

Publishing APIs : Publish documentation

Duration : 15 mins

Persona : API Team

Use case

You have an API Proxy that you would like to share with App Developers. You want to enable developers to learn about, register for, and begin using your API Proxy.

How can Apigee Edge help?

Apigee Edge provides multiple options for your Developer Portal. There is a lightweight portal that supports branding and customization of much of the site, such as theme, logos, and page content. The lightweight portal can be published in seconds, directly from the management UI. We also provide a Drupal-based portal if you want full control and to leverage any of the hundreds of Drupal modules available in the Drupal Market. This lab focuses on the lightweight Apigee Developer Portal.

In this lab, you will create a Developer Portal and publish an OpenAPI specification that can be used by developers.

Pre-requisites

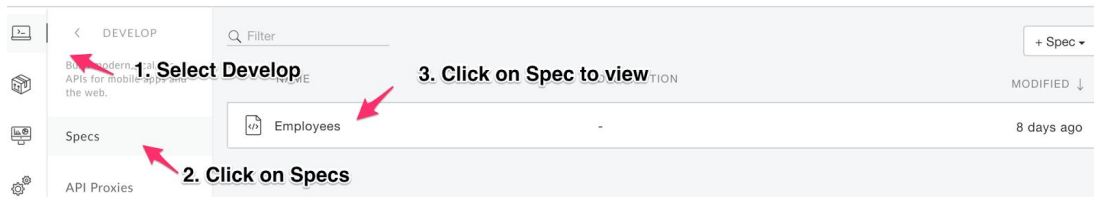
For this lab, you will need...

- An OpenAPI specification uploaded to your Organization. This specification will make up the documentation of your API Proxy. If you do not have an OpenAPI Specification available for this lab, revisit the lab “API Design : Create a Reverse Proxy with OpenAPI Specification” and then return here to complete these steps.
- An API Product that contains the API Proxy related to the above OpenAPI Specification. If you have not created an API Product, revisit the lab “API Security: Securing APIs with API Keys” and then return here to complete these steps.

Instructions

Review your OpenAPI Specification

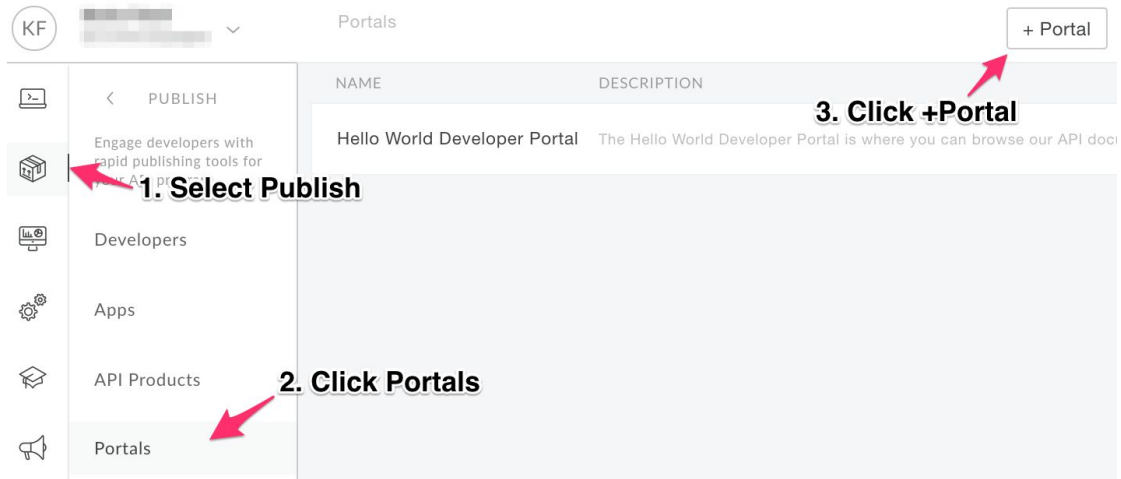
- Go to <https://apigee.com/edge> and log in. This is the Edge management UI
- Select **Develop** → **Specs**



- Review the OpenAPI Specification in the Swagger Editor.

Publish a new Portal on Apigee Edge

- Select **Publish** → **Portals** → **+Portal**

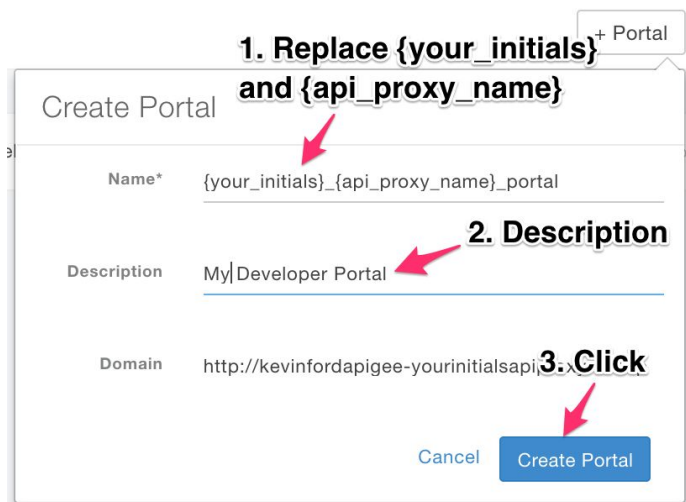


- Enter details in the portal creation wizard. Replace **{your-initials}** with the initials of your name and replace **{api_proxy_name}** with the name of the proxy.

Name: **{your_initials}_{api_proxy_name}_portal**

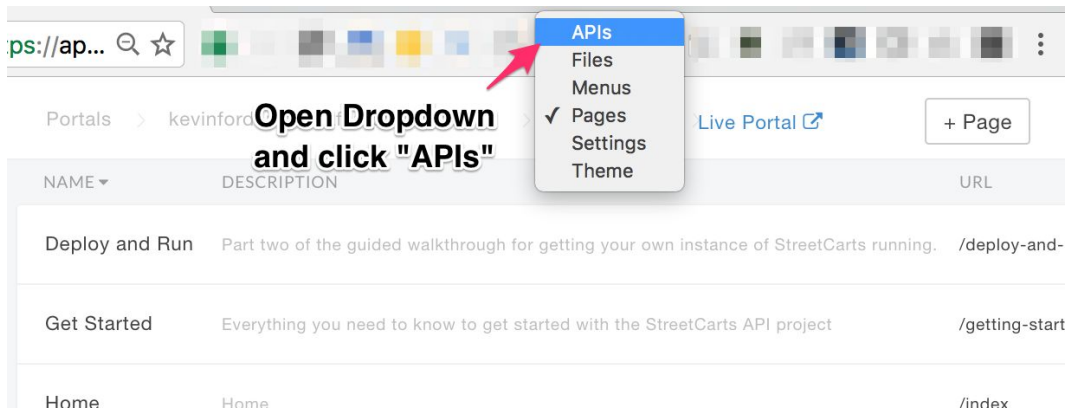
Description: Enter a brief description

Click “Create Portal”

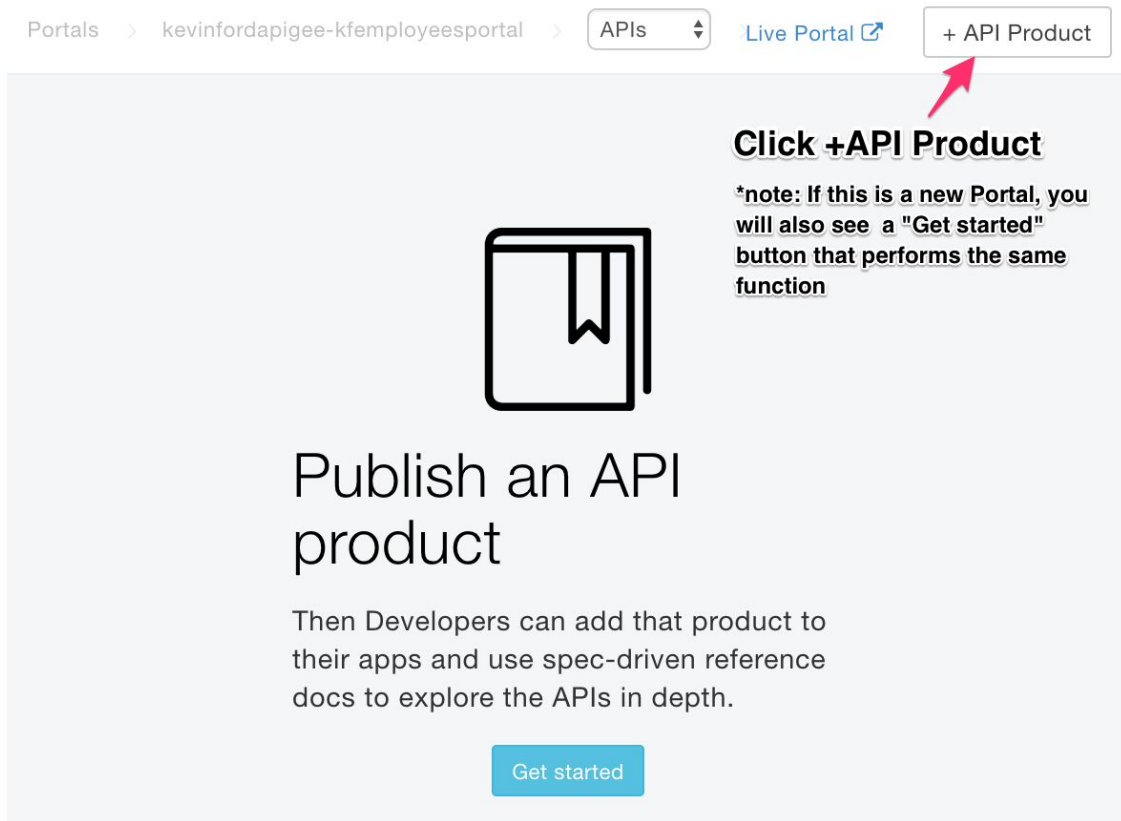


Publish an API Product to the Portal

- Click the Portal Editor’s dropdown and select **APIs** from the list of sections



- Click **+API Product** to select an API Product to publish to the Portal



- Select the API Product to publish

Add API Product to Portal API PRODUCT SPEC SNAPSHOT REVIEW

Choose an API product to add:

SELECT	API PRODUCT NAME	DESCRIPTION	APPROVAL TYPE
<input checked="" type="radio"/>	kf_hw_product		auto
<input type="radio"/>	helloworld	helloworld product for Apigee	auto

1. Select API Product

2. Click "Add Spec Snapshot"

Exit Without Saving Add Spec Snapshot >

- Choose a Snapshot Source. A Snapshot represents a version of the OpenAPI Specification at a particular point in time. The Source is the OpenAPI Specification used to generate the Snapshot. Because the specification might change over time, you take snapshots so that your Portal will reflect the version of the specification that is published, which may differ from the version under current development. Read [this document](#) to better understand snapshots.

Add API Product to Portal API PRODUCT SPEC SNAPSHOT REVIEW

Spec Snapshot

1. Select

2. Click

3. Click

Choose Snapshot Source

(No specs)

Choose a different spec...

Enabled (Available to developers)

Exit Without Saving < Previous Review >

- Select OpenAPI Specification from which to create a Snapshot

The screenshot shows a web interface with a header containing 'My Specs', 'Upload file', and 'Import from a URL'. Below the header, there is a table with two columns: 'NAME' and 'LAST ACCESSED ↓'. The table contains one entry: 'Employees' with a last accessed time of '09 Jan 2017, 19:19'. A red arrow points to the 'Employees' entry with the text '1. Select your uploaded OpenAPI Specification'. Another red arrow points to the 'Upload file' link with the text '* Alternatively'. At the bottom right, there are two buttons: 'Cancel' and 'Select'. A red arrow points to the 'Select' button with the text '2. Click'.

My Specs Upload file Import from a URL

My Specs * Alternatively

NAME	LAST ACCESSED ↓
Employees	09 Jan 2017, 19:19

1. Select your uploaded OpenAPI Specification

2. Click

Cancel Select

- Click **Review** to review selections made prior to creating Snapshot

The screenshot shows a web interface with a header containing 'Add API Product to Portal', 'API PRODUCT', 'SPEC SNAPSHOT', and 'REVIEW'. Below the header, there is a section titled 'Spec Snapshot'. Under 'Snapshot Source', there is a radio button selected for 'Employees' and another for 'No Snapshot (you can add one later)'. A red arrow points to the 'Employees' radio button with the text '*note OpenAPI Specification Snapshot Source'. Under 'Visibility', there is a checkbox checked for 'Enabled (Available to developers)'. At the bottom, there are three buttons: 'Exit Without Saving', '< Previous', and 'Review >'. A red arrow points to the 'Review >' button with the text 'Click Review'.

Add API Product to Portal API PRODUCT SPEC SNAPSHOT REVIEW

Spec Snapshot

Snapshot Source

☒ Employees ☐ No Snapshot (you can add one later)

Visibility

☒ Enabled (Available to developers)

Exit Without Saving < Previous Review >

Click Review

- Review selections and click **Save** to publish the API product (and OpenAPI Specification Snapshot) to the Developer Portal

Add API Product to Portal
API PRODUCT
SPEC SNAPSHOT
REVIEW

Review

API Product

Product: kf_hw_product

Snapshot Source

Source: Employees

Visibility

Enabled (Available to developers)

} Review Details

Click

Exit Without Saving
< Previous
Save & Complete

- You should now see your new API Product published to the portal.
- Click the “Live Portal” link to launch a browser tab/window with the new Developer Portal

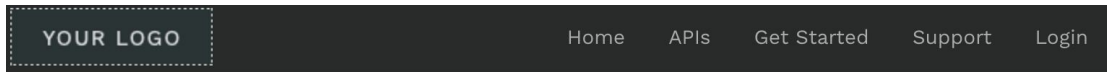
See API Product Published to Portal

Click

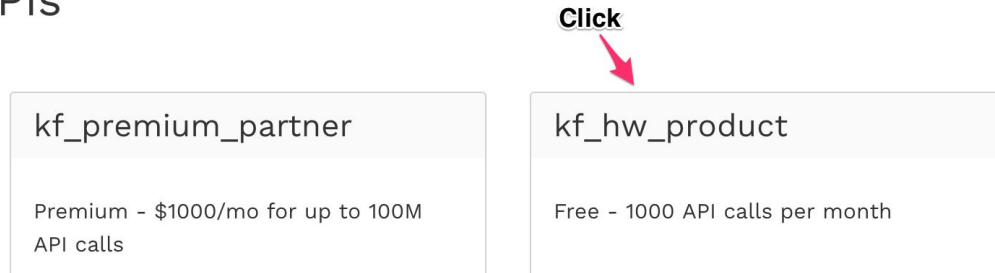
igee-kfemployeesportal > APIs > Live Portal > + API Product

API	DESCRIPTION	VISIBILITY	SPEC SOURCE	SPEC SNAPSHOT AGE
kf_hw_product		Enabled (Available to developers)	Employees	5 HOURS AGO

- In the Portal UI, click “APIs” to view the products that have been published. For demonstrative purposes, the screenshot includes multiple products. Products are used to bundle APIs together so that a developer can request access to a set of related functionality without registering for each API. They are also useful for managing access to, and quotas for, particular developers. For more on API Products, [read this document](#).



APIs



- The Portal will display the OpenAPI Specification (Swagger UI) for browsing the APIs included in the product. The view below contains two collapsed operations and one expanded to show the details of the operation. Depending on the method, you'd expect to see model details, response codes, etc., as per the [OpenAPI Specification](#).

Employees API

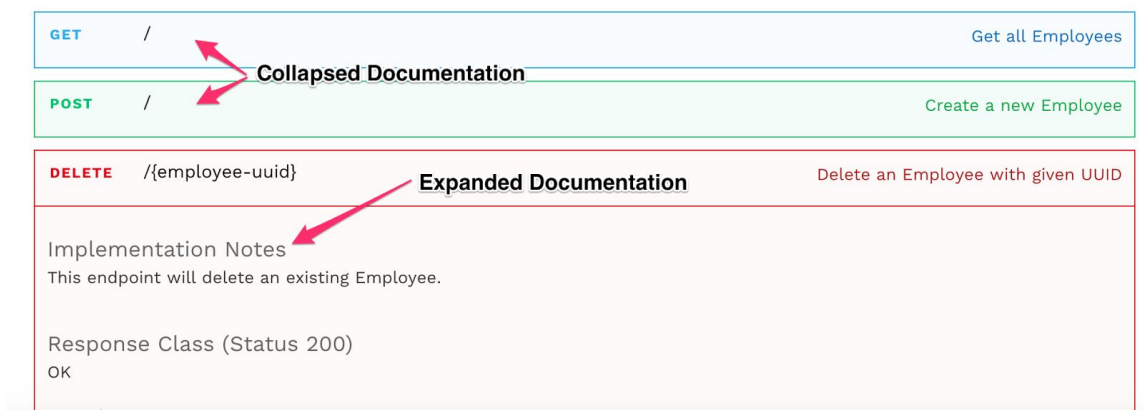
Created by Apigee

[Contact the developer](#)

Apache 2.0

default

Show/Hide | List Operations | Expand Operations



Lab Video

If you would rather watch a video that covers this topic, point your browser [here](#).

Earn Extra-points

Try your hand at managing OpenAPI Snapshots. Modify your OpenAPI Spec and introduce the new changes to your portal, as a new Snapshot.

Add a second product to the portal and test it by launching the Live Portal.

Quiz

1. What are two reasons why you might publish multiple API Products to the Developer Portal?
2. Changes made to OpenAPI Specification are made available in the Developer Portal automatically. True or False?

Summary

You've learned how to do the following;

- Deploy the Apigee Lightweight Developer Portal
- Publish an API Product with an OpenAPI Specification
- Use the Developer Portal UI to browse the OpenApi Specification Snapshot as a developer.

Rate this lab

How did you link this lab? Rate [here](#).