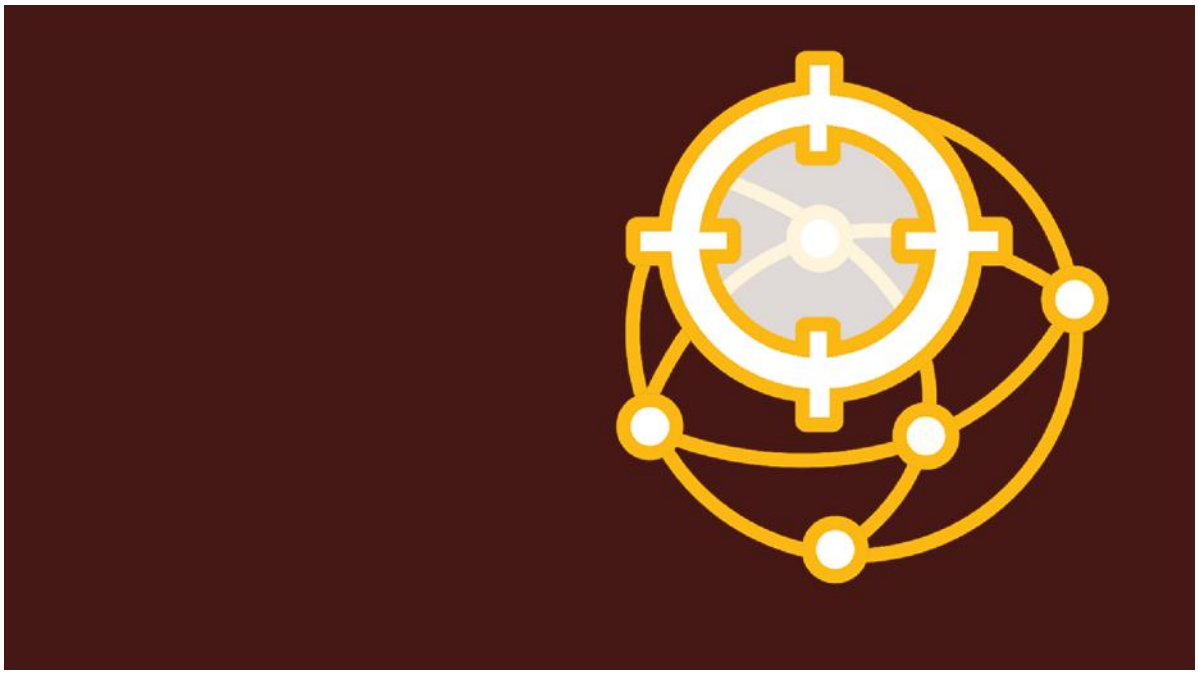
UPS Customer Solutions

ShipExec® UPS® Tracking Adapter

OAuth Migration for ShipExec® Software UPS® Tracking Adapter

2024



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Introduction

The objective of this document is to provide end users with the step-by-step instructions to configure the new authorization methods for UPS tracking adapter settings at the adapter level.

Prerequisites

To setup the new authorization there are three primary setup considerations

1. A UPS.com new user will need to be created.
2. A UPS.com user will need shipper accounts added.
3. Authorize the UPS.com user in ShipExec® software or create a Developer App with Client ID Credentials to enter in ShipExec software.
   Note: The same UPS.com user can be used for both UPS Adapter and the UPS Tracking Adapter.

Overview

The ShipExec UPS Tracking Adapter allows only adapter level authorization for all tracking requests.

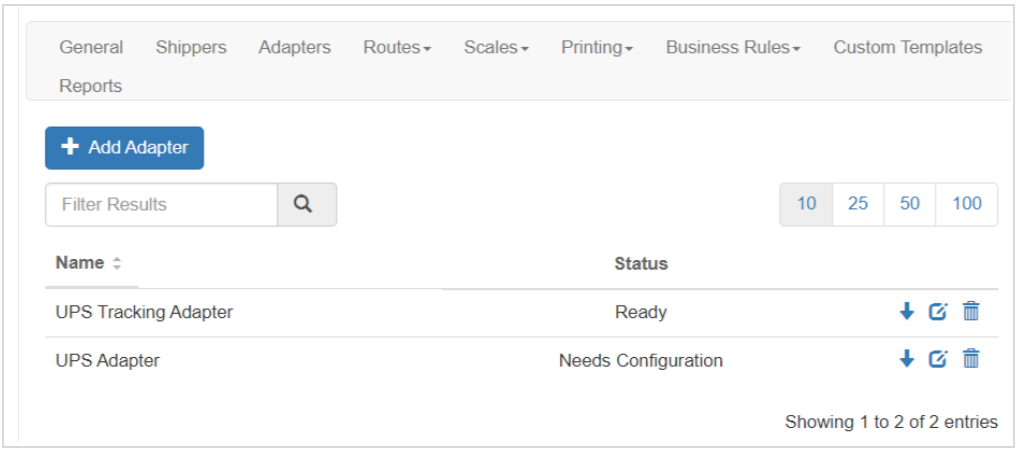
There are four types of authorization are available at the adapter level:

1. **Authorization Code** – requires a UPS.com user with shipper accounts added.
2. **Customer Client Credentials** – requires a UPS.com user with shipper accounts added and a developer application created. (…integrate UPS Technology into my business)
3. **Customer Authorization Code** – requires a UPS.com user with shipper accounts added and a developer application created. (…integrate with UPS technology to represent many users)
4. **Legacy Authentication** – Not using adapter authorization. Prior versions of ShipExec software do not have an adapter authorization.

Step-by-Step Instructions

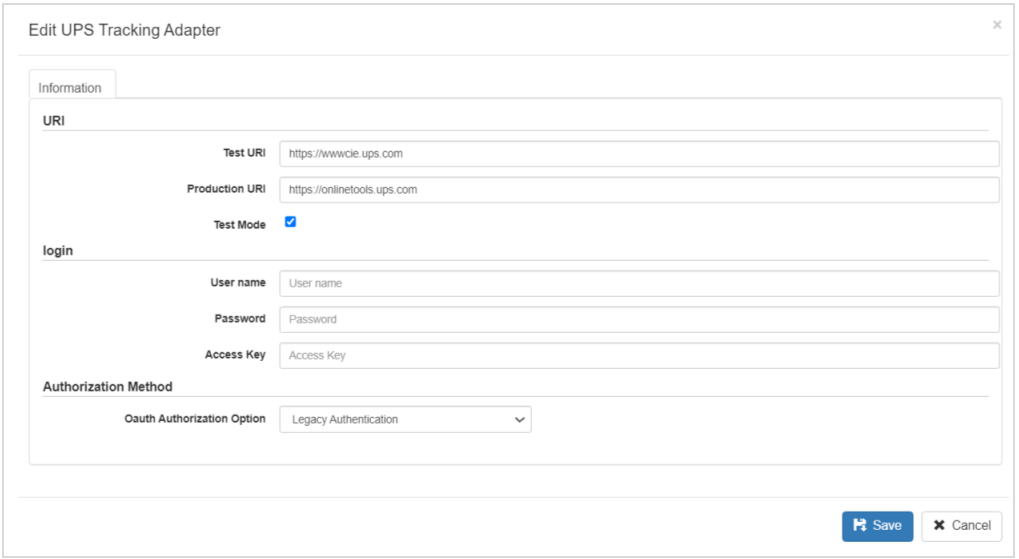
Configuring Authorization Method

1. Log in to ShipExec Management Studio.
2. Click the **Adapters** tab and ensure you have added the UPS tracking adapter already to the list.



3. Click the **Edit Configuration** icon alongside UPS Tracking Adapter.
4. The **URI** section is pre-populated, hence the test and production URIs are pre-defined.

Note: Do not alter the pre-defined URIs for UPS Tracking Adapter.



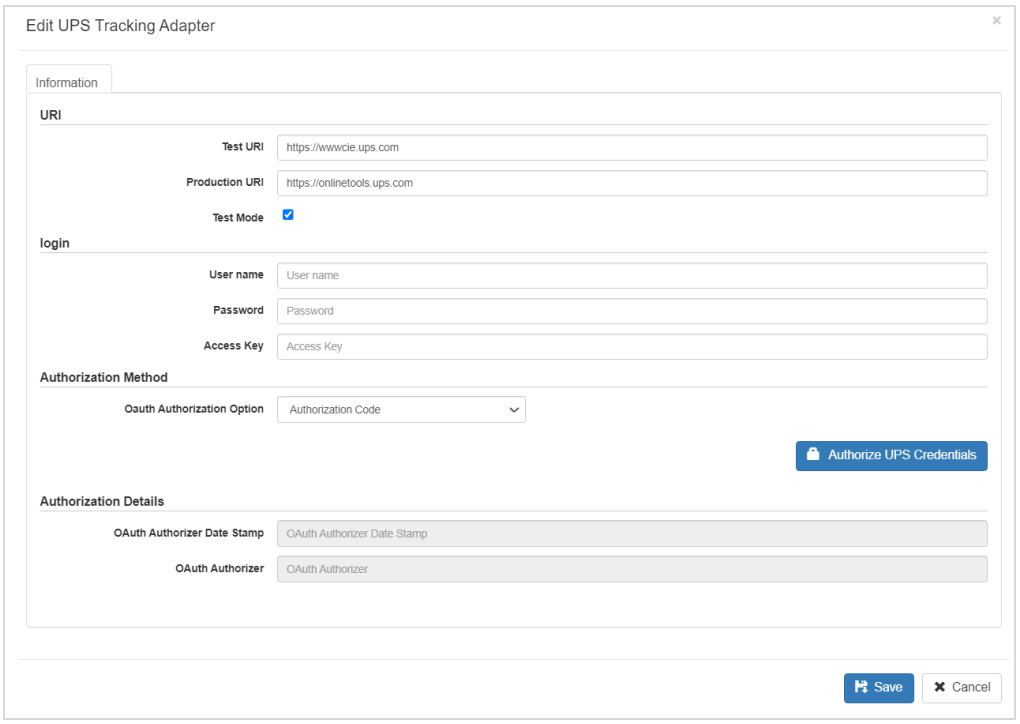
5. Under **Authorization Method**, click the **OAuth Authorization Option** drop-box and select the authorization method of your choice.

6. **Legacy Authentication** is the **default method** selected. Following are the other authorization methods available:
    A. Authorization Code
    B. Customer Client Credentials
    C. Customer Authorization Code

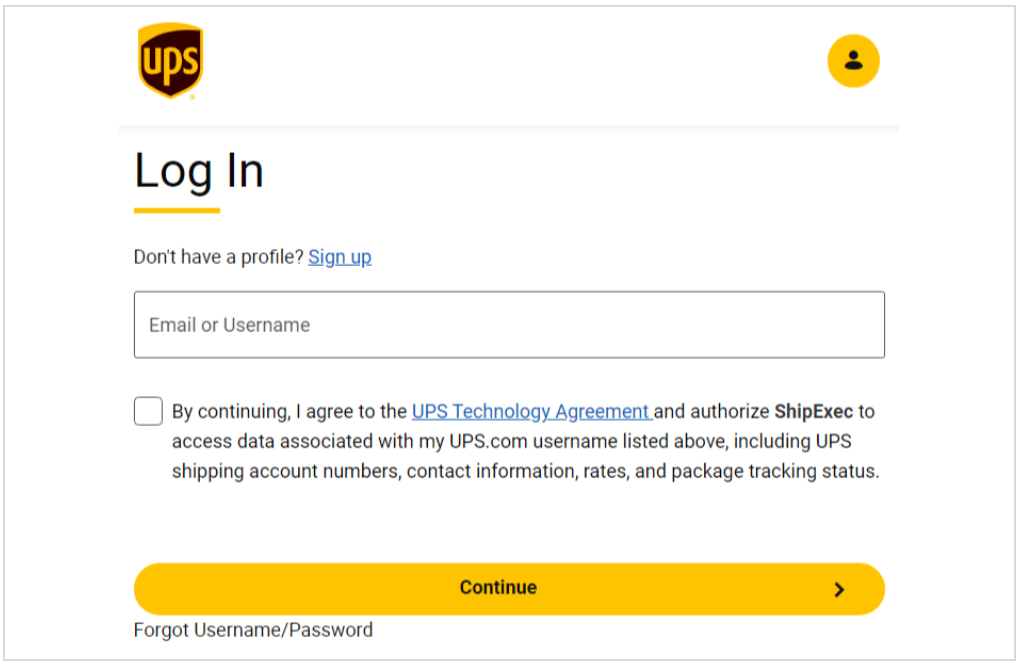
A. Select Authorization Code

Choosing **Authorization Code** will need **UPS Login credentials** to approve it as the authorization method for UPS Tracking Adapter. Post successful verification, an authorization token will be generated for the session.

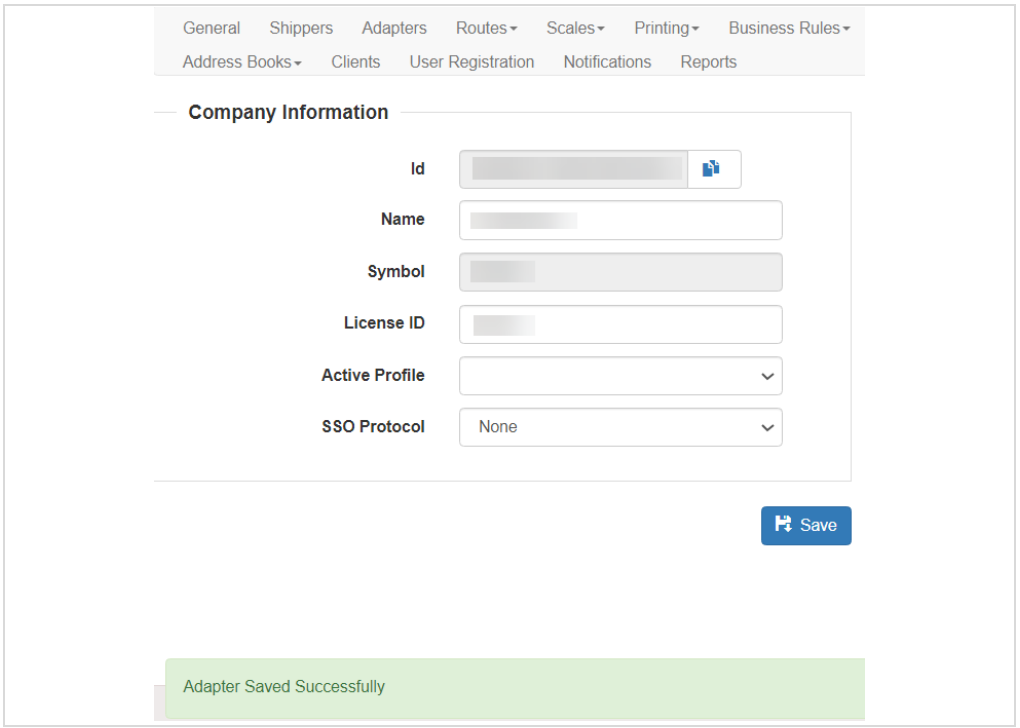
1. Under **the Information** tab, select **Authorization Code** as the authorization method.



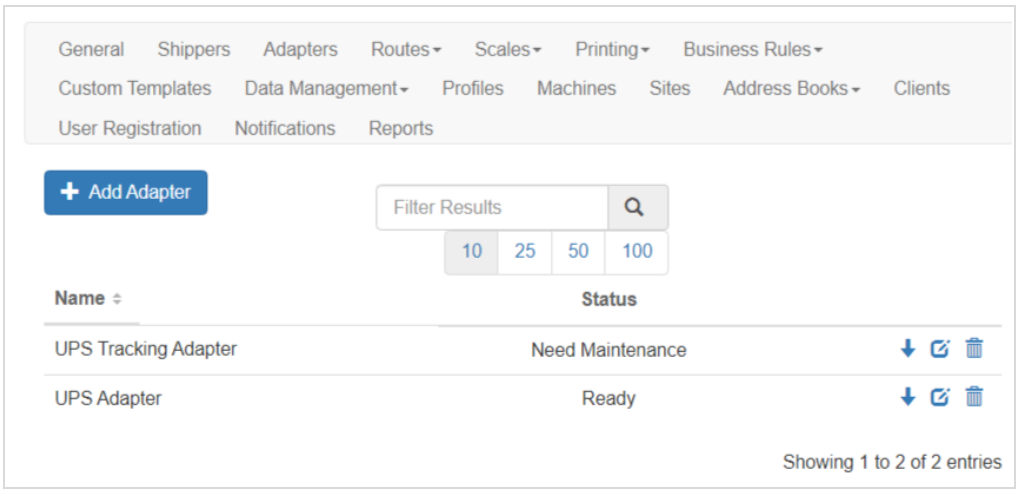
2. Click **Authorize UPS Credentials** and you will be taken to **[UPS Website](#)**, login with your UPS credentials.



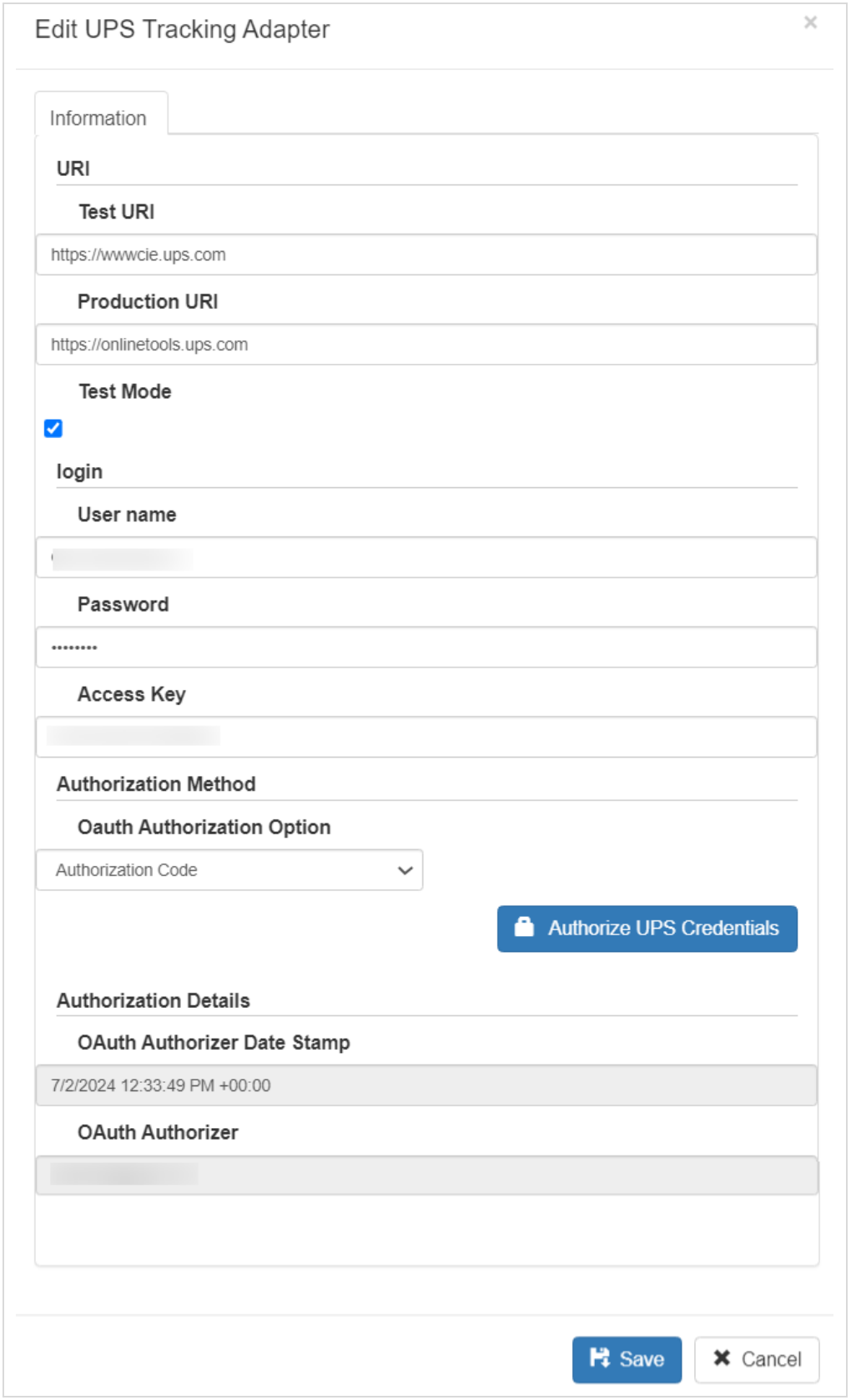
3. On successful authorization, you will get redirected to the Company Information page with the **Success** message.



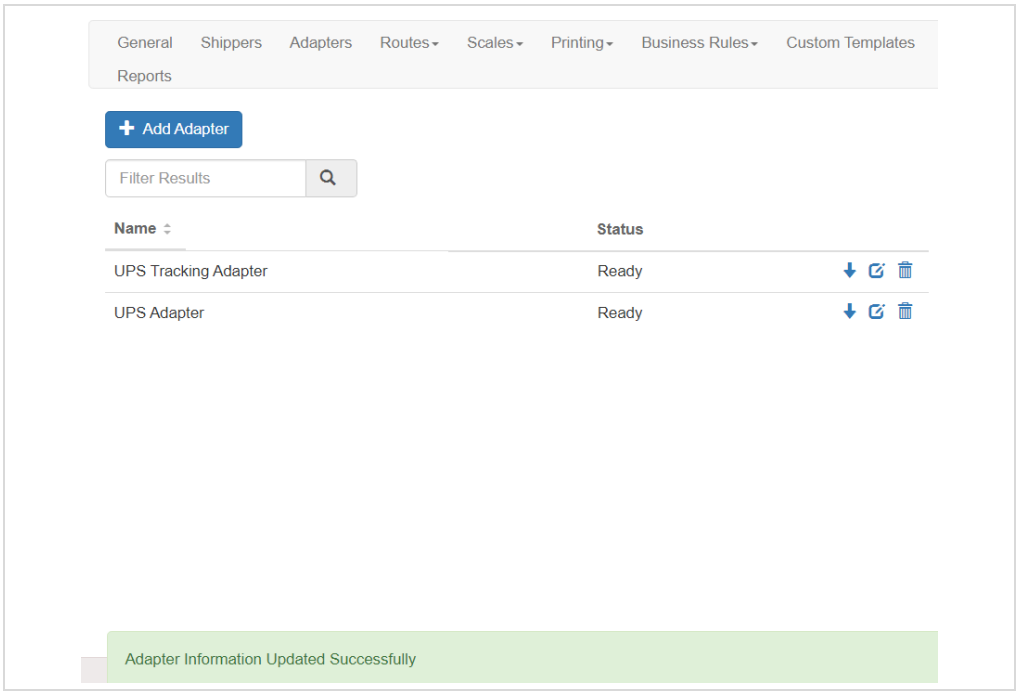
4. After successful authorization, the **Status** of UPS Tracking Adapter will change to **Need Maintenance**.



5. After successful authorization, **the Authorization Details** section will populate with authorizer name (the account name used to generate the token) and date stamp (the UTC time at which the token is generated) details.



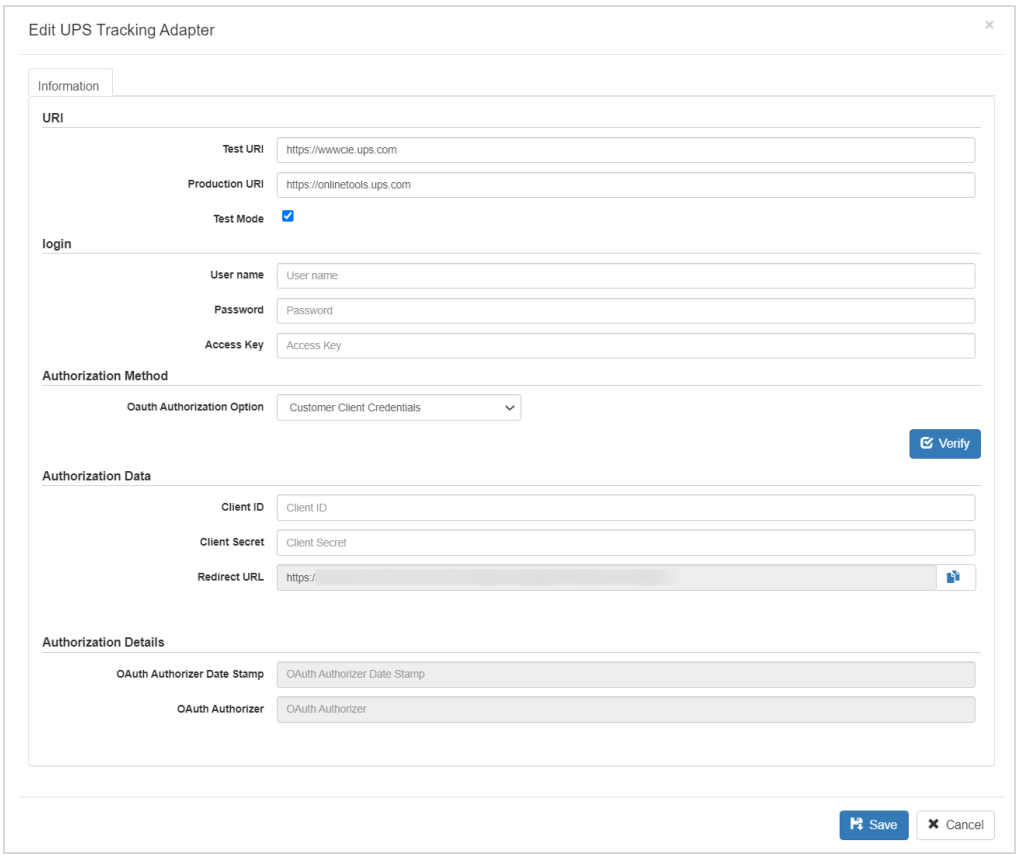
6. Click **Save**.
7. Go to **Adapters** tab and click on the down arrow alongside **UPS Tracking Adapter** for running maintenance, this will update the Adapter Status to **Ready**.
   Note: To update the Adapter Status, there should be at least one shipper mapping in the adapter.



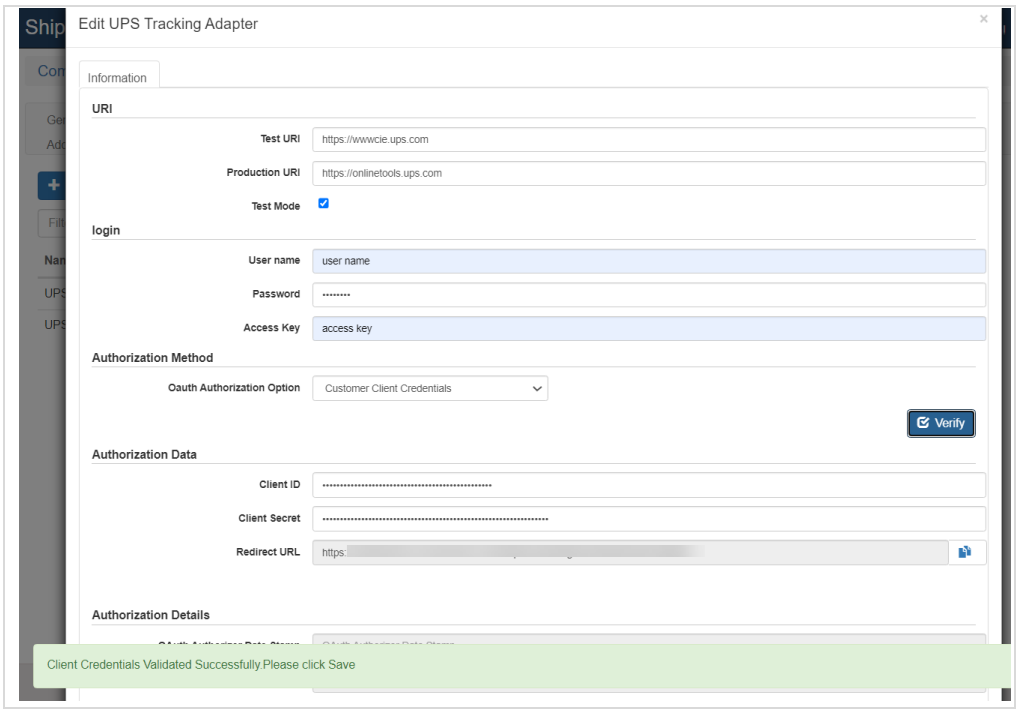
B. Select Customer Client Credentials

Choosing **Customer Client Credentials** will ask for the app-specific client credentials (client ID and client secret) generated at **UPS Developers site**. Post successful verification, an authorization token will be generated for the session.

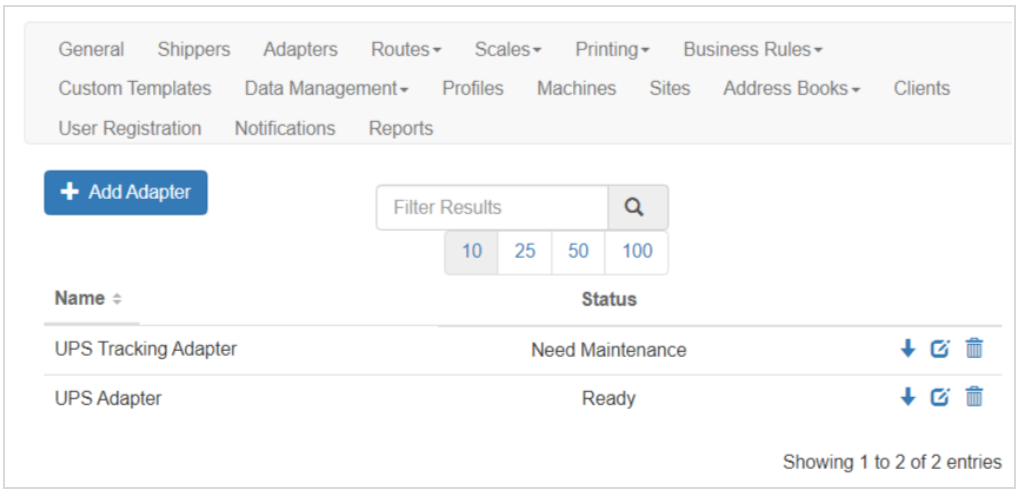
1. Under **the Information** tab, select **Customer Client Credentials** as the authorization method.



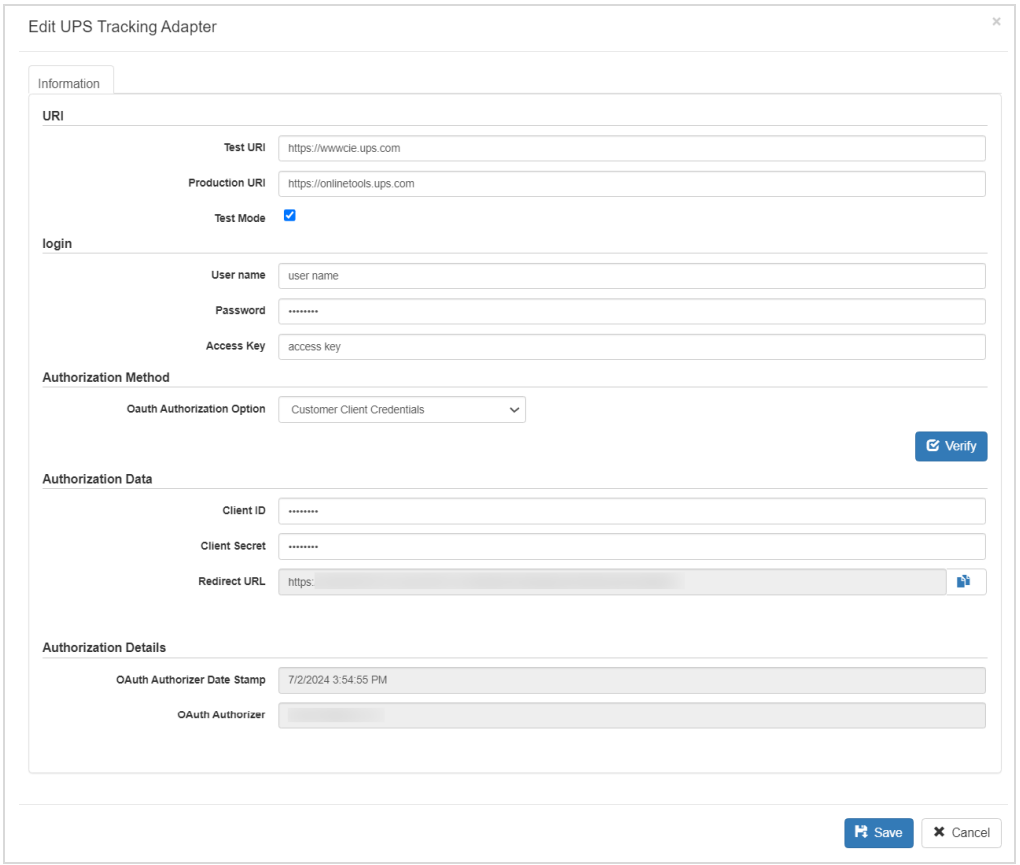
2. Enter the Client ID and Client Secret generated at [UPS Developers site](), click **Verify**.
3. On successful validation, you will get the **Success** message. Click **Save**.



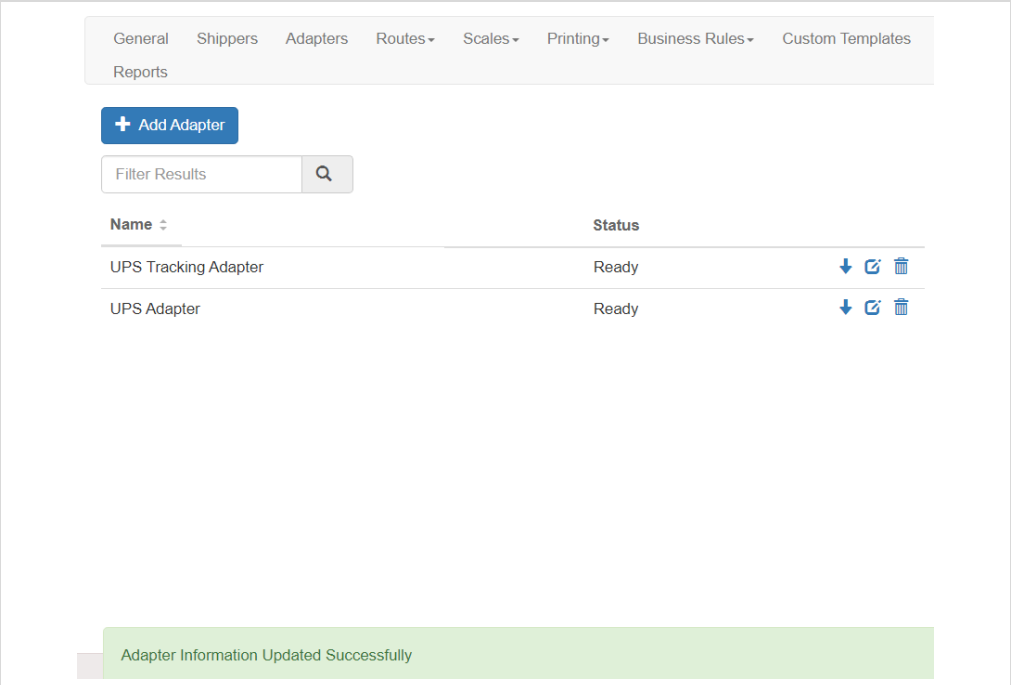
4. On saving the verified credentials, the Status of UPS Tracking Adapter will show as **Need Maintenance**.



5. Also, on saving the verified credentials, **Authorization Details** section will populate with authorizer name (the account name used to generate the token) and date stamp (the UTC time at which the token is generated) details.



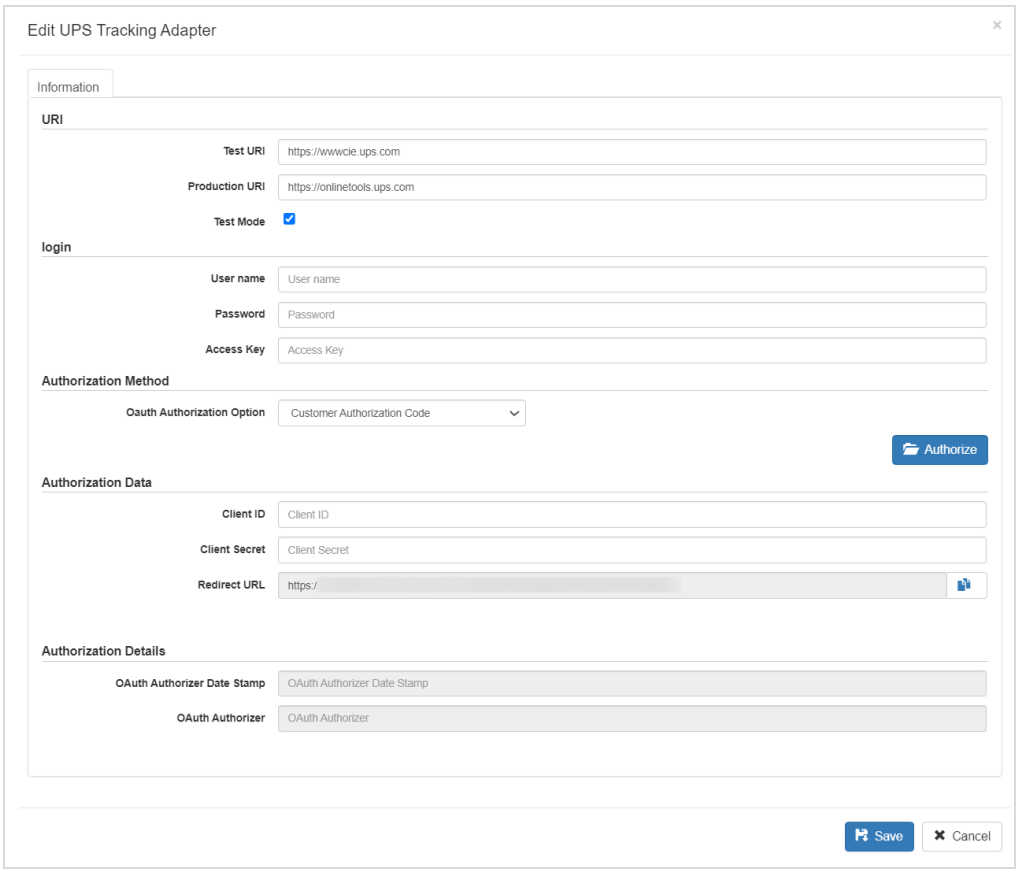
6. Go to **Adapters** tab and click on the down arrow alongside **UPS Tracking Adapter** for running maintenance, this will update the Adapter Status to **Ready**.
Note: To update the Adapter status, there should be at least one shipper mapping in the adapter.



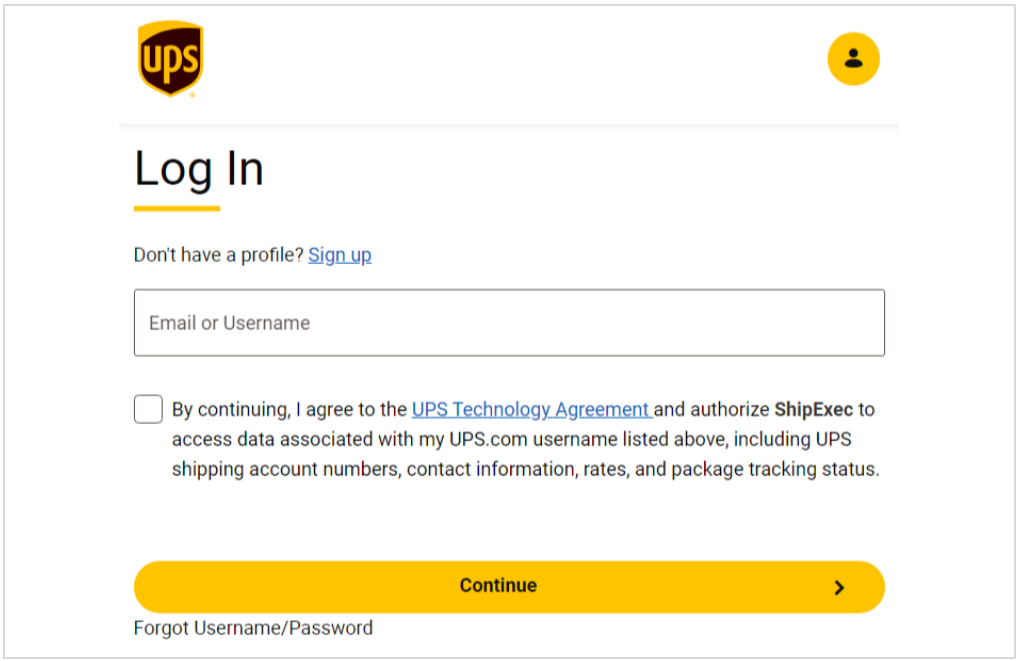
C. Select Customer Authorization Code

Choosing **Customer Authorization Code** will ask for the app-specific client credentials (client ID and client secret) generated at **UPS Developers site**. You also have an additional layer of security where you will need to provide customer-specific **UPS Login credentials** to approve it as the authorization method for UPS Tracking Adapter. Post successful verification, an authorization token will be generated for the session.

1. Under **the Information** tab, select **Customer Authorization Code** as the authorization method.



2. Enter the Client ID and Client Secret generated at [UPS Developers site](#).
3. Click **Authorize** and you will be taken to [UPS Website](#), login with your customer-specific UPS credentials.



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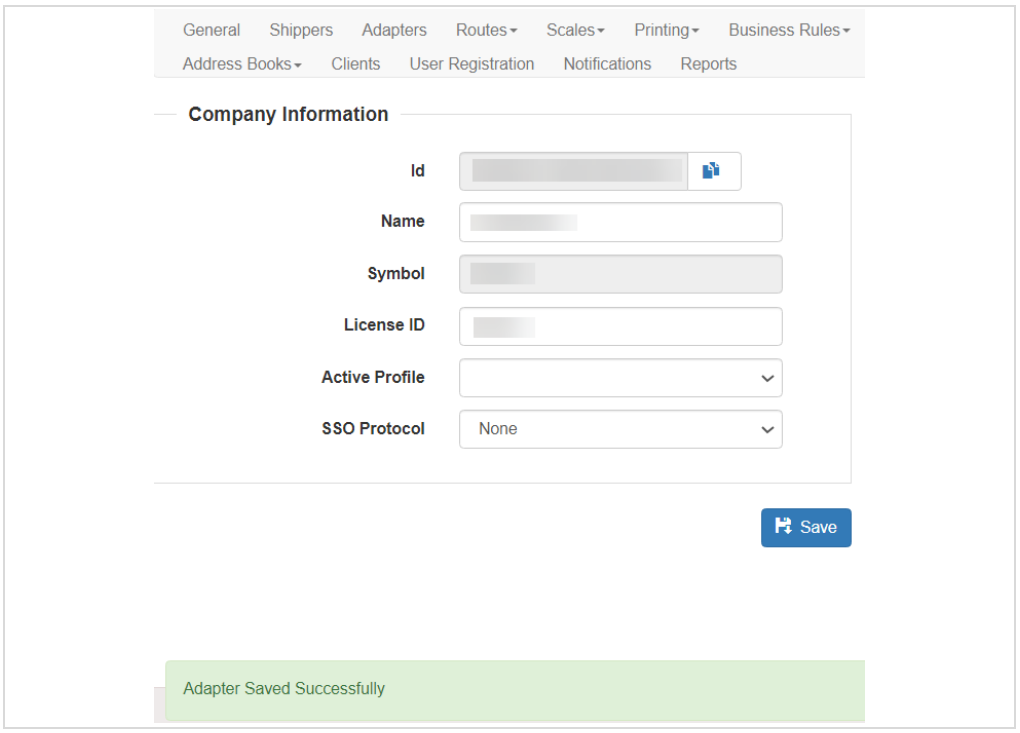

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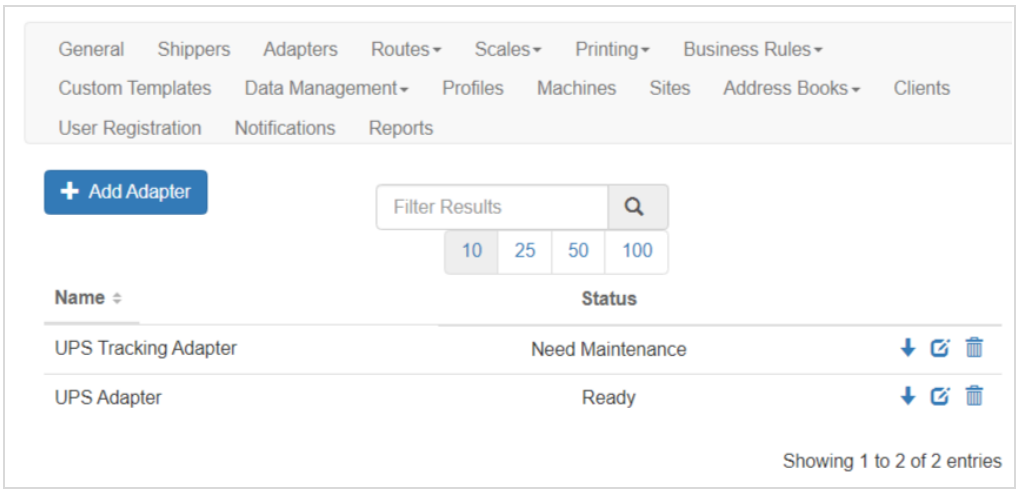

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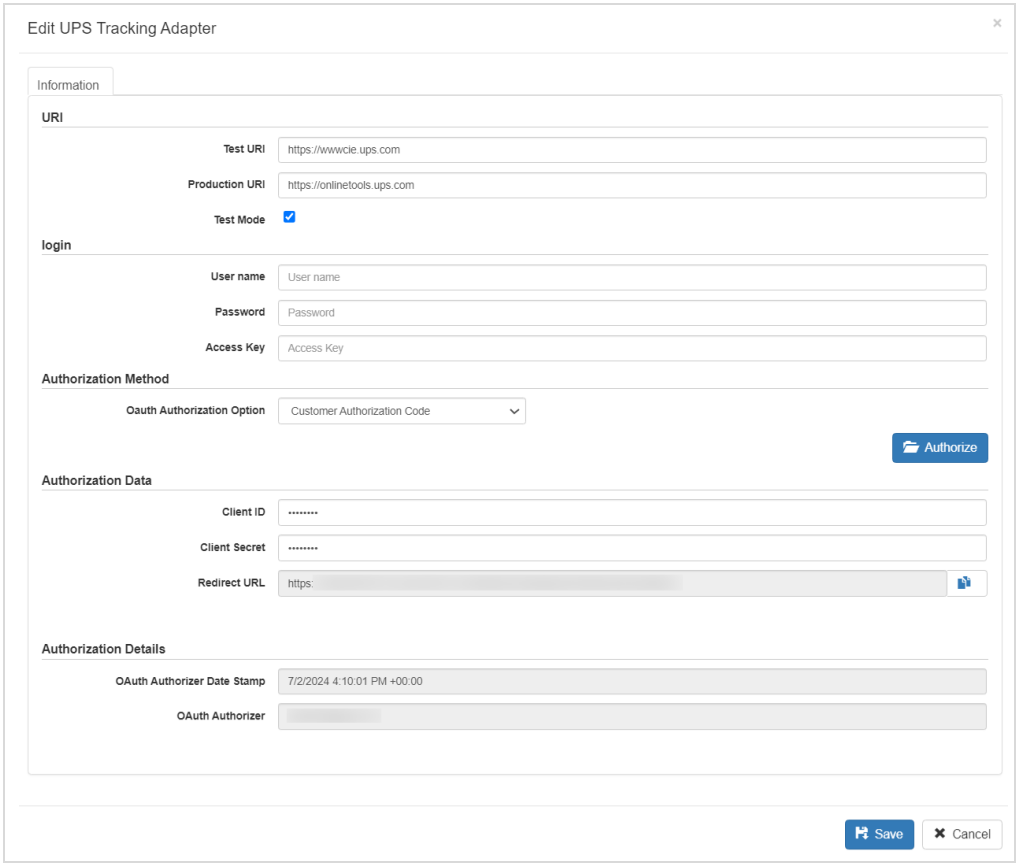

7. Click **Save**.
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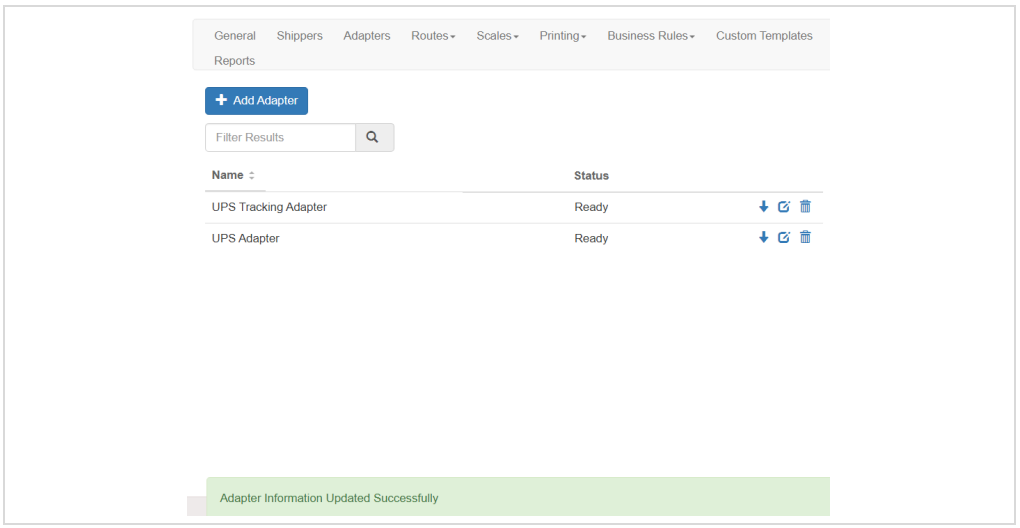
Note: To update the Adapter Status, there should be at least one shipper mapping in the adapter.