

# Sage 200 Authenticate a Connector

Last Modified on 03/16/2020 9:48 pm EDT

## On this page

You can authenticate with Sage to create your own instance of the Sage 200 connector through the UI or through APIs. Once authenticated, you can use the connector instance to access the different functionality offered by the Sage 200 platform.

## Authenticate Through the UI

Use the UI to authenticate with Sage 200 and create a connector instance. Because you authenticate with Sage 200 via OAuth 2.0, all you need to do is add a name for the instance and provide the account information you identified during [API Provider Setup](#). After you create the instance, you'll log in to Sage 200 to authorize SAP Cloud Platform Open Connectors to access 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 Sage 200 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](#)):

```
{
  "configuration": {
    "oauth.api.secret": "",
    "oauth.api.key": "",
    "subscription.key": "",
    "signing.key": "",
    "company.name": "Cloud-Elements Demodata"
  },
  "name": "Sage 200 Working Instance Payload",
  "providerData": {
    "code": "",
    "secret": ""
  },
  "element": {
    "key": "sage200"
  }
}
```

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/instances \
-H 'Authorization: User , Organization ' \
-H 'Content-Type: application/json' \
--data '{ \
  "name": "My Instance", \
  "providerData": { \
    "code": "" \
  }, \
  "configuration": { \
    "oauth.api.secret": "", \
    "oauth.api.key": "", \
    "subscription.key": "", \
    "signing.key": "", \
    "company.name": "" \
  } \
}'
```

## Parameters

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

`code formatting`.

Parameter	Description	Data Type
Key <code>key</code>	The connector key. The Sage 200 key is <code>sage200</code>	string
Name <code>name</code>	The name for the connector instance created during authentication.	string
Subscription key <code>subscription.key</code>	The subscription key for your account. This is one of the credentials you noted during <a href="#">Sage 200 API Provider Setup</a> .	
Signing key <code>signing.key</code>	The signing key for your account. This is one of the credentials you noted during <a href="#">Sage 200 API Provider Setup</a> .	string
Company name <code>company.name</code>	The name of the company as used in the Sage 200 system.	string
<code>oauth.api.key</code>	The API key from Sage 200. You receive an API key from Sage after you <a href="#">register your application</a> with Sage.	string

Parameter	Description	Data Type
<code>apiKey.secret</code>	The API secret from Sage 200. You receive an API key from Sage after you <a href="#">register your application</a> with Sage.	
Filter null values from the response <code>filter.response.nulls</code>	<i>Optional.</i> Determines if null values in the response JSON should be filtered from the response. Yes or <code>true</code> 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": "2019-03-01T18:00:26Z",
  "token": "<>",
  "element": {
    "id": 987,
    "name": "Sage 200",
    "key": "sage200",
    "description": "Add a Sage 200 Instance to connect your existing Sage 200 account to the Finance Hub, allowing you to manage orders, payments, and more across multiple Finance connectors. You will need your Sage 200 account information and a registered application to add an instance.",
    "image": "elements/provider_sage200.png",
    "active": true,
    "deleted": false,
    "typeOauth": true,
    "resources": [],
    "transformationsEnabled": true,
    "bulkDownloadEnabled": true,
    "bulkUploadEnabled": false,
    "cloneable": true,
    "extendable": true,
    "beta": false,
    "authentication": {
      "type": "oauth2"
    },
    "extended": false,
    "hub": "finance",
    "protocolType": "http",
    "parameters": [],
    "private": false
  }
}
```

