

# Recurly Events

Last Modified on 09/07/2021 10:17 am EDT

## On this page

SAP 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 Open Connectors supports polling events for Recurly. After receiving an event, SAP 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 Recurly and create a connector instance with polling enabled.

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

```
{
  "element": {
    "key": "recurly"
  },
  "configuration": {
    "subdomain": "",
    "ApiVersion": "",
    "recurly.api.key": "",
    "event.notification.enabled": true,
    "event.notification.callback.url": "http://mycoolapp.com",
    "event.poller.refresh_interval": "",
    "event.poller.configuration": {
      "customers": {
        "url": "/hubs/billing/customers?where=begin_time='${date:yyyy-MM-dd'THH:mm:ss'Z}' AND sort='updated_
at' ",
        "idField": "account_code",
        "datesConfiguration": {
          "updatedAtField": "lastModifiedOn",
          "updatedAtFormat": "milliseconds",
          "createdAtField": "createdOn"
```

```
    "createdDateField": "createdOn",
    "createdDateFormat": "milliseconds",
    "createdDateTimezone": "GMT",
    "updatedDateTimezone": "GMT"
  },
  "invoices": {
    "url": "/hubs/billing/invoices?where=begin_time='${date:yyyy-MM-dd'THH:mm:ss'Z}' AND sort='updated_at'",
    "idField": "uuid",
    "datesConfiguration": {
      "updatedDateField": "lastModifiedOn",
      "updatedDateFormat": "milliseconds",
      "createdDateField": "createdOn",
      "createdDateFormat": "milliseconds",
      "createdDateTimezone": "GMT",
      "updatedDateTimezone": "GMT"
    }
  },
  "plans": {
    "url": "/hubs/billing/plans?where=begin_time='${date:yyyy-MM-dd'THH:mm:ss'Z}' AND sort='updated_at'",
    "idField": "plan_code",
    "datesConfiguration": {
      "updatedDateField": "lastModifiedOn",
      "updatedDateFormat": "milliseconds",
      "createdDateField": "createdOn",
      "createdDateFormat": "milliseconds",
      "createdDateTimezone": "GMT",
      "updatedDateTimezone": "GMT"
    }
  },
  "subscriptions": {
    "url": "/hubs/billing/subscriptions?where=begin_time='${date:yyyy-MM-dd'THH:mm:ss'Z}' AND sort='updated_at'",
    "idField": "uuid",
    "datesConfiguration": {
      "updatedDateField": "lastModifiedOn",
      "updatedDateFormat": "milliseconds",
      "createdDateField": "createdOn",
      "createdDateFormat": "milliseconds",
      "createdDateTimezone": "GMT",
      "updatedDateTimezone": "GMT"
    }
  },
  "transactions": {
    "url": "/hubs/billing/transactions?where=begin_time='${date:yyyy-MM-dd'THH:mm:ss'Z}' AND sort='updated_at'",
    "idField": "uuid",
    "datesConfiguration": {
      "updatedDateField": "lastModifiedOn",
      "updatedDateFormat": "milliseconds",
      "createdDateField": "createdOn",
      "createdDateFormat": "milliseconds",
      "createdDateTimezone": "GMT",
      "updatedDateTimezone": "GMT"
    }
  }
},
"tags": [
  ""
],
"name": ""
}
```

2. Call the following, including the JSON body you constructed in the previous step:

```
POST /instances
```

## Example JSON with Polling

instance JSON with polling events enabled:

```
{
  "element": {
    "key": "recurly"
  },
  "configuration": {
    "subdomain": "mycooldomain",
    "ApiVersion": "2.5",
    "recurly.api.key": "<4hiopfsfay8y89f218ffHE4D82h",
    "event.notification.enabled": true,
    "event.notification.callback.url": "http://mycoolapp.com",
    "event.poller.refresh_interval": "15",
    "event.poller.configuration": {
      "customers": {
        "url": "/hubs/billing/customers?where=begin_time='${date:yyyy-MM-dd'THH:mm:ss'Z}' AND sort='updated_at' ",
        "idField": "account_code",
        "datesConfiguration": {
          "updatedAtField": "lastModifiedOn",
          "updatedAtFormat": "milliseconds",
          "createdAtField": "createdOn",
          "createdAtFormat": "milliseconds",
          "createdAtTimezone": "GMT",
          "updatedAtTimezone": "GMT"
        }
      },
      "invoices": {
        "url": "/hubs/billing/invoices?where=begin_time='${date:yyyy-MM-dd'THH:mm:ss'Z}' AND sort='updated_at'",
        "idField": "uuid",
        "datesConfiguration": {
          "updatedAtField": "lastModifiedOn",
          "updatedAtFormat": "milliseconds",
          "createdAtField": "createdOn",
          "createdAtFormat": "milliseconds",
          "createdAtTimezone": "GMT",
          "updatedAtTimezone": "GMT"
        }
      }
    }
  },
  "plans": {
    "url": "/hubs/billing/plans?where=begin_time='${date:yyyy-MM-dd'THH:mm:ss'Z}' AND sort='updated_at'",
    "idField": "plan_code",
    "datesConfiguration": {
      "updatedAtField": "lastModifiedOn",
      "updatedAtFormat": "milliseconds",
      "createdAtField": "createdOn",
      "createdAtFormat": "milliseconds",
      "createdAtTimezone": "GMT",
      "updatedAtTimezone": "GMT"
    }
  },
  "subscriptions": {
    "url": "/hubs/billing/subscriptions?where=begin_time='${date:yyyy-MM-dd'THH:mm:ss'Z}' AND sort='updated_at'",
    "idField": "uuid",
    "datesConfiguration": {
      "updatedAtField": "lastModifiedOn",
      "updatedAtFormat": "milliseconds",
      "createdAtField": "createdOn",
      "createdAtFormat": "milliseconds",
      "createdAtTimezone": "GMT",
      "updatedAtTimezone": "GMT"
    }
  }
}
```

```

    "updatedAtFormat": "milliseconds",
    "createdDateField": "createdOn",
    "createdDateFormat": "milliseconds",
    "createdDateTimezone": "GMT",
    "updatedAtTimezone": "GMT"
  }
},
"transactions": {
  "url": "/hubs/billing/transactions?where=begin_time='${date:yyyy-MM-dd'THH:mm:ss'Z}' AND sort='updated_at'",
  "idField": "uuid",
  "datesConfiguration": {
    "updatedAtField": "lastModifiedOn",
    "updatedAtFormat": "milliseconds",
    "createdDateField": "createdOn",
    "createdDateFormat": "milliseconds",
    "createdDateTimezone": "GMT",
    "updatedAtTimezone": "GMT"
  }
}
}
}
},
"tags": [
  "APIInstance"
],
"name": "MyCoolInstance"
}

```

## Parameters

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

Parameter	Description	Data Type
<code>key</code>	The connector key. recurly	string
Name <code>name</code>	The name for the connector instance created during authentication.	Body
Subdomain <code>subdomain</code>	Your account's Recurly subdomain, which you noted in <a href="#">Recurly API Provider Setup</a> .	string
Recurly API Key <code>recurly.api.key</code>	The private API key generated and noted during <a href="#">Recurly API Provider Setup</a> .	string
API Version <code>apiversion</code>	The version of the Recurly API you want to set. The default value is <code>2.5</code> ; use that value unless you have a specific use case to do so.	string
Events Enabled <code>event.notification.enabled</code>	Optional. Identifies that events are enabled for the connector instance. Default: <code>false</code> .	boolean
Event Notification Callback URL <code>event.notification.callback.url</code>	The URL where you want SAP Open Connectors to send the events.	string
Event poller refresh interval (mins) <code>event.poller.refresh_interval</code>	A number in minutes to identify how often the poller should check for changes.	number
Configure Polling <code>event.poller.configuration</code>	Optional*. Configuration parameters for polling.	JSON object

employees Parameter	The polling event configuration of the employees resource. Description	JSON Data object Type
URL <code>url</code>	The url to query for updates to the resource.	String
ID Field <code>idField</code>	The field in the resource that is used to uniquely identify it.	String
Advanced Filtering <code>datesConfiguration</code>	Configuration parameters for dates in polling	JSON Object
Updated Date Field <code>updatedDateField</code>	The field that identifies an updated object.	String
Updated Date Format <code>updatedDateFormat</code>	The date format of the field that identifies an updated object.	String
Created Date Field <code>createdDateField</code>	The field that identifies a created object.	String
Created Date Format <code>createdDateFormat</code>	The date format of the field that identifies a created object.	String
tags	Optional. User-defined tags to further identify the instance.	string