



Guide

Introduction to Credentials

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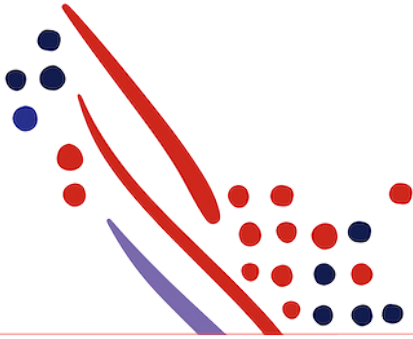


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Overview

In order to built Integrations with ADP Marketplace, partners will have up to five sets of credentials to manage:

1. Inbound Marketplace Credentials - Used to get Client Subscription data
2. Outbound Marketplace Credentials - Used by Marketplace to authenticate to your subscription notification API
3. Partner API/Data Connector Credentials - Used to request Client Credentials for Data Integration
4. Client API/Data Connector Credentials - Used to call data APIs and get Client Data
5. Partner SSO Credentials - Used for SSO Authentication

The article aims to clarify the purpose for each set of credentials and at a high level how the credentials should be used.

Client Subscription Credential Workflow

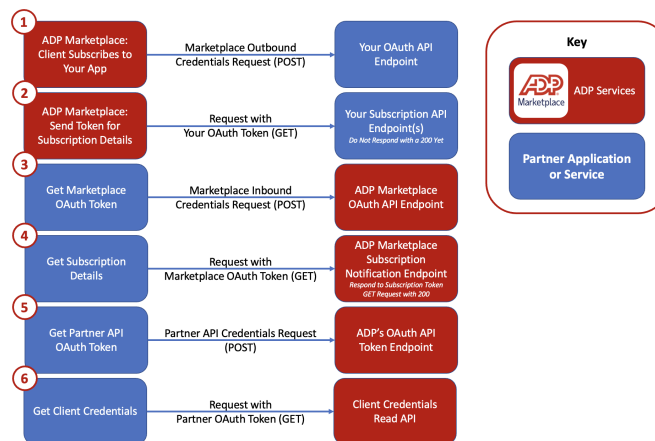
Credential Workflow Overview

ADP Marketplace will initiate the below workflow when a customer subscribes or purchases your integrated application. The purpose of this workflow is to notify you that the subscription has been made, and allows your application to retrieve the customer credentials needed to start integrating with customer data. Below is a high level diagram as well as description of each step.



Info

All API Requests must include the Certificate you generated in the Partner Self-Service portal



1. ADP Marketplace: Client Subscribes to Your App

This workflow is kicked off when a customer subscribes or purchases your application from the ADP Marketplace. The first step in the process is for the ADP Marketplace to call your OAuth API Endpoint and request an authorization token. This token will be used in step 2 to securely notify your Subscription API Endpoint that a customer has subscribed to your App. Chapter 3 will cover how to configure your OAuth API Endpoint, Partner Id and Secret.

2. ADP Marketplace: Send Token for Subscription Details

Once we have successfully retrieved an OAuth token from your OAuth endpoint, we will call your subscription endpoint. The notification will be sent to you via a GET request with a one-time Subscription Event Token in the URL ex: **`https://YourURLHere.com/subscriptions?SubscriptionEventToken={token}`**. You will not send a response to this get request until you complete steps 3 and 4

3. Get Marketplace OAuth Token

Next is to get an Marketplace Inbound OAuth Token. In order to get the subscription details (for example client OOID, Name, Product, etc) you need to call the Marketplace Subscription Notification API. This request requires an OAuth token to ensure the request is secure. You will send a POST request to the Marketplace token endpoint **`https://apps.adp.com/oauth2/token`** with your Inbound Id and Secret and receive an OAuth token.

4. Get Subscription Details

After receiving your Marketplace Inbound OAuth Token, you can call the ADP Marketplace Subscription Notification Endpoint and retrieve the details of the subscription. Send a GET request to **`https://apps.adp.com/api/integration/v1/events/{SubscriptionEventToken}`** where {SubscriptionEventToken} is the one-time Subscription Event Token from step 2. This will return the details of the client subscription

Now that you have the subscription details, you can send a response back from step 2. Send a 200 status code with the following payload: { "accountIdentifier": "{YourClientIdentifier}", "success": true } where {YourClientIdentifier} is the identifier you use in your application to uniquely identify the client.

5. Get Partner API OAuth Token

Now that you know the details of the subscription, you can request the Client API Credentials you will use to make calls to ADP APIs to GET/POST Client data (for example getting employee data from the Workers API). In order to get the credentials, you need to use an OAuth token that leverages your Partner API Credentials. Call the **`https://accounts.adp.com/auth/oauth/v2/token`** API with your Partner Id and Secret in order to get an OAuth token (note the base url here is `accounts.adp.com` NOT `apps.adp.com`)

6. Get Client Credentials

Finally, you should request and store the Client's API Credentials to make any data requests. You will POST to the Client Credentials Read API with the Client's OOID and receive the credentials back. **`https://api.adp.com/events/core/v1/consumer-application-subscription-credentials.read`**



Tip

Upon receiving the client credentials, you should **SECURELY** store them in your application as you will use them for ALL Client API Data requests going forward. You **do not need** to request new client credentials except for the case where you receive a new Subscription Notification Event (for example cancel, update, and/or create).

Chapter 3

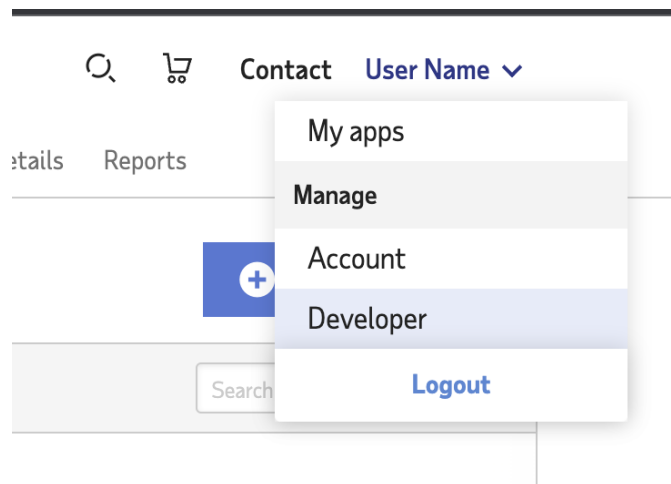
Marketplace Partner Credentials

Marketplace Credentials (Guide)

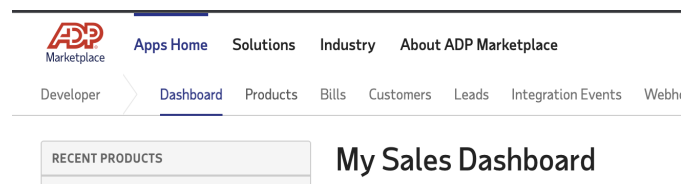
Marketplace Partner Credentials are solely for the purpose of receiving subscription related events from ADP Marketplace and getting subscription details. There are 2 sets of credentials, Inbound and Outbound. Here is how you create and retrieve your Marketplace Partner Credentials:

Access Your Marketplace Partner Credentials

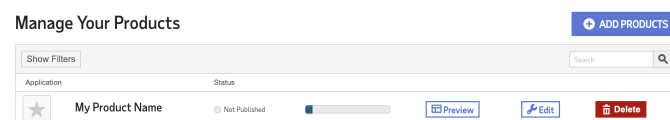
1. Go to the Developer Section of the [ADP Marketplace](#)



2. Select Products from the Top Navigation menu



3. Select Edit on your Product (or create one following the [Listing Guide](#))



3. Select Credentials in the Left Navigation Menu (located in the Integration Section)

[Apps Home](#)[Solutions](#)[Marketplace](#)[Dashboard](#)[Products](#)

MY PRODUCT NAME HERE

Product Dashboard

Profile Progress

66%

PUBLISH



Preview

PROFILE & BRANDING

Listing Info

Profile

► Features

0

Customers & Media

Support

Resources

EDITIONS AND PRICING

► Editions

4

Shared Features & Footnotes

Marketplace Pricing

INTEGRATION

Credentials

Edit Integration
Edit Authentication
Run Ping Tests

Inbound Credentials

Inbound credentials are used to generate an ADP Marketplace OAuth token to call Marketplace APIs, for example to get the details of a subscription using the One-Time Subscription Token. When you Generate your ID and Secret, you must save the secret. If you lose it, you will have to select Regenerate ID and Secret, and the old credentials will no longer work.

Credentials

English (United States)

Distinct credentials are used to secure distribution event notifications and incoming API requests for your product integration.

INBOUND CREDENTIALS (OAUTH 2.0)

Use the client ID and secret to request an OAuth 2.0 access token that can be used to secure incoming API requests for your product integration (for example, to retrieve details of an event).

Client ID

Your Auto Generated Inbound Partner Id Here

Copy

Client identifier used to request an OAuth 2.0 access token.

Client secret

Client secret used to request an OAuth 2.0 access token.

Creation Date: 3/24/2023 2:19 PM

Regenerate ID and Secret

Go To Technical Doc →

Outbound Credentials

Outbound credentials are used to generate an OAuth token for interact with your APIs. This OAuth token is used to call your Subscription Notification Event APIs (for example when a customer subscribes or unsubscribes from your application).

- Token Endpoint: The URL that the ADP Marketplace will call to request an OAuth Token from your application
- Client Id: A Client ID used to identify the ADP Marketplace app
- Client Secret: The Secret associated with the Client ID to authenticate this request
- Scope (Optional): Used if you need to generate a token with an associated scope

Credentials

English (United States) ▾

Distinct credentials are used to secure distribution event notifications and incoming API requests for your product integration.

OUTBOUND CREDENTIALS

Define the credentials configuration used to secure event notifications sent to your configured distribution endpoints.

Type

OAuth 2.0 (client credentials) ▾

Token endpoint

Endpoint used to request an OAuth 2.0 access token

Client ID

Client identifier used to request an OAuth 2.0 access token from the configured token endpoint

Client secret

Client secret used to request an OAuth 2.0 access token from the configured token endpoint

Scope (Optional)

A space-separated list of scope values associated with the requested OAuth 2.0 access token. Leave blank if not needed.

[SAVE](#)

[Go To Technical Doc →](#)

Chapter 4

Accessing Client Data via Your Data Connector

Partner Data Connector Credentials ([Guide](#))

The purpose of the partner data connector credentials are to retrieve Client API credentials using the **credentials.read** API (<https://api.adp.com/events/core/v1/consumer-application-subscription-credentials.read>). Your application will then securely store those credentials and use them to generate a new OAuth token used to access the client data you have been entitled to access via APIs. This set of Client API Credentials is unique to you and scoped to your application.

Anytime you interact with a Client's Data via API, you will first need to use the credentials you stored for Client Id and Secret, as well as your partner Certificate to request an OAuth token from <https://accounts.adp.com/auth/oauth/v2/token>. You will then use that token along with your Partner Certificate on all subsequent requests for that Client.



Info

It is possible to get a successful response but no credentials in the body when calling **credentials.read**. This means the client has NOT provided consent. Refer to your credentials document for the consent URL and our [SSO guide](#) for consent management implementation.

Chapter 5

Partner SSO Credentials

Partner SSO Credentials (Guide)

ADP uses OpenID Connect protocol in combination with OAuth 2.0's authorization code grant type. The below depicts the basic OAuth 2.0 flow. Your Partner SSO credentials will serve as the client credentials for this process.

