



Guide

How to retrieve Client Credentials of a Subscriber

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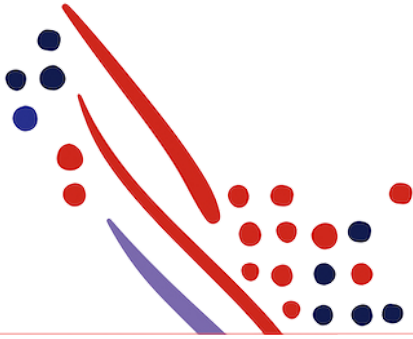


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Chapter 1

Introduction

This is for Partners who want to retrieve the client credentials (client id and client secret) **of their subscribers**. In addition attached to this article is a Test Postman Collection that covers all steps shown below and can help get you started.

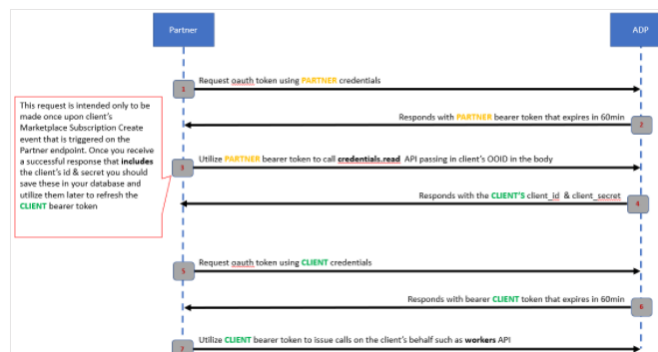
Prerequisites:

- Should know the orgid(OOID) of the client (which will be obtained in the Subscription Create Notification payload received from the ADP Marketplace)
- Client's Subscription to the partner application should be Active
- Client should have provided the Consent to the partner application
- Make sure all calls made to <https://accounts.adp.com> and <https://api.adp.com> are done using your Mutual SSL Certificate



Info

Note: The below flow diagram gives you a visual representation of the steps outlined in this article.



Postman Collection



Info

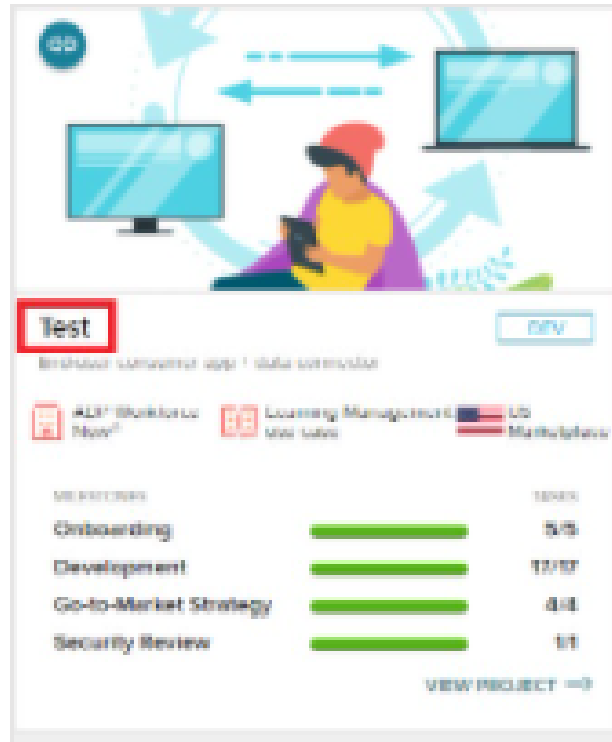
You can download the Sample Postman Collection [HERE](#)

Chapter 2

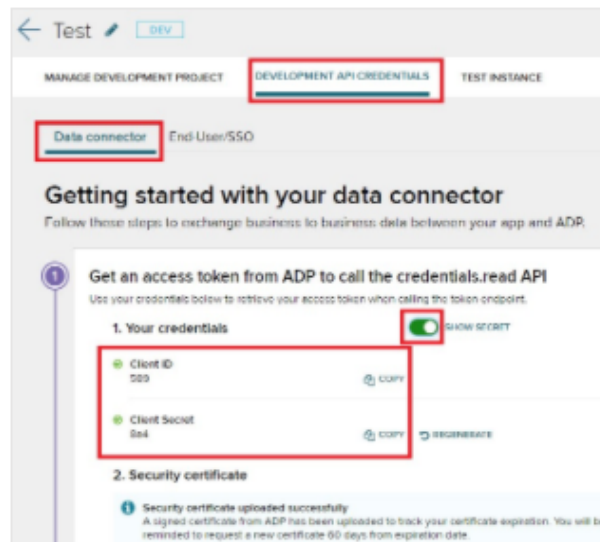
Retrieving your Partner Token

Get an Access token using your partner client id and client secret

1. Your Partner Data Connector Credentials(client id and client secret) can be found by going to the [Developer Self-Service Portal](#)
2. Click on your project



3. Click on **"Development API Credentials" - "Data Connector"** and your Partner client id and client secret will be under **Step One**.



4. You will use that **Client ID** and **Client Secret** to run a **POST** call to the endpoint below:
<https://accounts.adp.com/auth/oauth/v2/token>

Header	Body	Value
Content-Type		application/x-www-form-urlencoded
	grant_type	client_credentials
Authorization: Basic		This would be your Partner Client ID and Client Secret base 64 encoded.

5. The response from the call will generate an Access Token

```
"access_token": "b378fafc-4167-4f47-b0d1-f2c2a89c0444",
"token_type": "Bearer",
"expires_in": 3600,
"scope": "api"
```

Chapter 3

Retrieving Your Subscribers Client ID and Client Secret

Calling to the `credentials.read` endpoint

1. For the next step you will use the access token you retrived in the last chapter
2. That Access Token will be use to make a POST call to the endpoint below
<https://api.adp.com/events/core/v1/consumer-application-subscription-credentials.read>

Header	Value
Authorization: Bearer	You will fill in your Partner Token Here that you retrived in the previous chapter

3. Sample Payload Filled by Subscribers OOID

```
{
  "events": [
    {
      "serviceCategoryCode": {
        "codeValue": "core"
      },
      "eventNameCode": {
        "codeValue": "consumer-application-subscription-credential.read"
      },
      "data": {
        "transform": {
          "queryParameter": "$filter=subscriberOrganizationOID eq 'OOID of Your Subscriber Goes Here'"
        }
      }
    }
  ]
}
```

4. This will return the **Subscribers Client ID** and **Client Secret** see Example below

```

"events": [
  {
    "eventStatusCode": {
      "codeValue": "complete",
      "shortName": "Complete"
    },
    "data": {
      "output": {
        "consumerApplicationSubscriptionCredentials": [
          {
            "subscriberOrganizationOID": "G3DX22X1XF118QRD",
            "clientId": "b411ee37",
            "clientSecret": "5a951a82"
          }
        ]
      }
    },
    "eventID": "44bf6c47-2a14-4982-b7c3-4a98bab3836c",
    "eventNameCode": {
      "codeValue": "consumer-application-subscription-credentials.read"
    },
    "recordDateTime": "2021-06-21T17:34:12.989Z",
    "creationDateTime": "2021-06-21T17:34:12.989Z",
    "effectiveDateTime": "2021-06-21T17:34:12.989Z",
    "serviceCategoryCode": {
      "codeValue": "hr"
    },
    "actor": {
      "associateOID": "G2PGJZB1WPFWB87A"
    },
    "originator": {
      "associateOID": "G2PGJZB1WPFWB87A"
    }
  }
]

```



Tip

You will only be returned the Client ID and Client Secret if a client has already consented to your partner solution.

Chapter 4

Retrieving your Subscribers Access Token

Using your Subscribers Client ID and Client Secret to retrieve a Subscriber Token

1. For the next step you will use the Client ID and Client Secret you retrived in the last chapter (**Note: be sure not to use the client ID and client secret (partner credentails) found in the Developer Self Service Portal in this step to generate a token. Doing so when calling to /hr/v2/workers or any other API will result in a 403 "Permission Denied" error.**)
2. You will make a POST call to the endpoint below:
<https://accounts.adp.com/auth/oauth/v2/token>

Header	Body	Value
Content-Type		application/x-www-form-urlencoded
	grant_type	client_credentials

Authorization: Basic

This would be the **Subscribers Client ID** and **Client Secret** base 64 encoded.

3. This will return the **Subscribers Access Token** which can then be used to make API calls on the client's behalf like <https://api.adp.com/hr/v2/workers>