

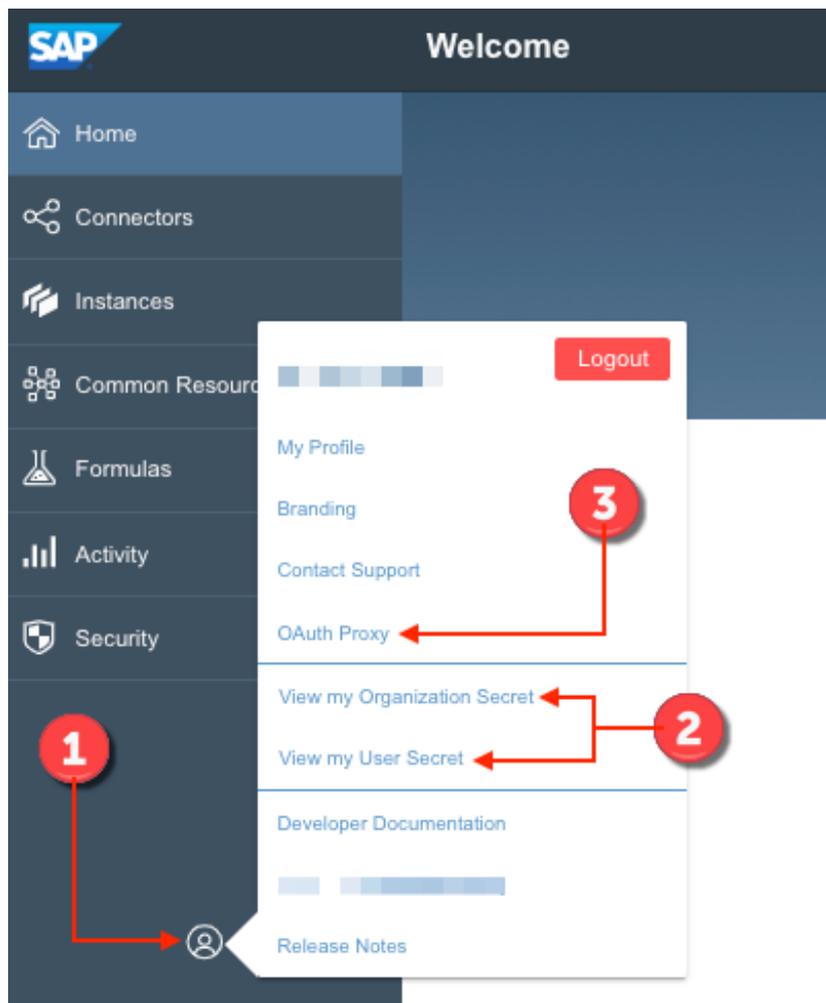
How to Use OAuth Proxies with SAP Cloud Platform Open Connectors

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Before using an OAuth proxy with SAP Cloud Platform Open Connectors, you must have the necessary information for your application, including the API key and API secret. You can access that information from the application provider's site.

Creating an OAuth Proxy via the UI

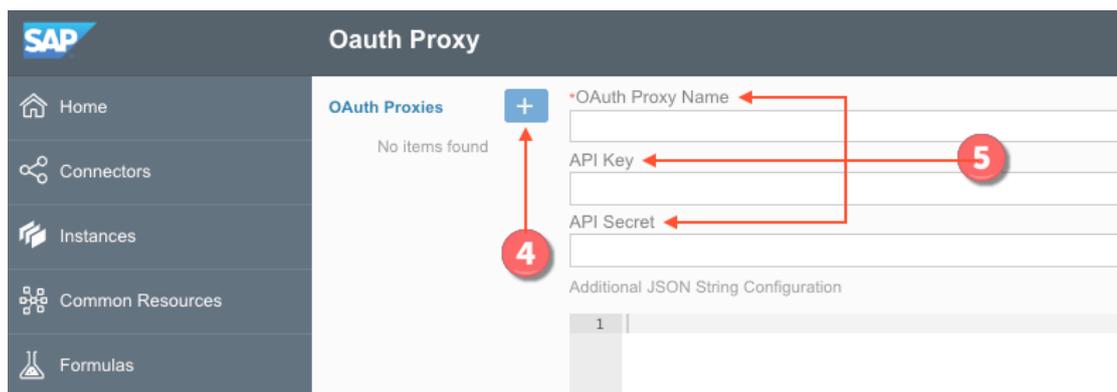
1. Sign in to your SAP Cloud Platform Open Connectors account, and click the Account Profile button.
2. Click VIEW MY ORGANIZATION SECRET and VIEW MY USER SECRET. Take note of your Organization and User secrets, as they will be used later in this setup process.
3. Click OAuth Proxy.



4. At the top of the OAuth Proxies list, click the Add button.

5. On the Create page, enter the following information:

- OAuth Proxy Name
- API Key
- API Secret



6. Paste the unique URL generated by SAP in the Redirect URL field of the application provider's site. For this example, we will use Box.

Application name: Ex: MyBoxApp

Application description: Ex: MyBoxApp is an online productivity suite

Support email: Ex: support@myboxapp.com

Website URL (optional): Ex: http://myboxapp.com

Content API Access Only: This key can only call the Box Content API

View API Access Only: This key can only call the Box View API

OAuth2 Parameters

client_id: client_id as specified in the OAuth2 spec

client_secret: client_secret as specified in the OAuth2 spec (leave blank to reset)

redirect_uri: redirect_uri as specified in the OAuth2 spec

Scopes: Read and write all files and folders
 Manage an enterprise Enter the set of scopes you request users to authorize for your app

Developer token: You do not currently have a developer token. Developer tokens allow you to use the Box API to access your personal Box account.

7. Execute the cURL GET command:

```
curl -X GET \
  'https://api.openconnectors.us2.ext.hana.ondemand.com/elements/api-v2/elements//oauth/url?isOAuthProxy=true&oauthProxyName=%3CYour%20Auth%20Proxy%20Name%3E&apiKey=%3CAPI%20Key%3E&apiSecret=%3CAPI%20Secret%3E&callbackUrl=%3CUnique%20UL%20Cloud%20Elements%20generated%3E&state=%3CURL%20you%20want%20the%20proxy%20to%20point%20to%3E&callbackProxy=true' \
  -H 'Authorization: User , Organization ' \
  -H 'Cache-Control: no-cache' \
  -H 'Content-Type: application/json'
```

8. The above should either give you a code or have you run through the OAuth flow which will render a code to you. Record that code.

9. Execute the cURL POST command:

```
curl -X POST \  
  https://api.openconnectors.us2.ext.hana.ondemand.com/elements/api-v2  
/instances \  
  -H 'Authorization: User , Organization ' \  
  -H 'Cache-Control: no-cache' \  
  -H 'Content-Type: application/json' \  
  -d '{  
    "element": {  
      "key": ""  
    },  
    "providerData": {  
      "  
        },  
      "configuration": {  
        "authentication.type": "oauth2",  
        "oauth.api.key": "",  
        "oauth.api.secret": "",  
        "oauth.callback.url": ""  
      },  
      "name": ""  
    }  
  }'  
"code": "
```

10. After executing the cURL GET command, you should either receive a code or be run through the OAuth flow, generating the code. Take note of the code.

Execute the following API call:

```
curl -X POST \  
  https://api.openconnectors.us2.ext.hana.ondemand.com/elements/api-  
v2/instances \  
  -H 'Authorization: User , Organization ' \  
  -H 'Cache-Control: no-cache' \  
  -H 'Content-Type: application/json' \  
  -d '{  
    "element": {  
      "key": ""  
    },  
    "providerData": {  
      "  
        },  
      "configuration": {  
        "authentication.type": "oauth2",  
        "oauth.api.key": "",  
        "oauth.api.secret": "",  
        "oauth.callback.url": ""  
      },  
      "name": ""  
    }  
  }'  
  "code": " 11.
```

You should receive a 200 response code and a brand new instance of your connector.

The "configuration" JSON object may have to be slightly modified depending on the connector you are using. Refer to the authentication tab for the given connector here: <https://my-staging.cloudelements.io/elements>.

Creating an OAuth proxy via API

Execute the following API call:

```
curl -X POST \
  https://api.openconnectors.us2.ext.hana.ondemand.com/elements/api-v2/elements/oauthProxies \
  -H 'Authorization: User <>, Organization <>' \
  -H 'Content-Type: application/json' \
  -d '{
    "name": "Your OAuth Proxy Name",
    "apiKey": "<>",
    "apiSecret": "<>",
    "configuration": "{ \"config\": \"additional\" }"
  }'
```

The answer for the above call should be:

```
200 OK:

{
  "apiKey": "<>",
  "configuration": "{ \"config\": \"additional\" }",
  "proxyUrl": "https://XXXXXXXX-YourOAuthProxyName.ceproxy.co.uk/production",
  "name": "Your OAuth Proxy Name",
  "apiSecret": "<>",
  "id": <>
}
```

Enter the OAuth Proxy URL in the Redirect URL section of your application provider's site.

The screenshot shows the SAP Oauth Proxy configuration page. On the left is a navigation sidebar with icons for Home, Connectors, Instances, Common Resources, and Formulas. The main content area is titled 'Oauth Proxy' and shows a 'No items found' message under the 'OAuth Proxies' heading. To the right of this message is a plus sign button (labeled with a red circle '4') and a form for creating a new proxy. The form fields are: 'OAuth Proxy Name' (with a red circle '5' pointing to it), 'API Key', and 'API Secret'. Red arrows point from the 'API Key' and 'API Secret' fields to the 'OAuth Proxy Name' field. Below these fields is a section for 'Additional JSON String Configuration' with a table containing one row with the number '1' in the first column.