

Authenticate a Connector Instance (API)

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How you authenticate a connector instance with our APIs differs significantly from connector to connector based on the API provider's authentication requirements (OAuth 2.0, basic, OAuth 1.0, or custom) and any specific information that they require. However, the payload that you send always includes basic information including the `name` of the connector instance, a `configuration` array to pass required information to the provider, `tags` to help you categorize the instance, and an optional request to retrieve details about the objects `retrieveObjectsAfterInstantiation` (see [more on this below](#)).

You can authenticate a connector instance with either of the following endpoints:

- POST /instances
- POST /elements/{id}/instances (do not include `"key": "Element Key"` in the body of the request).

Here is an example payload to authenticate a connector instance with OAuth 2.0 authentication:

```
{
  "element": {
    "key": ""
  },
  "providerData": {
    "code": ""
  },
  "configuration": {
    "oauth.api.key": "",
    "oauth.api.secret": "",
    "oauth.callback.url": ""
  },
  "tags": [
    "Tag Name 1",
    "Tag Name 2"
  ],
  "name": "Instance Name",
  "retrieveObjectsAfterInstantiation": true
}
```

Here is an example payload to authenticate a connector instance with basic authentication

```

{
  "element": {
    "key": ""
  },
  "configuration": {
    "username": "",
    "password": ""
  },
  "tags": [
    "Tag Name 1",
    "Tag Name 2"
  ],
  "name": "",
  "retrieveObjectsAfterInstantiation": true
}

```

Include Objects in the Response

You can return a list of all data objects in an connector along with their source (the vendor, a Common Resource, or normalized SAP Cloud Platform Open Connectors object). In the request body include the optional

`"retrieveObjectsAfterInstantiation": true` value. The response includes an `objects` array like this example:

```

"objects": [
  {
    "name": "incidents",
    "vendorName": "Case",
    "type": "ceCanonical"
  },
  {
    "name": "Task",
    "vendorName": "Task",
    "type": "vendor"
  },
  {
    "name": "myAccounts",
    "vendorName": "Account",
    "type": "vdr"
  }
]

```

The objects list includes:

- `name` The name of the connector object. This is name that you'll find in the API docs and endpoints. For example, requests to the objects in the example would look like `GET https://api.openconnectors.us2.ext.hana.ondemand.com/elements/api-v2/incidents` (or `/Task` or `/myAccounts`).
- `vendorName` The name of the object specified within the API provider's system.
- `type` Specifies where the object is defined:
 - `vdr` indicates that the object is a user-defined common resource that is mapped to the API provider resource identified in the `vendorName` attribute. For more information see [Introduction to Common Resources](#).
 - `ceCanonical` indicates a normalized SAP Cloud Platform Open Connectors object associated with the raw API provider object identified in the `vendorName` attribute.
 - `vendor` indicates that the object is available to use via the `GET /{objectName}` endpoint. Requests bypass any SAP Cloud Platform Open Connectors mappings and call the vendor endpoint directly, while still

proxied by SAP Cloud Platform Open Connectors. In this case, `name` and `vendorName` attributes are identical.
