Coupa Authenticate a Connector Instance

Last Modified on 03/16/2020 5:58 am EDT

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

Authenticate Through the UI

Use the UI to authenticate with Coupa 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 the API Provider Setup article.

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 as simple as providing the necessary authentication parameters in the request body in order to provision an instance.

Authenticating the Connector Instance

Use the `/instances` endpoint to authenticate with Coupa 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):

```json
{
  "element": {
    "key": "coupa"
  },
  "configuration": {
    "filter.response.nulls": "true",
    "api.key": "",
    "siteAddress": ""
  },
  "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/inst
ances \
  -H 'authorization: User , Organization ' \
  -H 'content-type: application/json' \
  -d '{
  "element": {
    "key": "coupa"
  },
  "configuration": {
    "filter.response.nulls": "true",
    "api.key": "",
    "siteAddress": ""
  },
  "tags": [
    "Coupa"
  ],
  "name": "INSTANCE_NAME"
}'
```

Parameters

API parameters not shown in SAP Cloud Platform Open Connectors are in
`code formatting` .

> ⓘ **Note:** Event related parameters are described in the Events article.

Parameter	Description	Data Type
Key `key`	The connector key. coupa	string
Name `name`	The name for the connector instance created during authentication.	Body
Configured Application Name `api.key`	The **API Key** that you recorded in the API Provider Setup article.	string
Site Address `siteAddress`	The site address for Coupa - https://cloudelements-coupalink-demo.coupacloud.com/	string
Filter null values from the response `filter.response.nulls`	*Optional.* Determines if null values in the response JSON should be filtered from the response. Yes or `true` indicates that SAP Cloud Platform Open Connectors will filter null values.	boolean

Parameter	Description	Data Type
tags	Default: `true`. *Optional.* User-defined tags to further identify the instance.	string

Example Response

```
{
  "id": 123456,
  "name": "",
  "createdDate": "2020-01-15T10:36:40Z",
  "token": "xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx",
  "elementId": 12345,
  "tags": [...],
  "valid": true,
  "disabled": false,
  "maxCacheSize": 0,
  "cacheTimeToLive": 0,
  "configuration": {
    "base.url": "https://{siteAddress}/api/",
    "event.notification.subscription.id": null,
    "default.select.fields.map": null,
    "event.notification.basic.username": null,
    "pagination.max": "50",
    "event.notification.basic.password": "********",
    "siteAddress": "xxxxxxxxxxxxxxxxxxxx",
    "event.vendor.type": "polling",
    "filter.response.nulls": "true",
    "api.key": "xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx",
    "event.notification.instance.finder": null,
    "pagination.type": "offset",
    "event.poller.refresh_interval": "15",
    "event.notification.callback.url": null,
    "event.notification.signature.key": null,
    "authentication.time": null,
    "event.poller.configuration":{...},
    "event.notification.enabled": "false"
  },
  "authenticationType": "custom",
  "eventsEnabled": false,
  "cachingEnabled": false,
  "traceLoggingEnabled": false,
  "organizationId": 1234,
  "accountId": 12345,
  "externalAuthentication": "none",
  "userId": 123456,
  "element": {
    "id": 12345,
    "name": "Coupa",
```

```json
    "hookName": "Coupa",
    "key": "coupa",
    "description": "Add a Coupa Instance to connect your existing Coupa acc
ount to the Business Spend Management Hub, allowing you to manage requisiti
ons/orders, approvals, invoices, payments conforming to a procure to pay sc
enario. You will need to create Coupa Apikey from application to use it for
instance creation.",
    "image": "elements/custom-element-default-logo.png",
    "logo": "coupa",
    "active": true,
    "deleted": false,
    "typeOauth": false,
    "trialAccount": false,
    "resources":[...]
  },
  "user": {
    "id": 12345
  }
}
```