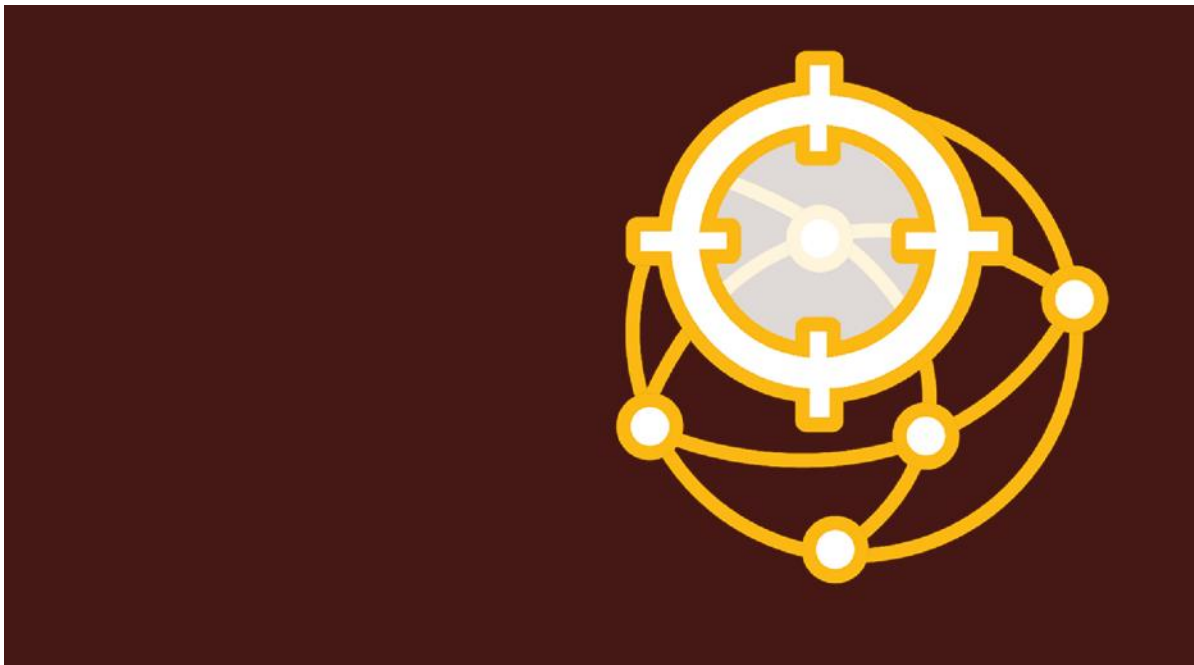


ShipExec® UPS® Tracking Adapter

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.

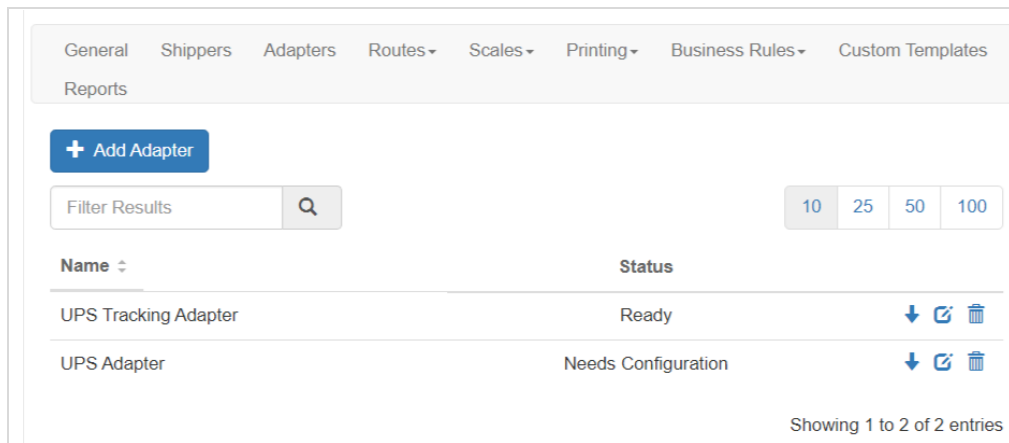
There are four types of authorization are available at the adapter level:


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

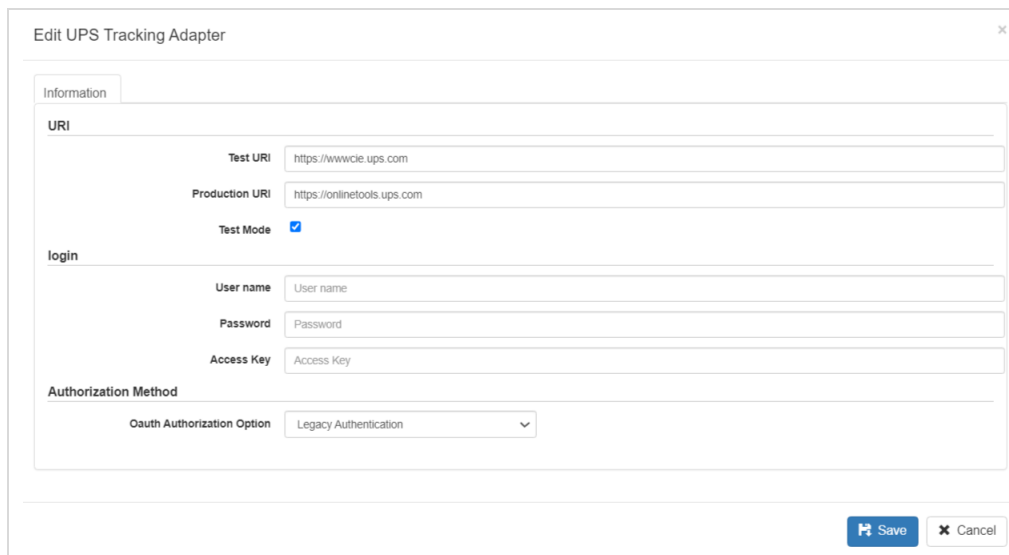
Configuring Authorization Method

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-down 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.

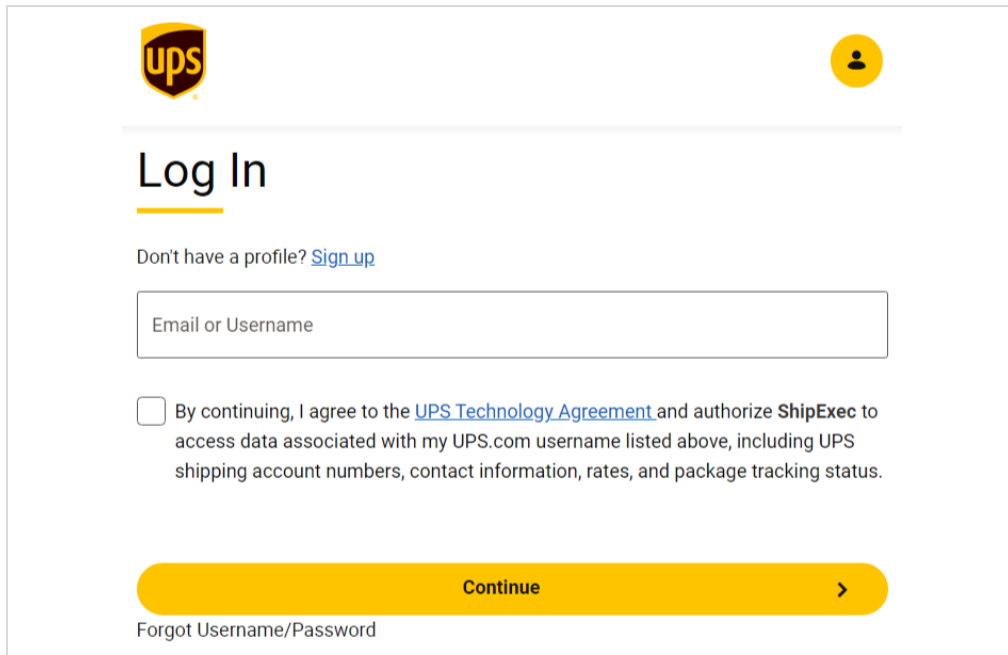
1. Under **the Information** tab, select **Authorization Code** as the authorization method.

The screenshot shows a web-based configuration window titled "Edit UPS Tracking Adapter". The "Information" tab is selected. The form is organized into several sections:

- URI:** Contains two text input fields: "Test URI" with the value "https://wwwcie.ups.com" and "Production URI" with the value "https://onlinetools.ups.com".
- Test Mode:** A checkbox labeled "Test Mode" is checked.
- Login:** Contains three text input fields: "User name" (placeholder: "User name"), "Password" (placeholder: "Password"), and "Access Key" (placeholder: "Access Key").
- Authorization Method:** A dropdown menu labeled "OAuth Authorization Option" is set to "Authorization Code".
- Authorization Details:** Contains two text input fields: "OAuth Authorizer Date Stamp" (placeholder: "OAuth Authorizer Date Stamp") and "OAuth Authorizer" (placeholder: "OAuth Authorizer").

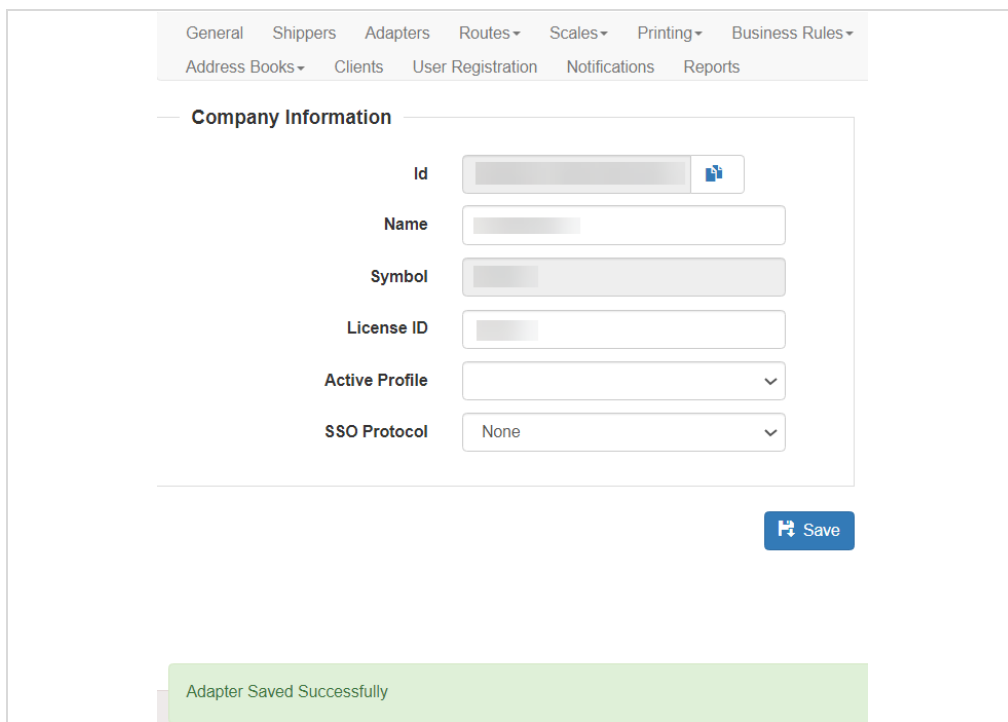
At the bottom right of the form area, there is a blue button labeled "Authorize UPS Credentials". At the very bottom of the window, there are two buttons: "Save" and "Cancel".

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



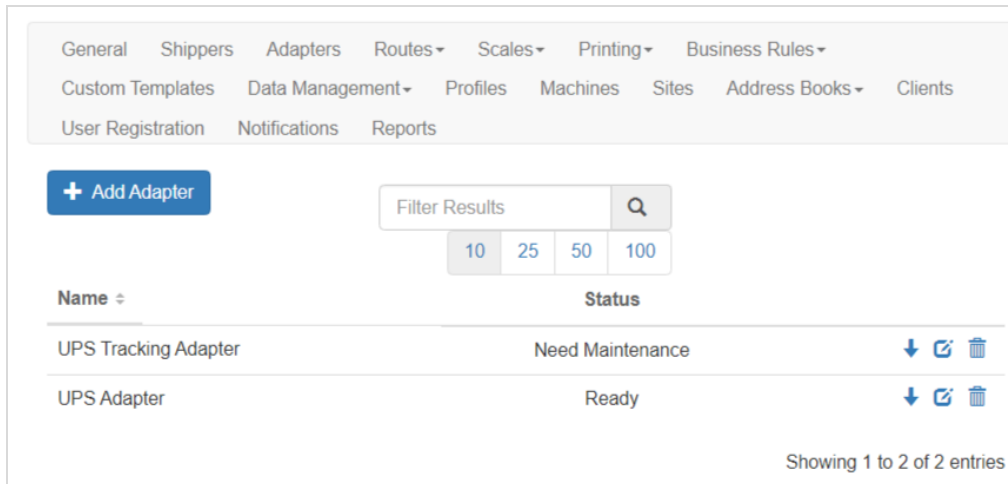
The image shows the UPS Log In page. At the top left is the UPS logo, and at the top right is a user profile icon. The main heading is "Log In". Below it, there is a link: "Don't have a profile? [Sign up](#)". A text input field is labeled "Email or Username". Below the input field is a checkbox with the text: "By continuing, I agree to the [UPS Technology Agreement](#) and authorize ShipExec to access data associated with my UPS.com username listed above, including UPS shipping account numbers, contact information, rates, and package tracking status." At the bottom, there is a large yellow button labeled "Continue" with a right-pointing arrow. Below the button is a link: "Forgot Username/Password".

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



The image shows the "Company Information" page in a web application. At the top, there is a navigation menu with items: "General", "Shippers", "Adapters", "Routes", "Scales", "Printing", "Business Rules", "Address Books", "Clients", "User Registration", "Notifications", and "Reports". The main content area is titled "Company Information" and contains several input fields: "Id" (with a dropdown arrow), "Name" (text input), "Symbol" (text input), "License ID" (text input), "Active Profile" (dropdown menu), and "SSO Protocol" (dropdown menu with "None" selected). At the bottom right of the form is a blue "Save" button. Below the form, there is a green success message box that says "Adapter Saved Successfully".

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



The screenshot displays a web interface for managing adapters. At the top, there is a navigation menu with items: General, Shippers, Adapters, Routes, Scales, Printing, Business Rules, Custom Templates, Data Management, Profiles, Machines, Sites, Address Books, Clients, User Registration, Notifications, and Reports. Below the menu is a blue button labeled '+ Add Adapter'. To the right of the button is a search box labeled 'Filter Results' with a magnifying glass icon and a dropdown menu showing options 10, 25, 50, and 100. Below the search box is a table with two columns: 'Name' and 'Status'. The table contains two rows: 'UPS Tracking Adapter' with status 'Need Maintenance' and 'UPS Adapter' with status 'Ready'. Each row has three action icons: a downward arrow, a refresh icon, and a trash icon. At the bottom right of the table, it says 'Showing 1 to 2 of 2 entries'.

Name	Status	
UPS Tracking Adapter	Need Maintenance	↓ ↻ 🗑
UPS Adapter	Ready	↓ ↻ 🗑

Showing 1 to 2 of 2 entries

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.

Edit UPS Tracking Adapter ✕

Information

URI

Test URI

https://wwwcie.ups.com

Production URI

https://onlinetools.ups.com

Test Mode

login

User name

.....

Password

.....


Access Key

.....

Authorization Method

Oauth Authorization Option

Authorization Code ▼

 **Authorize UPS Credentials**



Authorization Details

OAuth Authorizer Date Stamp

7/2/2024 12:33:49 PM +00:00

OAuth Authorizer

.....

 **Save**  **Cancel**

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.

The screenshot displays a web interface for managing adapters. At the top, there is a navigation menu with tabs: General, Shippers, Adapters (selected), Routes, Scales, Printing, Business Rules, and Custom Templates. Below the menu is a '+ Add Adapter' button and a search box labeled 'Filter Results'. The main content area shows a table with two columns: 'Name' and 'Status'. The table lists two adapters: 'UPS Tracking Adapter' and 'UPS Adapter', both with a status of 'Ready'. Each row has a dropdown arrow, a refresh icon, and a delete icon. At the bottom of the interface, a green notification bar states 'Adapter Information Updated Successfully'.

Name	Status	
UPS Tracking Adapter	Ready	↓ ↻ 🗑️
UPS Adapter	Ready	↓ ↻ 🗑️

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.

The screenshot shows the 'Edit UPS Tracking Adapter' window with the 'Information' tab selected. The form contains the following sections and fields:

- URI:** Test URI (https://wwwcie.ups.com), Production URI (https://onlinetools.ups.com), Test Mode (checked).
- login:** User name, Password, Access Key.
- Authorization Method:** OAuth Authorization Option (Customer Client Credentials).
- Authorization Data:** Client ID, Client Secret, Redirect URL (https/).
- Authorization Details:** OAuth Authorizer Date Stamp, OAuth Authorizer.

Buttons: Verify, Save, Cancel.

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**.

The screenshot shows the 'Edit UPS Tracking Adapter' window with the 'Information' tab selected. The form contains the following sections and fields:

- URI:** Test URI (https://wwwcie.ups.com), Production URI (https://onlinetools.ups.com), Test Mode (checked).
- login:** User name (user name), Password (masked with dots), Access Key (access key).
- Authorization Method:** OAuth Authorization Option (Customer Client Credentials).
- Authorization Data:** Client ID (masked with dots), Client Secret (masked with dots), Redirect URL (https/).
- Authorization Details:** OAuth Authorizer Date Stamp, OAuth Authorizer.

Buttons: Verify, Save, Cancel.

Message: Client Credentials Validated Successfully Please click Save

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

The screenshot shows a management interface for UPS Tracking Adapters. At the top, there is a navigation menu with options: General, Shippers, Adapters, Routes, Scales, Printing, Business Rules, Custom Templates, Data Management, Profiles, Machines, Sites, Address Books, Clients, User Registration, Notifications, and Reports. Below the menu is a '+ Add Adapter' button and a 'Filter Results' search box. A table lists the adapters with columns for Name and Status. The first entry is 'UPS Tracking Adapter' with a status of 'Need Maintenance'. The second entry is 'UPS Adapter' with a status of 'Ready'. Each entry has a set of action icons (down arrow, edit, delete). At the bottom right, it says 'Showing 1 to 2 of 2 entries'.

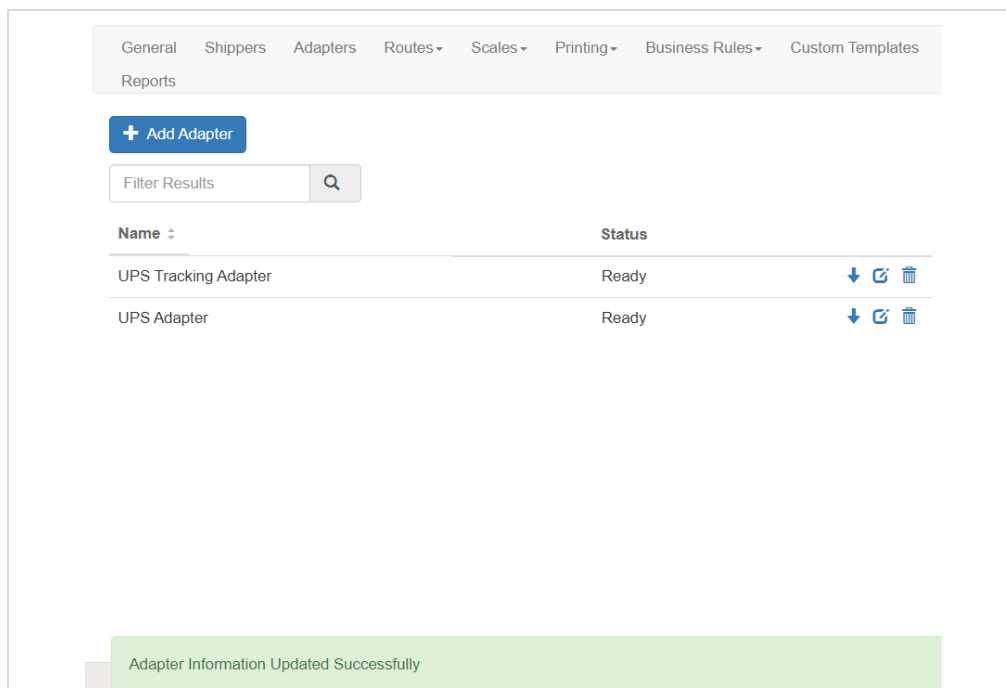
Name	Status	
UPS Tracking Adapter	Need Maintenance	↓ ↗ 🗑️
UPS Adapter	Ready	↓ ↗ 🗑️

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.

The screenshot shows the 'Edit UPS Tracking Adapter' form. The 'Information' tab is active. The form is divided into several sections: 'URI' (Test URI: https://wwwcie.ups.com, Production URI: https://onlinetools.ups.com, Test Mode checked), 'login' (User name: user name, Password: masked, Access Key: access key), 'Authorization Method' (OAuth Authorization Option: Customer Client Credentials), 'Authorization Data' (Client ID: masked, Client Secret: masked, Redirect URL: https://...), and 'Authorization Details' (OAuth Authorizer Date Stamp: 7/2/2024 3:54:55 PM, OAuth Authorizer: masked). A 'Verify' button is located next to the OAuth Authorization Option. At the bottom right, there are 'Save' and 'Cancel' buttons.

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.

Edit UPS Tracking Adapter

Information

URI

Test URI

Production URI

Test Mode

login

User name

Password

Access Key

Authorization Method

Oauth Authorization Option

Authorize

Authorization Data

Client ID

Client Secret

Redirect URL

Authorization Details

OAuth Authorizer Date Stamp

OAuth Authorizer

Save Cancel

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.

ups

Log In

Don't have a profile? [Sign up](#)

Email or Username

By continuing, I agree to the [UPS Technology Agreement](#) and authorize ShipExec to access data associated with my UPS.com username listed above, including UPS shipping account numbers, contact information, rates, and package tracking status.

Continue

[Forgot Username/Password](#)

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

The screenshot shows a web interface for managing company information. At the top, there is a navigation menu with items: General, Shippers, Adapters, Routes, Scales, Printing, Business Rules, Address Books, Clients, User Registration, Notifications, and Reports. Below the menu is a section titled "Company Information" containing several input fields: "Id" (with a blue icon), "Name", "Symbol", "License ID", "Active Profile" (a dropdown menu), and "SSO Protocol" (a dropdown menu with "None" selected). A blue "Save" button is located at the bottom right of the form. Below the form, a green banner displays the message "Adapter Saved Successfully".

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

The screenshot shows a web interface for managing adapters. At the top, there is a navigation menu with items: General, Shippers, Adapters, Routes, Scales, Printing, Business Rules, Custom Templates, Data Management, Profiles, Machines, Sites, Address Books, Clients, User Registration, Notifications, and Reports. Below the menu is a section for managing adapters. It includes a blue "+ Add Adapter" button, a "Filter Results" search box, and a pagination control with options for 10, 25, 50, and 100 items. Below this is a table with two columns: "Name" and "Status". The table contains two entries: "UPS Tracking Adapter" with a status of "Need Maintenance", and "UPS Adapter" with a status of "Ready". Each entry has three action icons: a downward arrow, a refresh icon, and a trash icon. At the bottom right, it says "Showing 1 to 2 of 2 entries".

Name	Status	
UPS Tracking Adapter	Need Maintenance	↓ ↻ 🗑️
UPS Adapter	Ready	↓ ↻ 🗑️

- Also, on 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.

Information

URI

Test URI

Production URI

Test Mode

login

User name

Password

Access Key

Authorization Method

OAuth Authorization Option

Authorization Data

Client ID

Client Secret

Redirect URL

Authorization Details

OAuth Authorizer Date Stamp

OAuth Authorizer

- Click **Save**.
- 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.

General Shippers Adapters Routes Scales Printing Business Rules Custom Templates Reports

Filter Results

Name	Status	
UPS Tracking Adapter	Ready	<input type="button" value="↓"/> <input type="button" value="✎"/> <input type="button" value="🗑️"/>
UPS Adapter	Ready	<input type="button" value="↓"/> <input type="button" value="✎"/> <input type="button" value="🗑️"/>