# Plaid Authenticate a Connector

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You can authenticate with Plaid to create your own instance of the Plaid connector through the UI or through APIs. Once authenticated, you can use the connector instance to access the different functionality offered by the Plaid platform.

## Authenticate Through the UI

Use the UI to authenticate with Plaid and create a connector instance as described in Authenticate a Connector Instance (UI). In addition to the base authentication parameters, you will need the credentials that you identified in API Provider Setup.

After successfully authenticating, we give you several options for next steps. Make requests using the API docs associated with the instance, map the instance to a common resource, or use it in a formula template.

# Authenticate Through API

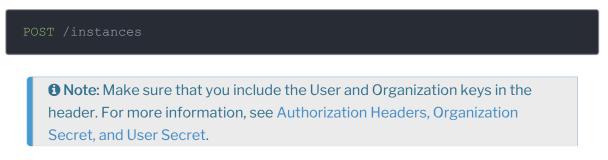
Authenticating through API is similar to authenticating via the UI. Instead of clicking and typing through a series of buttons, text boxes, and menus, you will instead send a request to our /instances endpoint. The end result is the same, though: an authenticated connector instance with a **token** and **id**.

To authenticate a connector instance:

1. Construct a JSON body as shown below (see Parameters):



2. Call the following, including the JSON body you constructed in the previous step:



3. Locate the token and id in the response and save them for all future requests using the connector instance.

#### Example cURL

```
curl -X POST \
    https://api.openconnectors.us2.ext.hana.ondemand.com/elements/api-v2/inst
ances \
    -H 'authorization: User , Organization ' \
    -H 'content-type: application/json' \
    -d '{
        "element": {
            "key": "plaid"
        },
        "configuration": {
            "public_key": "xxxxxxxxxxxxxx,
            "secret": "xxxxxxxxxxxxxxxxx,
            "secret": "xxxxxxxxxxxxxxxxx,
            "secret": "xxxxxxxxxxxxxxxx,
            "subdomain": "sandbox",
            "username": "user_good",
            "password": "pass_good",
            "bank_name": "Tartan Bank",
            "products": "auth, transactions"
        },
        "tags": [
            "Docs"
        ],
        "name": "API Instance"
        }'
}'
```

## **Parameters**

API parameters not shown in SAP Cloud Platform Open Connectors are in

```
\operatorname{code} formatting .
```

**1** Note: Event related parameters are described in Events.

- User's Bank Name. This must match an Institution in Plaid.
- If you want access to products other than Auth and Transactions, click **Show Optional Fields**, and then add the products that you want to access to the comma separated list.

auth, transactions, identity,

```
For example, income
```

Parameter	Description	Data Type
key	The connector key. plaid	string
Name	The name of the connector instance created during	string

name Parameter	authentication. Description	Data
Plaid Public Key public_key	The Plaid <b>public_key</b> that you noted in API Provider Setup	Type string
Plaid Secret	The Plaid secret that you noted in API Provider Setup	string
Plaid Client Id client_id	The Plaid client_id that you noted in API Provider Setup	string
subdomain subdomain	The Plaid API environment (sandbox, production, or development) to integrate with.	string
User'Bank Username username	The user's bank user name.	string
User'Bank Password password	The user's bank password.	string
User's Bank Name	The name of the user's bank that must match an Institution in Plaid	string
Products products	A comma-separated list of Plaid products.	string
tags	<i>Optional</i> . User-defined tags to further identify the instance.	string

# **Example Response for an Authenticated Connector Instance**

In this example, the instance ID is 12345 and the instance token starts with "ABC/D...". The actual values returned to you will be unique: make sure you save them for future requests to this new instance.

{
"id": 12345,
"name": "API Instance",
"createdDate": "2017-08-07T18:46:38Z",
"token": "ABC/Dxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
"element": {
"id": 5865,
"name": "Plaid",
"key": "plaid",
"description": "Plaid enables applications to connect with users' bank
accounts",
"image": "elements/custom-element-default-logo.png",

```
"id": 12345
```