

Marketo Authenticate a Connector

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

Authenticate Through the UI

Use the UI to authenticate with Marketo and create a connector instance. Because you authenticate with Marketo via OAuth 2.0, all you need to do is add a name for the instance and provide your client ID, client secret, identity service URL, and REST service URL you identified in [Marketo API Provider Setup](#). After you create the instance, you'll log in to Marketo 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 common resource](#), or [use it in a formula template](#).

Authenticate Through API

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

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

To create a connector instance:

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

```
{
  "element": {
    "key": "marketo"
  },
  "providerData": {
    "code": ""
  },
  "configuration": {
    "oauth.api.key": "<>",
    "oauth.api.secret": "<>",
    "marketo.identity.url": "<",
    "base.url": "<>"
  },
  "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 \
  -H 'Authorization: User , Organization ' \
  -H 'Content-Type: application/json' \
  --data '{ \
    "name": "My Instance", \
    "providerData": { \
      "code": "" \
    }, \
    "configuration": { \
      "filter.response.nulls": "true", \
      "oauth.api.key": "", \
      "oauth.api.secret": "", \
      "base.url": "" \
    } \
  }'

```

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
'key'	The connector key. marketo	string
Name <code>name</code>	The name for the connector instance created during authentication.	string
<code>marketo.identity.url</code>	The Identity URL from Marketo. This is the Identity URL that you noted at the end of API Provider Setup .	
<code>oauth.api.key</code>	The API Key from Marketo. This is the API Key that you noted at the end of API Provider Setup .	string
<code>oauth.api.secret</code>	The Consumer Secret from Marketo. This is the Consumer Secret that you noted at the end of API Provider Setup .	string
<code>base.url</code>	The Marketo REST URL. This is the REST URL that you noted at the end of API Provider Setup .	string

Parameter	Description	Data Type
filter.nulls	<i>Optional.</i> Determines if null values in the response JSON should be filtered from the response. Yes or no indicates that SAP Cloud Platform Open Connectors will filter null values. Default: <code>true</code> .	boolean
tags	<i>Optional.</i> User-defined tags to further identify the instance.	string

Example Response

```
{
  "id": 427164,
  "name": "My Instance",
  "createdDate": "2017-06-06T18:00:26Z",
  "token": "<>",
  "element": {
    "id": 85,
    "name": "Marketo",
    "hookName": "Marketo",
    "key": "marketo",
    "description": "Add a Marketo Instance to connect your existing Marketo account to the Marketing Hub, allowing you to manage accounts, campaigns, contacts, leads etc. across multiple Marketing connectors. You will need your Marketo account information to add an instance.",
    "image": "elements/provider_marketo.png",
    "active": true,
    "deleted": false,
    "typeOAuth": true,
    "trialAccount": false,
    "configDescription": "If you do not have a Marketo account, you can create one at Marketo Signup",
    "resources": [],
    "transformationsEnabled": true,
    "bulkDownloadEnabled": true,
    "bulkUploadEnabled": true,
    "cloneable": true,
    "extendable": true,
    "beta": false,
    "authentication": {
      "type": "oauth2"
    },
    "extended": false,
    "hub": "marketing",
    "protocolType": "http",
    "parameters": [],
    "private": false
  }
}
```

```
"elementId": 85,  
"provisionInteractions": [],  
"valid": true,  
"disabled": false,  
"maxCacheSize": 0,  
"cacheTimeToLive": 0,  
"configuration": {  
  "event.notification.subscription.id": null,  
  "oauth.api.secret": "qePHp0mBzTE693mJg20ls2CNhSi0Bbmm",  
  "base.url": "https://338-ZRW-745.mktorest.com/rest",  
  "marketo.identity.url": "https://338-ZRW-745.mktorest.com/identity",  
  "event.vendor.type": "polling",  
  "event.helper.key": "marketoPolling",  
  "oauth.user.token": "25607056-f75d-42b5-a58a-cef2f016ad36:ab",  
  "filter.response.nulls": "true",  
  "event.poller.refresh_interval": "15",  
  "event.notification.callback.url": null,  
  "event.notification.signature.key": null,  
  "event.poller.urls": "leads",  
  "oauth.user.refresh_interval": "3381",  
  "oauth.api.key": "451a529b-8f0f-404a-93b7-b5adb7a01ef1",  
  "oauth.user.refresh_time": "1496772027604"  
},  
"eventsEnabled": false,  
"traceLoggingEnabled": false,  
"cachingEnabled": false,  
"externalAuthentication": "none",  
"user": {  
  "id": 123456  
}  
}
```