

Evernote Authenticate a Connector Instance

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

Authenticate Through the UI

Use the UI to authenticate with Evernote 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 `instance` endpoint. The end result is the same, though: an authenticated connector instance with a **token** and **id**.

Authenticating through API follows a multi-step OAuth process that involves:

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OAuth Token



2

OAuth URL



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Authenticate Instance

- **Getting an OAuth token.** Request the `token` and `secret` to be used in later steps.
- **Getting an OAuth URL.** Use the `token` from the previous step to request a URL to redirect your users to. After they authenticate through this URL, you receive and `oauth_token` and `oauth_verifier` to use in the next step.
- **Authenticating the connector instance.** Using the `secret` returned in step one, along with the `oauth_token` and `oauth_verifier` returned in step two to authenticate with the API Provider to create a connector instance at SAP Cloud Platform Open Connectors.

Getting an OAuth Token

1

OAuth Token



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OAuth URL



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Authenticate Instance

Use the following API call to request a `secret` and `token`. Replace `{keyOrId}` with the connector key, `evernote`.

```
curl -X GET /elements/{keyOrId}/oauth/token?apiKey=&apiSecret=&callbackUrl=&siteAddress=
```

Query Parameters

| Query Parameter | Description |
|-----------------|--|
| apiKey | The API key or client ID obtained from registering your app with the provider. This is the Consumer Key that you recorded in API Provider Setup . |
| apiSecret | The client secret obtained from registering your app with the API provider. This is the Consumer Secret that you recorded in API Provider Setup . |
| callbackUrl | The API key or client ID obtained from registering your app with the provider. |

Example cURL

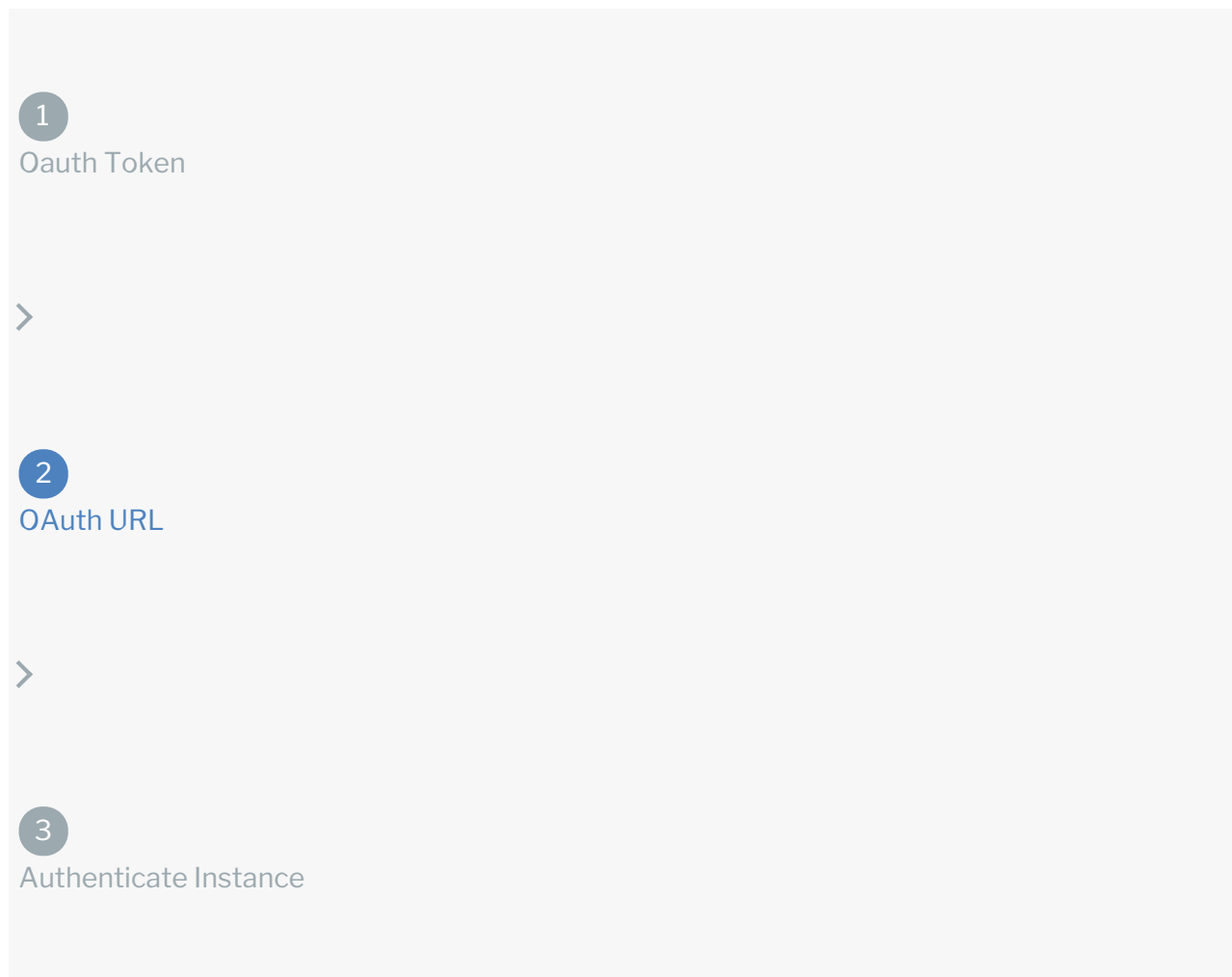
```
curl -X GET \  
'https://api.openconnectors.us2.ext.hana.ondemand.com/elements/api-v2/elements/evernote/oauth/token?apiKey=Rand0MAP1-key&apiSecret=fak3AP1-s3Cr3t&callbackUrl=https:%3A%2F%2Fwww.mycoolapp.com%2auth' \  
'
```

Example Response

Use the `oauthUrl` in the response to allow users to authenticate with the vendor.

```
{  
  "secret": "4006B6SU5ZJ55RBUWN58OZVPE",  
  "token": "evernoteALG86K3XCI190U9VDER7FDSI4MAGPRF0161RPQYBALG86K3XCI190U9VDER7ALG86K3XCI190U9VDER7"  
}
```

Getting an OAuth URL



Use the following API call to request a redirect URL where the user can authenticate with the API provider. Replace `{keyOrId}` with the connector key, `evernote`.

```
GET /elements/{keyOrId}/oauth/url?apiKey=&apiSecret=&callbackUrl=&siteAddress=&scope=false&requestToken=
```

Query Parameters

| Query Parameter | Description |
|-----------------|---|
| apiKey | The key obtained from registering your app with the provider. This is the Consumer Key that you recorded in API Provider Setup . |
| apiSecret | The secret obtained from registering your app with the provider. This is the Consumer Secret that you recorded in API Provider Setup . |
| | The URL that will receive the code from the vendor to be used to create a |

| Query Parameter | Description |
|-----------------|---|
| callbackUrl | connector instance. This is the Callback URL that you noted at the end of the App Provider Setup . |
| scope | Set to <code>false</code> |
| requestToken | The Request Token (<code>oauth_token</code>) obtained from Evernote in the previous step |

Example cURL

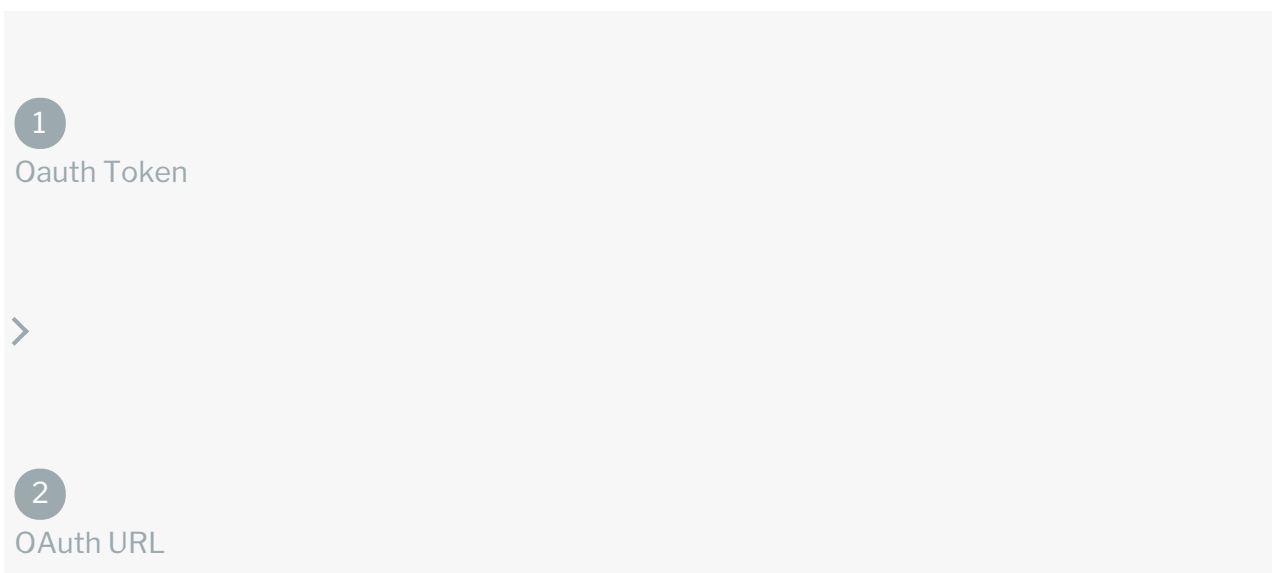
```
curl -X GET
-H 'Content-Type: application/json'
'https://api.openconnectors.us2.ext.hana.ondemand.com/elements/api-v2/elements/evernote/oauth/url?apiKey=fake_api_key&apiSecret=fake_api_secret&callbackUrl=https://httpbin.org/get&scope=false&requestToken=evernoteALG86K3XCI190U9VDER7FDSI4MAGPRF0161RPQYBALG86K3XCI190U9VDER7ALG86K3XCI190U9VDER7 '
```

Example Response

Use the `oauthUrl` in the response to allow users to authenticate with the vendor.

```
{
  "oauthUrl": "https://sandbox.evernote.com/OAuth.action?oauth_token=evernoteALG86K3XCI190U9VDER7FDSI4MAGPRF0161RPQYBALG86K3XCI190U9VDER7ALG86K3XCI190U9VDER7",
  "element": "box"
}
```

Authenticating the Connector Instance





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Authenticate Instance

Use the `secret` from [step one](#) and the `oauth_token` and `oauth_verifier` returned in [step two](#) to make a request to the `/instances` endpoint to authenticate a connector instance.

Note: The endpoint returns a connector instance token and id upon successful completion. Retain the token and id for all subsequent requests involving this connector instance.

To authenticate a connector instance:

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

```
{
  "element": {
    "key": "evernote"
  },
  "providerData": {
    "secret": "",
    "oauth_token": "",
    "oauth_verifier": ""
  },
  "configuration": {
    "oauth.api.key": "",
    "oauth.api.secret": "",
    "oauth.request.url": "https://evernote.com",
    "oauth.callback.url": "",
    "evernote.sandbox": "https://sandbox.evernote.com"
  },
  "tags": [
    ""
  ],
  "name": ""
}
```

```
{
  "element": {
    "key": "evernote"
  },
  "providerData": {
    "secret": "",
    "oauth_token": "",
    "oauth_verifier": ""
  },
  "configuration": {
    "oauth.api.key": "",
    "oauth.api.secret": "",
    "oauth.callback.url": "",
    "oauth.request.url": "",
    "evernote.sandbox": ""
  },
  "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": "evernote"
    },
    "providerData": {
      "secret": "15D1CFxxxxxxxxxxxxxxxxxxxxxxxx",
      "oauth_token": "evernoteALG86K3XCI190U9VDER7FDSI4MAGPRF0161RPQYBALG86K3XCI190U9VDER7ALG86K3XCI190U9VDER7",
      "oauth_verifier": "Dxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx"
    },
    "configuration": {
      "oauth.callback.url": "https://mycoolapp.com",
      "oauth.api.key": "xxxxxxxxxxxxxxxxxxxxxxxx",
      "oauth.api.secret": "xxxxxxxxxxxxxxxxxxxxxxxx",
      "oauth.request.url": "https://sandbox.evernote.com",
      "evernote.sandbox": "true"
    },
    "tags": [
      "Docs"
    ],
    "name": "API Instance"
  }'
```

Parameters

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

`code formatting` .

1

OAuth Token

>

2

OAuth URL



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Authenticate Instance

| Parameter | Description | Data Type |
|---------------------------------|---|-----------|
| <code>key</code> | The connector key. evernote | string |
| <code>secret</code> | The <code>secret</code> returned in the response to getting the OAuth token. | string |
| <code>oauth_token</code> | The <code>oauth_token</code> in the response to getting the OAuth token. Evernote also returns the <code>oauth_token</code> in the response after a user authorizes your app. | string |
| <code>oauth_verifier</code> | A value in the Evernote response after a user authorizes your app. | |
| Name <code>name</code> | The name of the connector instance created during authentication. | string |
| <code>oauth.api.key</code> | The API key or client ID obtained from registering your app with the provider. This is the Consumer Key that you noted in API Provider Setup . | string |
| <code>oauth.api.secret</code> | The client secret obtained from registering your app with the API provider. This is the Consumer Secret that you noted in API Provider Setup . | string |
| <code>oauth.callback.url</code> | The API key or client ID obtained from registering your app with the provider. | string |
| <code>oauth.request.url</code> | One of either <code>https://evernote.com</code> for production account or <code>https://sandbox.evernote.com</code> for sandbox accounts. | string |
| <code>evernote.sandbox</code> | Set to <code>true</code> if authenticating with a sandbox account and <code>false</code> if using a production account. | |

| Parameter tags | Optional User-defined tags to further identify the instance. | Data string type |
|----------------|--|------------------|
|----------------|--|------------------|

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": "2018-01-22T20:55:08Z",
  "token": "ABC/Dxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx",
  "element": {
    "id": 125,
    "name": "Evernote",
    "hookName": "Evernote",
    "key": "evernote",
    "description": "Add an Evernote Instance to connect your existing E
    vernote account to the Documents Hub, allowing you to manage files and fold
    ers. You will need your Evernote account information to add an instance.",
    "image": "elements/provider_evernote.png",
    "active": true,
    "deleted": false,
    "typeOauth": true,
    "trialAccount": false,
    "configDescription": "Evernote configuration",
    "transformationsEnabled": false,
    "bulkDownloadEnabled": false,
    "bulkUploadEnabled": false,
    "cloneable": false,
    "extendable": false,
    "beta": false,
    "authentication": {
      "type": "oauth2"
    },
    "extended": false,
    "hub": "documents",
    "protocolType": "http",
    "parameters": [],
    "private": false
  },
  "elementId": 125,
  "tags": [
    "Docs"
  ]
}
```

```
    ],  
    "provisionInteractions": [],  
    "valid": true,  
    "disabled": false,  
    "maxCacheSize": 0,  
    "cacheTimeToLive": 0,  
    "providerData": { },  
    "configuration": { },  
    "eventsEnabled": false,  
    "traceLoggingEnabled": false,  
    "cachingEnabled": false,  
    "externalAuthentication": "none",  
    "user": {  
      "id": 3306,  
      "emailAddress": "claude.elements@cloud-elements.com",  
      "firstName": "Claude",  
      "lastName": "Elements"  
    }  
  }  
}
```
