TIBCO Flogo® Connector for Google Docs User's Guide

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TIBC®

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TIBCO Documentation and Support Services

How to Access TIBCO Documentation

Documentation for TIBCO products is available on the TIBCO Product Documentation website, mainly in HTML and PDF formats.

The TIBCO Product Documentation website is updated frequently and is more current than any other documentation included with the product. To access the latest documentation, visit https://docs.tibco.com.

Documentation for TIBCO Flogo® Connector for Google Docs is available on the TIBCO Flogo® Connector for Google Docs Product Documentation page.

Product-Specific Documentation

The following documents for this product can be found on the TIBCO Documentation site:

- *TIBCO Flogo® Connector for Google Docs Installation*
- *TIBCO Flogo® Connector for Google Docs User's Guide*
- *TIBCO Flogo® Connector for Google Docs Release Notes*

How to Contact TIBCO Support

You can contact TIBCO Support in the following ways:

- For an overview of TIBCO Support, visit http://www.tibco.com/services/support.
- For accessing the Support Knowledge Base and getting personalized content about products you are interested in, visit the TIBCO Support portal at https://support.tibco.com.
- For creating a Support case, you must have a valid maintenance or support contract with TIBCO. You also need a user name and password to log in to https://support.tibco.com. If you do not have a user name, you can request one by clicking Register on the website.

How to Join TIBCO Community

TIBCO Community is the official channel for TIBCO customers, partners, and employee subject matter experts to share and access their collective experience. TIBCO Community offers access to Q&A forums, product wikis, and best practices. It also offers access to extensions, adapters, solution accelerators, and tools that extend and enable customers to gain full value from TIBCO products. In addition, users can submit and vote on feature requests from within the TIBCO Ideas Portal. For a free registration, go to https://community.tibco.com.

Overview

TIBCO Flogo® Connector for Google Docs allows you to store the output of any activity in a Google Document. The Google Document can then be shared with multiple users. The content of the document can be retrieved and transformed to a MIME type and used as an input by the subsequent activities.

For example, the HTML output of a document can be shared with multiple users for editing. To achieve it, create a REST based process and configure the input to the REST receiver to accept the HTML document. Then map the output of the REST receiver to **Google Docs Create** or **Google Docs Update** activity with "text/html" as MIME type. The Google Doc is then created or updated with the content of HTML. The user tracking the changes receives notification about the changes made to the document.

For information about how to use **Google Docs**, see **Google Docs** documentation.

Creating a Google Connection

To use Google Docs, you must first create a TIBCO Flogo® Connector for Google Docs connection. The Google connection contains all the parameters required to connect to your Google service account. The Google connection is used by all the activities in the Google Docs category.

Prerequisites

Before you create a connection, familiarize yourself with **Google Docs**. For details about how to use the product, see **Google Docs** product documentation.

You must have access to any document that needs to be accessed by the connection. Documents created will be **owned** by the service account.

Procedure

1. On the TIBCO Cloud Integration page, click the **Connections** tab and perform one of the following actions:

    *   To add a connection for the first time, click the **Google Connector** card. You can search for a connector card by typing the connector name in the search field.
    *   If you have existing connections and want to add a new connection, click the **Add Connection** link.

2. In the **Google Connector** dialog box, enter the connection details. For field descriptions, see Google Docs Connection Details.

3. Click **Save.**

Google Docs Connection Details

To establish the connection successfully, you must provide the information of the Google service account you want to connect to, using this connection.

The **Google Service Account Connector** dialog box contains the following fields:

Field	Description
Connection Name	Enter a name to identify this connection.
Description	Enter a description for the connection.
Service Account Key	The Service Account Key can be obtained from your Google service account URL. For more information, see the Google Cloud developer documentation. The key must be saved in a JSON file. Upload the JSON file by using the **Browse** button.

Google Docs Create

Use this activity to create a Google Document.

Configuration

The **Configuration** tab has the following fields that identify which Google connection to use.

Field	Description
Connection	The Google connection name. If you have multiple Google connections, select the one you want to use in this flow.
Indexable Content	Enable this option to permit Google to index the document for search engine optimization.

Input

The **Input** tab has the following fields:

Field	Description
name	The name or title of the document.
mimeType	Specify a Multipurpose Internet Mail Extension (MIME) type. The document is created using the specified MIME type unless there are compatibility issues. Comma-separated values are more commonly used to generate a spreadsheet and plain text is represented in a Word document. For a more definitive list of available MIME types, see https://www.iana.org/assignments/media-types/media-types.xhtml
description	Maps to the description metadata field of the document.
parentfolders	This comma separated list of folder ids will be mapped to the document's metadata. Each folder mentioned will contain the new document.
text	If the input is plain text, map it here.
base64	If the input is encoded as base64, map it here. It will be decoded before being sent to Google to create the document. Any binary field from a previous activity qualifies as base64 input.

Output

The **Output** tab displays the fields that correspond to the metadata for the newly created document.

Google Docs Get

Use this activity to get the data from a document. The data is formatted according to the mimetype selected. This activity corresponds to an export function in Google Docs.

Configuration

The **Configuration** tab has the following fields that identify which Google Docs connection to use.

Field	Description
Connection	Google connection name. If you have created multiple Google connections, select the one you want to use in this flow.
Metadata Only	Select if you only want the file metadata and not its contents.
Mime Type	Select the file format in which you want to export the file. If the file format specified is incompatible with the information to be exported, Google Docs will export the file in the MIME type specified.

Input

This tab has the following fields:

Field	Description
fileId	The file Id of the file to get. In absence of file ID, specify the file name. However, be mindful of duplicate name hazards when using file names.
fileName	If the file ID is available instead of the file name, map the file ID here with as much of the parent folder structure as is known to enable the connector to locate the file ID. As multiple files can have the same name in Google Docs workspace, provide parent folder information such as "parentroot/parent/filename".
mimeType	Overrides the MIME type selected in the configuration panel.

Output

The **Output** tab displays the fields that correspond to the metadata for the newly created document.

Google Docs Update

Use this activity to update the data and metadata of Google documents.

Configuration

The **Configuration** tab has the following fields that identify which Google connection to use.

Field	Description
Connection	Google connection name. If you have created multiple Google connections, select the one you want to use in this flow.
Google Mime Type	Select the value based on the type of data being sent to replace the existing document.
Indexable Content	Enable this option to permit Google to index the document for search engine purposes.

Input

This tab has the following fields:

Field	Description
fileId	To update the file ID for the document.
fileName	If the file ID is available instead of the file name, map the file ID here with as much of the parent folder structure as is known to enable the connector to locate the file ID. As multiple files can have the same name in Google Docs workspace, provide parent folder information such as "parentroot/parent/filename".
updates	These fields relate to the data and metadata for the document.

Output

The **Output** tab displays the fields that correspond to the metadata for the newly created document.

Google Docs Delete

Use this activity to permanently delete a document.

Configuration

The **Configuration** tab has the following fields that identify which Google connection to use.

Field	Description
Connection	Google connection name. If you have created multiple Google connections, select the one you want to use in this flow.

Input

This tab has the following fields:

Field	Description
fileId	To delete a file, you must provide either file ID or file Name.
fileName	If the file ID is available instead of the file name, map the file ID here with as much of the parent folder structure as is known to enable the connector to locate the file ID. As multiple files can have the same name in Google Docs workspace, provide parent folder information such as "parentroot/parent/filename".

Output

The **Output** tab contains a single field called "success", which provides a boolean value: true or false.

Google Docs Copy

Use this activity to copy a document to one or more new folders.

Configuration

The **Configuration** tab has the following fields that identify which Google connection to use.

Field	Description
Connection	Google connection name. If you have multiple Google connections, select the one you want to use in this flow.

Input

This tab has the following fields:

Field	Description
sourceFileId	This is the file ID of the file that you want to copy. Either file ID or file Name must be provided.
sourceFileName	If the file ID is available instead of the file name, map the file ID here with as much of the parent folder structure as is known to enable the connector to locate the file ID. As multiple files can have the same name in Google Docs workspace, provide parent folder information such as "parentroot/parent/filename".
destinationName	Map the desired name of the file in its destination folder.
destinationFolderIDs	Map a comma separated list of parent folder IDs to which the destination copy should belong.

Output

The **Output** tab displays the fields that correspond to the metadata for the newly created document.