then select the API you want to update on the left panel



Click on configuration



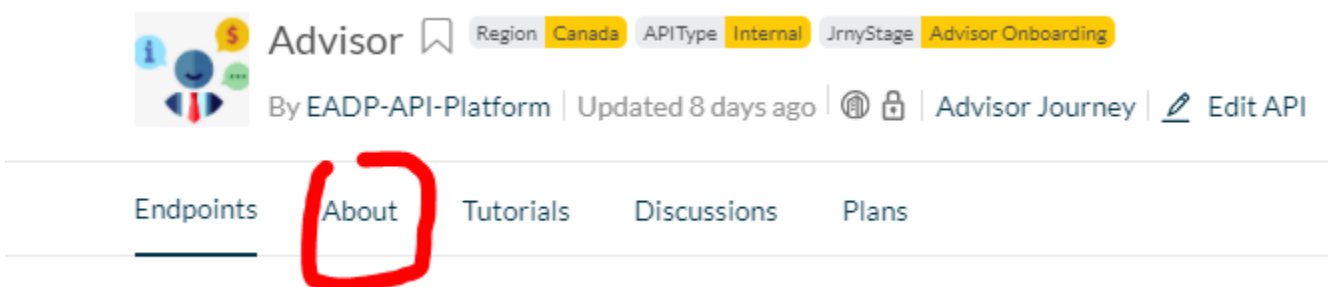
Click on Docs



Under Documentation, we can click Edit and copy paste the content of README file into the text box. Please note that insertion of an image link behind SunLife firewall won't render properly as the marketplace is hosted outside of SunLife network. An alternative method to include diagram is simply place the link to the image in text format.

Once the document has been added, the consumer team will be able to view it.

For consumer team, they will need to the marketplace view page for the API and click on the About tab.



If we scroll down, we can see that the API has a README section which contains the document provided by the owner team of the API. Click on More to expand

README

Sunlife Client Address API Documentation

Business owner

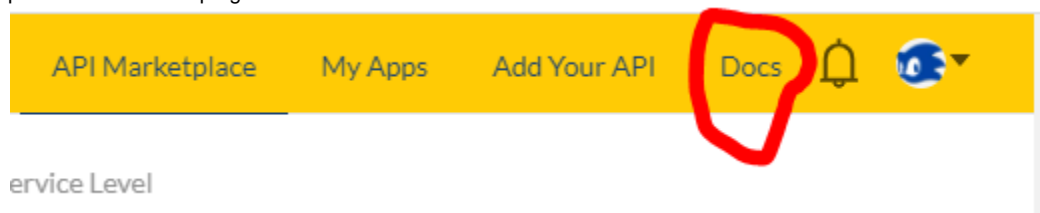
ISS Team | carl.luoma@sunlife.com

[More...](#)

[Rate This API](#)

[+ Add First Rating](#)

For more documentation about common API patterns or detailed guides for marketplace, we can click on the Docs hyperlink right beside your profile icon on the top right.



Service Level

This will open a new tab to API platform team's Confluence page, where all guides are being actively maintained. Should you need assistance for accessing the page, please contact us via API.Platform.Support@sunlife.com

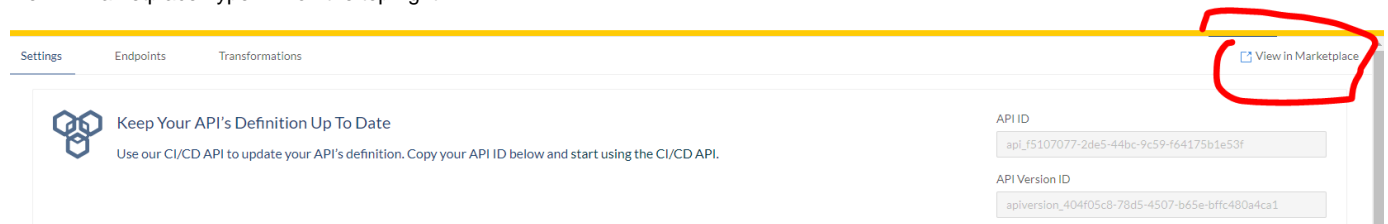
[end demo]

How to upload tutorials, spotlights for API?

In addition, API providers can also upload additional document in the marketplace view of their API. By marketplace view we mean the corresponding page for an API when displayed in the marketplace instead of the provider dashboard.

Demo: Upload spotlights, tutorials

You can also access this page through the provider dashboard by select the API and click on the current version under Definition and click on the View in Marketplace hyperlink on the top right



Conversely, you can go back to dashboard view by click on the Edit API hyperlink under the name of the API



Advisor

Region

Canada

APIType

Internal

JrnyStage

Advisor Onboarding

By EADP-API-Platform

Updated 8 days ago



Advisor Journey



Edit API

Now that we are in the marketplace view, let's first try to upload a spotlight. A spotlight is a document that contains the highlight moment of your API, for example, this could be a PDF report on the usage of the API to demonstrate its popularity or availability.

To upload, we would click on the About tab and click on the Add Spotlight under Spotlights section

Endpoints

About

Tutorials

Discussions

Plans

Test Endpoints

Advisor Overview

Search service and commission advisors



SunLife-Financial
EADP-API-Platform

API Followers

Follow This API

Resources

Terms of Service

Spotlights



Nothing Here Yet

Add Spotlights to better showcase your API with success stories and links to exclusive content

Add Spotlight

Here we can either provide a link to webpage that hosts your document or we can upload a PDF file. Note that as of now the marketplace only supports PDF for spotlight.

Add Spotlight

Link to Webpage

Upload File

Link to Webpage

Title (max 80 characters)

Short description (max 160 characters)

Publish:

☐

Save

Once we have filled the corresponding information we can save and publish the spotlight and it will become available for everyone to see.

As you might have noticed, we can also upload tutorials in markdown format for the API. Again in the marketplace view of API, click the Tutorials tab.

Advisor

Region: Canada | APIType: Internal | JrmStage: Advisor Onboarding

By EADP-API-Platform | Updated 8 days ago | Advisor Journey | Edit API

Popularity

Latency

Service Level

- / 10

-

-

Endpoints

About

Tutorials

Discussions

Plans

Test Endpoints

Tutorials

Add New Tutorial

!

In the redirected page, click on Add New Tutorial; here we can provide the title, cover image and the content of the tutorial in markdown format.

Tutorials

[< Back to all tutorials](#)

Title

Cover Image URL (Optional)

Tutorial

A table of contents will be generated from any H1 headings used.

[Edit](#) [Preview](#)

Save as draft

[Cancel](#)

[Publish](#)

Tutorials are private when created, it is until the owner toggles the Public button that the tutorial will be available for everyone to see.

Navigate to SunLife API design tooling: Swaggerhub

Besides all the documentations, we also provide quick links at the bottom of the page if you want to navigate between the marketplace and Swaggerhub. If we scroll all the way to the footer of the page we can see the small green icon for Swaggerhub. Upon clicking on it a new tab will be open and it redirects to the SunLife Swaggerhub organization

That wraps up marketplace 201 session, please send any feedback or question to our support mailbox at

API.Platform.Support@sunlife.com. Thank you!