Chapter 2

Request an Access Token from ADP

from Understanding the Data Connector App Authorization Process

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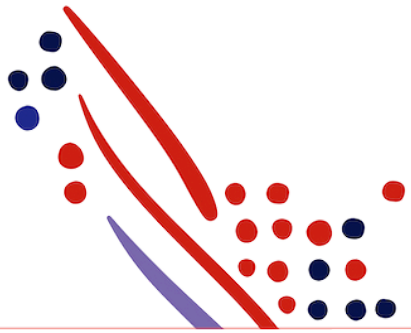

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Your application can request an access token by sending an HTTPS POST request to the token endpoint:
https://accounts.adp.com/auth/oauth/v2/token

The request must include the following parameters in the POST body:

Parameter	Description
grant_type	REQUIRED. Must be set to the value "client_credentials".
client_id	REQUIRED. The consumer application's account identifier, assigned during account registration or at secret reset.
client_secret	REQUIRED. The consumer application's account password, assigned during account registration or at secret reset.

In general, your consumer application should pass the client_id and client_secret parameters in the HTTP Authorization header using the HTTP Basic authentication scheme (or other designated scheme). The client_id and client_secret must be separated by a single colon (":") character and encoded within a base64-encoded string, as required by IETF RFC 2617.

Your consumer application must:

- Send the request with the X.509 certificate provided during registration.
- Pass all parameters in a URL-encoded format with UTF-8 character encoding as specified by the HTTP header Content-Type: application/x-www-form-urlencoded.

The actual request might look like the following example:

```
POST /auth/oauth/v2/token HTTP/1.1
  Host: accounts.adp.com
  Authorization: Basic QURQVGFibGV0OnRoZXRhYmxldHBhc3N3b3Jk
  Content-Type: application/x-www-form-urlencoded
  grant_type=client_credentials
```

A successful response to this request contains the following fields in a JSON array:

Parameter	Description
access_token	The access_token parameter is set to the value of the access token issued by the ADP authorization service in exchange for the authorization code.
token_type	Identifies the type of token returned. At this time, this field always has the value Bearer.
expires_in	The expires_in parameter is set to the time remaining in the token's life (in seconds). For example, the value "3600" indicates that the access token will expire in one hour.