# Clover Events

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#### On this page

SAP Cloud Platform Open Connectors supports events via polling or webhooks depending on the API provider. For more information about our Events framework, see Events Overview.

#### **Supported Events and Resources**

SAP Cloud Platform Open Connectors supports polling events for Clover. After receiving an event, SAP Cloud Platform Open Connectors standardizes the payload and sends an event to the configured callback URL of your authenticated connector instance.

You can set up polling for the events resource. You can also copy the events configuration to poll other resources. See Configure Polling Through API for more information.

**1 Note:** Unless configured for a specific time zone, polling occurs in UTC.

### Configure Polling Through the UI

To configure polling through the UI, follow the same steps to authenticate a connector instance, and then turn on events. Select the resources to poll, and then click **Create Instance**. For more information, see Authenticate an Connector Instance with Events (UI) or the connector-specific authentication topic.

For more information about each field described here, see Parameters.

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.

# Configure Polling Through API

Use the <code>/instances</code> endpoint to authenticate with Clover and create a connector instance with polling enabled.

1 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 with polling:

- 1. Get an authorization grant code by completing the steps in Getting a redirect URL and Authenticating users and receiving the authorization grant code.
- 2. Construct a JSON body as shown below (see Parameters):

```
"idField": "id"
"idField": "id"
```

3. 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.

4. Locate the token and id in the response and save them for all future requests using the connector instance.

# Example cURL with Polling

```
"configuration": {
  "event.poller.configuration":{
         "idField": "id"
         "idField": "id"
         "idField": "id"
         "idField": "id"
```

## **Parameters**

Parameter	Description	Data Type
key	The connector key.	string
code	The authorization grant code returned from the API provider in an OAuth 2.0 authentication workflow. SAP Cloud Platform Open Connectors uses the code to retrieve the OAuth access and refresh tokens from the endpoint.	string
Name name	The name of the connector instance created during authentication.	string
OAuth API Key oauth.api.key	The API key or client ID obtained from registering your app with the provider. This is the <b>Key Name</b> that you noted in API Provider Setup.	string
OAuth API Secret oauth.api.secret	The client secret obtained from registering your app with the API provider. This is the <b>Secret Name</b> that you noted in API Provider Setup.	string
OAuth Callback URL oauth.callback.url	The API key or client ID obtained from registering your app with the provider. This is the Callback URL Name that you noted in API Provider Setup.	string
Sandbox clover.sandbox	For connecting to an app on a Clover Sandbox server select True.  Otherwise keep the default False.	boolean
MerchantID merchantId	The Merchant ID that you recorded in API Provider Setup.	string
Events Enabled event.notification.enabled	Optional. Identifies that events are enabled for the connector instance.  Default: false.	boolean

Event Notification Callback URL Parameter event.notification.callback.url	The URL where you want SAP Cloud  PERFORMODE Connectors to send the events.	Data string Type
<pre>Event poller refresh interval (mins) event.poller.refresh_interval</pre>	A number in minutes to identify how often the poller should check for changes.	number
Configure Polling event.poller.configuration	Optional. Configuration parameters for polling.	JSON object
Resource to Poll	The polling event configuration of the resource that you will monitor.	JSON object
URL	The url to query for updates to the resource.	String
ID Field idField	The field in the resource that is used to uniquely identify it.	String
Advanced Filtering datesConfiguration	Configuration parameters for dates in polling	JSON Object
Updated Date Field updatedDateField	The field that identifies an updated object.	String
Updated Date Format updatedDateFormat	The date format of the field that identifies an updated object.	String
Created Date Field createdDateField	The field that identifies a created object.	String
Created Date Format createdDateFormat	The date format of the field that identifies a created object.	String
tags	Optional. User-defined tags to further identify the instance.	string