



Google Workspace Adapter for SAP Integration Suite

Version 1.0.0 – May 2026

Contents

1	Introduction.....	3
1.1	Objective.....	3
1.2	Coding Samples.....	3
1.3	Internet Hyperlinks.....	3
1.4	Overview.....	3
1.5	Features.....	3
1.6	Quick Start.....	4
2	Adapter Installation.....	5
2.1	Prerequisites.....	5
2.2	Procedure.....	5
2.2.1	Adapter Installation by Creating a New Integration Flow.....	5
2.2.2	Adapter Installation without Creating a New Integration Flow.....	6
3	Getting Started: Google Workspace Adapter.....	8
3.1	Architecture Overview.....	8
3.2	Application Configuration.....	8
3.3	Authentication.....	9
3.3.1	Creating OAuth2 Authorization Code in Security Material.....	9
3.3.2	Creating Keys for OAuth2 Service Account.....	11
4	Google Workspace Adapter Configuration.....	15
4.1	Connection.....	15
4.2	Processing.....	17
5	Google Workspace Operations.....	22
5.1	Upload File (/upload/drive/v3/files) [Multipart].....	22
5.2	Upload File (upload/drive/v3/files) [Resumable].....	24
5.3	Copy File (/upload/drive/v3/files).....	25
5.4	Get File Content (/drive/v3/files/:fileId).....	26
5.5	Get Comment (/drive/v3/files/:fileId/comments/:commentId).....	27
6	References.....	28
6.1	Keystore Generation (JKS File Creation).....	28

1 Introduction

1.1 Objective

This is the official guide for the Google Workspace adapter for SAP Integration Suite. This guide covers all relevant information for integration developers to start working with the Google Workspace 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 is 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

Google Workspace is a collection of office productivity applications like Drive, Gmail, Calendar etc. Google Workspace adapter for SAP Integration Suite allows you to communicate with Google Workspace APIs to integrate components like Drives, Files, Folders etc.

1.5 Features

Google Workspace adapter has the following features:

- Receiver adapter enables access to Google Drive APIs like **Drives, Files, Folders, Comments, Operations, Permissions** etc.
- Supports secure authentication using **OAuth2 Authorization Code** and **OAuth2 Service Account**.
- Supports **Basic** configuration type that provides a convenient processing capability for supported versions whereas **Advanced** enables proficient users to perform calls with greater control while connecting to an API endpoint.
- Supports a range of **File** operations like Upload File (via **Multipart, Resumable** and **Media**), **Download File, Get File Content**, and **Export File**.
- Ability to create and manage **Permissions** for collaboration.
- Utilize **Drives** entity to manage shared drives.

1.6 Quick Start



This Quick Start section outlines minimal steps required to demonstrate adapter usage. This does not cover all configuration scenarios, always refer to the complete documentation for complete and accurate guidance.


1. Prerequisites:
 - A Google Workspace account.
 - SAP Integration Suite tenant with Standard License.
2. Generate Credentials
 - a) Log in to [Google Cloud Console](#).
 - b) Perform steps 1, 2, 4 and 5 in [3.2 Application Configuration](#) to create Client ID and Client Secret.

Note: Skip Step 3 since we are not using OAuth2 Service Account authentication method.
3. Create Security Artifact:
 - a) Navigate to **Monitor > Integrations and APIs**.
 - b) Go to **Manage Security > Security Material**.
 - c) Create **OAuth2 Authorization Code** artifact.
4. Deploy Google Workspace Adapter to an Integration Flow:
 - a) Go to **Design** workspace and create or open an Integration Flow. Add **GoogleWorkspace** adapter as a Receiver. For more information, see [Adapter Installation](#).
5. Configure **Connection** Tab:
 - a) **Address:** `https://www.googleapis.com`
 - b) Select **OAuth2 Authorization Code**
 - c) Specify Security Artifact created in Step 3.
 - d) Keep default timeout values.
6. Configure **Processing**:
 - a) Perform a basic operation to [Get File Content](#).
7. Deploy & Run:
 - a) **Save** and deploy the Integration Flow.
 - b) Monitor execution under **Integrations and APIs**.

2 Adapter Installation

This section describes the prerequisites and procedure to install the Google Workspace adapter.


2.1 Prerequisites

 The Google Workspace adapter is available as part of your Standard license for SAP Integration Suite. For more information, see [SAP Note](#).

Before you start working with the adapter, you must deploy it to your SAP Integration Suite tenant.

2.2 Procedure

You can deploy the adapter using the following methods:

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



2.2.1 Adapter Installation by Creating a New Integration Flow

Purpose

To install an adapter for use in your Integration flow.

Procedure

Go to **Design** 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** Google Workspace.
A drop-down with the available adapters appears. The Google Workspace adapter should show up in the list.
6. Select the **GoogleWorkspace** Adapter from the list. The adapter is now imported, which triggers the adapter deployment. Once the adapter is deployed, a success message is displayed that the adapter is successfully deployed.

Result: The adapter is deployed in the Design workspace.

2.2.2 Adapter Installation without Creating a New Integration Flow



The following procedure explains how the 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 adapter can be imported into the Design workspace without creating an integration flow. Use the Transport Management Service (TMS) to import/transport the 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 copy the integration package from the Discover workspace and import the Google Workspace adapter to the Design workspace, follow these steps:

Procedure

1. Go to **Discover** workspace.
2. In the search box, search for **Google Workspace 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 **Google Workspace 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.

Result: The adapter is deployed in the **Design** workspace.

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 the **Integration Content** page with a list of all the deployed adapters.

You can check and confirm the deployment status of your adapter as shown in the screenshot below.

The screenshot shows a management interface for integration content. At the top left, it says "Overview / Manage Integration Content". Below this is a section titled "Integration Content (27)" with a search bar and filters. A table lists the integration content:

Name	Status
GoogleWorkspace Integration Adapter	Started

To the right of the table, the details for the "GoogleWorkspace" adapter are shown:

- GoogleWorkspace** (with "Undeploy" and "Download" buttons)
- Deployed On: Feb 20, 2026, 19:22:39
- Deployed By:
- ID:
- Version: 1.0.0
- Package:

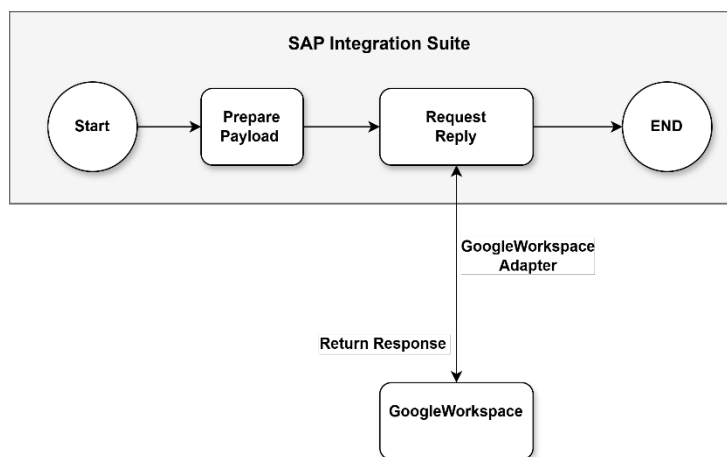
Below the details is a "Status Details" section with a green message: "The Integration Adapter is deployed successfully."

3 Getting Started: Google Workspace Adapter

This section explains how to configure the Google Workspace adapter for SAP Integration Suite. You can find information about adapter architecture, application configuration, and authentication for Google Workspace Adapter.

3.1 Architecture Overview

How Google Workspace Receiver Adapter Works:



- The Google Workspace Receiver adapter is designed to receive and process data from an integration flow in SAP Integration Suite and facilitate communication with Google Workspace application (external) using REST-based APIs.
- SAP Integration Suite tenant acts as the initiator of the calls and sends a request to Google Workspace (this is the receiver system) using the adapter.
- Additionally, it also handles responses and logs execution status and errors.

3.2 Application Configuration

The links below contain basic information to help you get started with the Google Workspace Application. Before you begin, ensure you have the below access and configurations set up.

1. Create a project on [Google Cloud Console](#) with the proper permissions (Ensure API Access is enabled, see [Enable Google Workspace APIs](#)).
2. Configure OAuth Consent, see [Configure OAuth Consent](#).
 - Add App Information, Audience and Contact Information.
 - Ensure that you add relevant scopes
`https://www.googleapis.com/auth/drive`
`https://www.googleapis.com/auth/drive.file`
3. To create credentials for OAuth2 Service Account, see [Service Account Credentials](#).
4. To create credentials for OAuth2 Authorization Code, see [OAuth Authorization Code](#).
5. Add Test users who can use the above credentials.

- The email must be the username having a google account.

3.3 Authentication

i Before setting up the authentication, ensure you have finished the required steps as directed in [Application Configuration](#).

This section explains the procedure to create security artifacts that are supported by the Google Workspace Adapter in the SAP Integration Suite.

Google Workspace adapter supports **OAuth2 Service Account** and **OAuth2 Authorization Code**.

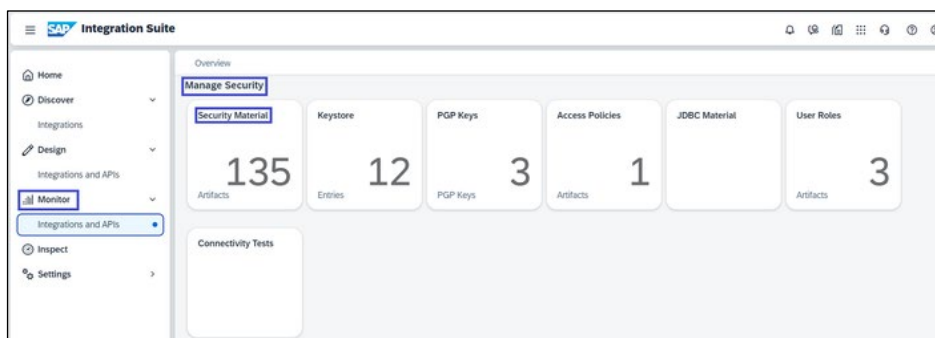
3.3.1 Creating OAuth2 Authorization Code in Security Material

Purpose

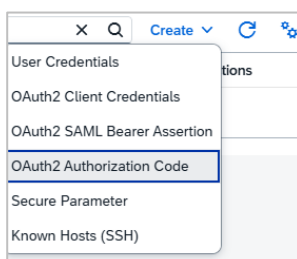
To create OAuth2 Authorization Code security artifact.

Procedure

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



3. On the **Manage Security Material** page, click **Create** and select **OAuth2 Authorization Code** from the dropdown.



4. In the **Edit OAuth2 Authorization Code** 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).
Authorization URL	<code>https://accounts.google.com/o/oauth2/auth?access_type=offline&prompt=consent</code>
Token Service URL	<code>https://oauth2.googleapis.com/token</code>
Refresh Token Expiry	Specify number of days.
Redirect URL	Redirect URL for your tenant will automatically appear here.
Client ID	Specify Client ID. For more information, see Step 4 in 3.2 Application Configuration
Client Secret	Specify Client Secret. For more information, see Step 4 in 3.2 Application Configuration
Send As	Select as Basic Authentication Header

Scope	Specify the scope based on the operations. <pre>https://www.googleapis.com/auth/drive,https://www.googleapis.com/auth/drive.file</pre>
-------	---

5. Click **Deploy** to complete the process.
6. Next you must click on the three dots and After deployment, click **Authorize** to complete the process.

The Security artifact created above is used to connect to the Google Workspace Application by configuring the **Connection tab** of the Adapter. For more details, see [Connection](#).

3.3.2 Creating Keys for OAuth2 Service Account

The Security artifact created below is used to connect to the Google Workspace Application by configuring the **Connection tab** of the Adapter.

Log in to Google Workspace and generate a key. For more information, see [Create Keys](#).

The **Key type** for private key can be either **JSON** or **P12**. Refer the following sections for each Key type usage.

3.3.2.1 Creating Keystore for JSON key

1. After downloading the newly created key, the content in the key needs to be extracted and aligned in a proper format. Follow the below steps:
 - i. Open the key as a text file (preferably notepad++) and delete content so that you only retain the private key content between and inclusive of `BEGIN PRIVATE KEY` and `END PRIVATE KEY`.
 - ii. Remove all occurrences of `\n` from your private key content.
 - iii. Align the content as shown below

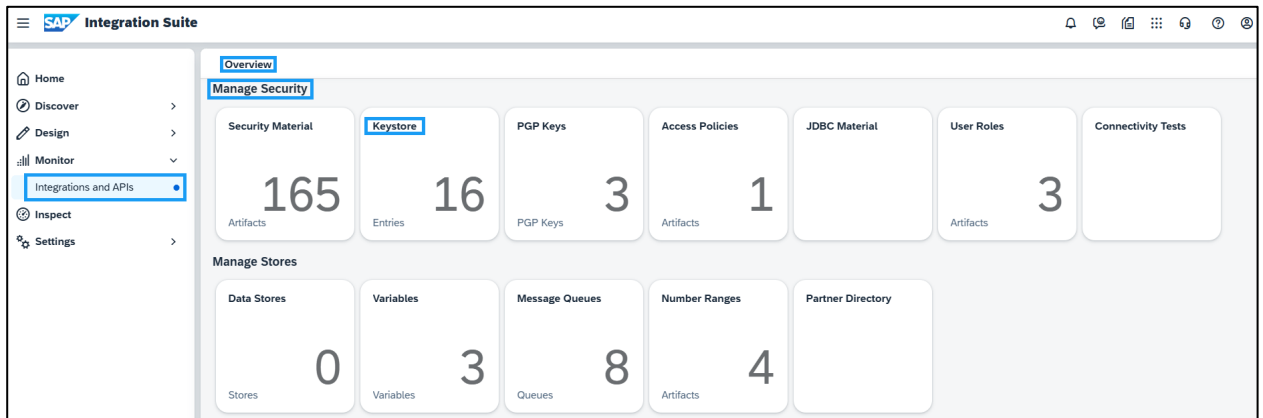
```
-----BEGIN PRIVATE KEY-----
*****
*****
-----END PRIVATE KEY-----
```

```

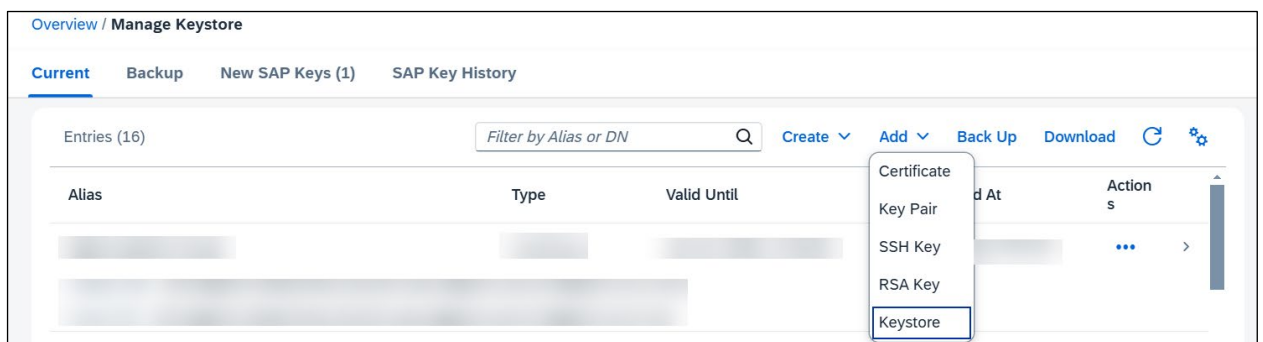
1 -----BEGIN PRIVATE KEY-----
2 MIIEvQIBADKCBQYwRQIhCOWB3CEP3L2P8K...
60
K2
92
4F
EV
KD
GH...
3 -----END PRIVATE KEY-----

```

- iv. Save as `gws_rsa_key.p8`
- 2. Create a keystore file with `.jks` extension. For detailed information, see [Keystore Generation \(JKS file creation\)](#).
- 3. In SAP Integration Suite, navigate to **Monitor** > **Integrations and APIs**. This opens the **Overview** page.
- 4. On the **Overview** page, go to **Manage Security** section and click **Keystore**.



- 5. On **Manage Keystore** page, click **Add** to select **Keystore** from the dropdown.



- 6. In the **Add Keystore** popup, provide the below details.

Add Keystore

Keystore: *

Passphrase: *

Action: ▾

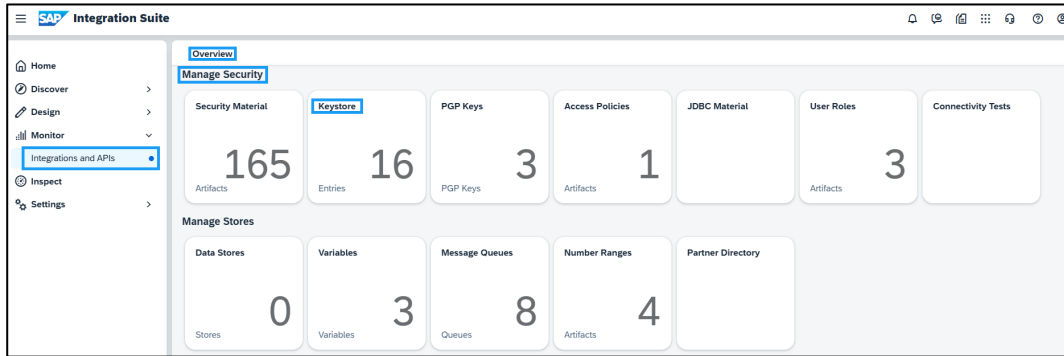
Overwrite existing entries

Parameter	Description
Keystore	Choose a keystore for upload. Select the .jks file. For detailed information, see Keystore Generation (JKS file creation) .
Passphrase	Specify the password used while creating the .jks file.
Action	Specify the action to be performed as Add .
Overwrite Existing Entries	Enable or disable depending on your need to overwrite existing entries.

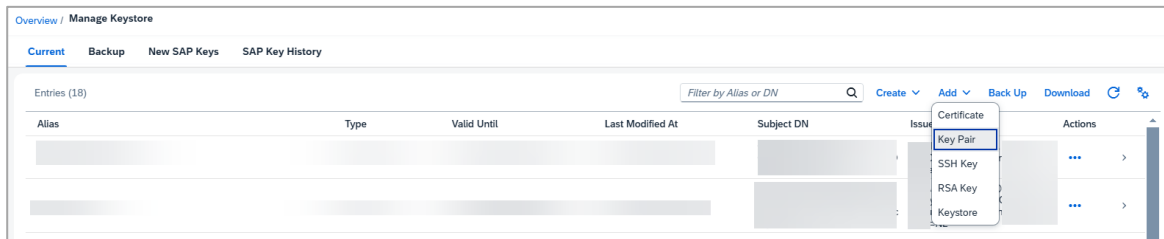
- Click **Deploy** to complete the process.

3.3.2.2 Creating Key-Pair for P12 key

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 **Keystore**.



3. On **Manage Keystore** page, click **Add** to select **Key Pair** from the dropdown.



4. In the **Key Pair** popup, provide the below details.

Add Key Pair

Alias: *

File: *

Password: *

Parameter	Description
Alias	Specify the alias for the key pair.
File	Select the P12 key for upload.
Password	Specify the password used while creating the .jks file.

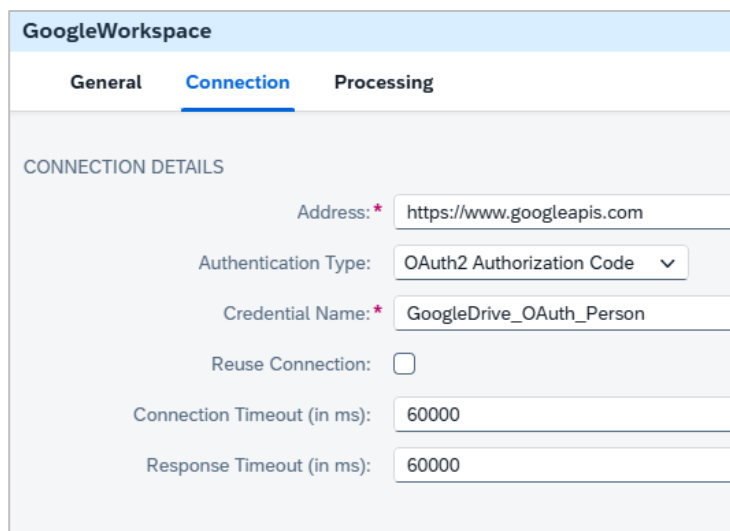
5. Click **Deploy** to complete the process.

4 Google Workspace Adapter Configuration

This section describes the fields to be configured for your Google Workspace adapter. You need to configure the **Connection** and **Processing** tabs. A description and example usage for every field has been provided below.

4.1 Connection

The Connection tab contains connection and authentication parameters for Google Workspace. The Security artifact created in [Authentication](#), should be used in the **Connection** tab of the adapter as shown in the sample figure below.



The screenshot shows the configuration interface for the GoogleWorkspace adapter. It has three tabs: General, Connection (selected), and Processing. Under the Connection tab, there is a section titled 'CONNECTION DETAILS' with the following fields:

- Address: *
- Authentication Type:
- Credential Name: *
- Reuse Connection:
- Connection Timeout (in ms):
- Response Timeout (in ms):

The table below contains the complete list of fields that can be found in the **Connection** tab.

Parameter	Description
Address	Specify the hostname to connect to Google Drive. Example: <code>https://www.googleapis.com</code>
Authentication Type	Select the authentication method: <ul style="list-style-type: none">• OAuth2 Authorization Code for user-level access• OAuth2 Service Account for app-level access.

Parameter	Description
Credential Name	Specify OAuth2 Authorization Code security artifact that stores Client ID and Client Secret.
OAuth2 Token URL	Specify the OAuth2 Token URL which identifies as the authorization server for producing a JWT token internally. Default: https://www.googleapis.com/oauth2/v4/token
Client Email	Specify the Google Service Account Email. Example: <code>yourmailservice@polar-reef.iam-gserviceaccount.com</code>
Private Key Alias	Specify the Google Service Account Private Key Keystore Alias for authentication. Example: <code>PKey</code>
Scope	Specify the OAuth 2.0 scopes formatted as a list of space-delimited, case-sensitive strings. Default: https://www.googleapis.com/auth/drive
Reuse Connection	Enable to reuse the connection.
Connection Timeout (in ms)	Specify the maximum waiting time (in milliseconds) for the connection to be established. Default: <code>60000</code>
Response Timeout (in ms)	Specify the maximum waiting time (in milliseconds) for a response message. Default: <code>60000</code>

4.2 Processing

The **Processing** tab allows you to configure the operations that can be performed using Google Workspace Adapter.

The below image shows a sample operation using **Upload File** operation.

The screenshot shows the 'Processing' configuration page in GoogleWorkspace. It includes the following fields:

- Configuration Type:** Basic (dropdown)
- API Version:** v3 (dropdown)
- Resource:** Files (dropdown)
- Operation:** Upload File (/upload/drive/v3/files) (dropdown)
- Upload Type:** Resumable (dropdown)
- Upload Content Type:** \${header.Upload_Content_Type}
- File Metadata:** \${header.File_Metadata}
- Upload in Multiple Chunks:**
- Chunk Size:** 262144
- Query:** (empty text field)

The table below contains the complete list of fields that can be found in the **Processing** tab.

Parameter	Description
Configuration Type	<p>Select the required configuration type:</p> <ul style="list-style-type: none"> • Basic provides a convenient processing capability for supported versions using UI elements like dropdowns and parameter text fields. • Advanced provides relative URL which enables proficient users to perform calls with greater control while connecting to any API endpoint.
API Version (Only available when Configuration Type is set to Basic)	Select the API version from the dropdown.
Resource	Select the required resource:

Parameter	Description				
(Only available when Configuration Type is set to Basic)	<ul style="list-style-type: none"> • About • Comments • Drives • Files • Folders • Operations • Permissions 				
Operation (Only available when Configuration Type is set to Basic)	Select the operation to be performed.				
Operation Parameters	Specify the operation parameters as a key value pair. <table border="0"> <thead> <tr> <th>Name</th> <th>Value</th> </tr> </thead> <tbody> <tr> <td>file</td> <td>readme.txt</td> </tr> </tbody> </table>	Name	Value	file	readme.txt
Name	Value				
file	readme.txt				
MIME Type	Specify the MIME type of the format requested for this export. Example: application/pdf				
Request ID	Specify the ID (UUID) which uniquely identifies this user's request for idempotent creation of a shared drive.				
Upload Type (Only available when Operation is set to Upload File(/drive/v3/drives))	Select the type of upload to be performed: <ul style="list-style-type: none"> • Media • Resumable • Multipart 				
Upload Content Type (Only available when Operation is set to Upload File(/drive/v3/drives))	Specify the content type of the file to upload. Example: text/plain				
File Metadata (Only available when Upload Type is set to Multipart or Resumable)	Specify the metadata of the file. Example: <pre>{ "name": "metadata_gws.pdf", "mimeType": "application/pdf", "parents": ["2PRE-jRFRhq-8Bk8K82"] }</pre>				

Parameter	Description
Upload in Multiple Chunks (Only available when Upload Type is set to Resumable)	Enable to upload file in multiple chunks.
Chunk Size (in bytes) (Only available when Mode is set to Get File in Chunks or Upload in Multiple Chunks is enabled.)	Specify the chunk size in bytes for Get File Content/Upload File . For Upload File , the chunk size should be a multiple of 262144 bytes (256 KiB). Example: 262144
Mode (Only available when Operation is set to Get File Content (/drive/v3/files/:fileId))	Select to fetch content of a file as a complete file or in multiple chunks: <ul style="list-style-type: none"> • Get Complete File • Get File in Chunks
Max File Size (in bytes) (Only available when Mode is set to Get Complete File)	Specify the maximum size of the download in bytes.
Offset (in bytes) (Only available when Mode is set to Get File in Chunks)	Specify the starting offset in bytes to begin the Get File Content operation. Example: 524288
HTTP Update Method (Only available when Operation is set to Update File Metadata (/drive/v2/files/:fileId))	Specify the request to be sent: <ul style="list-style-type: none"> • PATCH • PUT
Fields	Specify the subset of fields to return. Example: kind, user, storageQuota.
Search Query (q)	Specify the search query to filter the results of the List operation. Example: name%20contains%20%27google%27

Parameter	Description
Page Size	Specify the maximum number of results to return per page.
Page Token	Specify the token for continuing a previous list request on the next page.
Max Results	Specify the maximum number of results to return per page. <div style="border: 1px solid #add8e6; padding: 5px; margin-top: 10px;">  Max Results is the equivalent parameter used in v2 for Page Size (available in v3). </div>
HTTP Method (Only available when Configuration Type is set to Advanced)	Select the required method from the available dropdown: <ul style="list-style-type: none"> • DELETE • GET • PATCH • POST • PUT
Relative URL (Only available when Configuration Type is set to Advanced)	Specify the relative endpoint, excluding the Host. Example: <code>upload/drive/v3/files?uploadType=media</code>
Query	Specify the expression containing the query parameter and value Syntax: <code>param1=value1&param2=value2</code> Example: <code>supportsAllDrives=true</code>
Send Body (Only available when HTTP Method is set to DELETE or GET)	Enable this checkbox if you want to send the body of the message with the request. <div style="border: 1px solid #add8e6; padding: 5px; margin-top: 10px;">  For methods GET and DELETE, the body isn't sent by default. </div>
Request Headers	Specify a list of custom headers, separated by a pipe (), to be sent to the target system. Use an asterisk (*) to send all custom headers to the target system.

Parameter	Description
	All Camel-specific headers and HTTP protocol headers except "date" are excluded by default, even if you specify them.
Response Headers	<p>Specify a list of headers, separated by a pipe (), coming from the target system's response 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> <p>All Camel-specific headers and HTTP protocol headers except "date" are excluded by default, even if you specify them.</p>

5 Google Workspace Operations

This section lists and describes some of the operations supported by the Google Workspace Adapter.

For detailed information about API calls including the **Content-Type** and **Accept** headers to be used, see [Google Workspace API Reference](#).

5.1 Upload File (/upload/drive/v3/files) [Multipart]

i) Basic

A multipart upload request lets you upload metadata and data in the same request.

You must specify the file content via the body. For more information, see [Multipart Operation](#).

The screenshot shows the 'Processing' tab of the GoogleWorkspace configuration interface. Under 'PROCESSING DETAILS', the following fields are visible:

- Configuration Type: Basic
- API Version: v3
- Resource: Files
- Operation: Upload File (/upload/drive/v3/files)
- Upload Type: Multipart
- Upload Content Type: \${header.Upload_Content_Type}
- File Metadata: \${header.File_Metadata}
- Query: \${header.Query_Params}



Multipart Upload is only recommended for files smaller than 5MB. For Larger files, use Resumable Upload operation.

For more information regarding the complete set of fields for the adapter, see [Processing](#).

Parameter	Value
Configuration Type	Select the required configuration type as Basic .
API Version	Select version as v3 .
Resource	Select resource as Files
Operation	Select operation as UploadFile (/upload/drive/v3/files)
Upload Type	Select type as Multipart
Upload Content Type	Specify the content type as application/pdf
File Metadata	<code>\${header.file_metadata}</code>

Parameter	Value
Query	supportsAllDrives=true

file_metadata contains the following content

```
{ "name": "metadata_gws.pdf", "mimeType":
"application/pdf", "parents": ["2CRE-jRFrhq-3Uk3K32"] }
```

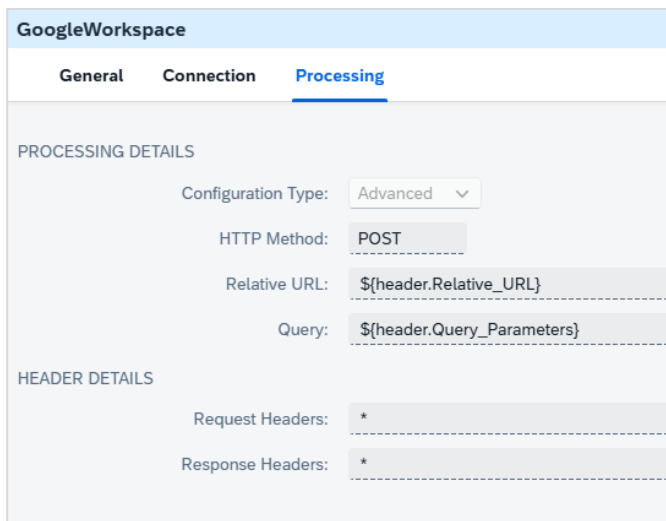
Response:

```
{
  "kind": "drive#file",
  "id": "1xQGESmEz7XShrH2fb-Tn2qw1bVWHb82_",
  "name": " metadata_gws.pdf ",
  "mimeType": " application/pdf "
}
```

ii) Advanced

You must specify the file content and file metadata via the body in multipart form.

For more information on creating body for this request, see [Multipart Upload](#).



Parameter	Value
Configuration Type	Select the required configuration type as Advanced .
HTTP Method	Select version as POST .
Relative URL	upload/drive/v3/files?uploadType=multipart
Query	supportsAllDrives=true

For information about additional query and operation parameters, see [Upload File API Reference](#).

5.2 Upload File (upload/drive/v3/files) [Resumable]

The screenshot shows the 'Processing' tab in the GoogleWorkspace interface. Under 'PROCESSING DETAILS', the following settings are visible:

- Configuration Type: Basic
- API Version: v3
- Resource: Files
- Operation: Upload File (/upload/drive/v3/files)
- Upload Type: Resumable
- Upload Content Type: application/pdf
- File Metadata: `${header.File_Metadata}`
- Upload in Multiple Chunks:
- Chunk Size (in bytes)*: 262144
- Query: `${header.Query_Parameters}`

You can upload file in a resumable session using a single request or multiple chunks (Enable Upload in Multiple Chunks to use this option).

For more information about resumable uploads, see [Manage Uploads](#).

For more information regarding the complete set of fields for the adapter, see [Processing](#).

Parameter	Value
Configuration Type	Select the required configuration type as Basic
API Version	Select version as v3
Resource	Select resource as Files
Operation	Select operation as Upload File (/upload/drive/v3/files)
Upload Type	Select the type of upload as Resumable
Upload Content Type	application/pdf
File Metadata	<code>\${header.file_metadata}</code>
Upload in Multiple Chunks	Enable this field for the file to be uploaded in multiple chunks.
Chunk Size (in bytes)	Specify the chunk size to be used in bytes. Example: 262144
Query	Specify the query that should be transferred with the API request. <code>supportsAllDrives=true</code>

For information about additional query and operation parameters, see [Upload File API Reference](#).

5.3 Copy File (/upload/drive/v3/files)

Creates a copy of a file. You must provide a File metadata in the body.

GoogleWorkspace

General Connection **Processing**

PROCESSING DETAILS

Configuration Type:

API Version:

Resource:

Operation:

Operation Parameters:

Name	Value
fileId	\$(header.File_Id)

Query:

HEADER DETAILS

Request Headers:

Response Headers:

For more information regarding the complete set of fields for the adapter, see [Processing](#).

Parameter	Value				
Configuration Type	Select the required configuration type as Basic .				
API Version	Select version as v3				
Resource	Select resource as Files				
Operation	Select operation as Copy File (/drive/v3/files/:fileId/copy)				
Operation Parameters	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Name</th> <th>Value</th> </tr> </thead> <tbody> <tr> <td>fileId</td> <td>2WEfd3H0c19uTUzjth2UxgB5Ljiu1kirAo</td> </tr> </tbody> </table>	Name	Value	fileId	2WEfd3H0c19uTUzjth2UxgB5Ljiu1kirAo
Name	Value				
fileId	2WEfd3H0c19uTUzjth2UxgB5Ljiu1kirAo				
Query	supportsAllDrives=true				

For information about operation or query parameters, see [Copy Files API Reference](#).

5.4 Get File Content (/drive/v3/files/:fileId)

GoogleWorkspace

General Connection **Processing**

PROCESSING DETAILS

Configuration Type: Basic

API Version: v3

Resource: Files

Operation: Get File Content (/drive/v3/files/:fileId)

Mode: Get File In Chunks

Offset (in bytes): \${header.Offset}

Chunk Size (in bytes): \${header.Chunk_Size}

Operation Parameters:

Name	Value
fileId	\${header.File_Id}

Query:



Get File Content using **Get File in Chunks** will return a single chunk of data depending on values provided in **Offset** and **Chunk Size**. This can be modified according to your requirement for further orchestration.

Parameter	Value				
Configuration Type	Select the required configuration type as Basic				
API Version	Select version as v3				
Resource	Select resource as Files				
Operation	Select operation as Get File Content(/drive/v3/files/:fileId)				
Mode	Specify mode as Get File in Chunks				
Offset (in bytes)	Specify the offset bytes. 0				
Chunk Size (in bytes)	Specify chunk size. 262144				
Operation Parameters	<table border="1"> <thead> <tr> <th>Name</th> <th>Value</th> </tr> </thead> <tbody> <tr> <td>fileId</td> <td>\${header.File_id}</td> </tr> </tbody> </table>	Name	Value	fileId	\${header.File_id}
Name	Value				
fileId	\${header.File_id}				

For information about operation or query parameters, see [Get File Content API Reference](#).

5.5 Get Comment

(/drive/v3/files/:fileId/comments/:commentId)

Allows you to fetch a comment by ID.

GoogleWorkspace

General Connection **Processing**

PROCESSING DETAILS

Configuration Type:

API Version:

Resource:

Operation:

Fields:

Operation Parameters:

Name	Value
<input type="text" value="commentId"/>	<input type="text" value="\${header.Comment_Id}"/>
<input type="text" value="fileId"/>	<input type="text" value="\${header.File_Id}"/>

Query:

Parameter	Value						
Configuration Type	Select the required configuration type as Basic						
API Version	Select version as v3						
Resource	Select resource as Comments						
Operation	Select operation as Get Comment (/drive/v3/files/:fileId/comments/:commentId)						
Fields	fileTitle, status						
Operation Parameters	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Name</th> <th>Value</th> </tr> </thead> <tbody> <tr> <td><input type="text" value="commentId"/></td> <td><input type="text" value="CBCAS5kMmTUx9w"/></td> </tr> <tr> <td><input type="text" value="fieldId"/></td> <td><input type="text" value="2WEfd3H0c19uTUzjth2UxgB5Ljiu1kirAo"/></td> </tr> </tbody> </table>	Name	Value	<input type="text" value="commentId"/>	<input type="text" value="CBCAS5kMmTUx9w"/>	<input type="text" value="fieldId"/>	<input type="text" value="2WEfd3H0c19uTUzjth2UxgB5Ljiu1kirAo"/>
Name	Value						
<input type="text" value="commentId"/>	<input type="text" value="CBCAS5kMmTUx9w"/>						
<input type="text" value="fieldId"/>	<input type="text" value="2WEfd3H0c19uTUzjth2UxgB5Ljiu1kirAo"/>						
Query	includeDeleted=true						

For information about additional details, see [Get Comment API Reference](#).

6 References

6.1 Keystore Generation (JKS File Creation)

1. Generate a certificate signing request by using the `gws_rsa_key.p8` file and store it in a file called `gws_server.csr`.

OpenSSL Command:

```
openssl req -new -key <source_path>/gws_rsa_key.p8 -out  
<target_path>/gws_server.csr
```

You are about to be asked to enter information that will be incorporated into your certificate request.

What you are about to enter is what is called a Distinguished Name or a DN.

There are quite a few fields but you can leave some blank

For some fields there will be a default value,

If you enter '.', the field will be left blank.

Country Name (2 letter code) [AU]:<enter_country_code>

State or Province Name (full name) [Some-State]:<enter_city_name>

Locality Name (eg, city) []:<enter_locality_name>

Organization Name (eg, company) [Internet Widgits Pty Ltd]:<enter_org_name>

Organizational Unit Name (eg, section) []:<enter_org_unit_name>

Common Name (e.g. server FQDN or YOUR name) []:<enter_common_name>

Email Address []:<enter_email_address>

Please enter the following 'extra' attributes

to be sent with your certificate request

A challenge password []:<password>

An optional company name []:<company_name>

2. It is possible to sign the certificate using a self-signing mechanism or via CA.



Please refer to your organisation policy to choose a suitable signing mechanism for the certificate.

You can generate a self-signed digital certificate using our private key (`gws_rsa_key.p8`) and certificate signing request (`gws_server.csr`) file and store the certificate in a file called (`gws_server.crt`).

This `gws_server.crt` is uploaded when creating the jks file.

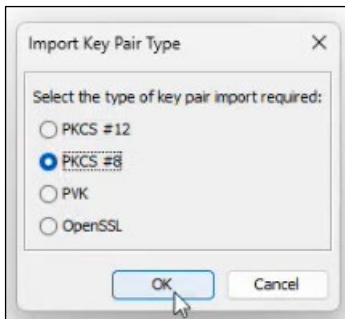
OpenSSL Command:

```
openssl x509 -req -sha256 -days 365 -in <source_path>/gws_server.csr -  
signkey <source_path>/gws_rsa_key.p8 -out <target/path>/gws_server.crt
```

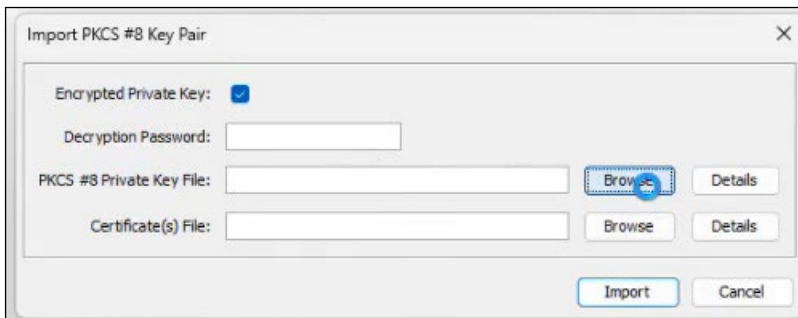
3. To create a JKS file using KeyStore in Windows follow the below steps:
 - i. Go to KeyStore and **Import key Pair**.

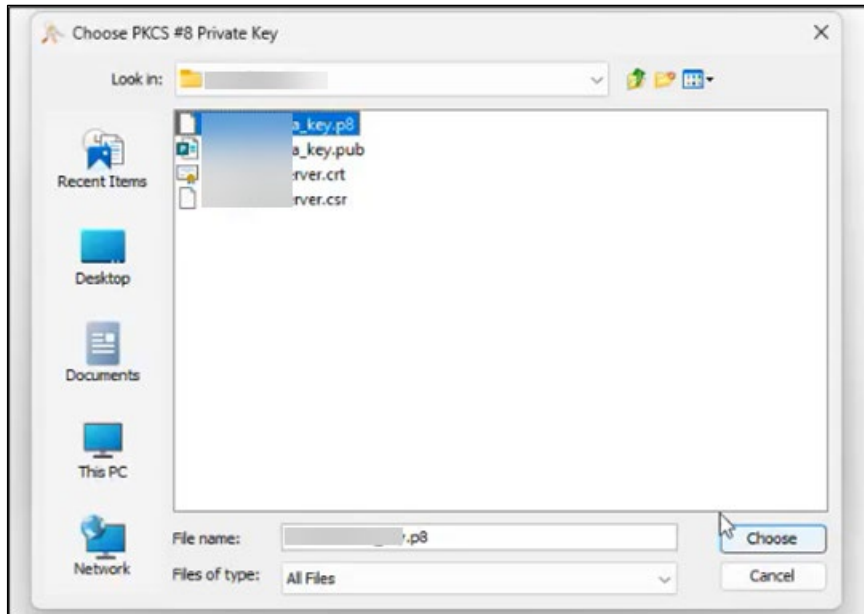


- ii. Select the type of key pair as **PKCS #8**.

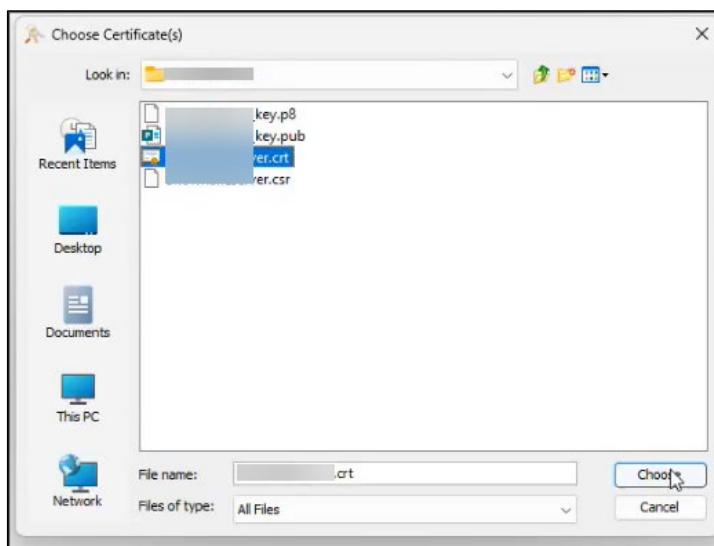
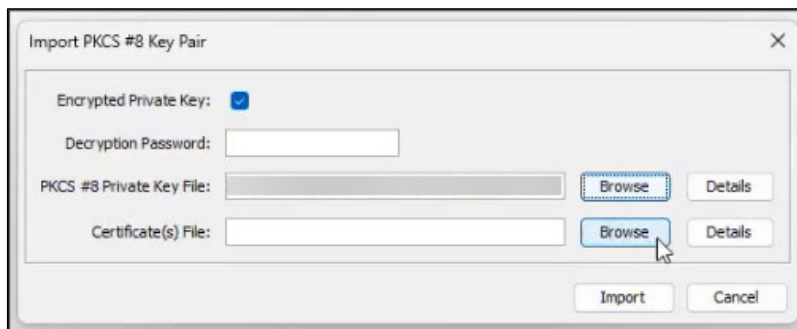


- iii. Add the private key file by uploading the PKCS **Private Key** file.

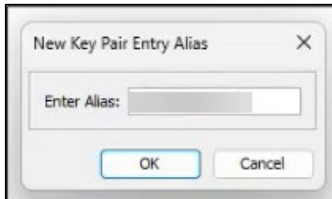
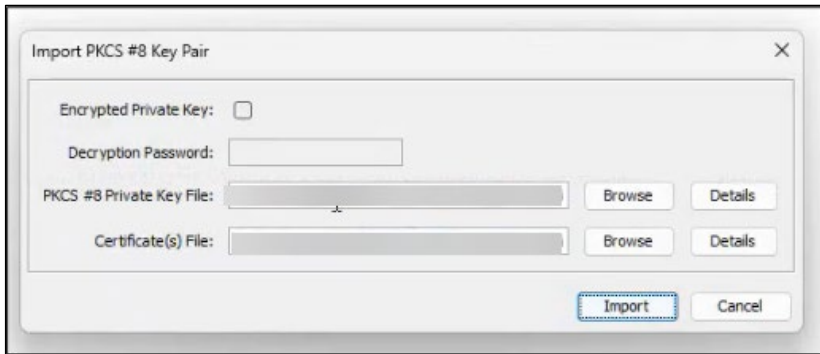




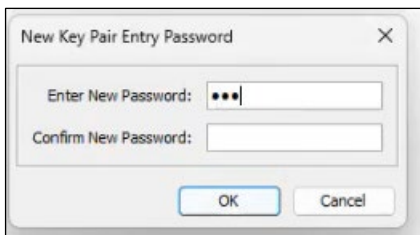
iv. Add the Google Workspace **Certificate(s) File** created above.



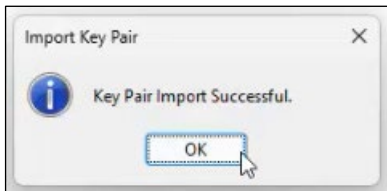
v. Click **Import** and provide the **Alias**.



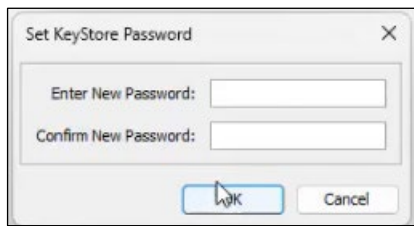
- vi. Provide a **New Key Pair Entry Password**.



- vii. You will get a message that indicates key pair import was successful.



viii. Provide the **KeyStore Password**.



ix. Finally, save the .jks file.

