

Campaign Monitor Authenticate a Connector Instance

Last Modified on 03/19/2020 6:11 pm EDT

On this page

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

Campaign monitor supports both [Basic](#) and [OAuth 2.0](#) authentication.

Basic Authentication

Authenticate Through the UI Using Basic Authentication

Use the UI to authenticate with Campaign Monitor 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 Using Basic Authentication

Send a request to our `/instances` endpoint to authenticate a connector instance. When finished note the `token` and `id`.

To authenticate a connector instance:

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

```
{
  "element": {
    "key": "campaignmonitor"
  },
  "configuration": {
    "username": "",
    "company.name": " Domain>"
  },
  "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": "campaignmonitor"
  },
  "configuration": {
    "username": "xxxxxxxxxxxxxxxxxxxxxxxx",
    "company.name": "Acme"
  },
  "tags": [
    "Docs"
  ],
  "name": "API Instance"
}'
```

Basic Parameters

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

`code formatting`.

Note: Event related parameters are described in [Events](#).

Parameter	Description	Data Type
<code>key</code>	The connector key.	string
Name <code>name</code>	The name of the connector instance created during authentication.	string
API Key <code>username</code>	The API key assigned to the user that you noted in API Provider Setup .	string
Company Name <code>company.name</code>	The Domain Name. The Domain Name appears in the url of your account. For example, in <code>https://company_name.campaignmonitor.com/</code> the Domain Name is <code>company_name</code> .	string
<code>tags</code>	<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":"2018-05-25T15:56:22Z",
  "token":"ABC/Dxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx=",
  "element":{
    "id":6315,
    "name":"Campaign Monitor",
    "hookName":"CampaignMonitor",
    "key":"campaignmonitor",
    "description":"The API can be used to manipulate employee data and to generate reports in several formats.",
    "image":"elements/custom-element-default-logo.png",
```

```
    "active":false,
    "deleted":false,
    "typeOauth":false,
    "trialAccount":false,
    "resources":[ ],
    "transformationsEnabled":true,
    "bulkDownloadEnabled":true,
    "bulkUploadEnabled":true,
    "cloneable":true,
    "extendable":true,
    "beta":false,
    "authentication":{
      "type":"basic"
    },
    "extended":false,
    "useModelsForMetadata":true,
    "hub":"humancapital",
    "protocolType":"http",
    "parameters":[ ],
    "private":false
  },
  "elementId":6315,
  "tags":[
    "Docs"
  ],
  "provisionInteractions":[

  ],
  "valid":true,
  "disabled":false,
  "maxCacheSize":0,
  "cacheTimeToLive":0,
  "configuration":{ },
  "eventsEnabled":false,
  "traceLoggingEnabled":false,
  "cachingEnabled":false,
  "externalAuthentication":"none",
  "user":{
    "id":123456,
    "emailAddress":"claude.elements@cloud-elements.com",
    "firstName":"Claude",
    "lastName":"Elements"
  }
}
```

OAuth 2.0 Authentication

Authenticate Through the UI Using OAuth 2.0

Use the UI to authenticate with Campaign Monitor and create a connector instance. Because you authenticate with Campaign Monitor via OAuth 2.0, all you need to do is add a name for the instance. After you create the instance, you'll log in to Campaign Monitor to authorize SAP Cloud Platform Open Connectors access to your account. For more information about authenticating a connector instance, see [Authenticate a Connector Instance \(UI\)](#).

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 CO](#), or [use it in a formula template](#).

Authenticate Through API Using OAuth 2.0

Authenticating with OAuth 2.0 through API is a multi-step process that involves:

- [Getting a redirect URL](#). This URL sends users to the vendor to log in to their account.
- [Authenticating users and receiving the authorization grant code](#). After the user logs in, the vendor makes a callback to the specified url with an authorization grant code.
- [Authenticating the connector instance](#). Using the authorization code from the vendor, authenticate with the vendor to create a connector instance at SAP Cloud Platform Open Connectors.

Getting a Redirect 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, `campaignmonitor`.

```
curl -X GET /elements/api-v2/{keyOrId}/oauth/url?apiKey=&apiSecret=&callbackUrl=&siteAddress=
```

Query Parameters

Query Parameter	Description
apiKey	The key obtained from registering your app with the provider. This is the Client ID that you recorded in API Provider Setup .
apiSecret	The secret obtained from registering your app with the provider. This is the Client Secret that you recorded in API Provider Setup .

callbackUrl Query Parameter	The URL that will receive the code from the vendor to be used to create a connector instance.
-----------------------------------	---

Example cURL

```
'https://api.openconnectors.us2.ext.hana.ondemand.com/elements/api-v2/elements/campaignmonitor/oauth/url?apiKey=fake_api_key&apiSecret=fake_api_secret&callbackUrl=https://www.mycoolapp.com/auth&state=campaignmonitor' \
```

Example Response

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

```
{
  "oauthUrl": "https://api.createand.com/oauth?scope=ViewReports%2CManageLists%2CCreateCampaigns%2CImportSubscribers%2CSendCampaigns%2CViewSubscribersInReports%2CManageTemplates%2CAdministerPersons%2CAdministerAccount%2CViewTransactional%2CSendTransactional&response_type=code&redirect_uri=https%3A%2F%2Fhttpbin.org%2Fget&state=campaignmonitor&client_id=123456",
  "element": "campaignmonitor"
}
```

Authenticating Users and Receiving the Authorization Grant Code

Provide the response from the previous step to the users. After they authenticate, Campaign Monitor provides the following information in the response:

- code
- state

Response Parameter	Description
code	The Authorization Grant Code required by SAP Cloud Platform Open Connectors to retrieve the OAuth access and refresh tokens from the endpoint.
state	A customizable identifier, typically the connector key (<code>campaignmonitor</code>).

Note: If the user denies authentication and/or authorization, there will be a query string parameter called `error` instead of the `code` parameter. In this case, your application can handle the error gracefully.

Authenticating the Connector Instance

Use the `/instances` endpoint to authenticate with Campaign Monitor and create a connector instance. If you are configuring events, see the [Events](#) section.

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 create a connector instance:

1. Construct a JSON body as shown below (see [OAuth 2.0 Parameters](#)):

```
{
  "element": {
    "key": "campaignmonitor"
  },
  "providerData": {
    "code": ""
  },
  "configuration": {
    "authentication.type": "oauth2",
    "oauth.callback.url": "",
    "oauth.api.key": "",
    "oauth.api.secret": "",
    "filter.response.nulls": true
  },
  "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": "campaignmonitor"
    },
    "providerData": {
      "code": "xoz8AFqScK2ngM04kSSM"
    },
    "configuration": {
      "authentication.type": "oauth2",
      "oauth.callback.url": "",
      "oauth.api.key": "",
      "oauth.api.secret": ""
    },
    "tags": [
      "For Docs"
    ],
    "name": "API Instance"
  }'
```

OAuth 2.0 Parameters

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

`code formatting` .

Note: Event related parameters are described in [Events](#).

Parameter	Description	Data Type
'key'	The connector key. campaignmonitor	string
Name <code>name</code>	The name for the connector instance created during authentication.	Body
Authentication Type <code>authentication.type</code>	How you want to authenticate with the API provider, either OAuth2 or Basic .	string
API Key	Basic Authentication only. The Campaign Monitor API	

Parameter	Description	Data Type
<code>username</code>	Key.	
<code>oauth.callback.url</code>	OAuth 2.0 Authentication only. The URL where you want to redirect users after they grant access. This is the Callback URL that you noted in in API Provider Setup .	
OAuth API Key <code>oauth.api.key</code>	OAuth 2.0 Authentication only. The Client ID from Campaign Monitor. This is the Client ID that you noted in API Provider Setup .	string
OAuth API Secret <code>oauth.api.secret</code>	OAuth 2.0 Authentication only. The Client Secret from Campaign Monitor. This is the Client Secret that you noted in API Provider Setup .	string
<code>tags</code>	<i>Optional.</i> User-defined tags to further identify the instance.	string

Example Response for an Authenticated Connector Instance

```
{
  "id": 123,
  "name": "test",
  "token": "3sU/S/kZD36BaABPS7EAuSGHF+lwsthT+mvoukiE",
  "element": {
    "id": 39,
    "name": "Campaign Monitor",
    "key": "campaignmonitor",
    "description": "Campaign Monitor makes it easy for you to create, send, and optimize your email marketing campaigns.",
    "image": "https://www.campaignmonitor.com/assets/brand/campaignmonitor.jpg",
    "active": true,
    "deleted": false,
    "typeOauth": false,
    "trialAccount": false,
    "resources": [ ],
    "transformationsEnabled": true,
    "bulkDownloadEnabled": true,
    "bulkUploadEnabled": true,
    "cloneable": true,
    "extendable": false,
    "beta": true,
    "authentication": {
      "type": "oauth2"
    },
    "elementId": 3928,
    "provisionInteractions": [ ],
    "valid": true,
    "disabled": false,
    "maxCacheSize": 0,
    "cacheTimeToLive": 0,
    "configuration": { },
    "eventsEnabled": false,
    "eventsNotificationCallbackUrl": "false",
    "traceLoggingEnabled": false,
    "cachingEnabled": false,
    "externalAuthentication": "none",
    "user": {
      "id": 12345
    }
  }
}
```