Anaplan Adapter for SAP Integration Suite

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1 Introduction

1.1 Objective

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

Anaplan is a cloud-based planning and performance management platform designed to help organizations with various aspects of financial and operational planning. It provides tools for modelling, planning, and forecasting across different business functions, such as finance, sales, supply chain, and HR.

The Anaplan Receiver Adapter enables an SAP Integration Suite tenant to accelerate the implementation time and reduce the complexity of connecting to Anaplan based on its API.

1.5 Features

The Anaplan adapter has the following key features:

- **Secure Connection:** Secure connectivity to Anaplan using Authentication token obtained via OAuth2 Authorization Code or Basic Authentication mechanisms.

- **Support for standard operations:**
  - Delete File
  - Download File
  - Export and Download
  - Get Resource By ID
  - List Resource
  - Start an Action
  - Upload and Import
  - Upload File
  - Orchestrated File Upload
  - Orchestrated File Download

- **Flexibility to orchestrate multiple operations:** You can perform multiple operations in a single call like Export & Download.

- **Dynamic configuration with headers and properties:** Assigning dynamic values to different properties allows enhanced flexibility to your integration flows. You can also refer to dynamic parameters using SAP Cloud Integration exchange headers and properties.

- **Support for multiple payload formats:** You can provide payload in different formats like JSON, TEXT, and XML.

2 Installation and Configuration

This section details the prerequisites to configure the Anaplan adapter.

2.1 Adapter Installation on Cloud Foundry

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

Prerequisite

To deploy the Anaplan adapter, you must have access to the *Anaplan Adapter for SAP Integration Suite* as part of your SAP Integration Suite license.

Procedure

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

You can deploy the adapter using the following methods:

2.1.1 Adapter Installation by Creating a New Integration Flow

The Anaplan 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 the **Name** and **ID** for your flow. Additionally, select **Runtime Profile** from the drop-down and choose **Sender** and **Receiver** systems from the lis . 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 **Connecto** between the **End** and the **Receiver Box**.
   A drop-down with the available adapters appears. The **Anaplan** adapter should show up in the list.
6. Select the **Anaplan** adapter from the list. The adapter is now imported which *triggers* an adapter deployment. Once the Anaplan Adapter is deployed, a success message is *displayed*.

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

2.1.2 Adapter Installation without Creating a New Integration Flow

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

Purpose

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

Procedure

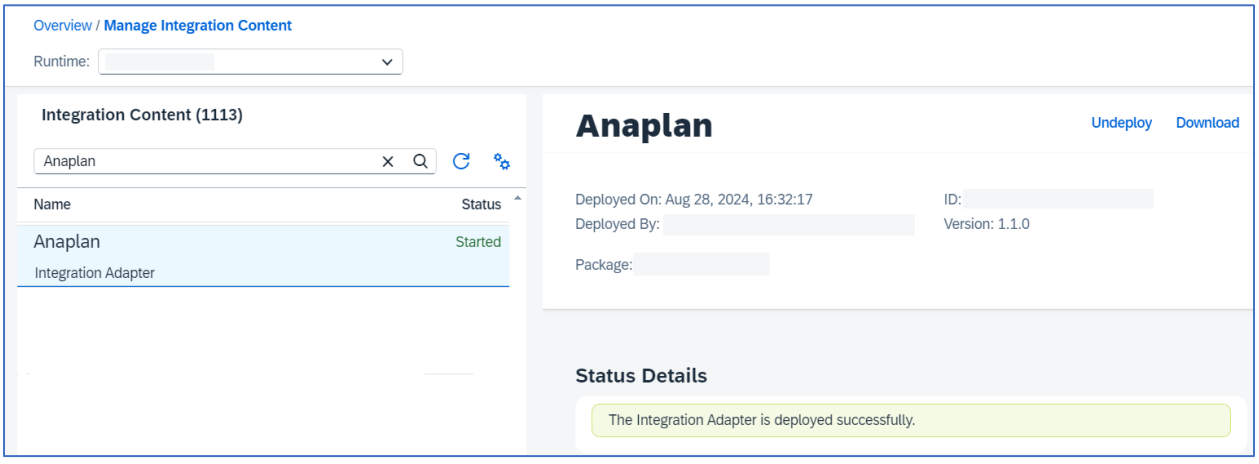
1. Go to **Discover** workspace.

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

2.1.3 Monitor the Deployment Status

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

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.



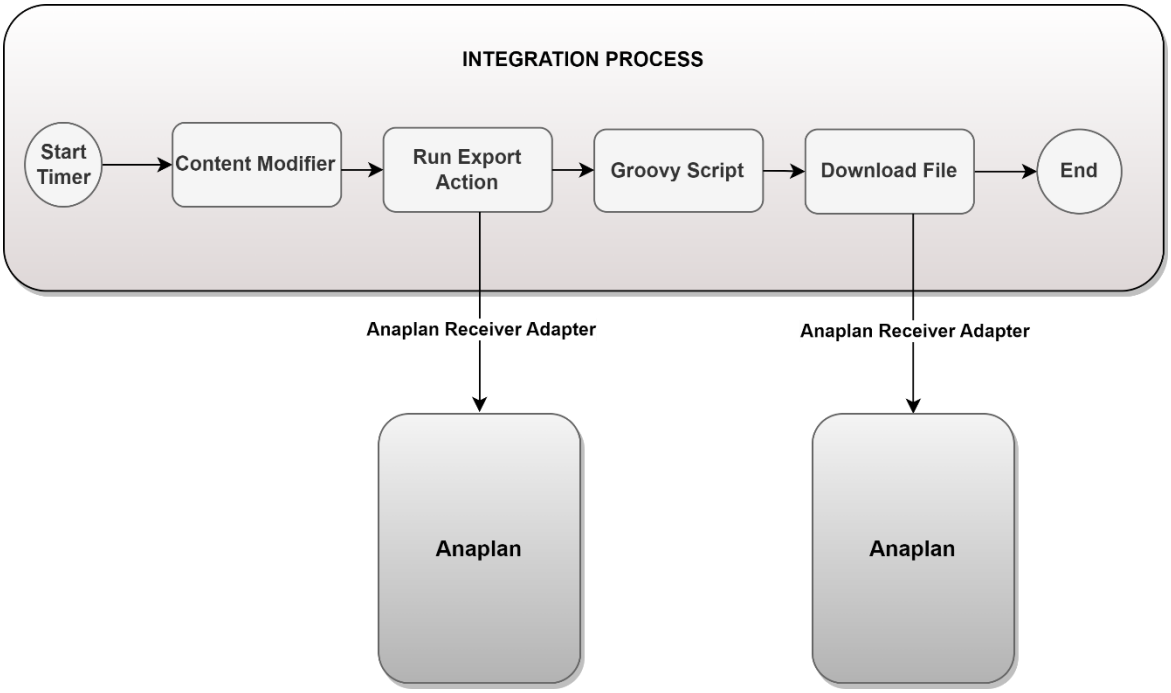
3 Getting Started: Anaplan Adapter

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

3.1 Architecture Overview

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

For example, the Anaplan Adapter can be used in an integration scenario for simple operations such as Start an action (Export) and Download a file, as shown in the following figure. If calls to Anaplan need to be scheduled, use the Scheduler steps within the integration flow.



In addition to this, the Anaplan Adapter can also be used in more complex scenarios where various operations are required to be combined in an integration process.

3.2 Application Configuration

To setup the application configuration in Anaplan, see the official documentation of Anaplan.

3.3 Authentication

This section provides details on the authentication mechanism supported by the Anaplan Adapter. The Anaplan adapter supports standard security artifacts like User Credentials, securely stored within the SAP Secure Store. This ensures that credentials can be safely provided to the Adapter.

Before setting up the authentication, you must create the Credentials in **Security Material.**

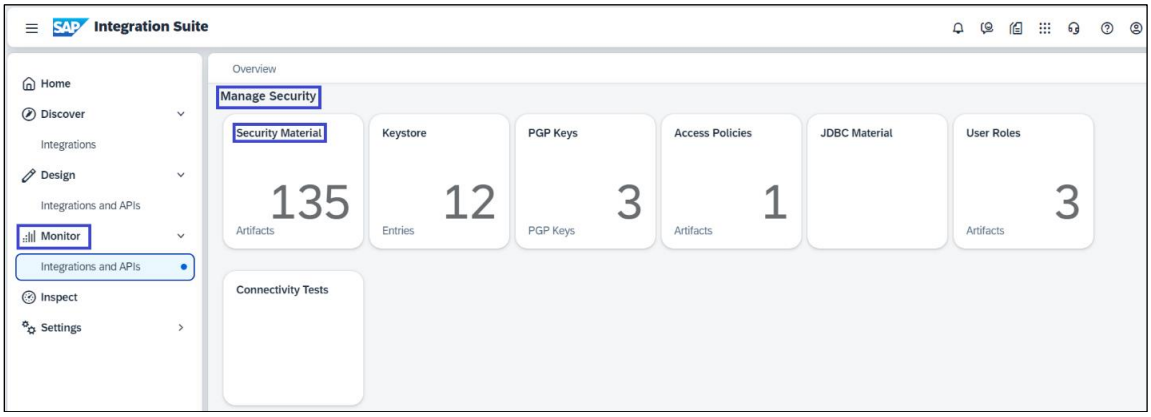
3.3.1 Creating User Credentials in Security Material

Purpose

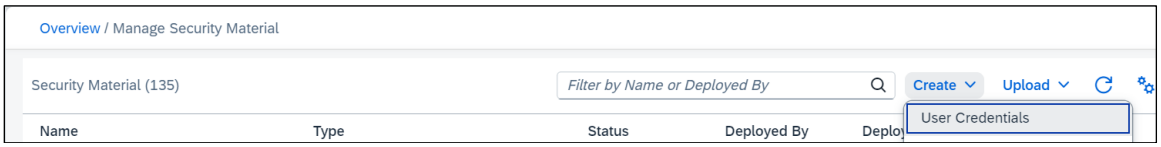
To create credentials in **Security Material** for authentication.

Procedure

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



3. On **Manage Security Material** page, click **Create** to select **User Credentials** from the dropdown.



4. In the **Create User Credentials** 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 assigned by this parameter.
Description	Enter a description for the artifact (optional).
Type	Select **User Credentials** if creating credentials for Anaplan. This allows you to configure a specific system to enable a connection with your integration flow artifact.
User	Specify the username used to invoke the receiver system. Anaplan username and password.
Password	Specify the password against which the user has to be authenticated.

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.

3.3.2 Creating OAuth2 Authorization Code in Security Material

> The OAuth2 Authorization Code security artifact is not supported for deployment to the Edge Integration Cell (EIC).

Purpose

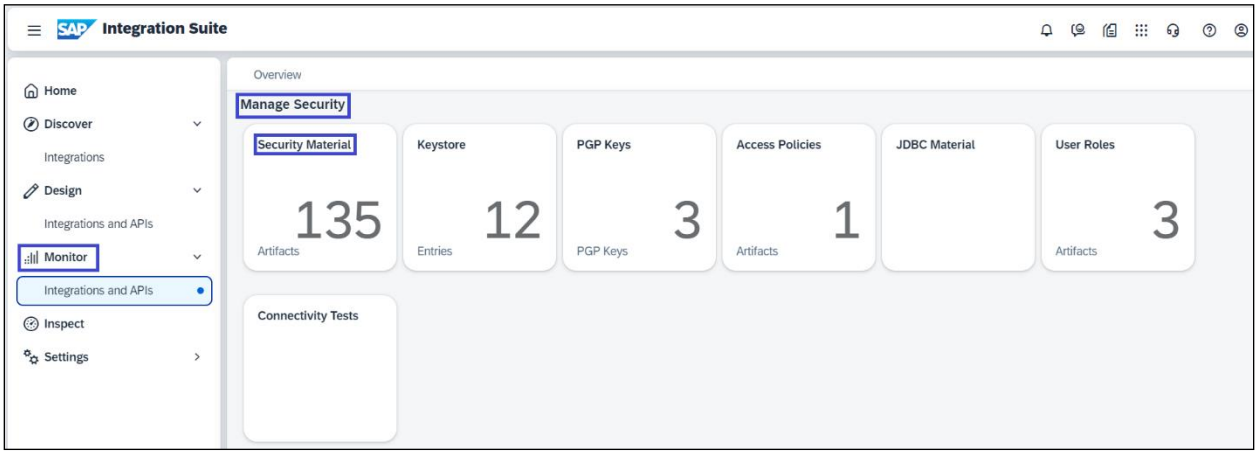
To create OAuth2 Authorization Code in Security Material.

Prerequisites

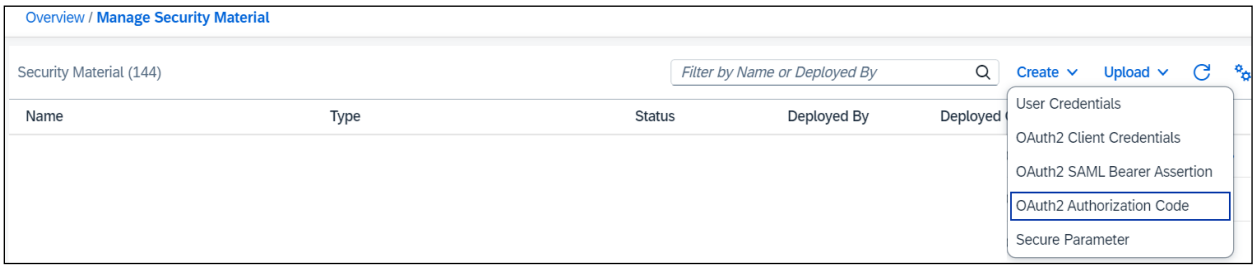
Before you begin, ensure you have created an OAuth 2.0 client in Anaplan. For more information, see Create an OAuth 2.0 client. You will require details like **Client ID** and **Client Secret** as you follow the below procedure.

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**.



3. On **Manage Security Material** page, click **Create** to select **OAuth2 Authorization Code** from the dropdown. For more information, see OAuth2.0 Authorization Code Grant.



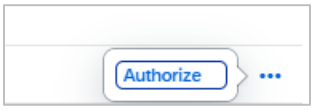
4. In the **Create OAuth2 Authorization Code** popup, provide the below details.

Field	Description
Name	Specify the name for the security artifact.
Description	Enter a description for the artifact (optional).

Field	Description
Provider	Select **Generic**
Authorization URL	Provide the Authorization URL for authorizing the OAuth client to access resources of a user. Example: `https://us1a.app.anaplan.com/auth/authorize`
Token Service URL	Address of the token service that issues the access token. Example: `https://us1a.app.anaplan.com/oauth/token`
Redirect URL	Displays the URL required 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	Select **Basic Authentication Header**
User Name	Name of the user whose resources the OAuth2 client gets access to.
Scope	Specify OAuth2 scopes protecting the access to the resources. If you add more than 1 scope, you need to separate your scopes by a blank space.

5. Click **Deploy**.

6. Finally, navigate to the extreme right of your screen and click on **...** to **Authorize** retrieval of the OAuth token.

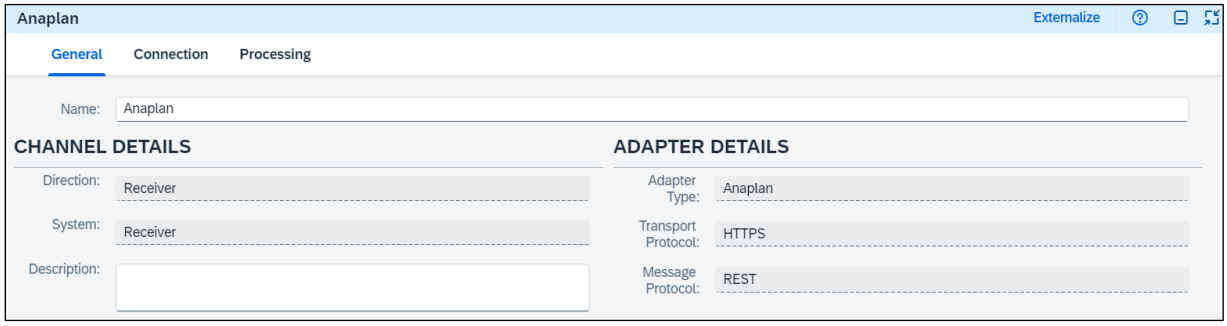


4 Adapter Configuration

Before you start using the Anaplan Adapter, basic connection and processing configurations need to be set up. This section describes the configurations and settings for your Anaplan adapter. To use this adapter, you will be required to configure the **Connection** and **Processing** tabs. A description and example usage for every field has been added.

4.1 General Tab

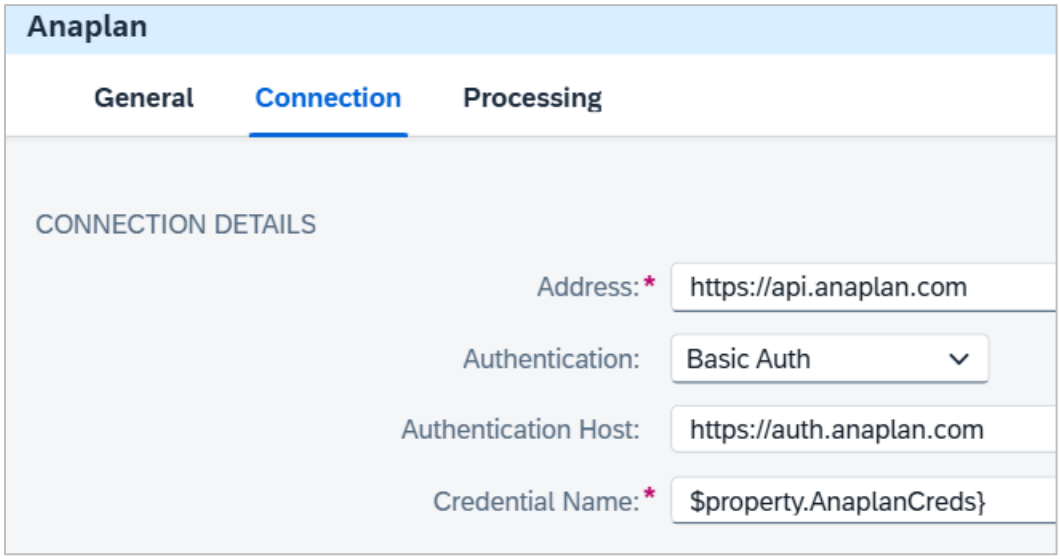
The General tab provides an overview of basic adapter information including **Channel** and **Adapter** details.



Field	Description
Name	Specify the name of the adapter flow.
Description	Specify the description of the adapter.

4.2 Connection Tab

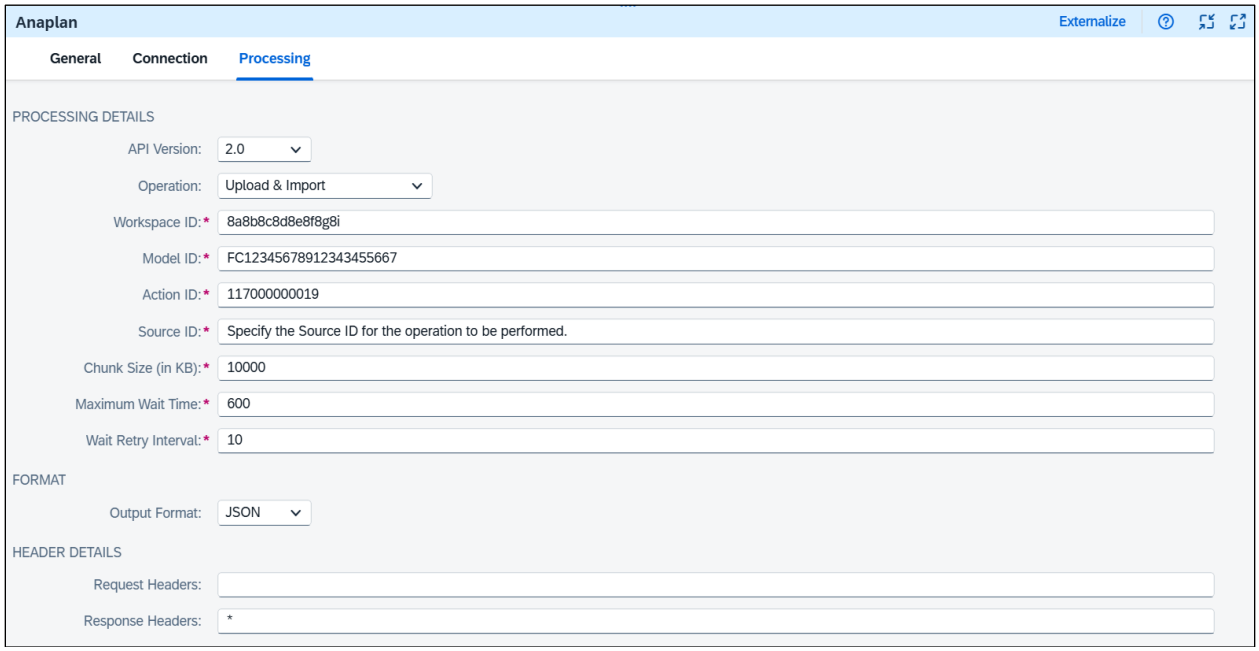
The Connection tab contains connection and authentication parameters.



Field	Description
Address	Specify the recipient's endpoint URL (Uniform Resource Locator) for Anaplan. Example: `https://api.anaplan.com`
Authentication	Select the required mode of authentication: • Basic Auth • Authorization Code
Authentication Host	Specify the Anaplan authentication host. Example: `https://auth.anaplan.com`
Credential Name	Specify the user credential or authorization code to be stored as a security artifact in **Security Material**. For steps on how to create a security artifact, see Authentication.

4.3 Processing Tab

The details entered in the Processing Tab are dependent on the selected operations that the Adapter supports.



Parameter	Description
Processing Details	
API Version	Select the API version to be used for this interaction with Anaplan.
Operation	Select the type of action to be executed in Anaplan by choosing one of the available operations. For more information, see Anaplan Adapter Operations.
Resource	Select the resource endpoint.
Workspace ID	Specify the Workspace ID where the operation should be performed. Example: `8a8b8c8d8e8f8g8i`
Model ID	Specify the Model ID for the operation to be performed. Example: `FC12345678912343455667`

Parameter	Description
Action ID	Specify the Action ID for the operation to be performed. Example: `117000000019`
Source ID	Specify the file ID for the operation to be performed.
Chunk Size (in KB)	Specify the chunk size (in KB) into which the message should be split while sending data to Anaplan. Maximum value allowed is 50000. Example: `10000`
Resource Parameters	Specify the parameter Name and Value in case resource path includes parameters. Example: Set **Name** to `id` and **Value** to `12345678`.
Query	Specify the query to be sent with the HTTP request. Example: `param1=value1&param2=value2`
Wait until Completed	Enable to wait until the task is completed. If disabled, the step will end after starting the task in Anaplan.
Maximum Wait Time	Specify the maximum duration (in seconds) for which the adapter will continue checking the task state. Example: `600`
Wait Retry Interval	Specify the interval (in seconds) when the adapter performs task state checks. This interval should be shorter than the **Maximum Wait Time**. Example: `10`
Format	
Input format	Select the payload format of the request body: • **JSON** • **TEXT**
Output format	Select the payload format of the request body: • **JSON** • **XML**

Parameter	Description
	• **TEXT**
Header Details	
Request Headers	Specify a list of custom headers, separated by a pipe (|), to be sent 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 on the values by defining a property that includes a list of headers.
Response Headers	Specify 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.

5 Anaplan Adapter Operations

The Anaplan Adapter supports API Version 2.0. It supports multiple operations in an Anaplan tenant.

This section lists and describes the operations supported by the Anaplan adapter. For a comprehensive list of all operations and resources available in Anaplan, see Appendix, and for detailed information on any particular operation, see Anaplan documentation.

The output file for all the operations is available in the following formats: JSON, TEXT, and XML.

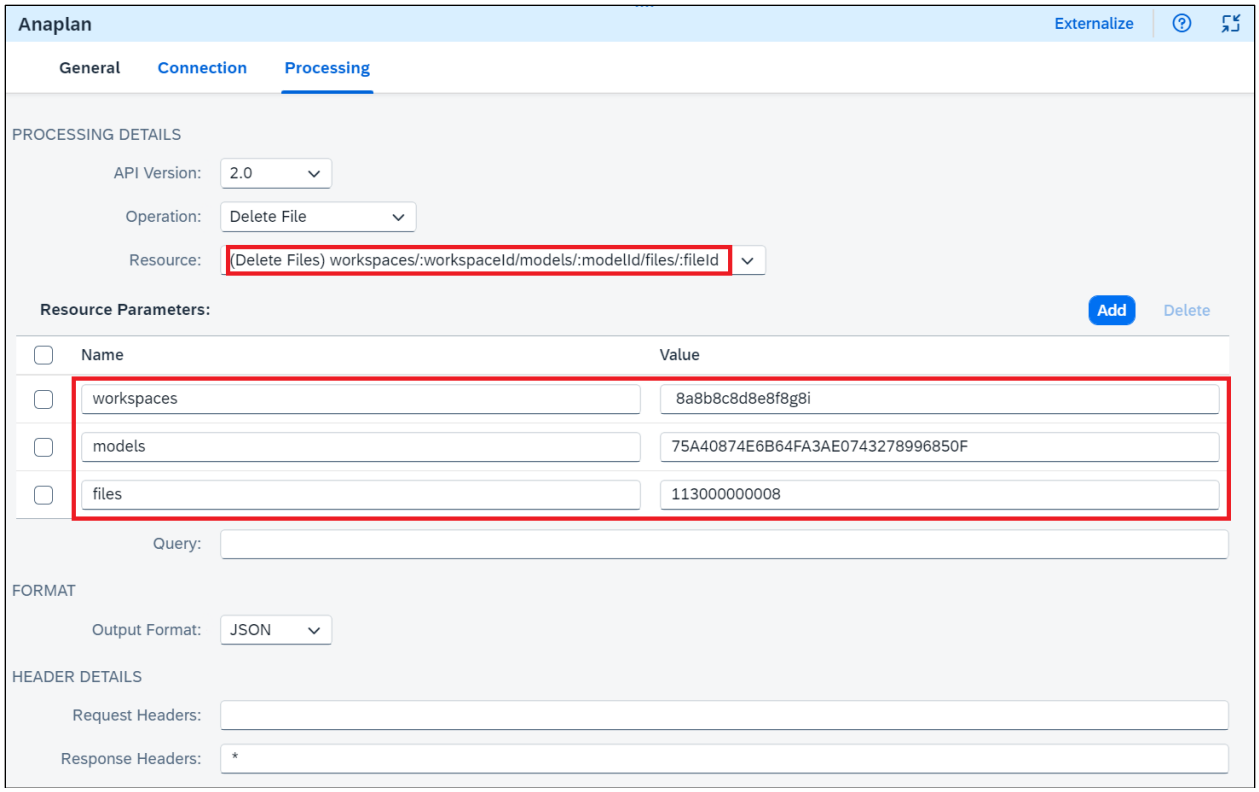
5.1 Delete File

The Delete File operation allows the deletion of private content stored in the Anaplan tenant, while the default content of the deleted file and its associated import data source model object are retained.

To delete the file using the Delete File operation, the following details must be provided:

Parameter	Description
workspaces	The workspace ID where the file to be deleted can be found. Example: 8a8b8c8d8e8f8g8i
models	The ID of the model where the file to be deleted is located. Example: 75A40874E6B64FA3AE0743278996850F
files	The ID of the file to be deleted. Example: 113000000008

The Resource Parameters option can be used to enter the required field. See the figure below for a sample configuration.



5.2 Download File

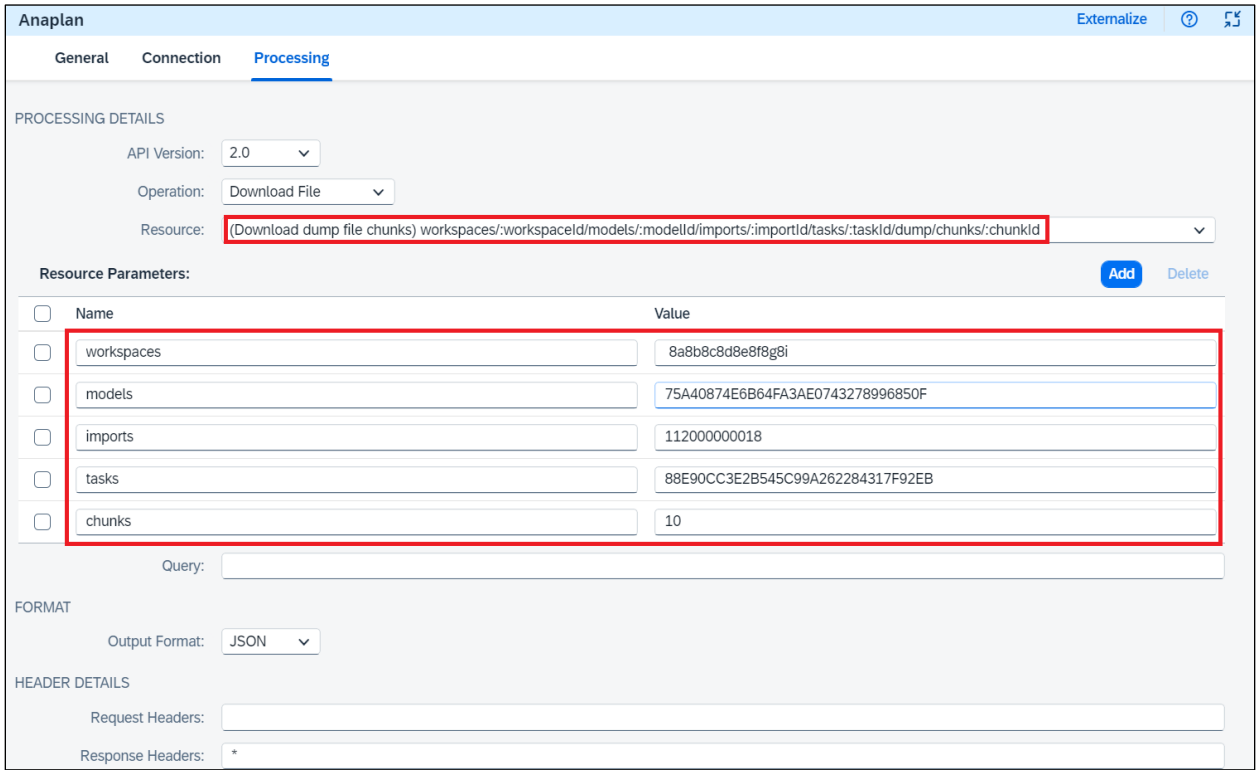
The Download File operation allows the downloading of dump files by chunk and the metadata of a specified chunk.
In this example, we accomplish this by utilizing the resource: **Download dump file chunks** which downloads the specified dump file chunks from the indicated source.

To download dump file chunks using the Download File operation, the following details must be provided:

Parameter	Description
workspaces	The workspace ID where the dump file to be downloaded can be found. Example: 8a8b8c8d8e8f8g8i
models	The ID of the model where the dump file to be downloaded is located. Example: 75A40874E6B64FA3AE0743278996850F

Parameter	Description
imports	The import ID of the dump file to be downloaded. Example: 112000000018
tasks	The task ID of the dump file to be downloaded. Example: 88E90CC3E2B545C99A262284317F92EB
chunks	The chunk ID of the dump file to be downloaded. Example: 10
files	The ID of the dump file to be downloaded. Example: 113000000002

The Resource Parameters option can be used to enter the required field. See the figure below for a sample configuration.



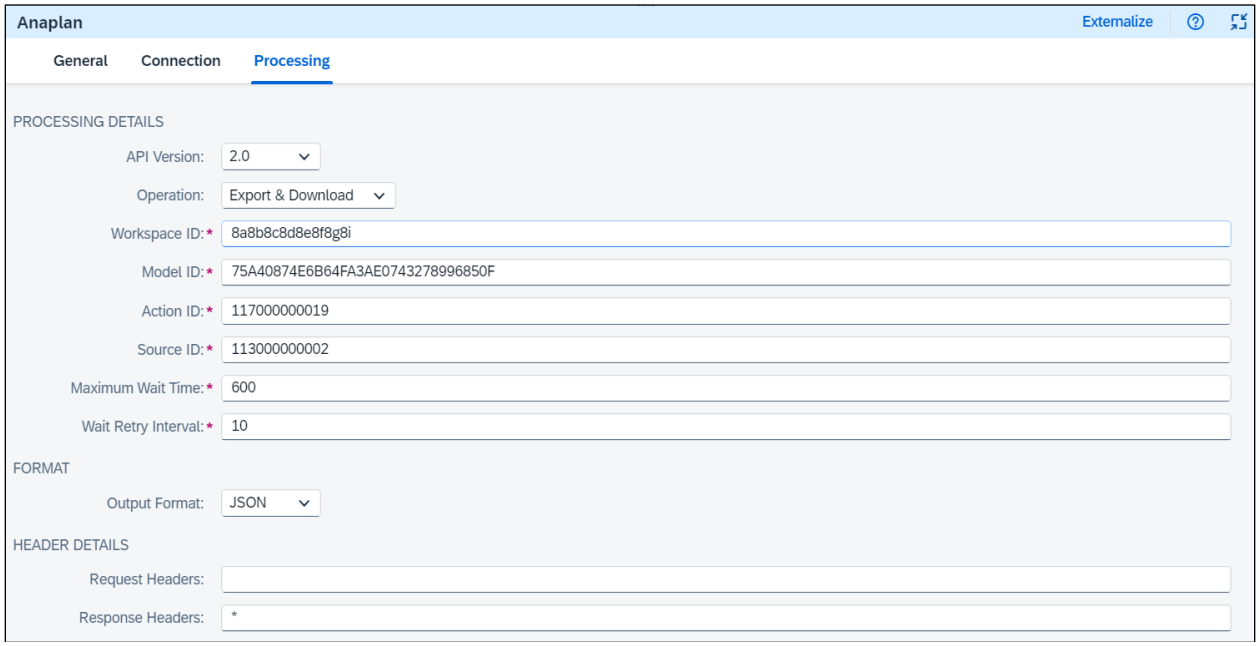
5.3 Export & Download

The Export & Download combines and automates the operations in an Anaplan tenant, wrapping two actions in one call. This eliminates the need to initiate an export action before a download action can be started.

The following sample configuration must be supplied:

Parameter	Description
Workspace ID	The workspace ID where the file to be exported and downloaded can be found. Example: 8a8b8c8d8e8f8g8i
Model ID	The ID of the model where the file to be exported and downloaded is located. Example: 75A40874E6B64FA3AE0743278996850F
Action ID	The export ID of the task to be exported and downloaded. Example: 117000000019
Source ID	The ID of the task to be exported and downloaded. Example: 113000000002
Maximum Wait Time	Specify the maximum duration (in seconds) for which the adapter will continue checking the task state. This is in seconds with a default value of 600 seconds.
Wait Retry Interval	Specify the interval (in seconds) at which the adapter performs task state checks. This interval should be shorter than the 'Maximum Wait Time'. Note: This value must be less than the specified Maximum Wait Time.

See the figure below for a sample configuration.



5.4 Get Resource By ID

The Anaplan Adapter supports multiple GET actions depending on the indicated resource ID.

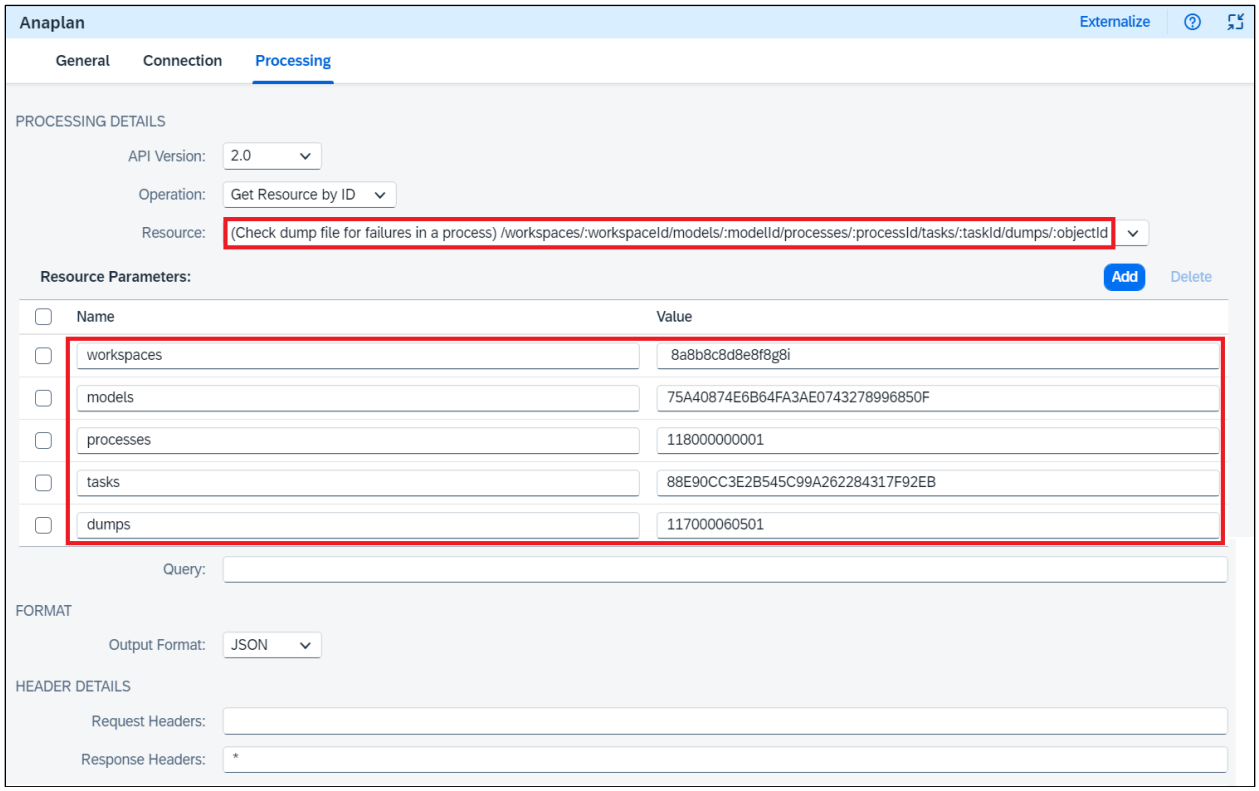
In this example, we accomplish this by utilizing the resource: **Check dump file for failures in a process** which retrieves data regarding failures in a process from the specified dump file.

To check the dump file for failures in a process using the Get Resource by ID operation, the following details must be provided:

Resource Parameter	Description
workspaces	The workspace ID where the process to be checked for failures is located. Example: 8a8b8c8d8e8f8g8i
models	The ID of the model where the process to be checked for failures is located. Example: 75A40874E6B64FA3AE0743278996850F

Resource Parameter	Description
processes	The process ID to be checked for failures. Example: 118000000001
tasks	The task ID of the dump file to be downloaded. Example: 5B882A63354A4B45A21C16F3644C9C1B
dumps	The ID of the dump file to be downloaded. Example: 117000060501

The Resource Parameters option can be used to enter the required field. See the figure below for a sample configuration.



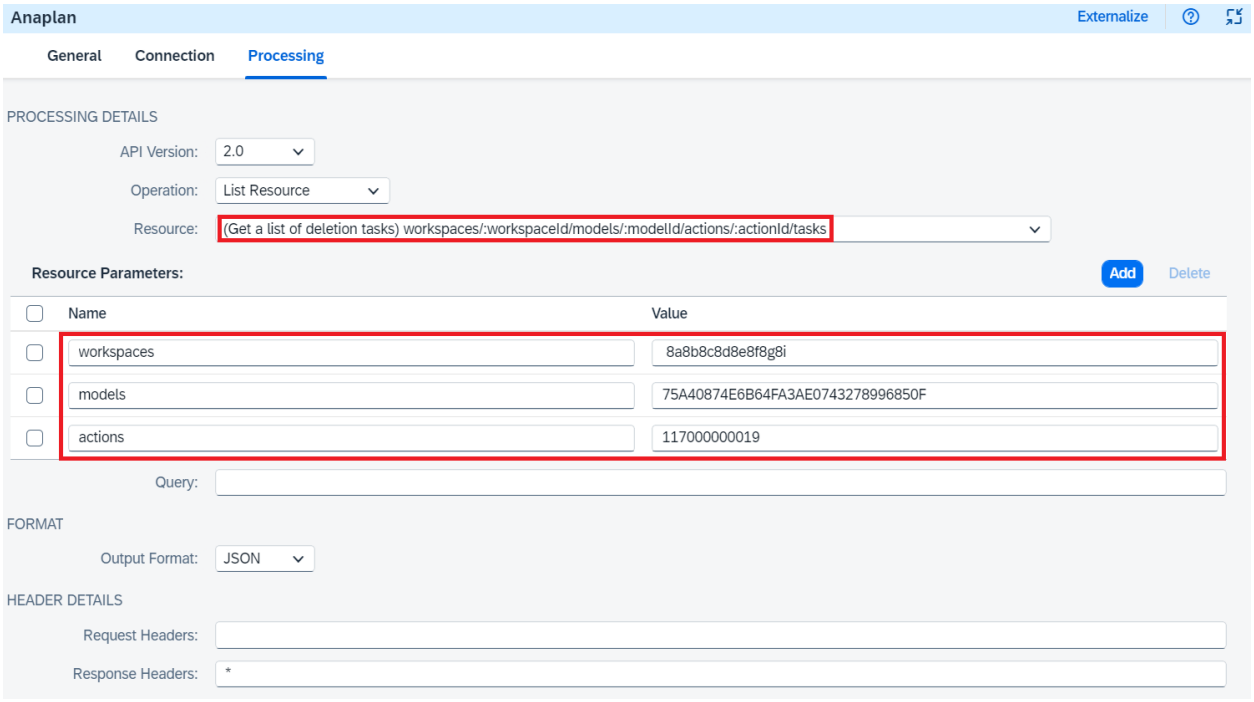
5.5 List Resource

The Anaplan Adapter supports multiple list actions depending on the selected resource. In this example, we accomplish this by utilizing the resource: **Get a list of deletion tasks** which returns a list of deletion tasks available for a given model.

To get a list of deletion tasks using the List Resource operation, the following details must be provided:

Resource Parameter Name	Description and Value
workspaces	The workspace ID where deletion tasks are queued. Example: 8a8b8c8d8e8f8g8i
models	The ID of the model where deletion tasks are queued. Example: 75A40874E6B64FA3AE0743278996850F
actions	The action IDs of the deletion tasks. Example: 117000000019

The Resource Parameters option can be used to enter the required field. See the figure below for a sample configuration.



5.6 Modify

The Anaplan Adapter allows the modification of certain resources in an Anaplan tenant.

> This operation can only be used by a Workspace Administrator.

In this example, we accomplish this by utilizing the resource: **Update list items** which updates items to both standard and numbered lists.

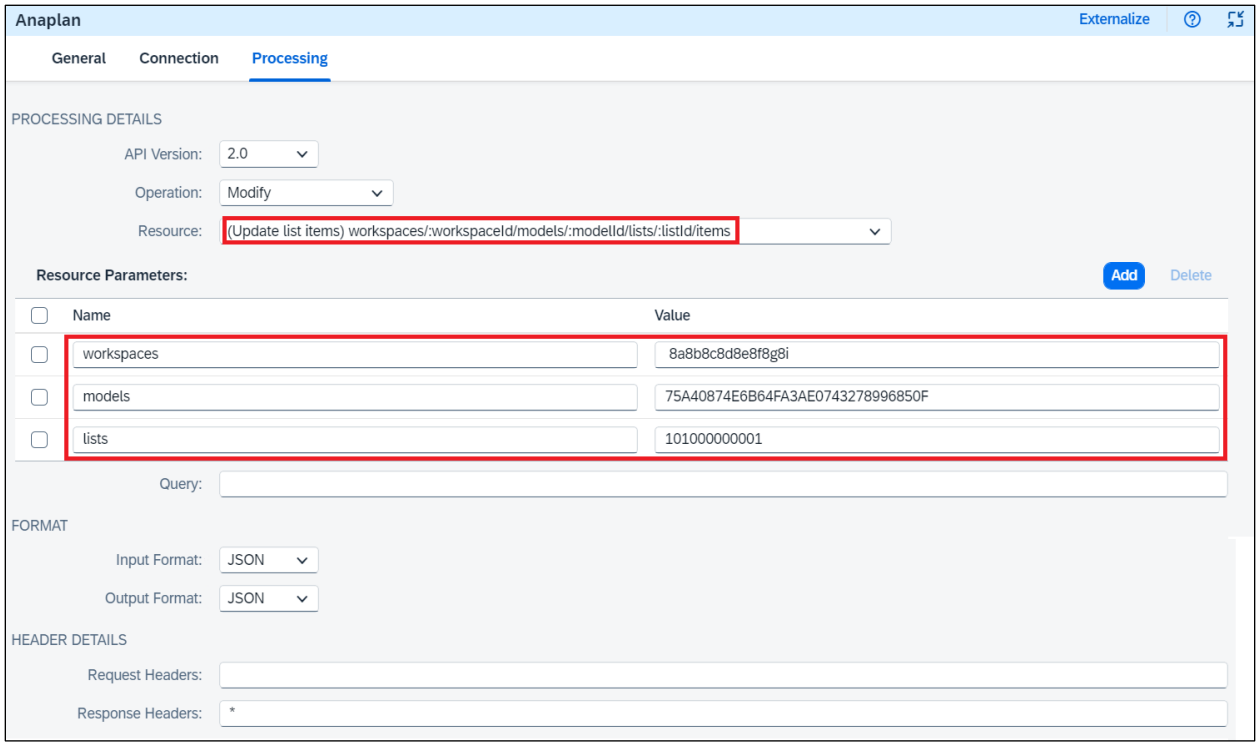
> The format for inputs required for this operation is either JSON or TEXT.

To update list items using the Modify operation, the following details must be provided:

Parameter	Description
workspaces	The ID of the workspace where the list which items to be updated to is located. Example: 8a8b8c8d8e8f8g8i

Parameter	Description
models	The ID of the model where the list which items to be updated to is located. Example: 75A40874E6B64FA3AE0743278996850F
lists	The ID of the list of which items are to be updated. Example: 101000000001

The Resource Parameters option can be used to enter the required field. See the figure below for a sample configuration.



5.7 Start an Action

The Anaplan Adapter supports the initiation of various tasks in an Anaplan tenant.

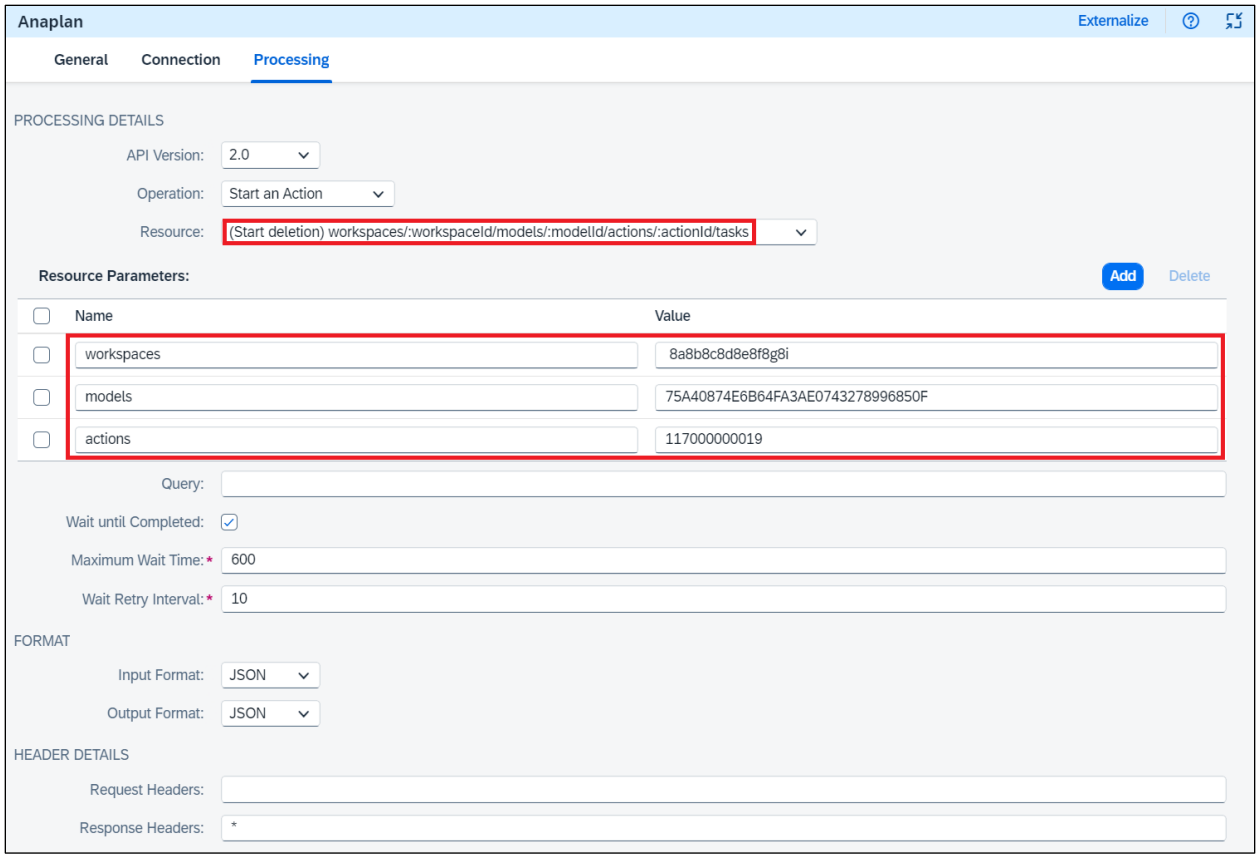
> The format for inputs required for this operation is either JSON or TEXT.

In this example, we accomplish this by utilizing the resource: **Start deletion**.
which initiates a deletion task.

To start deletion using the **Start an Action** operation, the following details must be provided:

Parameter	Description
workspaces	The ID of the workspace where the deletion task is to be initiated. Example: 8a8b8c8d8e8f8g8i
models	The ID of the model where the deletion task is to be initiated. Example: 75A40874E6B64FA3AE0743278996850F
actions	The ID of the deletion task. Example: 117000000019
Wait until Completed	Enable to wait until the task is completed. If disabled, the step will end after starting the task in Anaplan. This is to ensure that the action initiated is closed upon its completion. By default, this option is enabled.
Maximum Wait Time	Specify the maximum duration (in seconds) for which the adapter will continue checking the task state. This is in seconds with a default value of 600 seconds.
Wait Retry Interval	Specify the interval (in seconds) at which the adapter performs task state checks. This interval should be shorter than the 'Maximum Wait Time'. This value must be less than the specified Maximum Wait Time.

The Resource Parameters option can be used to enter the required field. See the figure below for a sample configuration.



5.8 Upload & Import

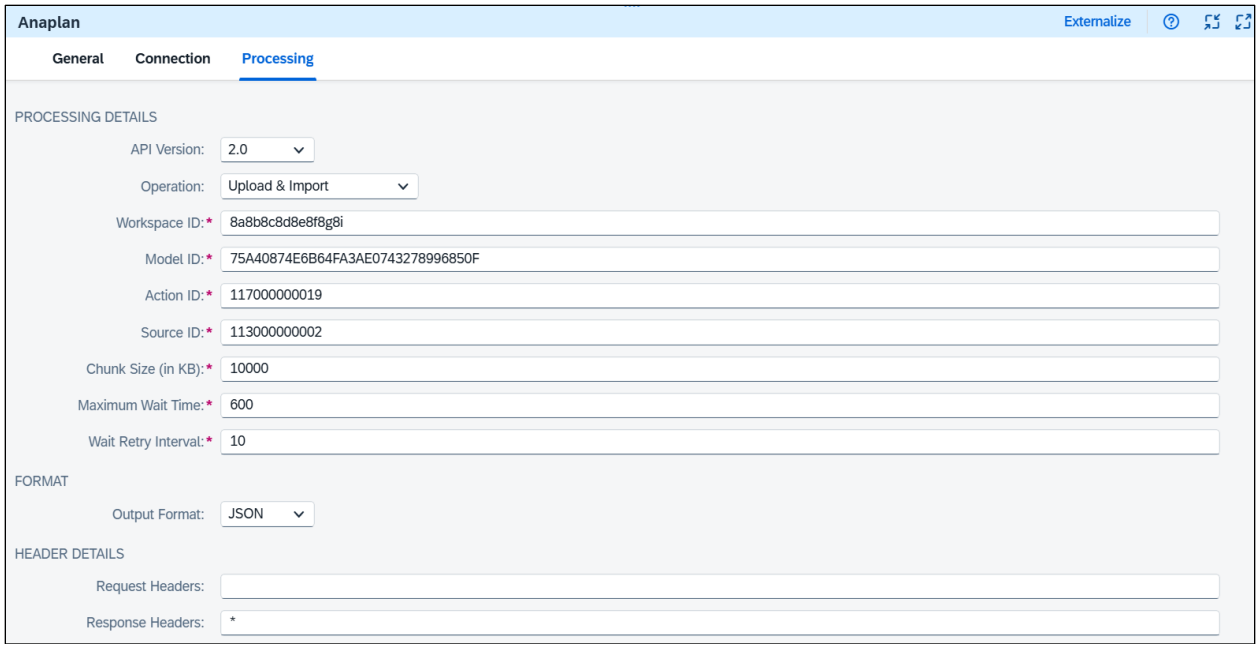
This operation combines and automates the Upload and Import operations in an Anaplan tenant. The Upload & Import operation in the Anaplan Adapter wraps two actions in one call. This eliminates the need to initiate an upload action before an import action can be started.

Use the following sample configuration:

Parameter	Description
Workspace ID	The workspace ID where the file to be uploaded and imported is to be stored. Example: 8a8b8c8d8e8f8g8i
Model ID	The ID of the model where the file to be uploaded and imported is stored. Example: 75A40874E6B64FA3AE0743278996850F

Parameter	Description
Action ID	The import ID of the task to be uploaded and imported. Example: 117000000019
Source ID	The source ID of the task to be uploaded and imported. Example: 113000000002
Chunk Size (in KB)	The size of each chunk that the file to be uploaded and imported is split into. The maximum size of each chunk is 50 000 KB.
Maximum Wait Time	Specify the maximum duration (in seconds) for which the adapter will continue checking the task state. This is in seconds with a default value of 600 seconds.
Wait Retry Interval	Specify the interval (in seconds) at which the adapter performs task state checks. This interval should be shorter than the 'Maximum Wait Time'. This value must be less than the specified Maximum Wait Time.

See the figure below for a sample configuration.



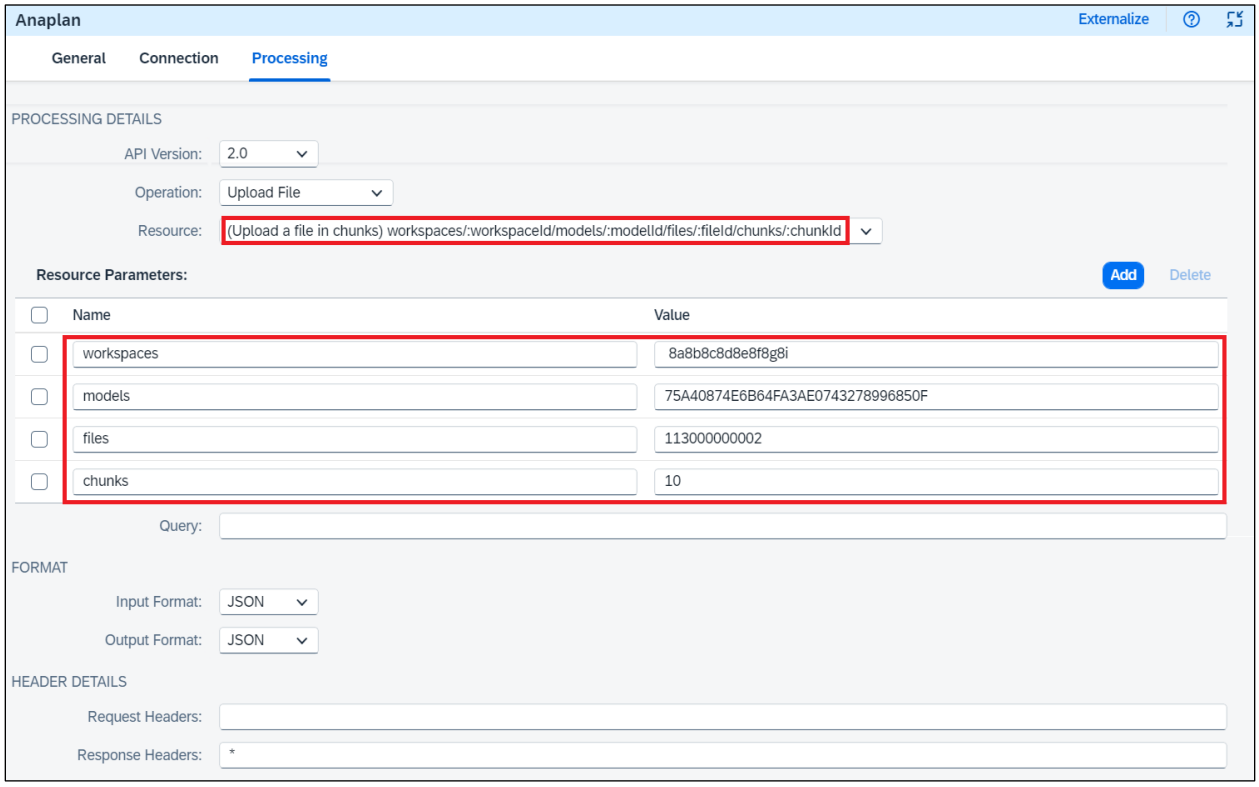
5.9 Upload File

The Anaplan Adapter supports two types of upload actions. In this example, we accomplish this by utilizing the resource: **Upload a file in chunks** which uploads a file in separate chunks.

To upload a file in chunk using the **Upload File** operation, the following details must be provided:

Parameter	Description
workspaces	The workspace ID where the file is to be uploaded. Example: 8a8b8c8d8e8f8g8i
models	The ID of the model where the file is to be uploaded. Example: 75A40874E6B64FA3AE0743278996850F
files	The ID of the file to be uploaded. Example: 113000000002
chunks	The ID of the chunk. Example: 10

The Resource Parameters option can be used to enter the required field. See the figure below for a sample configuration.



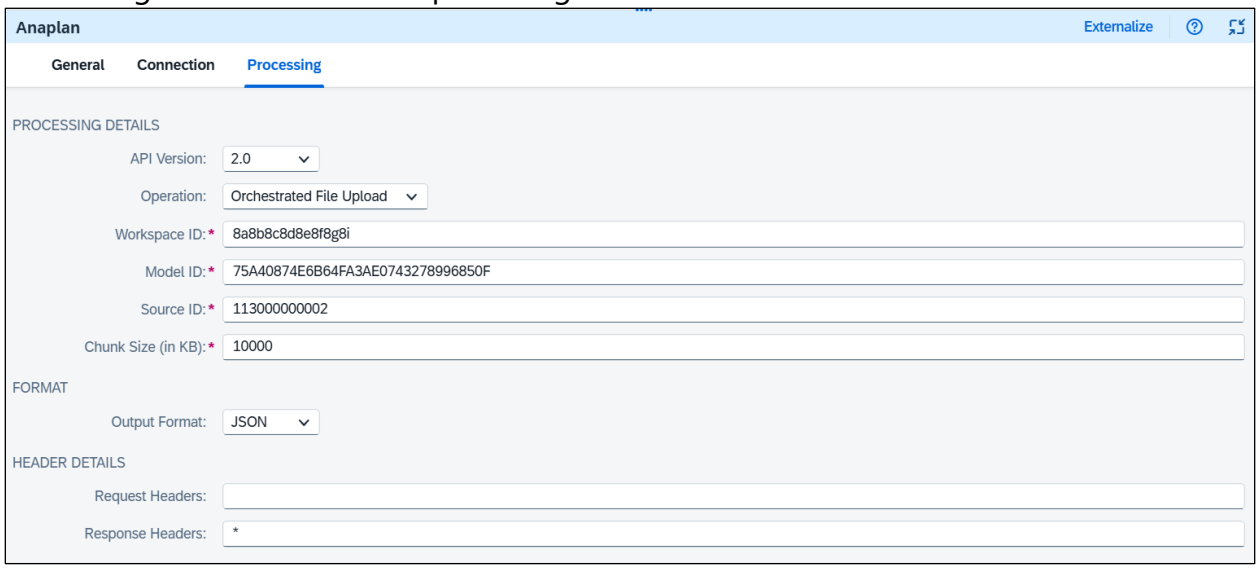
5.10 Orchestrated File Upload

The Orchestrated File Upload operation allows files to be uploaded in chunks, using a chunk size specified by the user.

To upload a file in chunk using the **Orchestrated File Upload** operation, the following details must be provided:

Parameter	Description
Workspace ID	The workspace ID where the file is to be uploaded. Example: 8a8b8c8d8e8f8g8i
Model ID	The ID of the model where the file is to be uploaded. Example: 75A40874E6B64FA3AE0743278996850F
Source ID	The ID of the file to be uploaded. Example: 113000000002
Chunk Size (in KB)	Specify the chunk size (in KB) into which the message should be split while sending to Anaplan. Maximum size allowed 50000(KB). Example: 10000

See the figure below for a sample configuration:



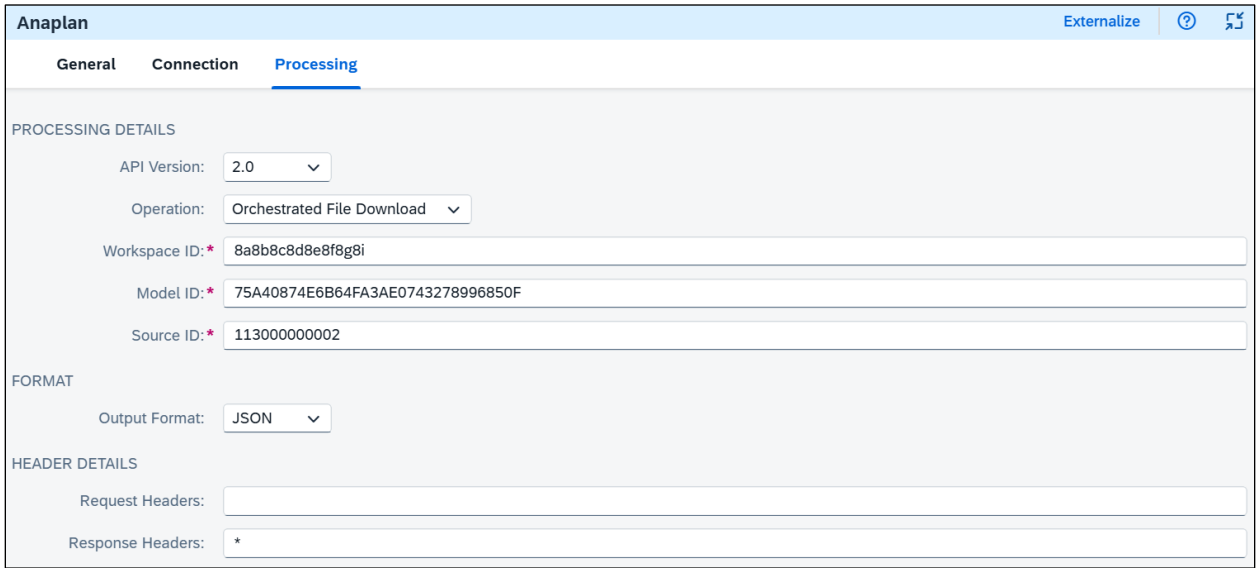
5.11Orchestrated File Download

The Orchestrated File Download operation allows the user to download files.

To download the file using the **Orchestrated File Download** operation, the following details must be provided:

Parameter	Description
Workspace ID	The workspace ID where the file is to be uploaded. Example: 8a8b8c8d8e8f8g8i
Model ID	The ID of the model where the file is to be uploaded. Example: 75A40874E6B64FA3AE0743278996850F
Source ID	The ID of the file to be uploaded. Example: 113000000002

See the figure below for a sample configuration:



6 Troubleshooting and Support

6.1 Tips

You can monitor, debug, and analyze errors or issues by changing the Log level of your integration flow to Traces. For more information, see Tracing.

6.2 Troubleshooting

6.2.1 Invalid Max Wait Time Error

Error code	Resolution
`[CONTENT] [CONTENT_DEPLOY] [RuntimeError] :{"message":"EXCEPTION","parameters": ["org. apache. camel. CamelException:[{\"errorCode\":\''13\'',\error\'':\"It is not allowed to configure 'Maximum Wait Time' with a lower value than 'Wait Retry Interval'\''}]'']}`	Maximum wait time must be between 180 to 18000 seconds and this error occurs when the Wait Retry interval exceeds the 'Maximum Wait Time'.

7 Appendix

The below tables provide details on the parameters required for specific operations and corresponding resources.

Operation	Resource Address
Delete File	(Delete Files) workspaces/:workspaceId/models/:modelId/files/:fileId
Download File	(Download dump file chunks) workspaces/:workspaceId/models/:modelId/imports/:importId/tasks/:taskID/dump/chunks/:chunkId
	(Download the dump file by chunks) workspaces/:workspaceId/models/:modelId/processes/:processId/tasks/:taskId/dumps/:objectId/chunks/:chunkId
	(Get the data in a chunk) workspaces/:workspaceId/models/:modelId/files/:fileId/chunks/:chunkId
Get Resource by ID	(Check dump file for failures in a process) /workspaces/:workspaceId/models/:modelId/processes/:processId/tasks/:taskId/dumps/:objectId
	(Get the metadata for an export definition) workspaces/:workspaceId/models/:modelId/exports/:exportId
	(Get the metadata for an import definition) workspaces/:workspaceId/models/:modelId/imports/:importId
	(Monitor the deletion tasks) workspaces/:workspaceId/models/:modelId/actions/:actionId/tasks/:taskId
	(Monitor the export tasks) workspaces/:workspaceId/models/:modelId/exports/:exportId/tasks/:taskId
	(Monitor the import tasks) workspaces/:workspaceId/models/:modelId/imports/:importId/tasks/:taskId
	(Monitor the process tasks) workspaces/:workspaceId/models/:modelId/processes/:processId/tasks/:taskId
	(Retrieve a specific model) models/:modelId
	(Retrieve list metadata) workspaces/:workspaceId/models/:modelId/lists/:listId

	(Retrieve metadata for a process) models/:modelId/processes/:processId
	(Retrieve metadata for dimensions on a view) models/:modelId/views/:viewId
	(Retrieve user information) users/:userId
	(Retrieve workspace information) workspaces/:workspaceId
	(Retrieve your user) users/me
List Resource	(Check dump file for failures in an import) workspaces/:workspaceId/models/:modelId/imports/:importId/tasks/:taskId/dump
	(Get a list of deletion tasks) workspaces/:workspaceId/models/:modelId/actions/:actionId/tasks
	(Get a list of the export tasks) workspaces/:workspaceId/models/:modelId/exports/:exportId/tasks
	(Get a list of the import tasks) workspaces/:workspaceId/models/:modelId/imports/:importId/tasks
	(Get current fiscal year) workspaces/:workspaceId/models/:modelId/modelCalendar
	(Get the chunks in a file) workspaces/:workspaceId/models/:modelId/files/:fileId/chunks
	(Get the ID and information for the model file to upload) workspaces/:workspaceId/models/:modelId/files
	(Get the list of tasks for the process) workspaces/:workspaceId/models/:modelId/processes/:processId/tasks
	(Getting the import ID) workspaces/:workspaceID/models/:modelID/imports/
	(List the actions in the model) workspaces/:workspaceId/models/:modelId/actions
	(List the available export definitions) workspaces/:workspaceId/models/:modelId/exports
	(List the process definitions available in a model) workspaces/:workspaceId/models/:modelId/processes
	(List user workspaces) workspaces

	(Lookup dimension items by name or code) workspaces/:workspaceId/models/:modelId/dimensions/:dimensionId/items
Modify	(Add list items) workspaces/:workspaceId/models/:modelId/lists/:listId/items
	(Complete the upload) workspaces/:workspaceId/models/:modelId/files/:fileId/complete
	(Delete list items) models/:modelId/lists/:listId/items
	(Delete list items) workspaces/:workspaceId/models/:modelId/lists/:listId/items
	(Set current period) workspaces/:workspaceId/models/:modelId/currentPeriod
	(Set the Chunk Count) workspaces/:workspaceId/models/:modelId/files/:fileId
	(Set version switchover date) models/:modelId/versions/:versionId/switchover
	(Update current fiscal year) workspaces/:workspaceId/models/:modelId/modelCalendar/fiscalYear
	(Update list items) workspaces/:workspaceId/models/:modelId/lists/:listId/items
	(Write cell data by coordinate to module) models/:modelId/modules/:moduleId/data
Start an Action	(Start deletion) workspaces/:workspaceId/models/:modelId/actions/:actionId/tasks
	(Start export) workspaces/:workspaceId/models/:modelId/exports/:exportId/tasks
	(Start import) workspaces/:workspaceId/models/:modelId/imports/:importId/tasks
	(Start process) workspaces/:workspaceId/models/:modelId/processes/:processId/tasks
Upload File	(Upload a file in chunks) workspaces/:workspaceId/models/:modelId/files/:fileId/chunks/:chunkId
	(Upload file as a single chunk) workspaces/:workspaceId/models/:modelId/files/:fileId