



# HubSpot Adapter for SAP Integration Suite

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# 1. Introduction

## 1.1. Objective

This is the official guide for the HubSpot Adapter for SAP Integration Suite. This guide covers all relevant information for integration developers to start working with the HubSpot adapter. Read this guide carefully before using the Adapter.

## 1.2. Coding Samples

Any software coding and/or code lines/strings ("Code") included in this documentation are only examples and are not intended to be used in a productive system environment. The Code is only intended to better explain and visualize the syntax and phrasing rules of certain coding. The correctness and completeness of the Code given herein are not guaranteed.

## 1.3. Internet Hyperlinks

The documentation may contain hyperlinks to the Internet. These hyperlinks are intended to serve as a hint about where to find related information. The availability and the correctness of this related information or the ability of this information to serve a particular purpose are not warranted.

## 1.4. Overview

HubSpot is a dynamic platform enabling seamless integration across departments such as marketing, sales, and customer service. Organizations utilize HubSpot's CRM, Marketing hub, Sales hub, or CMS hub to expand reach securely. As a leading CRM platform, HubSpot assists businesses in attracting visitors, converting leads, and closing deals, essential for modern enterprises to streamline operations and enhance customer engagement.

The key aspects of HubSpot and the functionalities it offers are as follows:

- **Multi-Platform Integration:** Connects with various business platforms like CRMs, ERP systems, and e-commerce sites.
- **Analytics and Reporting:** Use HubSpot's reporting tools to track marketing, sales, and service performance.

- **CRM:** Tool to help businesses manage and track leads and customers.
- **CMS Hub:** Used for building and managing websites, blogs, and landing pages.
- **Marketing Hub:** Offers tools for email marketing, social media, content management, and analytics.

## 1.5. Features

The HubSpot Adapter provides the following key features:

- **Secure authentication:** Secure authentication with OAuth 2.0 and private app access ensures HubSpot securely connects with other applications. Each API request between HubSpot and external platforms is safeguarded.
- **Support for multiple HubSpot operations:** The HubSpot adapter supports various CRUD operations like Create a batch of contacts, Read a deal, Update a company, Delete selected template, etc.
- **Support for multiple API versions:** HubSpot supports multiple API versions with an editable API version field enabling users to input the latest supported version.
- **Support for XML & JSON:** HubSpot Adapter extends support for multiple payload formats. XML and JSON are fully incorporated throughout the adapter.
- **HubSpot Eclipse plug-in:** The Eclipse plug-in helps to generate all necessary up-to-date message XSDs for specific resources and the custom objects in the HubSpot.
- **Batch Operations in HubSpot:** Efficiently manage large datasets with bulk updates, deletions, and creations across contacts and deals, enhancing productivity.
- **Pagination:** You can query efficiently with our integrated pagination support. HubSpot adapter supports querying of all records of a resource using Offset & Limit.
- **Dynamic Configuration Support:** The HubSpot adapter allows operations to be executed by selecting options from a dropdown in Basic Configuration or specifying a relative URL in Advanced Configuration.

## 2. Installation and Configuration

This section details the file(s) available as part of the installation package and the prerequisites to configure the HubSpot adapter.

**i** The HubSpot adapter is available as part of your SAP Integration Suite license.

You would also require an installation of Eclipse Workbench. For more information, see [HubSpot Plug-in Installation](#).

Before you begin, you must download the HubSpot plugin bundle from the SAP Marketplace that contains the file(s) listed in the following section.

### 2.1. Package Details

The HubSpot plug-in installation package contains the following file:

File Type	File Name	Description
Plug-in File	<i>HubSpot-plug-in_&lt;version&gt;.jar</i>	This file is used to install the plug-in.

### 2.2. Prerequisite

Before you begin, you must:

- Download and install the HubSpot plugin bundle from the SAP Marketplace.
- Download and install the SAP-recommended version of Eclipse.

**Note:** It is recommended to use Eclipse Oxygen. However, the plugin remains compatible with all latest versions of Eclipse.

To get the latest SAP recommendations, see [SAP Development Tools](#).

### 2.3. Adapter Installation on Cloud Foundry


Before the adapter can be used in the Cloud Foundry environment, it must be deployed to the SAP Integration Suite tenant.

## 2.3.1. Prerequisites

To deploy the HubSpot adapter, you must have access to the *SAP Integration Suite* license.

## 2.3.2. Procedure

You can deploy the adapter using the following methods:

 The following installation procedure is compatible with Apache Camel 2, Apache Camel 3, and Edge Integration Cell (EIC) platform.

## 2.3.3. Adapter Installation by creating a New Integration Flow



The HubSpot adapter is available for selection in the receiver adapter list and can be deployed in the **Design** tab directly as you use it in an Integration flow.

### Purpose

To install an adapter for use in your Integration flow.

### Procedure

Go to Design workspace and select the integration package where you want to create a new Integration flow.

1. Click **Edit** to make the package editable.
2. Go to the **Artifacts** tab. Click **Add** and select **Integration Flow**.
3. Enter **Name** and **ID** for your flow. Additionally, select **Runtime Profile** from the drop-down and choose **Sender** and **Receiver** systems from the list . Finally, click **Add** to create the integration flow.
4. Go to the newly created integration flow and click **Edit** to make it editable.
5. In the integration flow, click **End** to add a **Connector**  between the **End** and the **Receiver Box**.  
A drop-down with the available adapters appears. The **HubSpot** adapter should show up in the list.
6. Select the **HubSpot** adapter from the list. The adapter is now imported which *triggers* an adapter deployment. Once HubSpot Adapter is deployed, a success message is displayed.

After the above steps are done, the HubSpot Adapter is successfully deployed in your Design workspace of the SAP Integration Suite tenant.

## 2.3.4. Adapter Installation without Creating a New Integration Flow



The following procedure explains how the HubSpot adapter is migrated from the Discover workspace to the Design workspace of the SAP Integration tenant.

This method is useful for scenarios where integration flow packages are migrated from development to a higher environment such as Production.

The HubSpot adapter can be imported into the Design workspace without creating an integration flow. Use the Transport Management Service (TMS) to import/transport the HubSpot adapter to a higher environment. Alternatively, If the TMS is not available in the landscape, the adapter package can be imported to the Design workspace by copying it from the Discover workspace.

### Purpose

To import the HubSpot adapter to the Design workspace by copying the integration package from the Discover workspace.

### Procedure

1. Go to **Discover** workspace.
2. In the search box, search for **HubSpot adapter for SAP Integration Suite** package.
3. Select the package and click **Copy**. This copies the package from the Discover workspace to the Design workspace.
4. Go to Design workspace and select the copied **HubSpot adapter for SAP Integration Suite** package.
5. In the **Actions** tab of the selected package, click **Deploy**. This completes the adapter deployment to the Design workspace.

## 2.4. Monitor the Deployment Status

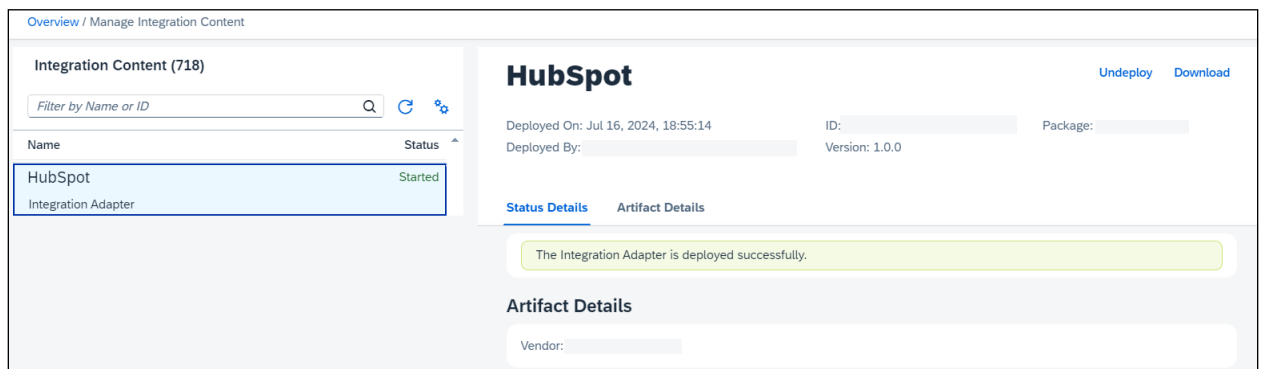
After the adapter deployment is complete, you can check the status in the **Monitor** section.

### Purpose

To check the status of the deployed adapter.

### Procedure

1. Under the **Monitor** tab, click **Integrations and APIs**. This opens the **Overview** page.
2. On the **Overview** page, go to **Manage Integration Content** section and click **All**. This opens **Integration Content** page with a list of all the deployed adapters.
3. Here, you can check and confirm the deployment status of your adapter.



## 2.5. HubSpot Plug-in Installation

### 2.5.1. Prerequisites

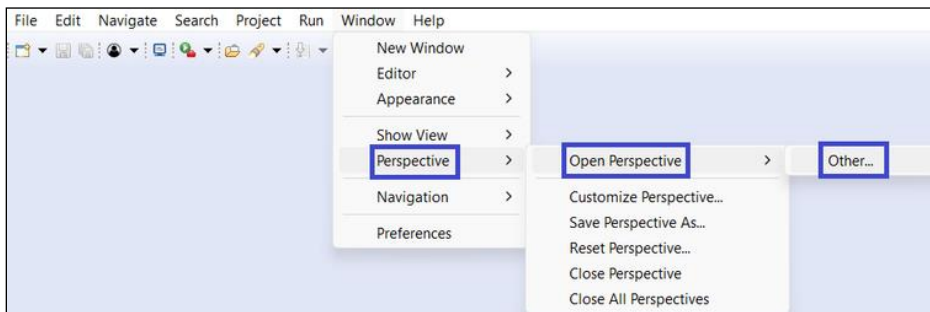
Before you begin, you must download the HubSpot Plug-in bundle from the SAP Marketplace. For more information, see [HubSpot Installation and Configuration](#).

### 2.5.2. Procedure

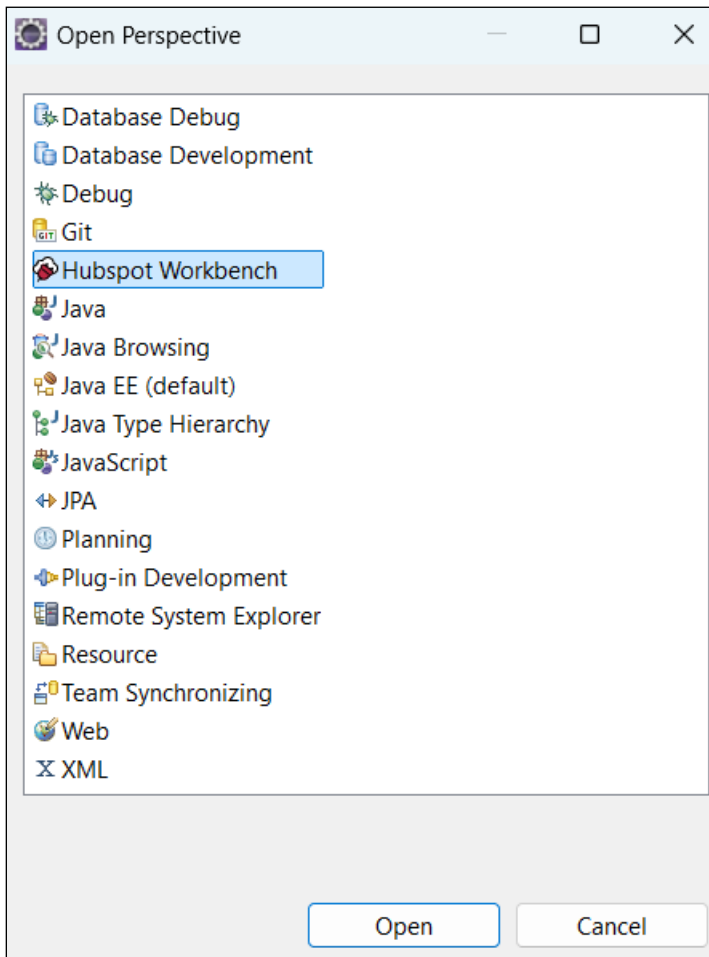
To install the HubSpot Plug-in, follow these steps:

1. Download and install Eclipse Oxygen 3a from [Eclipse Oxygen](#).

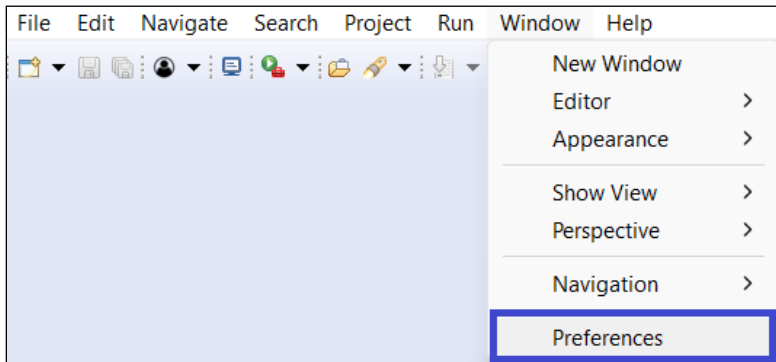
2. After Eclipse installation, go to your Eclipse installation folder (Example: C:\Program Files (x86)\oxygen\eclipse) and open the Plug-in folder.
3. Copy the HubSpot Plug-in JAR file (that you downloaded from the SAP Marketplace) into the Plug-in folder.
4. Open Eclipse Oxygen and go to **Window > Perspective > Open Perspective > Other.**



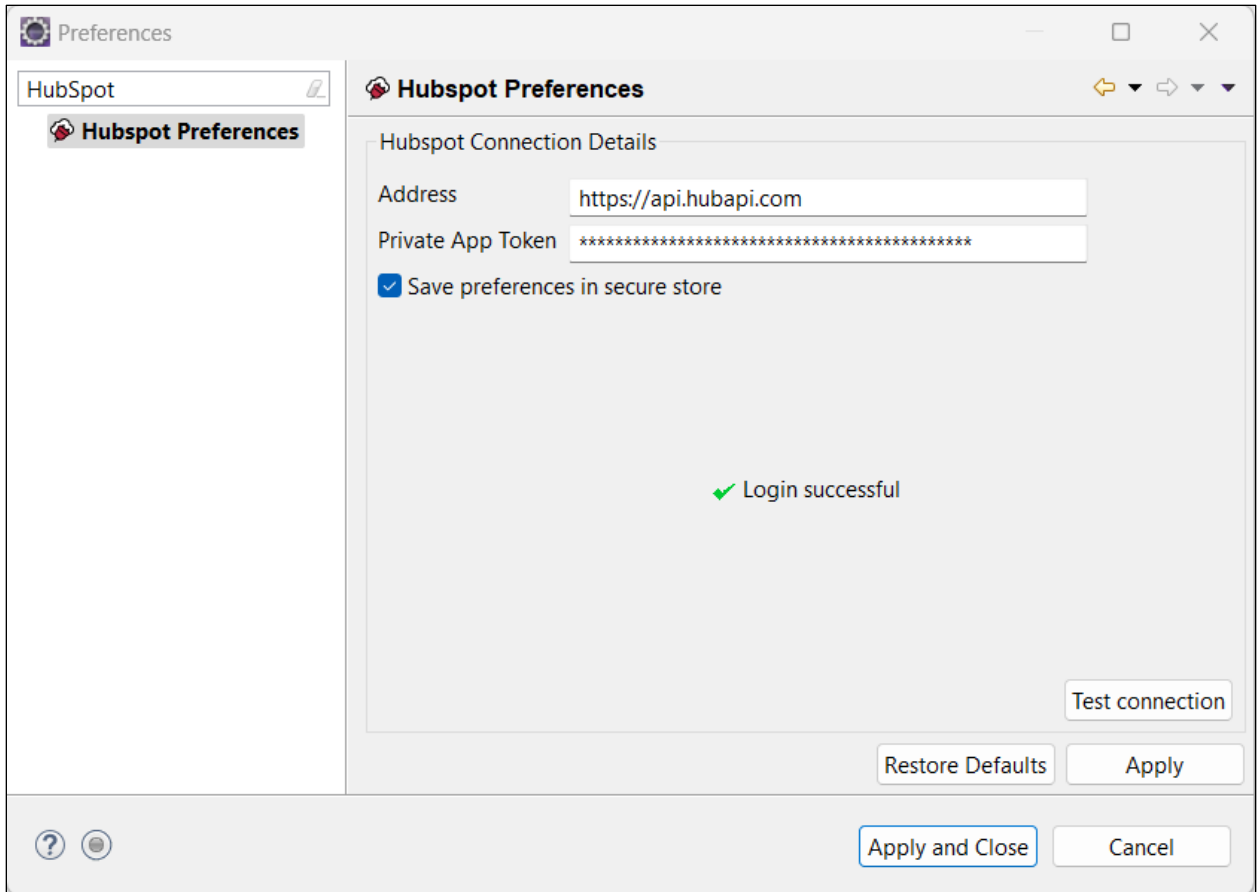
5. Select **HubSpot Adapter Workbench** and click **Open**.



6. Go to **Window > Preferences > HubSpot Preferences**.



7. In the **HubSpot Preferences** widget, fill in the **HubSpot Settings** details. You can retrieve these details from your HubSpot tenant. To retrieve Settings details and respective login credentials to set up a HubSpot connection to the specific tenant, see [HubSpot Adapter Guide](#).
8. Verify the settings details and the credentials by clicking the **Test Connection** tab.
9. Upon successful test, click **Apply and Close** to complete the installation.



## 3. Getting Started: HubSpot Adapter

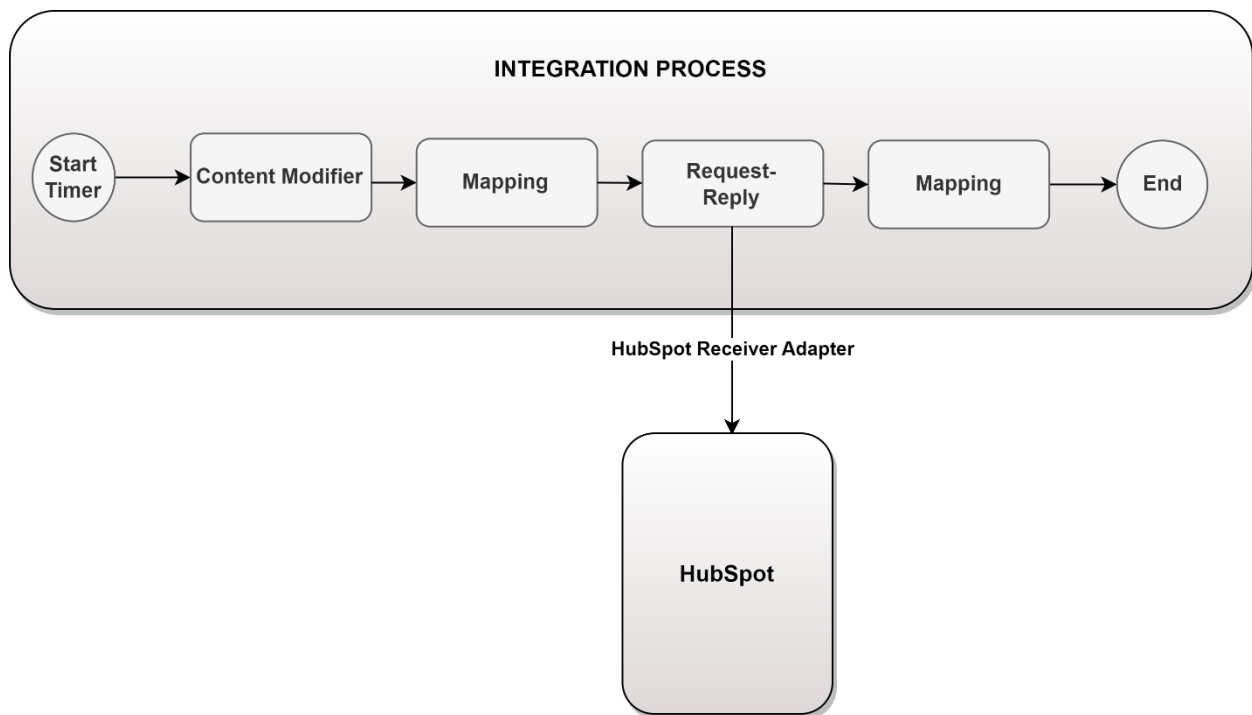
This section explains how to configure the HubSpot adapter for SAP Cloud Integration. You can find information about adapter architecture, application configuration, authentication, and supported versions for HubSpot Adapter. Finally, you can find additional information like troubleshooting tips under [HubSpot Support](#).

### 3.1. Architecture Overview

The HubSpot adapter is designed to function as a receiver adapter. In such a scenario where the HubSpot Adapter is used as a receiver adapter, SAP Cloud Integration acts as the initiator of the calls.

The HubSpot adapter supports CRUD operations such as Create an association, Read a deal, Update a company, Delete a file, etc. For more information, see [Operations supported in HubSpot](#).

The figure below demonstrates the request-reply step using a HubSpot adapter and gives a high-level representation of how the adapter works.



The HubSpot adapter works as a *Request-Reply* step in the integration process, responsible for connecting and interacting with HubSpot to invoke its operations. The Eclipse Plug-in is used to help the user generate XSDs of the different categories and entities that are available in your HubSpot tenant.

The XSDs generated by the Eclipse Plug-in can be imported in an Integration Flow and used in mappings.

- For instance, it can be added before the *Request-Reply* Step in the above mapping. This way, you can create the correct XML request message to create or modify a resource in HubSpot (see the Mapping Step on the left side of the Request-Reply Step).
- Similarly, you can use the XSDs to create a mapping to handle the response message returned by HubSpot (see the Mapping Step on the right side of the Request-Reply Step).

Furthermore, the Eclipse Plug-in XSD Generator helps you generate up-to-date XSDs for your HubSpot resources for all the different operations. For more details about the HubSpot plug-in and XSD Generator configuration, see [HubSpot Plug-in Installation](#).


## 3.2. Application Configuration

You can connect to HubSpot via the HubSpot adapter using your user credentials. For information related to account creation and setup, see [HubSpot Documentation](#).

## 3.3. Authentication

This section details the authentication mechanism supported by HubSpot Adapter in SAP Cloud Integration. The HubSpot adapter supports two authentication methods: OAuth2 and private app access. OAuth is a secure authentication method that uses authorization tokens instead of passwords to link your app with a user account. Initiating OAuth access is the first step in enabling users to install your app within their HubSpot accounts. It requires an OAuth2 Credential Alias for OAuth2 and a Token Alias for private apps.

Private apps enable API access to specific data within your HubSpot account. You can control what each private app can request or modify in your account, generating a unique access token for your app.

 You must be a [super admin](#) to access private apps in your HubSpot account.

### 3.3.1. Creating Credentials in Security Material

As there are two types of authentication methods. Credentials can be created for each type as follows:

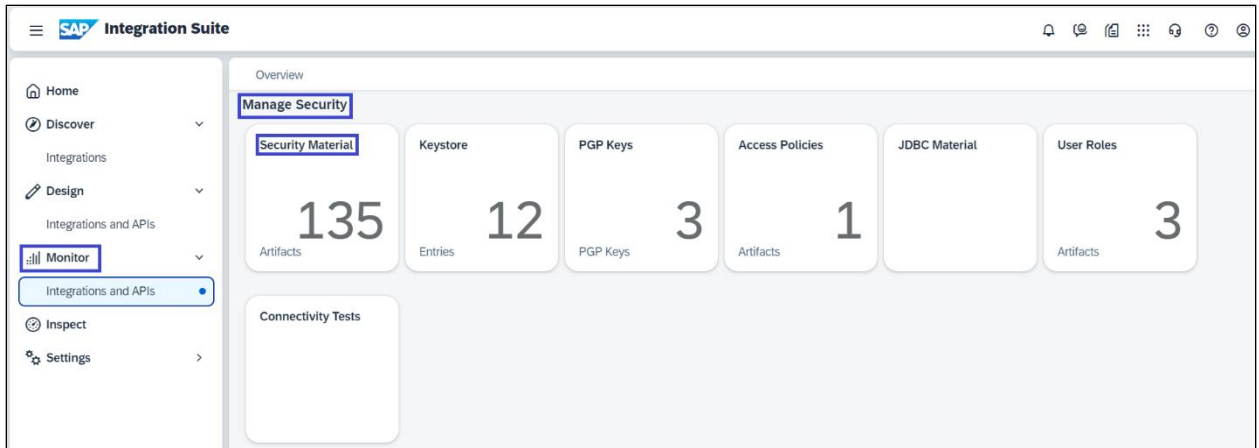
#### 3.3.1.1 OAuth2 authentication

##### Purpose

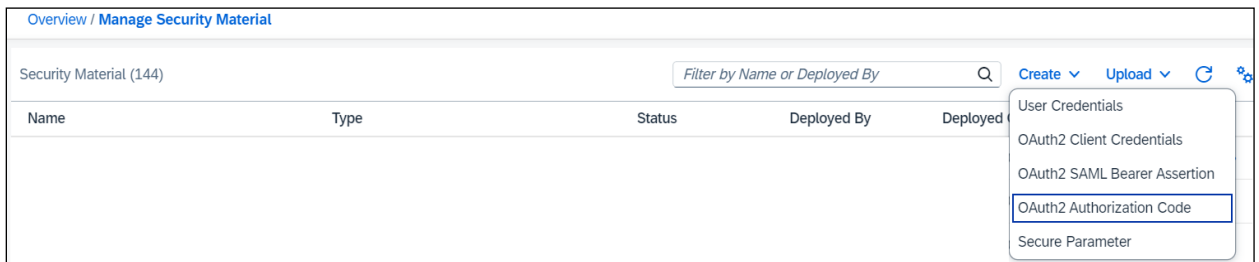
To create credentials in Security Material for OAuth2 authentication.

##### Procedure

1. In SAP Integration Suite, navigate to **Monitor > Integrations and APIs**. This opens the **Overview** page.
2. On the **Overview** page, go to **Manage Security** section and click **Security Material**.




- On **Manage Security Material** page, click **Create** to select **OAuth2 Authorisation Code** from the dropdown.



- In the **Create OAuth2 Authorization Code** popup, provide the below details.

Field	Description
Name	Specify the name for the security artifact.  The artifact name is used as an alias for the confidential data assigned by this parameter.
Description	Enter a description for the artifact (optional).
Provider	Enter the name of the provider of the platform on which you created the OAuth2 client.  Example: Generic
Authorization URL	Provide the Authorization URL for authorizing the OAuth client to access resources of a user.
Token Service URL	Address of the token service that issues the access token.

Field	Description
Redirect URL	Displays the URL you need, when creating the OAuth Clients/App in OAuth Authorization Server/Token Server.
Client ID	Specify the ID of the client you want to connect to.
Client Secret	Specify the Secret key of the client to which you are connecting.
Send As	Body Parameter: Send the Client ID and Client Secret in the request body when calling the Authorization URL or Token Service URL.
User Name	Name of the user whose resources the OAuth2 client gets access to.
Scope	<p>OAuth2 scopes protecting the access to the resources.</p> <p>The scope value is added to the Authorization URL (see above) as query parameter and is also added to the Token Service URL, in case of the "authorization_code" grant type request; but is not added to the Token Service URL in case of the "refresh_token" grant type request (see above).</p> <p> If you add more than 1 scope, you need to separate your scopes by a blank space.</p>

5. Click **Deploy** to complete the process.

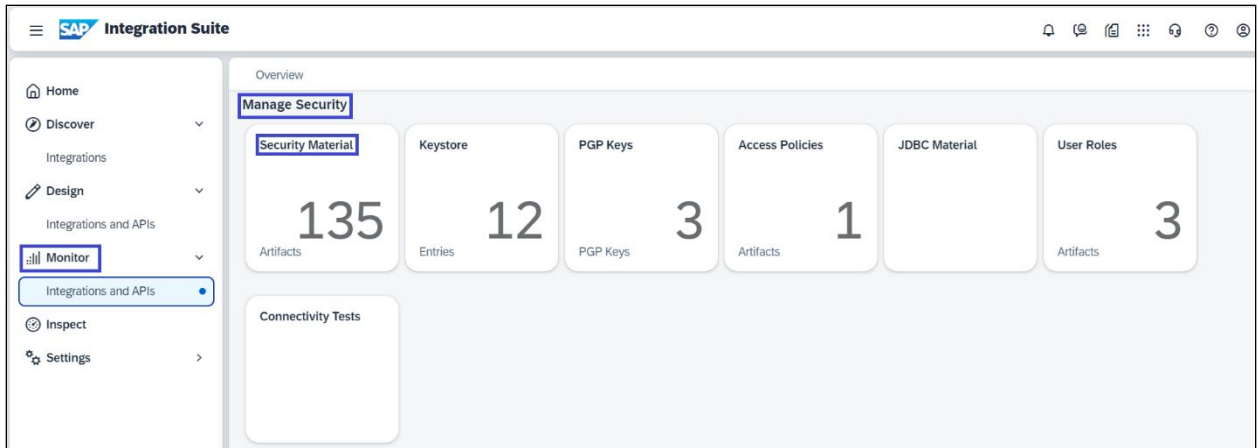
### 3.3.1.2 Private app

#### Purpose

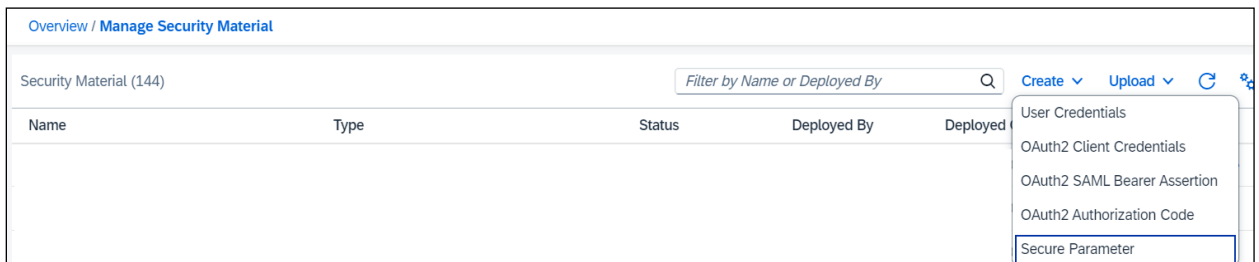
To create credentials in Security Material for the Private app authentication mechanism.

#### Procedure

1. In SAP Integration Suite, navigate to **Monitor > Integrations and APIs**. This opens the **Overview** page.
2. On the **Overview** page, go to **Manage Security** section and click **Security Material**.



- On **Manage Security Material** page, click **Create** to select **Secure Parameter** from the dropdown.



- In the **Create Secure Parameter** popup, provide the below details.

Field	Description
Name	Specify the name of the security artifact. The artifact name is used as an alias for the confidential data.
Description	Enter a description for the artifact (optional).
Secure Parameter	Enter the confidential value of the attribute. The permissible length of the secure parameter for Cloud Foundry is a maximum of 4096 characters.
Repeat Secure Parameter	Repeat the confidential value of the attribute.


5. Click **Deploy** to complete the process.

When you refresh the **Manage Security Material** page, the new artifact is displayed (with Type **Credentials**) in the artifact table.

### 3.4. Supported version

The supported API versions are listed in the table below.

- v1
- v2
- v3
- v4

 The supported category and entity vary depending on the API version.

# 4. HubSpot Adapter Configuration

This section describes the parameters to be configured for your HubSpot adapter. You need to configure the **General**, **Connection** and **Processing** tabs. A description and example usage for every field has been added.

## HubSpot Receiver Adapter

In this section, you will learn how to configure the HubSpot receiver adapter. On selecting the HubSpot adapter from the list of adapters, you must configure the **General**, **Connection**, and **Processing** tabs.

### 4.1 General

The General tab provides an overview of basic adapter information including **Channel** and **Adapter** details.

The screenshot shows the configuration interface for a HubSpot adapter. At the top, there are three tabs: 'General' (selected), 'Connection', and 'Processing'. Below the tabs, the 'Name' field is set to 'HubSpot'. The interface is divided into two main sections: 'CHANNEL DETAILS' and 'ADAPTER DETAILS'. Under 'CHANNEL DETAILS', the 'Direction' is 'Receiver', the 'System' is 'Receiver', and there is an empty 'Description' field. Under 'ADAPTER DETAILS', the 'Adapter Type' is 'HubSpot', the 'Transport Protocol' is 'HTTPS', and the 'Message Protocol' is 'REST'.

Only the Name and Description fields are editable.

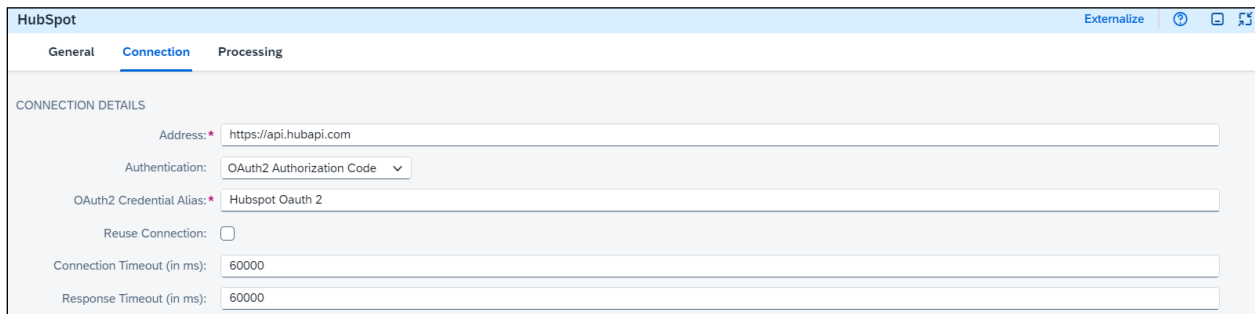
Field	Description
Name	Name of the adapter flow
Description	Description of the adapter

## 4.2 Connection

The Connection tab contains connection and authentication parameters for HubSpot.

### Using Credentials

The Security artifact created in the [previous section](#) should be used in the **Connection tab** of the Adapter as shown in Figure below.



The screenshot shows the HubSpot configuration interface with the 'Connection' tab selected. The 'CONNECTION DETAILS' section includes the following fields:

- Address: \* https://api.hubapi.com
- Authentication: OAuth2 Authorization Code (dropdown)
- OAuth2 Credential Alias: \* Hubspot OAuth 2
- Reuse Connection:
- Connection Timeout (in ms): 60000
- Response Timeout (in ms): 60000

The connection tab contains the following fields:

Field	Description
Address	Specify the recipient's Endpoint URL. Example: https://api.hubapi.com
Authentication	Select your Authentication Method.
OAuth2 Credential Alias	Specify the OAuth2 Credential alias.
Token Alias	Specify the Token alias.
Reuse Connection	Enable this checkbox if you need to reuse the connection.
Connection Timeout (in ms)	Specify the maximum waiting time (in milliseconds) while establishing a connection with HubSpot.
Response Timeout (in ms)	Specify the maximum waiting time (in milliseconds) for a response message to be received from HubSpot.



## 4.3 Processing


The Processing tab lists all the operations that can be performed on the database through the adapter.



The screenshot shows the HubSpot configuration interface with the 'Processing' tab selected. The interface is divided into three main sections: PROCESSING DETAILS, FORMAT, and HEADER DETAILS. Under PROCESSING DETAILS, there are dropdown menus for Configuration Type (Basic), API Version (v3), Category (CRM), Entity (Contacts), and Operation (Update a batch of contacts). Under FORMAT, there are dropdown menus for Request Format (Application/JSON) and Response Format (Application/JSON). Under HEADER DETAILS, there are text input fields for Request Headers and Response Headers, with the Response Headers field containing an asterisk (\*).




Field	Description
<b>Processing Details</b>	
Configuration Type	Specify the configuration type, select Basic to use the dropdowns and parameter text fields. Select Advanced to provide the relative URL (endpoint excluding the host).
API Version	Select the version of the API to be used for this interaction with HubSpot.
Category	Select the required Category.
Entity	Specify the HubSpot Entity based on which the operation will be performed.
Operation	Specify the type of action to be executed. This field is based on the selection of the above fields. For more information, see <a href="#">Supported Operations</a> .
Relative URL	Specify the endpoint path, excluding the Host. Example: /crm/v3/objects/contacts.

Field	Description
HTTP Method	Select the HTTP Method.
Entity ID	Specify the Entity ID corresponding to the Entity selected in the drop-down above.  Example: For Entity 'Contacts' enter the contact ID.
From Object Type	Specify the "From Object Type". Note that this value can also be read dynamically.
To Object Type	Specify the "To Object Type". Note that this value can also be read dynamically.
Object Type	Specify the Object Type. Note that this value can also be read dynamically.
Object ID	Specify the Object ID. Note that this value can also be read dynamically.
To Object ID	Specify the "To Object ID". Note that this value can also be read dynamically.
From Object ID	Specify the "From Object ID". Note that this value can also be read dynamically.
App ID	Specify the App ID. Note that this value can also be read dynamically.
Task ID	Specify the Task ID. Note that this value can also be read dynamically.
Event Template ID	Specify the Event Template ID. Note that this value can also be read dynamically.
Event ID	Specify the Event ID. Note that this value can also be read dynamically.
Token Name	Specify the Token Name. Note that this value can also be read dynamically.
Group Name	Specify the Group Name. Note that this value can also be read dynamically.
Property Name	Specify the Property Name. Note that this value can also be read dynamically.

Field	Description
Stage ID	Specify the Stage ID. Note that this value can also be read dynamically.
Source List ID	Specify the Source List ID. Note that this value can also be read dynamically.
Revision ID	Specify the Revision ID. Note that this value can also be read dynamically.
Blog ID	Specify the Blog ID. Note that this value can also be read dynamically.
Table Id or Table Name	Specify the Table ID or Table Name. Note that this value can also be read dynamically.
Version Id	Specify the Version ID. Note that this value can also be read dynamically.
Media type	<p>Specify the Media Type. Note that this value can also be read dynamically.</p> <p>Example: <code>IMAGE</code></p> <div data-bbox="505 1104 1419 1192" style="background-color: #e6f2ff; padding: 5px;">  For all possible values for this field, see <a href="#">HubSpot documentation</a>. </div>
oEmbed Domain Id	Specify the oEmbed Domain ID. Note that this value can also be read dynamically.
Path	Specify the Path. Note that this value can also be read dynamically.
Content ID	Specify the Content ID. Note that this value can also be read dynamically.
Environment	<p>Specify the Environment. Note that this value can also be read dynamically.</p> <p>Example: <code>draft</code></p> <div data-bbox="505 1734 1419 1822" style="background-color: #e6f2ff; padding: 5px;">  For all possible values for this field, see <a href="#">HubSpot documentation</a>. </div>

Field	Description
User ID	Specify the User ID. Note that this value can also be read dynamically.
Folder Path	Specify the Folder Path. Note that this value can also be read dynamically.
Folder ID	Specify the Folder ID. Note that this value can also be read dynamically.
File Name	Specify the File Name. Note that this value can also be read dynamically.
Options	<p>Specify a JSON object for file privacy and indexability. Note that this value can also be read dynamically.</p> <p>Example: {"access": "PUBLIC_INDEXABLE"}</p> <p> For more information and possible values for this field, see <a href="#">HubSpot documentation</a>.</p>
Thread ID	Specify the Thread ID. Note that this value can also be read dynamically.
Actor ID	Specify the Actor ID. Note that this value can also be read dynamically.
Channel ID	Specify the Channel ID. Note that this value can also be read dynamically.
Channel Account ID	Specify the Channel Account ID. Note that this value can also be read dynamically.
Definition ID	Specify the Definition ID. Note that this value can also be read dynamically.
Callback ID	Specify the Callback ID. Note that this value can also be read dynamically.

Field	Description
Function Type	<p>Specify the Function Type. Note that this value can also be read dynamically.</p> <p>Example: <code>PRE_ACTION_EXECUTION</code></p> <p> For all possible values for this field, see <a href="#">HubSpot documentation</a>.</p>
Function ID	<p>Specify the Function ID. Note that this value can also be read dynamically.</p>
Email ID	<p>Specify the Email ID. Note that this value can also be read dynamically.</p>
Creation Timestamp	<p>Specify the Timestamp Created. Note that this value can also be read dynamically.</p> <p>Example: <code>2024-07-29T12:27:43.787Z</code></p>
Campaign ID	<p>Specify the Campaign ID. Note that this value can also be read dynamically.</p>
Breakdown By	<p>Specify the Breakdown By. Note that this value can also be read dynamically.</p> <p>Example: <code>sessions</code></p> <p> For all possible values for this field, see <a href="#">HubSpot documentation</a>.</p>
Content Type	<p>Specify the Content Type. Note that this value can also be read dynamically.</p> <p>Example: <code>standard-pages</code></p> <p> For all possible values for this field, see <a href="#">HubSpot documentation</a>.</p>

Field	Description
Time Period	<p>Specify the Time Period. Note that this value can also be read dynamically.</p> <p>Examples: <code>weekly</code></p> <p> For all possible values for this field, see <a href="#">HubSpot documentation</a>.</p>
External Event ID	<p>Specify the External Event ID. Note that this value can also be read dynamically.</p>
Subscriber State	<p>Specify the Subscriber State. Note that this value can also be read dynamically.</p> <p>Example: <code>REGISTERED</code></p> <p> For all possible values for this field, see <a href="#">HubSpot documentation</a>.</p>
Token Id	<p>Specify the Token ID. Note that this value can also be read dynamically.</p>
VID	<p>Specify the VID of the contact. Note that this value can also be read dynamically.</p> <p> This is helpful for integrations that display contact data in other interfaces. The contact's unique ID is stored in the 'vid' field, which stands for 'visitor ID.'</p>
Offset	<p>Specify the offset as expected to the operation. Note that this value can also be read dynamically.</p>
Limit	<p>Specify the limit as expected for the operation. Note that this value can also be read dynamically.</p>
Property/Properties	<p>Specify the comma-separated values that are to be retrieved. Note that this value can also be read dynamically.</p>
Properties With History	<p>Specify the comma-separated values for which the history with timestamps should be retrieved. Note that this value can also be read dynamically.</p>

Field	Description
Query Parameters	Specify comma-separated query parameters. Note that this value can also be read dynamically.
Request Format	<p>Select the payload format of request body.</p> <p>Example: Application/XML</p>
Response Format	<p>Select the payload format of response body.</p> <p>Example: Application/JSON</p>
<b>Header Details</b>	
Request Headers	<p>Enter a list of custom headers, separated by a pipe ( ), to send to the target system. By default, no custom headers are sent. Use an asterisk (*) to send all custom headers to the target system. Alternatively, you can dynamically pass the values by defining a property that includes a list of headers.</p>
Response Headers	<p>Enter a list of headers coming from the target system's response, separated by a pipe ( ), to be received in the message. Use an asterisk(*) to receive all the headers from the target system, which is also the default value.</p>

# 5. HubSpot Adapter Operations

This section lists and describes some of the operations supported by the HubSpot adapter. For a comprehensive list of all operations available in HubSpot, see [Appendix](#), and for detailed information on any particular operation, see [HubSpot documentation](#).

There are two configuration types available to execute any operation which are Basic and Advanced by selecting the option in the dropdown. For more information about configuration, see below added operations.

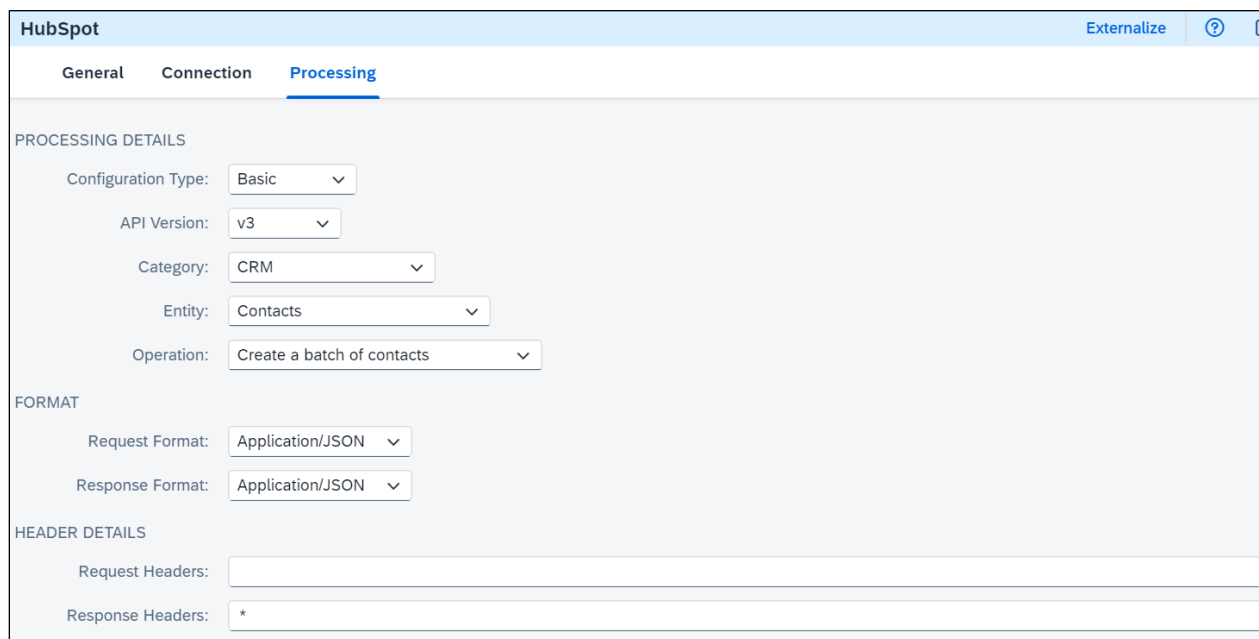
## 5.1 Basic Configuration

In this section, you will find details of some operations using the basic configuration type.

### 5.1.1 Create a batch of contacts (v3/CRM/Contacts)

This operation is used to create a batch of contacts in HubSpot. These values must be specified by JSON in the request body. You can configure the processing tab as shown in the image below to execute this operation.

Sample configuration:



The screenshot displays the HubSpot configuration interface for the 'Create a batch of contacts' operation. The interface is divided into three main sections: PROCESSING DETAILS, FORMAT, and HEADER DETAILS. The 'Processing' tab is selected, and the configuration is set to 'Basic' type, 'v3' API version, 'CRM' category, 'Contacts' entity, and 'Create a batch of contacts' operation. The 'Request Format' and 'Response Format' are both set to 'Application/JSON'. The 'Request Headers' field is empty, and the 'Response Headers' field contains an asterisk (\*).

Section	Field	Value
PROCESSING DETAILS	Configuration Type	Basic
	API Version	v3
	Category	CRM
	Entity	Contacts
	Operation	Create a batch of contacts
FORMAT	Request Format	Application/JSON
	Response Format	Application/JSON
HEADER DETAILS	Request Headers	
	Response Headers	*

Field	Value
Configuration Type	Select the configuration type. Example: <code>Basic</code>
API Version	Select an API version to connect to HubSpot. Example: <code>v3</code>
Category	Select a Category. Example: <code>CRM</code>
Entity	Select an Entity. Example: <code>Contacts</code>
Operation	Specify the operation to be executed. Example: <code>Create a batch of contacts</code>
Payload Format	Select the request and response payload format. It can be either XML or JSON. Example: <code>application/XML</code>

You must provide the input data in the payload.

```
{
  "inputs": [
    {
      "associations": [
        {
          "types": [
            {
              "associationCategory": "HUBSPOT_DEFINED",
              "associationTypeId": 0
            }
          ],
          "to": {
            "id": "string"
          }
        }
      ],
      "properties": {
        "additionalProp1": "string",
        "additionalProp2": "string",
        "additionalProp3": "string"
      }
    }
  ]
}
```

## 5.1.2 Update a company (v3/CRM/Companies)

This operation is used to update an existing company with new properties or property values. These properties/values must be specified by JSON in the request body. You can configure the processing tab as shown in the image below to execute this operation.

Sample configuration:

The screenshot shows the HubSpot API configuration interface. The top navigation bar includes 'HubSpot', 'Externalize', and a help icon. Below the navigation bar are three tabs: 'General', 'Connection', and 'Processing', with 'Processing' being the active tab. The main content area is divided into three sections: 'PROCESSING DETAILS', 'FORMAT', and 'HEADER DETAILS'. Under 'PROCESSING DETAILS', there are several dropdown menus and a text input field: 'Configuration Type' (Basic), 'API Version' (v3), 'Category' (CRM), 'Entity' (Companies), 'Operation' (Update a company), and 'Entity ID' (17116724629). There is also an empty 'Query Parameters' field. Under 'FORMAT', there are two dropdown menus: 'Request Format' (Application/JSON) and 'Response Format' (Application/JSON). Under 'HEADER DETAILS', there are two empty text input fields: 'Request Headers' and 'Response Headers' (containing an asterisk).

Field	Description
Configuration Type	Select the configuration type. Example: <code>Basic</code>
API Version	Select an API version to connect to HubSpot. Example: <code>v3</code>
Category	Select a Category. Example: <code>CRM</code>

Field	Description
Operation	Specify the operation to be executed. Example: Update a company
Entity	Select an Entity. Example: Companies
Entity ID	Specify the Entity ID corresponding to the Entity selected in the drop-down above. Example: For Entity 'Companies' enter the company ID.
Query Parameters	Specify a comma separated query parameters.
Payload Format	Select the request and response payload format. It can be either XML or JSON. Example: application/XML

You must provide the input data in the payload.

```
{
  "properties": {
    "property_date": "1572480000000",
    "property_radio": "option_1",
    "property_number": "17",
    "property_string": "value",
    "property_checkbox": "false",
    "property_dropdown": "choice_b",
    "property_multiple_checkboxes": "chocolate;strawberry"
  }
}
```

### 5.1.3 Read a deal (v3/CRM/Deals)

In HubSpot, deals represent transactions with contacts or companies. This operation allows you to fetch the information related to a deal available in HubSpot. You can configure the processing tab as shown in the image below to execute this operation.

## Sample configuration:

HubSpot
Externalize ⓘ 🔍

General
Connection
Processing

**PROCESSING DETAILS**

Configuration Type:

API Version:

Category:

Entity:

Operation:

Entity ID:\*

Properties:

Properties With History:

Query Parameters:

**FORMAT**

Request Format:

Response Format:

**HEADER DETAILS**

Request Headers:

Response Headers:

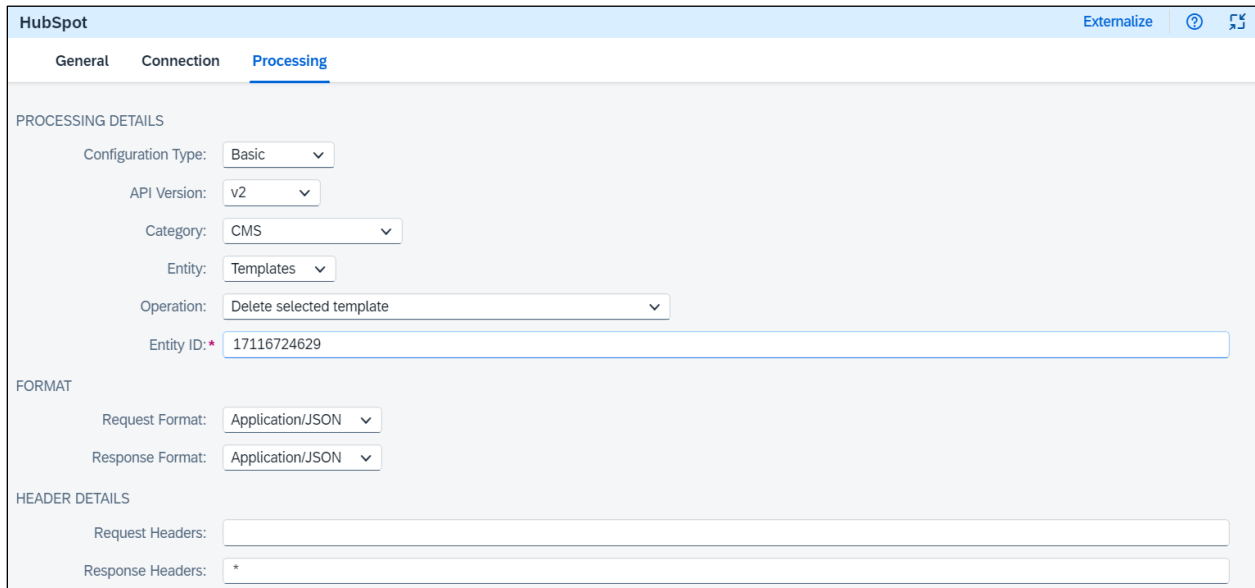
Field	Description
Configuration Type	Select the configuration type. Example: <code>Basic</code>
API Version	Select an API version to connect to HubSpot. Example: <code>v3</code>
Category	Select a Category. Example: <code>CRM</code>
Operation	Specify the operation to be executed. Example: <code>Read a deal</code>
Entity	Select an Entity. Example: <code>Deals</code>

Field	Description
Entity ID	<p>Specify the Entity ID corresponding to the Entity selected in the drop-down above.</p> <p>Example: For Entity 'Deals' enter the deal ID.</p>
Properties	<p>Specify a comma separated list of the properties to be returned in the response. If the requested deal does not have a value for a property, it will not appear in the response.</p> <p>Example: dealname</p>
Properties With History	<p>Specify a comma separated list of the current and historical properties to be returned in the response. If the requested deal does not have a value for a property, it will not appear in the response.</p> <p>Example: dealstatus</p>
Query Parameters	<p>Specify a comma separated query parameters.</p>
Payload Format	<p>Select the request and response payload format. It can be either XML or JSON.</p> <p>Example: <code>application/XML</code></p>

### 5.1.5 Delete selected template (v2/CMS/Templates)

This operation allows for the deletion of a specific template that is available in HubSpot. You can configure the processing tab as shown in the image below to execute this operation.

## Sample configuration:



HubSpot Externalize

General Connection **Processing**

PROCESSING DETAILS

Configuration Type: Basic

API Version: v2

Category: CMS

Entity: Templates

Operation: Delete selected template

Entity ID: \* 17116724629

FORMAT

Request Format: Application/JSON

Response Format: Application/JSON

HEADER DETAILS

Request Headers:

Response Headers: \*

Field	Description
Configuration Type	Select the configuration type. Example: <code>Basic</code>
API Version	Select an API version to connect to HubSpot. Example: <code>v2</code>
Category	Select a Category. Example: <code>CMS</code>
Operation	Specify the operation to be executed. Example: <code>Delete selected template</code>
Entity	Select an Entity. Example: <code>Templates</code>
Entity ID	Specify the Entity ID corresponding to the Entity selected in the drop-down above. Example: For Entity 'Template' enter the template ID.

Field	Description
Payload Format	Select the request and response payload format. It can be either XML or JSON.  Example: <code>application/XML</code>

## 5.1.6 Get an email event by ID (v1/Analytics and Events/Email Analytics)

This operation allow to Query the event log for a specific event and get results for that email event. You can configure the processing tab as shown in the image below to execute this operation.

Sample configuration:

The screenshot shows the HubSpot configuration interface for the 'Get an email event by ID' operation. The interface is divided into three main sections: PROCESSING DETAILS, FORMAT, and HEADER DETAILS.

- PROCESSING DETAILS:**
  - Configuration Type: Basic
  - API Version: v1
  - Category: Analytics and Events
  - Entity: Email Analytics
  - Operation: Get an email event by ID
  - Email ID: john.doe@email.com
  - Creation Timestamp: 2024-07-29T12:27:43.787Z
- FORMAT:**
  - Request Format: Application/JSON
  - Response Format: Application/JSON
- HEADER DETAILS:**
  - Request Headers: (empty field)
  - Response Headers: \*

Field	Description
Configuration Type	Select the configuration type.  Example: <code>Basic</code>
API Version	Select an API version to connect to HubSpot.  Example: <code>v1</code>

Field	Description
Category	Select a Category. Example: <code>Analytics and Events</code>
Operation	Specify the operation to be executed. Example: <code>Email Analytics</code>
Entity	Select an Entity. Example: <code>Get an email event by ID</code>
Email ID	Specify the Email ID.
Creation Timestamp	Specify the Timestamp Created. Note that this value can also be read dynamically. Example: <code>2024-07-29T12:27:43.787Z</code>
Payload Format	Select the request and response payload format. It can be either XML or JSON. Example: <code>application/XML</code>

### 5.1.7 Create an association (v4/CRM/Associations)

In HubSpot, Associations represent the relationships between objects and activities in the HubSpot CRM. Record associations can exist between records of different objects (e.g., Contact to Company), as well as within the same object (e.g., Company to Company).

This operation allows you to create an association in HubSpot.

You can configure the processing tab as shown in the image below to execute this operation.

HubSpot Externalize ?

General Connection **Processing**

PROCESSING DETAILS

Configuration Type: Basic

API Version: v4

Category: CRM

Entity: Associations

Operation: Create an association

To Object Type: COMPANY

Object Type: CONTACT

Object ID: 51

To Object ID: 3164773776

FORMAT

Request Format: Application/JSON

Response Format: Application/JSON

HEADER DETAILS

Request Headers:

Response Headers: \*

Sample configuration:

Field	Description
Configuration Type	Select the configuration type.  Example: <code>Basic</code>
API Version	Select an API version to connect to HubSpot.  Example: <code>v4</code>
Category	Select a Category.  Example: <code>CRM</code>
Operation	Specify the operation to be executed.  Example: <code>Create an association</code>
Entity	Select an Entity.  Example: <code>Association</code>
To Object Type	Specify the object you are associating the record to.  Example: <code>company</code>


Field	Description
Object Type	Specify the type of the object you are associating.  Example: contact
Object ID	Specify the ID of the record to associate.  Example: 51 (Contact ID)
To Object ID	Specify the ID of the record to associate to.  Example: 3164773776 (Company ID)

You must provide the input data in the payload.

```
{
  "inputs": [
    {
      "types": [
        {
          "associationCategory": "HUBSPOT_DEFINED",
          "associationTypeId": 0
        }
      ],
      "from": {
        "id": "string"
      },
      "to": {
        "id": "string"
      }
    }
  ]
}
```

## 5.2 Advanced Configuration

This configuration type allows you to perform any operation by specifying the Endpoint URL and the request can be manually customized as per the requirement.

 Ensure the data matches HubSpot's acceptable format when using the Advanced configuration with the adapter.

Sample configuration:

HubSpot Externalize ⓘ ⚙️ ↺

General Connection **Processing**

PROCESSING DETAILS

Configuration Type:

HTTP Method:

Relative URL:

HEADER DETAILS

Request Headers:

Response Headers:

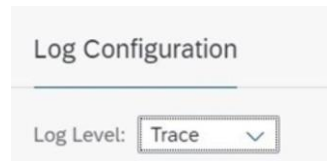
Field	Description
Configuration Type	Select the configuration type. Example: <code>Advanced</code>
HTTP Method	Select the http method. Example: <code>POST</code> Possible values: <ul style="list-style-type: none"> <li>• DELETE</li> <li>• GET</li> <li>• HEAD</li> <li>• PATCH</li> <li>• POST</li> <li>• PUT</li> </ul>
Relative URL	Specify the part of the endpoint excluding the host. Example: <code>https://api.hubapi.com/crm/v3/objects/companies/batch/create</code>
Payload Format	Select the request and response payload format. It can be either XML or JSON. Example: <code>application/XML</code>

# 6. HubSpot Support

## 6.1. Traces

You can monitor, debug, and analyze errors or issues by changing the **Log level** of your integration flow to **Traces**.

You can enable this under **Log Configuration** under **Monitor > Manage Integration Content** page in SAP Cloud Integration.



The Trace Log level enables the collection of more traces to effectively understand the issues. These traces can also be used in a ticket.

## 6.2. Troubleshooting

### 6.2.1. Missing Query Parameters

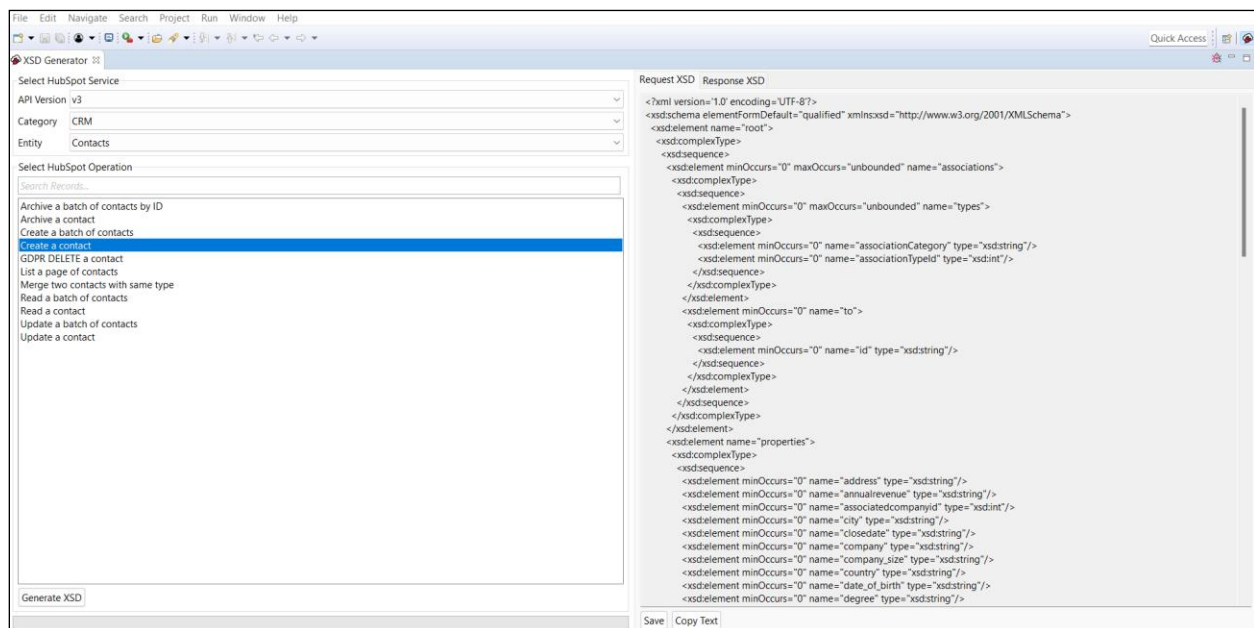
Error	Reason	Resolution
<p>Example error message for the operation Get all events:</p> <pre>{"status": "error", "message": "Must specify an eventType or objectType", "correlationId": "13ab7160-2be8-438c-9af9-07cf3ec16a62", "category": "VALIDATION_ERROR"}</pre>	<p>The required query parameter for this operation is missing.</p>	<p>Include the required query parameter in the query parameter field under Basic configuration or add it to the relative URL for Advanced configuration.</p>

# 7. References

## 7.1. XSD Generator

The XSD Generator is developed to support mapping operations in integration scenarios. It generates request and response XSDs for multiple endpoints that are specific to the HubSpot instance.

In the image below, the right side of the view contains a request and response tab that will show the resulting XSD.



To generate the XSD:

1. Open **Eclipse**.
2. Go to **Windows > Perspective > Open Perspective > Other**.
3. Select **HubSpot Workbench Adapter** and click **Open**.
4. Select **API Version**, **Category** and **Entity** from the respective dropdowns.
5. Choose the operation from the **HubSpot Operation** list that matches the selected category and entity.
6. Click **Generate XSD**.
7. Click **Save** to save the displayed XSD. Switch tabs to save the corresponding response/request. Click **Copy Text** to copy the XSD text to your clipboard.

## 8. Appendix

This section lists and describes all the operations supported by the HubSpot adapter. The below operations are arranged as per the HubSpot API version specified for Basic configuration. For detailed information on any particular operation, see [HubSpot documentation](#).

The following tables provides information regarding the configuration of various operations available in HubSpot.

API Version	Category	Entity	Operation
v1	Analytics & Events	Email Analytics	Get all campaign IDs for a portal, Get an email event by ID, Get email events, Get campaign data for a given campaign, Get campaign IDs with recent activity for a portal
v1	Marketing	Marketing Emails	Clone a marketing email, Create a marketing email, Delete a marketing email, Determine the buffer of a marketing email, Get all marketing emails, Get revisions of a marketing email, Get the details for a marketing email, Get the statistics for a marketing email, Get the statistics of all marketing emails, Restore a deleted marketing email, Update a marketing email
v1	CMS	Media Bridge	Create a media bridge setting, Read a media bridge setting, Update a media bridge setting, Update a media bridge object definition, Read a media bridge object definition by media type, Delete a media bridge oembed domain, Read a media bridge oembed domain, Update a media bridge oembed domain, Read a media bridge oembed domain by ID, Update a media bridge oembed domain by ID, Update a media bridge setting register

API Version	Category	Entity	Operation
v2	CMS	Layouts	Determine if the auto-save buffer differs from the live layout, Get the layout by ID, Get the previous version of the layout, Gets the current contents of the auto-save buffer for a layout, List layouts, List previous versions of the layout
v2	Analytics & Events	Reporting	Check for the existence of analytics data for an object type, Get a Group of Events by ID, Get all analytics views, Get analytics data breakdowns, Get analytics data for HubSpot hosted content, Get analytics data for specific objects, Get Events
v2	CMS	Templates	Copy the contents of the auto-save buffer into the live template, Create a new template, Delete selected template, Determine if the auto-save buffer differs from the live template, Get the previous version of the template, Get the template by ID, Get the current contents of the auto-save buffer for a template, List previous versions of the template, List templates, Restore a previous version of the template, Restore a previously deleted template, Update the template, Update the auto-save buffer
v2	Automation	Create and Manage Workflows	Current enrolment, Enroll a contact into a workflow, Unenroll a contact from a workflow,
v3	Settings	Account Information	Get account details, Get activity audit logs, Get daily API usage, Get login activity, Get security activity,
v3	CRM	Associations	Archive a batch of associations, Create a batch of associations, List association types, Read a batch of associations,

API Version	Category	Entity	Operation
v3	CMS	Blog Authors	Attach a Blog Author to a multi-language group, Create a batch of Blog Authors, Create a new Blog Author, Create a new language variation for a blog author, Delete a batch of Blog Authors, Delete a Blog Author, Detach a Blog Author from a multi-language group, Get all Blog Authors, Retrieve a batch of Blog Authors, Retrieve a Blog Author, Set a new primary language for Blog Author, Update a batch of Blog Authors, Update a Blog Author, Update languages of multi-language group for blog authors,
v3	CMS	Blog Posts	Attach a Blog Post to a multi-language group, Clone a Blog Post, Create a batch of Blog Posts, Create a new Blog Post, Create a new language variation, Delete a batch of Blog Posts, Delete a Blog Post, Detach a Blog Post from a multi-language group, Get all Blog Posts, Push Blog Post draft edits live, Reset the Blog Post draft to the live version, Restore a previous version of a blog post, Restore a previous version of a blog post to draft, Retrieve a batch of Blog Posts, Retrieve a Blog Post, Retrieve the draft version of the Blog Post, Retrieves a previous version of a blog post, Retrieve all the previous versions of a blog post, Schedule a Blog Post to be Published, Set a new primary language for a blog post, Update a batch of Blog Posts, Update a Blog Post draft, Update a Blog Post, Update languages of multi-languages group for a blog post

API Version	Category	Entity	Operation
v3	CMS	Blog Settings	Attach a blog to a multi-language group, Create a new language variation from an existing blog, Detach a blog from a multi-language group, Get the list of Blogs settings, Retrieve the Blog object identified by the id in the path, Retrieve a previous version of a Blog, Retrieve all the previous versions of a Blog, Set a blog as the primary language of a multi-language group, Set new languages for each blog in a multi-language group
v3	Automation	Create and Manage Workflows	Create a workflow, Delete a workflow, Get performance statistics for a workflow, Get workflow by ID, Get workflows
v3	CMS	Blog Tags	Attach a Blog Tag to a multi-language group, Create a batch of Blog Tags, Create a new Blog Tag, Create a new language variation for a blog post, Delete a batch of Blog Tags, Delete a Blog Tag, Detach a Blog Tag from a multi-language group, Get all Blog Tags, Retrieve a batch of Blog Tags, Retrieve a Blog Tag, Set a new primary language for Blog Post, Update a batch of Blog Tags, Update a Blog Tag, Update languages of multi-language group for blog tags
v3	CMS	Content Audit	Query audit logs
v3	Settings	Business Units	Get Business Units for a user
v3	CRM	Calling SDK	Configure a calling extension, Configure recording settings, Delete calling settings, Get calling settings, Get recording settings, Update recording settings, Update settings for calling extensions

API Version	Category	Entity	Operation
v3	CRM	Calls	Archive a batch of calls by ID, Archive a call, Create a batch of calls, Create a call, GDPR DELETE a call, List a page of calls, Merge two calls with same type, Read a batch of calls, Read a call, Update a batch of calls, Update a call
v3	CRM	CRM Cards	Create a new card, Delete a card, Get a card, Get all cards, Get sample card detail response, Update a card
v3	CRM	Communications	Archive a batch of communications by ID, Archive a communication, Create a batch of communications, Create a communication, GDPR DELETE a communication, List a page of communications, Merge two communications with same type, Read a batch of communications, Read a communication, Update a batch of communications, Update a communication
v3	CRM	Companies	Archive a batch of companies by ID, Archive a company, Create a batch of companies, Create a company, GDPR DELETE a company, List a page of companies, Merge two companies with same type, Read a batch of companies, Read a company, Update a batch of companies, Update a company
v3	CRM	Contacts	Archive a batch of contacts by ID, Archive a contact, Create a batch of contacts, Create a contact, GDPR DELETE a contact, List a page of contacts, Merge two contacts with same type, Read a batch of contacts, Read a contact, Update a batch of contacts, Update a contact
v3	Analytics & Events	Custom Behavioral Events	Send Custom Behavioral Event

API Version	Category	Entity	Operation
v3	CRM	Custom Objects	Archive a batch of objects by ID, Archive a custom object, Create a batch of objects, Create a custom object, GDPR DELETE a custom object, List a page of custom objects, Merge two objects with same type, Read a batch of objects, Read a custom object, Update a batch of objects, Update a custom object
v3	CRM	Deals	Archive a batch of deals of ID, Archive a deal, Create a batch of deals, Create a deal, GDPR DELETE a deal, List a page of deals, Merge two deals with same type, Read a batch of deals, Read a deal, Update a batch of deals, Update a deal
v3	CMS	Domains	Get a single domain, Get current domains
v3	CRM	Email	Archive a batch of emails by ID, Archive an email, Create a batch of emails, Create an email, GDPR DELETE an email, List a page of emails, Merge two emails with same type, Read a batch of emails, Read an email, Update a batch of emails, Update an email
v3	CRM	Export CRM data	Get the status of the export including the URL to download the file, Start an export
v3	CRM	Feedback Submissions	Archive a batch of feedback submissions by ID, Archive a feedback submission, Create a batch of feedback submissions, Create a feedback submission, GDPR DELETE a feedback submission, List a page of feedback submissions, Merge two feedback submissions with same type, Read a batch of feedback submissions, Read a feedback submission, Update a batch of feedback submissions, Update a feedback submission

API Version	Category	Entity	Operation
v3	Files	Files	Check import status, Delete file, GDPR DELETE a file, Get a file by ID, Get a file by path, Get signed URL to access private file, Import a file from a URL into the file manager, Replace file, Search files, Update file properties, Upload file
v3	Files	Folders	Check folder update status, Create folder, Delete folder by ID, Delete folder by path, Get a folder by ID, Get a folder by path, Search folders, Update folder properties
v3	CRM	Goals	Archive a batch of goal targets by ID, Archive a goal, Create a batch of goal targets, Create a goal, GDPR DELETE a goal, List a page of goals, Merge two goal targets with same type, Read a batch of goals, Read a goal, Update a batch of goal targets, Update a goal
v3	CMS	HubDb Rows	Add a new row to a table, Clone a row, Clone rows in batch, Create rows in batch, Delete rows permanently, Get a row from the draft table, Get a set of rows, Get a set of rows from draft table, Get a table row, Get rows from a table, Get rows from a draft table, Permanently delete a row, Replace an existing row, Replace rows in batch in draft table, Update an existing row, Update rows in batch in draft table
v3	CMS	HubDb Tables	Archive a table, Import data into draft table, Clone a table, Create a new table, Export a draft table, Export a published version of a table, Get all published tables, Get details for a draft table, Get details for a published table, Publish a table from draft, Reset a draft table, Return all draft tables, Unpublish a table, Update an existing table
v3	CRM	Import CRM data	Cancel an active import, Check errors in import, Get active import, Get the information on any import, Start a new import

API Version	Category	Entity	Operation
v3	Conversations	Inbox & Messages	Archive a thread, Get a single actor, Get a single channel, Get a single channel account, Get a single conversations inbox, Get a single message, Get a single thread, Get actors, Get channel accounts, Get channels, Get conversations inboxes, Get message history for a thread, Get the original content of a single message, Get threads, Send a message to a thread, Update a thread
v3	CRM	Line Items	Archive a batch of line items by ID, Archive a line item, Create a batch of line items, Create a line item, GDPR DELETE a line item, List a page of line items, Merge two line items with same type, Read a batch of line items, Read a line item, Update a batch of line items, Update a line item
v3	CRM	Lists	Add All Records from a Source List to a Destination List, Add and/or Remove Records from a List, Add Records to a List, Delete All Records from a List, Fetch list Memberships Ordered by ID, Remove Records from a List
v3	Marketing	Marketing Emails	Clone a marketing email, Create a marketing email, Delete a marketing email, Get revisions of a marketing email, Get all marketing emails, Get the details for a marketing email, Update a marketing email, Complete an event, Create a marketing event, Create or update a marketing event, Create or update multiple marketing events, Delete a marketing event, Delete multiple marketing events, Get a marketing event, Mark a marketing event as cancelled, Record a subscription state by email, Record a subscription state by email if exists, Record a subscription state by ID, Record a subscription state by Id if exists, Retrieve the application settings, Search for marketing events, Update a marketing event, Update the application settings

API Version	Category	Entity	Operation
v3	CRM	Meetings	Archive a batch of meetings by ID, Archive a meeting, Create a batch of meetings, Create a meeting, GDPR DELETE a meeting, List a page of meetings, Merge two meetings with same type, Read a batch of meetings, Read a meeting, Update a batch of meetings, Update a meeting
v3	CRM	Notes	Archive a batch of notes by ID, Archive a note, Create a batch of notes, Create a note, GDPR DELETE a note, List a page of notes, Merge two notes with same type, Read a batch of notes, Read a note, Update a batch of notes, Update a note
v3	CRM	Owners	Get a page of owners, Read an owner by given Id or user Id
v3	CMS	Pages	Attach a landing page to a multi-language group, Attach a site page to a multi-language group, Clone a Landing Page, Clone a Site Page, Create a batch of Folders, Create a batch of Landing Pages, Create a batch of Site Pages, Create a new A/B test variation for landing page, Create a new A/B test variation for site page, Create a new Folder, Create a new Landing Page, Create a new language variation for a landing page, Create a new language variation for a site page, Create a new Site Page, Delete a batch of Folders, Delete a batch of Landing Pages, Delete a batch of Site Pages, Delete a Folder, Delete a Landing Page, Delete a Site Page, Detach a landing page from a multi-language group, Detach a site page from a multi-language group, End an active A/B test for landing page, End an active A/B test for site page, Get all Landing Page Folders, Get all Landing Pages, Get all Site pages, Push Landing Page draft edits live, Push Site Page draft edits live, Rerun a previous A/B test for landing page, Rerun a previous A/B test for site page, Reset the Landing

API Version	Category	Entity	Operation
			<p>Page draft to the live version, Reset the Site Page draft to the live version, Restore a previous version of a Folder, Restore a previous version of a Landing Page to the draft version of the Landing Page, Restore a previous version of a Site Page, Restore a previous version of a Site Page to the draft version of the Site Page, Restore a previous version of a Landing Page, Retrieve a batch of Landing Pages, Retrieve a batch of Site Pages, Retrieve a Folder, Retrieve a Landing Page, Retrieve a Site Page, Retrieve the full draft version of the Landing Page, Retrieve the full draft version of the Site Page, Retrieve a batch of Folders, Retrieve a previous version of a Folder, Retrieve a previous version of a Landing Page, Retrieve a previous version of a Site Page, Retrieve all the previous versions of a Folder, Retrieve all the previous versions of a Landing Page, Retrieve all the previous versions of a Site Page, Schedule a Landing Page to be Published, Schedule a Site Page to be Published, Set a new primary language for landing page, Set a new primary language for site page, Update a batch of Folders, Update a batch of Landing Pages, Update a batch of Site Pages, Update a Folder, Update a Landing Page, Update a Landing Page draft, Update a Site Page draft, Update a Site Page, Update languages of multi-language group for a landing page, Update languages of multi-language group for a site page</p>
v3	CMS	Performance	View your website's performance, View your website's uptime

API Version	Category	Entity	Operation
v3	CRM	Pipelines	Create a pipeline, Create a pipeline stage, Delete a pipeline, Delete a pipeline stage, Replace a pipeline, Replace a pipeline stage, Retrieve all pipelines, Return a pipeline by ID, Return a pipeline stage by ID, Return all stages of a pipeline, Return an audit of all changes to the pipeline, Return an audit of all changes to the pipeline stage, Update a pipeline, Update a pipeline stage
v3	CRM	Postal Mail	Archive a batch of postal mail by ID, Archive a postal mail, Create a batch of postal mail, Create a postal mail, GDPR DELETE a postal mail, List a page of postal mails, Merge two postal mails with same type, Read a batch of postal mail, Read a postal mail, Update a batch of postal mails, Update a postal mail
v3	CRM	Products	Archive a batch of products by ID, Archive a product, Create a batch of products, Create a product, GDPR DELETE a product, List a page of products, Merge two products with same type, Read a batch of products, Read a product, Update a batch of properties, Update a product
v3	CRM	Properties	Archive a batch of properties, Archive a property, Archive a property group, Create a batch of properties, Create a property, Create a property group, Read a batch of properties, Read a property, Read a property group, Read all properties, Read all property groups, Update a property, Update a property group
v3	CRM	Quotes	Archive a batch of quotes by ID, Archive a quote, Create a batch of quotes, Create a quote, GDPR DELETE a quote, List a page of quotes, Merge two quotes with same type, Read a batch of quotes, Read a quote, Update a batch of quotes, Update a quote

API Version	Category	Entity	Operation
v3	Search	Search	Search a call, Search a communication, Search a company, Search a contact, Search a deal, Search a discount, Search a fee, Search a feedback submission, Search a goal, Search a line item, Search a meeting, Search a note, Search a postal mail, Search a product, Search a quote, Search a task, Search a tax, Search a ticket, Search an email, Search an object, Search lists
v3	CMS	Site Search	Get indexed properties, Search your site
v3	CMS	Source Code	Check extract zip (async) status, Create a file, Create or update a file, Delete a file, Download a file, Extract a zip file, Extract a zip file (async), Get the metadata for a file, Validate the contents of a file
v3	Marketing	Subscription Preferences	Get subscription definitions, Get subscription statuses for a contact, Subscribe a contact, Unsubscribe a contact
v3	CRM	Tasks	Archive a batch of tasks by ID, Archive a task, Create a batch of tasks, Create a task, GDPR DELETE a task, List a page of tasks, Merge two tasks with same type, Read a batch of tasks, Read a task, Update a batch of tasks, Update a task
v3	CRM	Taxes	Archive a batch of taxes by ID, Archive a tax, Create a batch of taxes, Create a tax, GDPR DELETE a tax, List a page of taxes, Merge two taxes with same type, Read a batch of taxes, Read a tax, Update a batch of taxes, Update a tax
v3	CRM	Tickets	Archive a batch of tickets by ID, Archive a ticket, Create a batch of tickets, Create a ticket, GDPR Delete a ticket, List a page of tickets, Merge two tickets with same type, Read a batch of tickets, Read a ticket, Update a batch of tickets, Update a ticket

API Version	Category	Entity	Operation
v3	CRM	Timeline Events	Add a token to an existing event template, Create a single event, Create an event template for your app, Create multiple events, Delete an event template for the app, Get a specific event template for your app, Gets the detail template as rendered, Get an event, List all event templates for your app, Remove a token from the event template, Render the header or detail as HTML, Update an existing event template, Update an existing token on an event template
v3	Marketing	Transactional Email	Create a SMTP API token, Delete a single token by ID, Query a single token by ID, Query SMTP API tokens by campaign name or an emailCampaignId, Reset the password of an existing token, Send a single transactional email asynchronously
v3	CMS	URL Redirects	Create a redirect, Delete a redirect, Get current redirects, Get details for a redirect, Update a redirect,
v3	Settings	User Provisioning	Add a user, Modifies a user, Remove a user, Retrieve a list of users from an account, Retrieve a user, Retrieve the roles on an account, View teams for this account
v3	CRM	Video Conference Extension	Delete settings of a video conference extension, Get settings of a video conference extension, Update settings for a video conference extension
v3	Conversations	Visitor Identification	Generate a token
v3	Analytics & Events	Event Analytics	Get all events
v3	Webhooks	Settings	Create or update webhook settings, Delete webhook settings, Get webhook settings

API Version	Category	Entity	Operation
v3	Webhooks	Subscriptions	Create a webhook subscription, Delete a subscription, Get a subscription, List subscriptions, Update a subscription, Update multiple webhook subscriptions
v4	CRM	Associations	Create an association, Create Default associations, Create Default batch Associations, Delete a batch of associations, Delete all associations between two objects, Delete Specific Labels, List all associations of an object, Read an association
v4	Automation	Custom Workflow Actions	Archive a single custom workflow action with the specified ID, Complete the given action callback by ID, Complete the given action callbacks, Creates a new custom workflow action, Create or replace a function for a custom workflow action, Creates or replaces a function for a custom workflow action by ID, Delete a function for a custom workflow action, Delete a function for a custom workflow action by ID, Returns a list of all custom workflow actions, Get all functions for a given definition, Return a list of revisions for a custom workflow action, Return a single custom workflow action with the specified ID, Return the given function for a custom workflow action, Return the given function for a custom workflow action by ID, Returns the given version of a custom workflow action, Update a custom workflow action with new values for the specified fields