

TIBCO Flogo® Connector for Slack

User's Guide

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Overview

Slack is a collaboration tool used for communication within an organization. You can communicate over Slack by using public channels, private channels, and direct messaging. The TIBCO Flogo® Connector for Slack makes use of APIs offered by Slack. You can create a customized Slack app and connect the app to the connector to automate operations such as gathering information from services and directing it to specific channels. For example, a Slack channel can be automatically notified whenever a flow with a Salesforce trigger is activated with updates from Salesforce.com.

Use the **Slack Connector** tile in your flows to perform Slack operations such as creating channels, inviting users, posting messages, and other related operations in your Slack workspace.

To use the connector, you must first create a Slack connection. After creating a Slack connection, you can add a Slack activity to define operations.



Note: For details on using Slack, refer to the Slack product documentation.

Creating a Slack Connection

When you create a Slack connection for the first time, ensure that the prerequisites are met. Setting up the prerequisites is a one-time activity that you perform when you establish a connection for the first time.



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

Creating a Slack Connection for the First Time

To use TIBCO Flago® Connector for Slack, you must first create a connection. The Slack connection contains the parameters required to connect to the Slack workspace. You need this connection to interact with the Slack workspace.

Before you begin

The following prerequisites are for the Slack app:

- Ensure that you have a Slack account.
- Create and open a Slack workspace.
- Build a Slack app. For more information, see "Building Slack Apps" in Slack documentation.
- In your Slack app, in **Settings > Features > OAuth and Permissions** section, add a **Redirect URL**. For example, to redirect to TIBCO Cloud™ Integration, the **Redirect URL** could be <https://integration.cloud.tibco.com/wistudio/connectiondetails>. For more information, see "OAuth and Permissions" in Slack documentation.

Procedure

1. On TIBCO Cloud™ Integration, click the **Connections** tab.
2. Click the **Slack Connector** tile.
3. In the Slack Connector window, enter the connection details. For the field descriptions, see [Slack Connection Details](#).

4. Click **Login** and provide your workspace URL and Slack user credentials to log in to Slack.
 - a. Review the permission scopes.
 - b. Click **Allow** to approve the permission scopes. The app is installed in your Slack workspace.

Result

If the authorization is successful, the connection is created and you can see the Slack connector in the **Connections** tab of Flogo® Enterprise.

Creating Subsequent Slack Connections

If you already have an existing connection for the Slack connector, the connections are displayed on the **Connections** tab. You need not go through the prerequisites after you establish the connection for the first time.

Procedure

1. Click **Add Connection**.
2. Click the **Slack Connector** tile.
3. In the Slack Connector window, enter the connection details. For the field descriptions, see [Slack Connection Details](#).
4. Click **Login** and provide your workspace URL and Slack user credentials to log in to Slack.
 - a. Review the permission scopes.
 - b. Click **Allow** to approve the permission scopes. The app is installed in your Slack workspace.

Result

If the authorization is successful, the connection is created and you can see the Slack connector in the **Connections** tab of TIBCO Cloud Integration.

Slack Connector Connection Details

You can use the Slack Connector window to provide more information of the instance that this connection connects to.

See the Slack documentation for a detailed explanation of these fields. The Connections Details window contains the following fields:

Field	Description
Name	Name for the Slack connection that you are creating.
Description	A short description of the connection.
Client ID	The Client ID is available in the App Credentials on the Slack API Applications page. For more information, see Slack Documentation. The client ID and the client secret enable the connector to securely access the Slack API.
Client Secret	The Client Secret is available in the App Credentials on the Slack API Applications page. For more information, see Slack Documentation. The client ID and the client secret enable the connector to access the Slack API. This is confidential and should not be shared with anybody.

Slack Operation

Slack operation is an activity provided by the Slack connector to automate operations on channels, chats, and conversations. By using the Slack operation, you can create public or private channels, invite users, post, delete messages and perform other related actions.

Every activity has a **Configuration** tab to configure the activity, an **Input** tab to set the input values for the activity, and an **Output** tab to set the output values for the activity.

Configuration

On the **Configuration** tab, you can define the Slack connection, the type of object, and the method that must be used.

Field	Description
Connection	Specify the Slack connection that you created. If you have created multiple Slack connections, select the one you want to use from the drop down menu.
Object	<p>The Slack operation supports the following objects:</p> <ul style="list-style-type: none"> chat: Select this option to post, update, or delete messages on a slack channel. conversations: Select this option to perform operations associated with conversations object. It is mostly used for operations related to public channels, private channels, direct messaging, and group direct messaging.
Method	These are the methods supported by every object. The items in the list vary based on the object selected. For example, if you selected conversations, some methods listed are create, invite, join, leave, and so on.

Input

The input schema for this activity is displayed in a tree format on this tab. The schema varies according to the object that you selected in the **Configuration** tab. You can provide the input values in the mapping input fields directly or use Mapper to map the input values to a field from the output of a preceding activity in the flow.

Output

The **Output** tab displays the activity schema in a tree structure format. The output of an activity is read-only. The information in the schema varies based on the fields selected on the **Configuration** tab. The properties that are displayed in the schema correspond to the output of this activity and can be used as input by subsequent activities in the flow.

TIBCO Documentation and Support Services

For information about this product, you can read the documentation, contact TIBCO Support, and join TIBCO Community.

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>.

Product-Specific Documentation

The following documentation for TIBCO Flogo® Connector for Slack is available on the [TIBCO Flogo® Connector for Slack](#) Product Documentation page:

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

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