

# Sage Business Cloud Accounting 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 Sage Business Cloud Accounting. 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.

**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.

## Configure Polling Through API

Use the `/instances` endpoint to authenticate with Sage One and create a connector instance with polling enabled.

**Note:** The endpoint returns a connector token upon successful completion. Retain the token 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](#)):

```
{
  "element":{
    "key":"sageone"
  },
  "providerData":{
    "code": ""
  },
  "configuration":{
    "oauth.api.key": "",
    "oauth.api.secret": "",
    "signature.secret": "",
    "apim.subscription.key": "",
    "country": "",
    "oauth.callback.url": "",
    "event.notification.enabled": true,
    "event.notification.callback.url": "http://mycoolapp.com",
    "event.poller.refresh_interval": "",
    "event.poller.configuration":{
      "customers":{
        "url":"/hubs/finance/customers?where=lastModifiedDate>='{date:yyyy-MM-dd'T'HH:mm:ss'Z'}' and attributes='created_at,updated_at'",
        "idField":"id",
        "datesConfiguration":{
          "updatedAtField":"updated_at",
          "updatedAtFormat":"yyyy-MM-dd'T'HH:mm:ss'Z'",
          "updatedAtTimezone":"GMT",
          "createdAtField":"created_at",
          "createdAtFormat":"yyyy-MM-dd'T'HH:mm:ss'Z'",
          "createdAtTimezone":"GMT"
        }
      }
    }
  },
  "tags":[
    "Test"
  ],
  "name":"API_Polling"
}
```

**Note:** To poll additional resources, copy the `customers` configuration and replace `customers` with the name of the resource.

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 JSON with Polling

instance JSON with polling events enabled:

```

{
  "element":{
    "key":"sageone"
  },
  "providerData":{
    "code":"1c6ff4089d58d80e86482ab7d5b97f15dd7b041d"
  },
  "configuration":{
    "oauth.api.key": "xxxxxxxxxxxxxxxxxxxx",
    "oauth.api.secret": "xxxxxxxxxxxxxxxxxxxx",
    "signature.secret": "xxxxxxxxxxxxxxxxxxxx",
    "apim.subscription.key": "xxxxxxxxxxxxxxxxxxxx",
    "country": "US",
    "oauth.callback.url": "https://mycoolapp.com",
    "event.notification.enabled":true,
    "event.notification.callback.url":"http://mycoolapp.com",
    "event.poller.refresh_interval":"15",
    "event.poller.configuration":{
      "customers":{
        "url":"/hubs/finance/customers?where=lastModifiedDate>='${date:yyy
y-MM-dd'T'HH:mm:ss'Z'}' and attributes='created_at,updated_at",
        "idField":"id",
        "datesConfiguration":{
          "updatedAtField":"updated_at",
          "updatedAtFormat":"yyyy-MM-dd'T'HH:mm:ss'Z'",
          "updatedAtTimezone":"GMT",
          "createdAtField":"created_at",
          "createdAtFormat":"yyyy-MM-dd'T'HH:mm:ss'Z'",
          "createdAtTimezone":"GMT"
        }
      }
    }
  },
  "tags":[
    "Test"
  ],
  "name":"API_Polling"
}

```

## Parameters

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

`code formatting`.

Parameter	Description	Data Type

Key Parameter	Description SageOne	Data String Type
Name <code>name</code>	The name for the connector instance created during authentication.	Body
<code>oauth.callback.url</code>	The Callback URL for the connected app you created for Sage One. This is the Callback URL that you recorded in <a href="#">API Provider Setup</a> .	
<code>oauth.api.key</code>	The key obtained from registering your app with the provider. This is the <b>Client ID</b> that you recorded in <a href="#">API Provider Setup</a> .	string
<code>oauth.api.secret</code>	The client secret obtained from registering your app with the provider. This is the <b>Client Secret</b> that you recorded in <a href="#">API Provider Setup</a> .	string
<code>signature.secret</code>	The signing secret obtained from registering your app with the provider. This is the <b>Signing Secret</b> that you recorded in <a href="#">API Provider Setup</a> .	string
APIM Subscription Key <code>apim.subscription.key</code>	The subscription primary key obtained from subscribing to the Sage One API. This is the <b>Primary Key</b> that you recorded in <a href="#">API Provider Setup</a> .  <div style="border: 1px solid #ccc; padding: 5px; background-color: #f9f9f9; margin-top: 10px;"> <p><b>Note:</b> When authenticating through the UI, you can use the default or your own subscription primary key.</p> </div>	string
<code>country</code>	The two digit country code associated with the account of the authenticating user.	string
Events Enabled <code>event.notification.enabled</code>	<i>Optional.</i> Identifies that events are enabled for the connector instance. Default: <code>false</code> .	boolean
Event Notification Callback URL	The URL where you want SAP Cloud	

Parameter	Description	Data Type
<code>event.notification.callback.url</code> Event poller refresh interval (mins) <code>event.poller.refresh_interval</code>	Platform Open Connectors to send the Events.  A number in minutes to identify how often the poller should check for changes.	string
Configure Polling <code>"event.poller.configuration"</code>	Resource to poll along with its configuration.	number
customers <code>"event.poller.configuration": {"customers\"...}"</code>	<i>Optional</i> The Sage One <code>customers</code> resource available for polling.	JSON Object
tags	<i>Optional.</i> User-defined tags to further identify the instance.	JSON object
		string