TIBCO Flogo® Connector for Apache CouchDB User's Guide

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Two-Second Advantage®

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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 Apache CouchDB is available on the TIBCO Flogo® Connector for Apache CouchDB Product Documentation page.

Product-Specific Documentation

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

- *TIBCO Flogo® Connector for Apache CouchDB Installation*
- *TIBCO Flogo® Connector for Apache CouchDB User's Guide*
- *TIBCO Flogo® Connector for Apache CouchDB 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

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Overview

Apache CouchDB is an open source database system. You can use the web browser to modify the documentation and see the modifications immediately. The web administration console of CouchDB is user friendly and is used with all the mobile applications.

For information about how to use Apache CouchDB, see the Apache CouchDB documentation.

Creating an Apache CouchDB Connection

To use TIBCO Flogo® Connector for Apache CouchDB, you must configure an Apache CouchDB client connection. The Apache CouchDB connection is used by all the activities in the Apache CouchDB category. The Apache CouchDB connection contains the parameters required to connect to the Apache CouchDB database.

Prerequisites

Before you create a connection, familiarize yourself with Apache CouchDB. For details about how to use Apache CouchDB, see the Apache CouchDB documentation.

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 Apache CouchDB 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 Apache CouchDB Connector dialog box, enter the connection details. For field descriptions, see the Apache CouchDB Connection Details topic.

3. Click **Save Connection**.

Apache CouchDB Connection Details

To establish the connection successfully, specify the following connection details in the Apache CouchDB dialog box:

Field	Description
Connection Name	The unique name for TIBCO Flogo® Connector for Apache CouchDB. This name is displayed in the **Connection Name** drop-down list for each activity.
Host Name	Enter the IP address of the server. For example: http://127.0.0.1
Port	Enter the port number. For example: 5984
User	Enter the user name
Password	Enter the password

Apache CouchDB Query

You can use the Apache CouchDB Query activity to find a document from the database based on the input criteria.

Configuration

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

Field	Description
Connection	Select the Apache CouchDB connection from the drop-down list.
Database	Select the Apache CouchDB database from the drop-down list.

Input Settings

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

Field	Description
Selector Expression	Provide a selector expression. Sample selector expression: ```{"$or": [{ "year": {"$gt": "?year1"} }, { "year": {"$lt":"?year2"} }] }``` This sample shows a selector expression where the year is greater than year1 and is less than year2. If you consider 2001 as year1 and 2018 as year2 then the sample shows year greater than 2001 and less than 2018.
FieldName	Select the type for each placeholder used in selector expression For example: STRING, NUMBER, BOOLEAN, JSON, ARRAY, and so on.

Input

The **Input** tab contains the input schema. The fields that were selected on the **Input Settings** tab are available in the schema. You can either hard code their values or map them to a field from the output of a preceding activity in the flow by using the mapper.

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

Field	Description
Selector	You must provide values for the placeholders from selector expression
Placeholders	You must provide input value to the placeholders

Field	Description
Limit	You must provide maximum number of results returned. Default limit is 25. It is an optional field.
Skip	You must skip the first 'n' results, where 'n' is the value specified. It is an optional field.
Sort	You must provide the JSON array following sort syntax. It is an optional field.
Fields	You must provide the JSON array specifying the fields of each document that should be returned. If it is omitted, the entire object is returned. It is an optional field.

Output Settings

The **Output Settings** tab has the following field:

Field	Description

Response Schema	Provide the CouchDB JSON schema.
	
	Sample JSON schema:
	
	`{`
	`  "_id": "100063",`
	`  "_rev": "1-90d4068b3946fe809a9c9022f1e1c354",`
	`  "title": "The Love She Sought",`
	`  "year": 1990,`
	`  "rating": null,`
	`  "runtime": "100 min",`
	`  "genre":`
	`  [`
	`    "Drama"`
	`  ],`
	`  "poster": "http://ia.media-imdb.com/images/M/`
	`MV5BMjEwODQzODc2Nl5BMl5BanBnXkFtZTgwMDY2ODk1MDE@._V1_SX300.jpg",`
	`  "imdb":`
	`  {`
	`    "rating": 7.9,`
	`    "votes": 747,`
	`    "id": "tt0100063"`
	`  }`
	`}`

Output

The **Output** tab displays the output schema of the activity as a tree structure. The output is read-only. The output (result set) varies based on the **Fields** selected on the **Input** 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.