

Practical Exercise: Subscribing to APIs

Training Objective

Learn how to subscribe to the APIs using the Developer Portal.

Business Scenario

After PizzaShack successfully publishes the APIs other partners who would like to use the PizzaShackAPIs as a base can open the Developer Portal and check its contents and subscribe to the API if interested.

High Level Steps

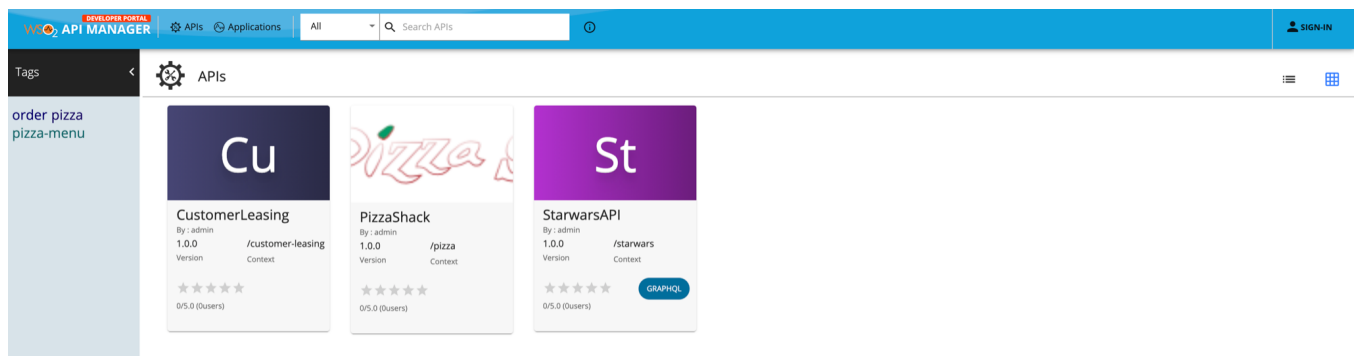
- Browse the Developer Portal
- Define users via self-registration
- Subscribe to APIs

Detailed Instructions

Browse the Developer Portal

1. To view the Developer Portal contents, open the following

URL: <https://localhost:9443/devportal>



When a user connects to the Developer Portal for the first time, they can self-register.

2. Click **SIGN-IN** and then click **Create Account** to add a new user.

WSO₂ API MANAGER

Start Signing Up

Enter your username here

Username

i If you do not specify a tenant domain, you will be registered under super tenant

CancelProceed to Self Register

3. Provide a username and then click **Proceed to Self Register**
4. Fill in the fields as required and click **Submit**.

The **subscriber** role is already defined out of the box, as it is used in the self-registration process.

5. Once the Self Registration is completed, login to the Developer Portal with the above user.

You can search APIs by their name, context, version or by clicking on the tags to the left.

You can also test the API from the API Console. Make sure to subscribe to the APIs to obtain a security token to be able to test the API.

Subscribe to an API

As a consumer, you can subscribe to an API by following these steps:

1. Log in to the Developer Portal using the user created in the above exercise. You can now see additional information for the API, and set ratings and provide comments.
2. Go to **Applications**, click **ADD NEW APPLICATION** and create a PizzaShack application with the following information.

Field	Value
Application Name	PizzaShack
Shared Quota for Application Tokens	Unlimited
Application Description	PizzaShack Application

Create an application

Create an application providing name and quota parameters. Description is optional.
Required fields are marked with an asterisk (*)

Application Name *

PizzaShack

Enter a name to identify the Application. You will be able to pick this application when subscribing to APIs

Shared Quota for Application Tokens *

Unlimited

Assign API request quota per access token. Allocated quota will be shared among all the subscribed APIs of the application.

Application Description

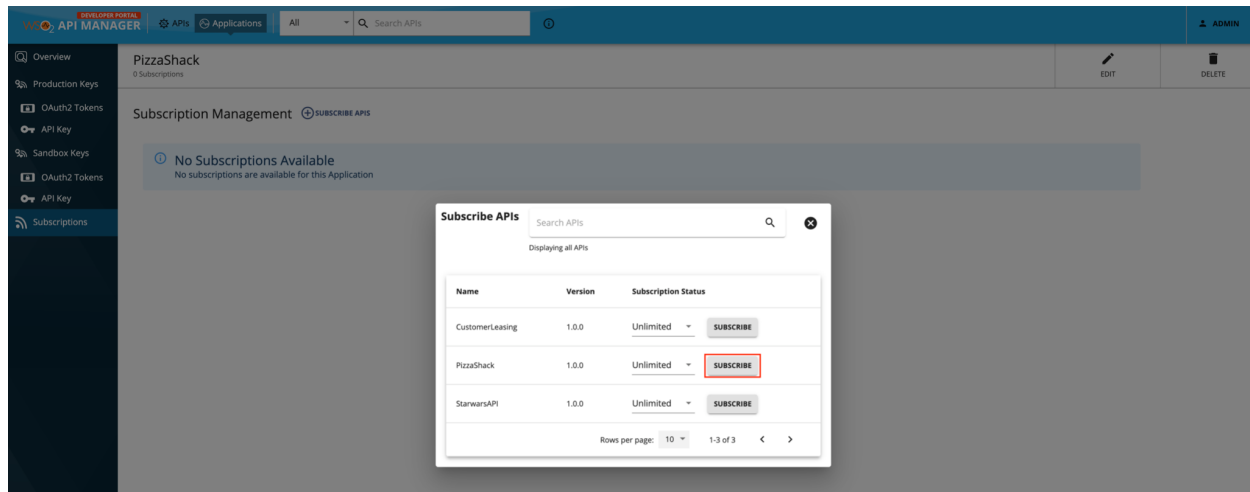
PizzaShack Application

(490) characters remaining

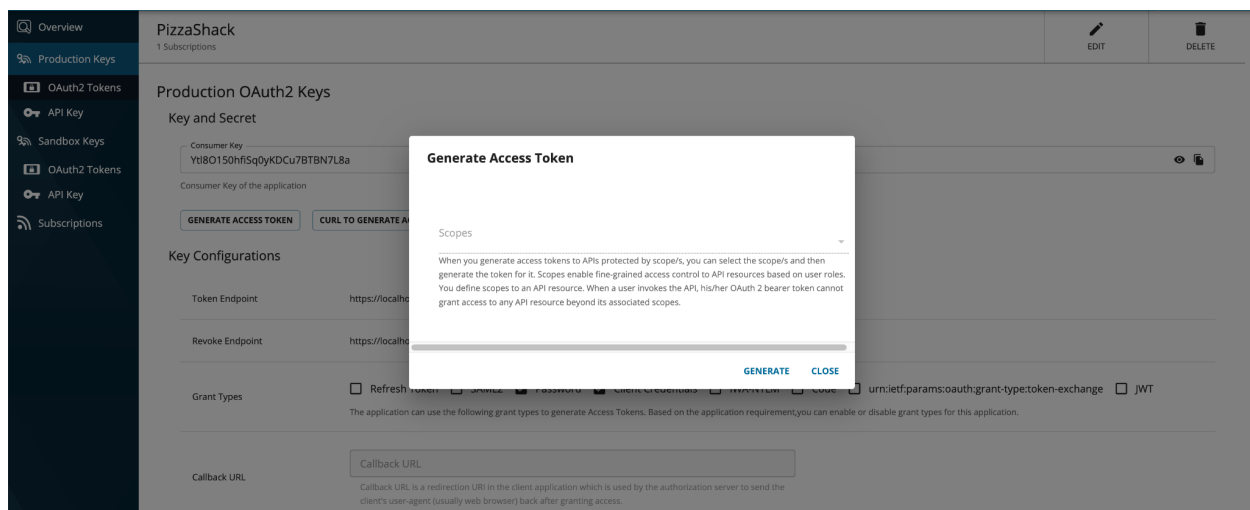
SAVE

CANCEL

3. After the application is created then go to the **Subscriptions** tab and subscribe to the **PizzaShack** API.



4. Then go to the **Production Keys** → **OAuth2 Tokens** tab and click **GENERATE KEYS**.
5. After successfully generating keys for the application, click on the **GENERATE ACCESS TOKEN** button



6. Copy the generated Access Token.

You have now successfully subscribed to the API and can start using it.

Expected Outcome

As a result of this exercise, a user and an application have been created for subscription, the API has been subscribed to, and access tokens have been generated.