

Fortnox Authenticate a Connector Instance

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

Authenticate Through the UI

Use the UI to authenticate with Fortnox and create a connector instance as described in [Authenticate a Connector Instance \(UI\)](#). In addition to the base authentication parameters, you will need the **Authorization Code** and **Client Secret** 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](#)):

```
{
  "element": {
    "key": "fortnox"
  },
  "configuration": {
    "authorization.code": "",
    "client.secret": ""
  },
  "tags": [
    ""
  ],
  "name": ""
}
```

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

```
POST /instances
```

Note: Make sure that you include the User and Organization keys in the header. For more information, see [Authorization Headers, Organization Secret, and User Secret](#)

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/instances \
  -H 'authorization: User , Organization ' \
  -H 'content-type: application/json' \
  -d '{
  "element": {
    "key": "fortnox"
  },
  "configuration": {
    "authorization.code": "xxxxxxxxxxxxxxxxxxxx",
    "client.secret": "xxxxxxxxxxxxxxxxxxxx"
  },
  "tags": [
    "Docs"
  ],
  "name": "API Instance"
}'

```

Parameters

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

`code formatting` .

Parameter	Description	Data Type
<code>key</code>	The connector key. fortnox	string
Name <code>name</code>	The name of the connector instance created during authentication.	string
Authorization Code <code>authorization.code</code>	The Fortnox Authorization Code unique to each integration that you noted in API Provider Setup .	string
Client Secret <code>client.secret</code>	The Fortnox Client Secret that you noted in API Provider Setup .	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/Dxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx",
  "element": {
    "id": 5866,
    "name": "Fortnox",
    "key": "fortnox",
    "description": "Add a Fortnox instance to connect your existing Fortnox account to the ERP Hub, allowing you to manage your ERP activities across multiple ERP connectors. You will need your Fortnox account information to add an instance.",
    "image": "https://images.cloudelements.io/Image 2018-01-18 at 11.28.04 AM201801181828.png",
    "active": true,
    "deleted": false,
    "typeOauth": false,
    "trialAccount": false,
    "resources": [ ],
    "transformationsEnabled": true,
    "bulkDownloadEnabled": true,
    "bulkUploadEnabled": true,
    "cloneable": true,
    "extendable": true,
    "beta": false,
    "authentication": {
      "type": "custom"
    },
    "extended": false,
    "hub": "erp",
    "protocolType": "http",
    "parameters": [ ],
    "private": false
  },
  "elementId": 5866,
  "tags": [
    "Docs"
  ],
  "provisionInteractions": [],
  "valid": true,
  "disabled": false,
  "maxCacheSize": 0,
  "cacheTimeToLive": 0,
  "configuration": { },
  "eventsEnabled": false,
```

```
"traceLoggingEnabled": false,  
"cachingEnabled": false,  
"externalAuthentication": "none",  
"user": {  
  "id": 12345  
}  
}
```
