

# **TIBCO Flogo® Connector for Google Sheets User's Guide**

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# TIBCO Documentation and Support Services

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## 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 Sheets is available on the TIBCO Flogo® Connector for Google Sheets 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 Sheets Installation*
- *TIBCO Flogo® Connector for Google Sheets User's Guide*
- *TIBCO Flogo® Connector for Google Sheets 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](https://community.tibco.com). For a free registration, go to <https://community.tibco.com>.

# Overview

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TIBCO Flogo® Connector for Google Sheets allows you to edit spreadsheets in real-time.



For details on using Google Sheets, refer to the Google Sheets documentation.

# Creating a Google Connection

You must create a Google connection before you can use the TIBCO Flogo® Connector for Google Sheets connector. The Google connection contains all the parameters required to connect to your Google account. The Google connection is used by all the activities in the Google Sheets category.



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

To create a Google connection, click the **Connections** tab on the Flogo® Enterprise page.

If this is the first connection you are adding, do the following:

1. Click the **Google Connector** tile.
2. Enter the values for the fields in the **Google Connector** dialog. See [Google Connection Details](#) topic for a description of the fields.
3. Click **Save**.

If you have existing connections for any connector in Flogo® Enterprise, the connections will be displayed on the **Connections** page.

1. Click **Add Connection**.
2. Click the **Google Connector** tile.
3. Enter the values for the fields in the **Google Connector** dialog. See [Google Connection Details](#) topic for a description of the fields.
4. Click **Save**.

## Google Connection Details

Provide the information for your Google account that this connection will connect to.

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

Field	Description
Connector Name	Enter a name to identify this connection.
Description	Optionally, enter a description for the connection.
Service Account Key	Obtain the Service Account Key from your Google account URL. Refer to the Google Cloud developer documentation on how to obtain the key. The key must be saved in JSON format. Upload the JSON file using the <b>Browse</b> button.

# GetGoogleSheetData

Use this activity to retrieve data from your Google Sheets. You can specify a cell range from which to retrieve data.

## 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.
Row or Column	Specify whether you want the data retrieved (output of the activity) to be oriented by rows or columns.

## Input

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

Field	Description
spreadsheetId	This is a mandatory field. The ID that is a part of the URL for the spreadsheet. For example, if the URL for the spreadsheet is <code>https://docs.google.com/spreadsheets/d/1fIJ7c57nPwpor9NDarbDdBiCCDQ6lXP_jVG2u79lCKns/edit#gid=0</code> , the spreadsheetID is <code>1fIJ7c57nPwpor9NDarbDdBiCCDQ6lXP_jVG2u79lCKns</code>
sheetId	This is a mandatory field. The name of the tab which appears at the bottom of the sheet.
cellRange	The range of the area to be retrieved starting from the first cell to be retrieved to the last cell to be retrieved. For example, <code>D4:H17</code> . If you do not specify anything it will get the whole sheet.

## Output

The **Output** tab displays the fields that correspond with the output of the activity. The data appearing in this tab is for informational purpose only and cannot be modified.



# CopySheet

Use this activity to copy data from one tab in a source Google Sheet to another tab in a destination Google Sheet. This activity will copy the data from the named sheet to the destination Google sheet. Make sure that the destination sheet already exists.

## 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

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

Field	Description
sourceSpreadsheetId	This is a required field which cannot be left blank. The spreadsheetID of the source Google Sheet from which to copy data.
sourceSheetId	This is a required field which cannot be left blank. The sheetID of the source Google sheet from which to copy data.
destinationSpreadsheetId	This is a required field which cannot be left blank. The destination spreadsheet where the data will be copied. The destination sheet must exist.

## Output

The **Output** tab displays the fields that correspond with the output of the activity. The data appearing in this tab is for informational purpose only and cannot be modified.

# UpdateGoogleSheetData

Use this activity to update an area of the Google sheet with the data you provide in the input schema of this activity.

## Configuration

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

Field	Description
Connection	Google Sheets connection name. If you have created multiple Google Sheets connections, select the one you want to use in this flow.
Create Titles From Object	You can specify new data with which to update the Google Sheets. This data is entered in the <b>Input Settings</b> tab. Selecting <b>True</b> in this tab will ensure that both titles and their values for the new data will be entered in the Google Sheet when it is updated. If you select <b>False</b> , the Google sheet will be updated with only the data without the title.
Row or Column	Select whether you would like the output of this activity to be presented in Rows or Columns.
Include Values In Response	If you select <b>True</b> , this activity will display the updated values of the data in the <b>Output</b> tab.

## Input Settings

The **Input Settings** tab allows you to provide an optional series of labeled fields which will be applied to the input schema as named properties for each row. This allows you to map arbitrary fields from the output of previous activities to the named fields you have provided. If you do not provide named fields you can map arrays of fields or arrays of objects to the spreadsheet data. In such a case, the fields being mapped must be simple objects not complex objects.

## Input

The **Input** tab displays the column names that you entered in the **Input Settings** tab. If no fields were defined, can map arrays of fields, or arrays of simple objects from any preceding activity using the Mapper or alternatively you can enter their values manually.

Field	Description
spreadsheetId	This is a mandatory field. The ID that is a part of the URL for the spreadsheet. For example, if the URL for the spreadsheet is <a href="https://docs.google.com/spreadsheets/d/1fIJ7c57nPwp9NDarbDdBiCCDQ6lXP_jVG2u79lCKns/edit#gid=0">https://docs.google.com/spreadsheets/d/1fIJ7c57nPwp9NDarbDdBiCCDQ6lXP_jVG2u79lCKns/edit#gid=0</a> , the spreadsheetID is 1fIJ7c57nPwp9NDarbDdBiCCDQ6lXP_jVG2u79lCKns
sheetId	This is a mandatory field. The name of the tab which appears at the bottom of the sheet.
startCell	The coordinates of the beginning cell from where to start writing the data on the destination sheet.

Field	Description
overWrite	When set to <b>False</b> , it appends the data to the sheet. If set to <b>True</b> , it overwrites any existing data.

### Output

The **Output** tab displays the fields that correspond with the output of the activity. The data appearing in this tab is for informational purpose only and cannot be modified.

# ClearGoogleSheetData

Use this activity to erase data from a whole Google Sheet or a part of the sheet.

## 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

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

Field	Description
spreadsheetId	This is a mandatory field. The ID that is a part of the URL for the spreadsheet. For example, if the URL for the spreadsheet is <code>https://docs.google.com/spreadsheets/d/1fIJ7c57nPwp0r9NDarbDdBiCCDQ61xP_jVG2u79lCKns/edit#gid=0</code> , the spreadsheetID is <code>1fIJ7c57nPwp0r9NDarbDdBiCCDQ61xP_jVG2u79lCKns</code>
sheetId	This is a mandatory field. The name of the tab which appears at the bottom of the sheet.
cellRange	Leave blank to clear the whole sheet/. Example "B13:G16" to clear a range. to clear one cell just give the cell location example "B13" if you do not provide a cell range it will clear every thing on the sheet.

## Output

The **Output** tab displays the fields that correspond with the output of the activity. The data appearing in this tab is for informational purpose only and cannot be modified.