



# TIBCO Flogo®

## Release Notes

Version 2.26.1 | February 2026



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# New Features

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The following features have been added in this release of TIBCO Flogo®, TIBCO Flogo® Extension for Visual Studio Code, and Flogo® Connectors.

## Custom Headers in InvokeRest Activity

You can now add custom headers manually in the InvokeRest activity, even when it is configured with an API specification. This provides consistent header management similar to the REST trigger. For more information, see [InvokeRESTService](#).

## Array Duplication in Mapper

The mapper now supports duplicating arrays from multiple sources, allowing you to combine items from different data sources within a single array. Additionally, you can add new items to the duplicated array. For more information, see [Array Merge and Split](#).

## Support for Add Item Option in @Merge Node

Users can now add an empty array as a child node to a merge node using the Add Item option. This enhancement also enables you to perform split and merge operations on empty arrays. For more information, see [Array Merge and Split](#).

## Circuit Breaker Pattern Support

This release introduces support for the circuit breaker pattern. This prevents cascading failures in distributed systems, improving the stability and fault tolerance of applications. For more information, see [Using the Circuit Breaker in an Activity](#).

## Flogo REST Basic Authentication Support

Flogo now supports Basic Authentication for REST triggers. You can configure basic authentication credentials directly within the REST trigger, enabling secure access for incoming webhooks and resolving issues where authorization headers were previously ignored. For more information, see [REST Trigger- ReceiveHTTPMessage](#).

## TIBCO Flogo® Connector for TIBCO Enterprise Message Service™

**JNDI Naming URLs:** TIBCO Flogo® Connector for TIBCO Enterprise Message Service™ now supports using Java Naming and Directory Interface (JNDI) naming URLs when configuring TIBCO EMS connection factories. For more information, see the "EMS Connection Details" topic in *TIBCO Flogo® Connectors User Guide*.

## TIBCO Flogo® Connector for Model Context Protocol (MCP)

**Support for Elicitation, Sampling, and Logging Activities:** TIBCO Flogo® Connector for Model Context Protocol (MCP) now supports Elicitation, Sampling, and Logging Activities. For more information, see the "TIBCO Flogo® Connector for Model Context Protocol" topic in TIBCO Flogo® Connectors User Guide.

### **TIBCO Flogo® Connector for Apache Kafka**

**KAFKA Connection: Schema Registry Vendor:** A new field, **Schema Registry Vendor**, is available on the Kafka Connection. This field allows you to specify a schema registry vendor.

- When you select **None** as the Schema Registry Vendor, messages are produced and consumed as Avro payloads. This option provides backward compatibility.
- When you select a specific Schema Registry Vendor, the payload follows the vendor-specific wire format that the registry defines.

**Schema Registry: One-Way SSL Authentication:** You can now use one-way SSL authentication for the Schema Registry. This provides an additional layer of security for your Kafka connections.

# Changes in Functionality

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The following change has been made in this release of TIBCO Flogo®, TIBCO Flogo® Extension for Visual Studio Code, and Flogo Connectors.

## **TIBCO Flogo® Connector for Model Context Protocol (MCP)**

### **API Key Authentication Type Renaming**

The BearerToken authentication type is renamed to API Key. Existing applications using BearerToken require an update to API Key to avoid an invalid authentication error. Importing old projects results in EMPTY for the authentication type.

# Deprecated Features

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## **Deprecation Notice: macOS Installer for TIBCO Flogo® Extension for Visual Studio Code**

The installer for the TIBCO Flogo® Extension for Visual Studio Code on macOS (Darwin) is planned to be deprecated starting with the TIBCO Flogo® 2.26.2 release. On macOS, you can continue to use the TIBCO Flogo® Extension for Visual Studio Code Dev Containers, which is the best practice going forward. For more information, see [Using the Extension with Visual Studio Code Dev Containers](#).

## Removed Features

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No features have been removed this release of TIBCO Flogo®, TIBCO Flogo® Extension for Visual Studio Code, and Flogo Connectors.

# Migration and Compatibility

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The following information provides migration procedures and a compatibility matrix for this release of TIBCO Flogo®, TIBCO Flogo® Extension for Visual Studio Code, and Flogo Connectors.

Custom Flogo extensions built using APIs from the [github.com/TIBCOSoftware/flogo-lib](https://github.com/TIBCOSoftware/flogo-lib) repository are not compatible with TIBCO Flogo® Extension for Visual Studio Code and Flogo® capability on TIBCO® Control Plane. To ensure compatibility, custom extension source code must be migrated to use APIs from the [github.com/project-flogo/core](https://github.com/project-flogo/core) repository (<https://github.com/project-flogo/core>).

In case of any issues, reach out to [support@tibco.com](mailto:support@tibco.com).

# Closed Issues

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The following issues have been fixed in this release of TIBCO Flogo®, TIBCO Flogo® Extension for Visual Studio Code, and Flogo Connectors.

| Key         | Summary   |
|-------------|---|
| FLOGO-17288 | Applications upgraded to version 2.26.0 encounter validation errors because subflow outputs are not correctly marked as objects.  |
| FLOGO-17287 | Applications fail to build with TIBCO Flogo® version 2.26.0, even though they build successfully with previous versions.  |
| FLOGO-17243 | The Invoke REST activity does not allow dynamically setting the host and protocol directly from a database value, requiring workarounds.  |
| FLOGO-17134 | GRPC Trigger and Invoke activity show incorrect Secure Connection and Mutual TLS certificate fields during app creation.  |
| FLOGO-17133 | A selected oneof/anyof schema does not render in the tree when the schema is inside an array and array mapping is performed.  |
| FLOGO-17114 | When a Dockerfile is generated using the build-docker-image or the package-docker-image command in Flogo App Build CLI, the default Dockerfile base image may not support GLIBC 2.32 or higher.   |
| FLOGO-16508 | When using the InvokeRest activity, child elements of a looped array from the REST output are not displayed in the Available Data view.   |
| FLOGO-16471 | In the Flogo App Build CLI, if the User Extension path is not provided during context creation, various flogobuild commands generate error messages, which is unclear and misleading.             |
| FLOGO-16455 | When creating context in the Flogo App Build CLI, if an incorrect or non-existent path is provided for a User Extension, EMS, or IBM MQ, the CLI does not throw an error, and context is created. |

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| Key         | Summary  |
|-------------|--|
| FLOGO-16345 | The Flogo subflow display is incorrect for looped subflows; there is no way to select a specific instance to drill into, passed parameters are not visible within the subflow, and data for all instances merges in the display. |
| FLOGO-15152 | When a child mapping of an object within an array is cleared in a mapper activity, the internal model retains an empty string for that property.   |

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# Flogo Connector for EMS

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| Key       | Summary   |
|-----------|---|
| FGEMS-103 | Need support for using JNDI (Java Naming and Directory Interface) naming URLs in Flogo Connector for EMS. |

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## Flogo Connector for TIBCO eFTL

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| Key       | Summary   |
|-----------|---|
| FGTCM-266 | When multiple applications attempt to connect to the same <b>dynamic shared durable</b> using inconsistent content matchers, the system enters a high-frequency retry loop. Instead of failing the connection permanently, the eFTL client continuously attempts to re-subscribe. |

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# Flogo Connector for Kafka

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| Key         | Summary   |
|-------------|---|
| FGKAFKA-198 | Removed the Loop tab from the Kafka Commit activity.  |
| FGKAFKA-237 | A compatibility gap exists between TIBCO BusinessWorks Container Edition and TIBCO Flogo when exchanging Avro-encoded Kafka messages using the TIBCO Schema Repository (AKD). |

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# Known Issues

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The following issues exist in this release of TIBCO Flogo®, TIBCO Flogo® Extension for Visual Studio Code, and Flogo Connectors.

## TIBCO Flogo

| Key         | Summary and Workaround   |
|-------------|--|
| FLOGO-17406 | <p><b>Summary:</b> For new primitive array nodes within a Split &amp; Merge wrapper, the Add Item option is initially hidden in the kebab menu.</p> <p><b>Workaround:</b> In the right-hand configuration pane, click Select under Configure with items. Manually add the first item.</p>            |
| FLOGO-17405 | <p><b>Summary:</b> When you add a new node to a Split &amp; Merge wrapper on a primitive array, the new node displays an incorrect or generic icon.</p> <p><b>Workaround:</b> Switch tabs and then return to the input tab to update the icon to the correct type-specific primitive array icon.</p> |
| FLOGO-17395 | <p><b>Summary:</b> On Linux, binary does not build using Local runtime if Go is installed from Install Prerequisites for Flogo Connectors.</p> <p><b>Workaround:</b> Before building binary using Local runtime on Linux, install or update Go manually.</p>   |
| FLOGO-17385 | <p><b>Summary:</b> If the flow execution starts directly in error handler, then the execution state is not rendered in flow execution instance.</p> <p><b>Workaround:</b> None.</p>  |
| FLOGO-17345 | <p><b>Summary:</b> Execution path is not highlighted in nested subflow execution in play mode intermittently.</p> <p><b>Workaround:</b> Review the logs and the test result file for all activity links</p>  |

| Key         | Summary and Workaround   |
|-------------|--|
|             | and execution paths.   |
| FLOGO-17066 | <p><b>Summary:</b> When changing an activity type in Flogo Design Assistant - Tech Preview, the activity name in the UI is not updated.</p> <p><b>Workaround:</b> None.</p>  |
| FLOGO-17065 | <p><b>Summary:</b> App does not activate if the Tibco Activation service URL does not have a fingerprint ID.</p> <p><b>Workaround:</b> Fingerprint ID should be appended with the Tibco Activation service URL when using TAS for activation.</p>  |
| FLOGO-17051 | <p><b>Summary:</b> When duplicating inputs from a dereferenced \$ref schema, only root properties are copied, not all inner properties.</p> <p><b>Workaround:</b> None.</p>  |
| FLOGO-16960 | <p><b>Summary:</b> When the app is running, no warning message is displayed if connectivity to Tibco Activation Server is broken.</p> <p><b>Workaround:</b> None.</p>  |
| FLOGO-16785 | <p><b>Summary:</b> Duplicating an Array item, using <b>Add Items</b>, which has an active Conditional block, causes the UI to freeze temporarily, and the duplicate node might not appear.</p> <p><b>Workaround:</b> Navigate away from the activity, then reopen the original activity to resolve the frozen UI.</p>  |
| FLOGO-16784 | <p><b>Summary:</b> When duplicating a Conditional block set on an Array block, variables defined inside the Array are not assigned unique names in the duplicate block.</p> <p><b>Workaround:</b> Manually rename the variable in the duplicated Array block. Switch tabs to refresh the <b>Available Data</b> view, then update the variable name in the mapping.</p> |
| FLOGO-16750 | <p><b>Summary:</b> Validation errors occur in <b>Mock Outputs</b> and <b>Assert on Outputs</b> due to mismatches between the schema and data for arrays.</p>   |

| Key         | Summary and Workaround   |
|-------------|--|
|             | <b>Workaround:</b> None.   |
| FLOGO-16721 | <b>Summary:</b> When a schema contains multiple <code>\$ref</code> errors in Visual Studio Code, only the first error appears in the error message panel. The system does not highlight or log subsequent <code>\$ref</code> errors, making it difficult to debug.<br><b>Workaround:</b> None. |
| FLOGO-16597 | <b>Summary:</b> Internal variables without assigned values do not save in the app JSON and are only visible in the UI.<br><b>Workaround:</b> None.   |
| FLOGO-16521 | <b>Summary:</b> Newly added properties in the <b>Error</b> object generate a validation error in unit tests.<br><b>Workaround:</b> None.   |
| FLOGO-16516 | <b>Summary:</b> Mappings are not getting auto updated in an error object if the activity name is changed.<br><b>Workaround:</b> After changing the activity name, update the mappings in the error object manually.  |
| FLOGO-16417 | <b>Summary:</b> Inactive Flogo App Execution tabs are not closed when the app is restarted.<br><b>Workaround:</b> None. Close the Flogo App Execution tabs manually.   |
| FLOGO-16325 | <b>Summary:</b> Code and activityType are missing in error object for ENGINE-ERROR.<br><b>Workaround:</b> None   |
| FLOGO-16216 | <b>Summary:</b> Flogo App Executions do not get deleted when the app is removed from the workspace, resulting in the accumulation of executions on the disk.<br><b>Workaround:</b> Delete Flogo app executions from the local temp directory   |

| Key         | Summary and Workaround  |
|-------------|---|
|             | under the <code>vscode-debug</code> folder to clear them from Visual Studio Code.   |
| FLOGO-16172 | <p><b>Summary:</b> A design-time validation error occurs when mapping an array variable of a primitive type to input fields, although the application functions correctly at runtime.</p> <p><b>Workaround:</b> Use the <code>coerce.toArray()</code> function on the source variable instead of direct mapping (for example, <code>coerce.toArray(\$variable [varStrArr])</code>).</p> |
| FLOGO-16132 | <p><b>Summary:</b> When adding variables within an array whose items are configured using the <b>Add Item</b> option, the activity incorrectly places these variables inside the first array item. This limits the scope of these variables and prevents proper usage across all items.</p> <p><b>Workaround:</b> None.</p>   |
| FLOGO-16127 | <p><b>Summary:</b> Variable name validation is not implemented. The use of special characters, such as #, @, -, \$, and so on, generates an error when the variable name is referenced in <b>Input</b> activity.</p> <p><b>Workaround:</b> None.</p>  |
| FLOGO-16124 | <p><b>Summary:</b> A runtime error occurs when utilizing internal variables in triggers.</p> <p><b>Workaround:</b> None. Avoid internal variables in triggers.</p>  |
| FLOGO-16108 | <p><b>Summary:</b> The activity fails to provide design-time validation for type mismatches when assigning incompatible values to Object and Array internal variables.</p> <p><b>Workaround:</b> None.</p>  |
| FLOGO-16105 | <p><b>Summary:</b> When mapped from upstream data, connection lines are not visible for Object or Array variables.</p> <p><b>Workaround:</b> None.</p>  |
| FLOGO-16089 | <p><b>Summary:</b> On macOS, the MySQL Connector driver option is missing in the</p>  |

| Key         | Summary and Workaround   |
|-------------|--|
|             | <p data-bbox="444 294 1404 365">"Install Prerequisites for Flogo Connectors" section, preventing users from installing the necessary driver required for MySQL databases.</p> <p data-bbox="444 394 695 424"><b>Workaround:</b> None</p>   |
| FLOGO-16070 | <p data-bbox="444 470 1372 583"><b>Summary:</b> When importing connections, if a connection has the same name but a different type, it overrides the existing connection instead of creating a new one.</p> <p data-bbox="444 613 1398 684"><b>Workaround:</b> Use unique connection names or ensure that the connection type is the same before importing.</p>                          |
| FLOGO-15908 | <p data-bbox="444 730 1414 844"><b>Summary:</b> When the parent array is created using the <b>Add Item</b> option and the nested array is configured with the <b>Iterate from Source</b> option, Flogo Mapper fails to expose the loop variable.</p> <p data-bbox="444 873 701 903"><b>Workaround:</b> None.</p>   |
| FLOGO-15898 | <p data-bbox="444 949 1414 1062"><b>Summary:</b> When setting Environment Variables through the <b>Configure and Run Action</b> option, the values appear with escaped quotes at the beginning and end.</p> <p data-bbox="444 1092 1414 1163"><b>Workaround:</b> Set the Environment Variables directly in the terminal instead of using the <b>Configure and Run Action</b> option.</p> |
| FLOGO-15872 | <p data-bbox="444 1209 1414 1281"><b>Summary:</b> The toggle button remains ON when there are no connections in the existing app during the import process.</p> <p data-bbox="444 1310 701 1339"><b>Workaround:</b> None.</p>  |
| FLOGO-15781 | <p data-bbox="444 1386 1398 1457"><b>Summary:</b> When you paste an activity with an attached app spec, the app spec is not copied even if the <b>Spec Binding</b> toggle is enabled.</p> <p data-bbox="444 1486 701 1516"><b>Workaround:</b> None.</p>  |
| FLOGO-15773 | <p data-bbox="444 1562 1414 1633"><b>Summary:</b> The <b>Timeout</b> field in Wait for Notification activity does not show the default value immediately after the activity is added to the flow.</p> <p data-bbox="444 1663 1036 1692"><b>Workaround:</b> Refresh to see the default value.</p>   |

| Key         | Summary and Workaround  |
|-------------|---|
| FLOGO-15771 | <p><b>Summary:</b> An activity with an app schema attached is copied when the <b>Spec Binding</b> toggle is enabled, but the schema is not present in the <b>App Schemas</b> tab. For app property, even when this toggle is enabled, the properties are not getting created in the <b>App Properties</b> tab.</p> <p><b>Workaround:</b> None.</p>  |
| FLOGO-15753 | <p><b>Summary:</b> Design-time errors do not display when there are spaces in the connection name, leading to connection failures when scaling apps.</p> <p><b>Workaround:</b> Use underscores instead of spaces.</p>   |
| FLOGO-15704 | <p><b>Summary:</b> Schema parameters with type or value null or undefined error is observed when the API spec has an object having a property with type in array. This error is not resolved even after changing the type in the API spec and configuring the trigger again.</p> <p><b>Workaround:</b> Edit the app.flogo file and clear the fe_metadata property on the flow, and then synchronize the Rest trigger.</p> |
| FLOGO-15585 | <p><b>Summary:</b> Mocking a subflow in unit test play mode does not allow users to navigate into the called flow, which remains unexecuted.</p> <p><b>Workaround:</b> None</p>   |
| FLOGO-15535 | <p><b>Summary:</b> The fe_metadata section in the .flogotest JSON file does not revalidate against the updated schema, as the removed property still exists at the parent level.</p> <p><b>Workaround:</b> Manually delete the removed property from the .flogotest JSON file.</p>  |
| FLOGO-15534 | <p><b>Summary:</b> Changes made to the schema do not auto-reflect in the .flogo app JSON output fields of activity.</p> <p><b>Workaround:</b> After updating the app schema, open the flow and edit the activities.</p>   |
| FLOGO-15518 | <p><b>Summary:</b> If you do not select the primary checkbox of the schema, it does not show up in the preview. However, it is visible in the app after import.</p>   |

| Key         | Summary and Workaround  |
|-------------|---|
|             | <b>Workaround:</b> None   |
| FLOGO-15502 | <p><b>Summary:</b> Modifying the Flogo app does not stop the execution of the play feature in Unit Test mode.</p> <p><b>Workaround:</b> Manually stop the test case execution in play mode.</p>   |
| FLOGO-15498 | <p><b>Summary:</b> Any renamed trigger is not displayed on the flow list page after importing the app.</p> <p><b>Workaround:</b> Open the flow and then navigate to the flow list page to see the renamed trigger.</p>  |
| FLOGO-15467 | <p><b>Summary:</b> When attempting to set an application name that starts with digits or consists solely of digits, an error occurs.</p> <p><b>Workaround:</b> Start the app name with letters followed by numbers.</p>   |
| FLOGO-15310 | <p><b>Summary:</b> You cannot create a new connection during import, and the changes in the connection of an imported app are not reflected.</p> <p><b>Workaround:</b> Update the existing connection with the required changes that you want to import, or create a new connection and select the activities and triggers.</p> |
| FLOGO-15307 | <p><b>Summary:</b> The default blank flow remains in the app when flows are implemented using a Spec.</p> <p><b>Workaround:</b> After implementing flows from a Spec, delete the default flow if it is not required.</p>  |
| FLOGO-15049 | <p><b>Summary:</b> The error icon remains present on the input tab after saving changes related to the Salesforce activity conditions.</p> <p><b>Workaround:</b> Validate the activity to remove the error icon.</p>  |
| FLOGO-14954 | <p><b>Summary:</b> When you use the <b>ProtobufToJSON</b> activity, the following error message is displayed: Unable to get message descriptor from registry.</p>   |

| Key         | Summary and Workaround   |
|-------------|--|
|             | <b>Workaround:</b> None.   |
| FLOGO-14947 | <p><b>Summary:</b> When an attached spec in a trigger or activity is deleted from the <b>SPECS</b> tab, no error is displayed.</p> <p><b>Workaround:</b> None. Update the trigger or activity settings manually to use another spec.</p>   |
| FLOGO-14882 | <p><b>Summary:</b> Changes are not reflected in the <b>InvokeRestService</b> activity configuration when the attached app spec is updated.</p> <p><b>Workaround:</b> Reset the <b>Use app level spec</b> toggle and re-select the same spec. The changes are updated in the activity configuration.</p>  |
| FLOGO-14773 | <p><b>Summary:</b> On the <b>Import specs</b> dialog, specs from the TIBCO Developer Hub display version 0.0.0.</p> <p><b>Workaround:</b> None. Once a spec is imported, it shows the OpenAPI version of the spec.</p>   |
| FLOGO-14699 | <p><b>Summary:</b> On adding <b>ReplyToTrigger</b> activity in the error handler flow for the first time, the mappings of <b>REST</b> trigger are not reflected.</p> <p><b>Workaround:</b> Delete the <b>ReplyToTrigger</b> activity and add it again.</p>   |
| FLOGO-14683 | <p><b>Summary:</b> Mapping, where an app property is already mapped, is not updated if the app property is moved from the root level to a group or from a group to the root level.</p> <p><b>Workaround:</b> Update the app property mapping manually.</p>   |
| FLOGO-14602 | <p><b>Summary:</b> Existing Oracle Database connection must be reconnected to server with upgrade of TIBCO Flogo® Extension for Visual Studio Code from version 1.1.1 to 1.2.0, otherwise app fails at runtime.</p> <p><b>Workaround:</b> After upgrading TIBCO Flogo® Extension for Visual Studio Code, re-establish the Oracle Database connection and then Build and Run the application.</p> |
| FLOGO-14340 | <p><b>Summary:</b> On collapsing and then re-expanding the activity or trigger</p>   |

| Key         | Summary and Workaround   |
|-------------|--|
|             | <p>configuration, the number of mappings is removed from the right-most configuration panel. The data mappings remain the same.</p> <p><b>Workaround:</b> Close and reopen the activity or trigger configuration.</p>  |
| FLOGO-13705 | <p><b>Summary:</b> You cannot select oneOf for anyOf schema in the Start a Subflow activity.</p> <p><b>Workaround:</b> Use schemas with oneOf or anyOf keywords in the main flow.</p>  |
| FLOGO-13404 | <p><b>Summary:</b> Selected <b>oneof</b> schema property is not present in the Trigger <b>Output</b> of the <b>Rest trigger</b> and activities <b>Input</b> after import if the app schema is used.</p> <p><b>Workaround:</b> Enter the schema directly instead of attaching the app schema when using a schema having a <b>OneOf</b> keyword in the <b>Input</b> settings.</p>        |
| FLOGO-13300 | <p><b>Summary:</b> In TIBCO Flogo® Extension for Visual Studio Code, when you try to connect to an Oracle Database using the <b>Install Prerequisite</b> option, the test connection fails with the message "libsora.so.21.1 file not found" on Ubuntu 24.</p> <p><b>Workaround:</b> Remove unused or unnecessary Oracle drivers and use the pre-install script to reinstall them.</p> |
| FLOGO-13284 | <p><b>Summary:</b> If test cases are exported from TIBCO Cloud Integration and run without test suites, the test run fails.</p> <p><b>Workaround:</b> Create a test suite, add the test cases to the test suite, and then run the test.</p>  |
| FLOGO-13093 | <p><b>Summary:</b> After discarding changes in the activity configuration, the <b>Open Subflow</b> icon is still present in the activity tile.</p> <p><b>Workaround:</b> Navigate out of and then back into the same flow.</p>   |
| FLOGO-13082 | <p><b>Summary:</b> In the activity configuration, when you click the <b>Open Subflow</b> icon, the UI is disabled.</p>   |

| Key         | Summary and Workaround  |
|-------------|---|
|             | <b>Workaround:</b> Save the changes and then click the <b>Open Subflow</b> icon.  |
| FLOGO-13066 | <b>Summary:</b> Getting error as Unexpected error while fetching task results in flow tester when you click <b>Start a subflow</b> activity.<br><b>Workaround:</b> None.  |
| FLOGO-13013 | <b>Summary:</b> On selecting the <b>oneOf</b> schema for the enum data is not getting cleared.<br><b>Workaround:</b> Clear the enum datatype before selecting the other <b>oneOf</b> schema.  |
| FLOGO-12447 | <b>Summary:</b> Activities are run but not highlighted in a flow that includes a subflow with detached invocation set to True.<br><b>Workaround:</b> None.  |
| FLOGO-12345 | <b>Summary:</b> The <b>JSON.SET</b> mapper function generates an error for a null value.<br><b>Workaround:</b> None.  |
| FLOGO-12340 | <b>Summary:</b> After saving mapping changes in any tab of an activity configuration window, you cannot switch to another tab without saving even if no new changes are made.<br><b>Workaround:</b> Save the changes again.   |
| FLOGO-11904 | <b>Summary:</b> After a request is complete for an HTTP trigger app with proxy mode, an error is displayed in the logs.<br><b>Workaround:</b> You can ignore the error as the flow execution is complete. You can also change the processing mode to Data and then back to proxy to remove the error. |
| FLOGO-11902 | <b>Summary:</b> The Testing Sandbox environment for Unit Testing fails to start in certain scenarios. Due to this the Unit tests for the Flogo app fails to execute.<br><b>Workaround:</b> Restart the test again after sometime.   |

| Key         | Summary and Workaround  |
|-------------|---|
| FLOGO-11650 | <p><b>Summary:</b> When dealing with an OSS activity in your Flogo app, you can update the trigger configurations with the <b>Coerce with Schema</b> option. However, when you pick a configured schema, and discard it to close the triggered configuration screen, the UI gets stuck.</p> <p><b>Workaround:</b> You need to refresh the page or click the apps tab to start again.</p>  |
| FLOGO-11262 | <p><b>Summary:</b> If we try to open the mapper activity, which has an array with large records mapped with an array type, then the browser becomes unresponsive and validation goes into an Infinite loop.</p> <p><b>Workaround:</b> Instead of using an array with large records directly into the Mapper activity input, map it with the output of some other activity.</p>  |
| FLOGO-11239 | <p><b>Summary:</b> Let us say there is a Flogo app with a large number of flows and activities. Enable the execution history and then, on completion of the execution, go back to the Execution History page. After this, open an execution instance and when we click <b>View Details</b>, we do not see the list of activities that have been executed. Instead, we see a message that says that the Execution History is not enabled for the organization.</p> <p><b>Workaround:</b> None.</p> |
| FLOGO-11122 | <p><b>Summary:</b> If you are a Read-Only User, the <b>Navigate to subflow</b> icon is not visible on <b>StartaSubflow</b> activity tile.</p> <p><b>Workaround:</b> None.</p>   |
| FLOGO-11119 | <p><b>Summary:</b> For Read-Only User and User roles, <b>Open Subflow</b> is not present inside the <b>StartaSubflow</b> activity.</p> <p><b>Workaround:</b> Click the <b>Input</b> or <b>Output</b> tab and click the <b>Settings</b> tab. The <b>Navigate to subflow</b> becomes visible.</p>   |
| FLOGO-11100 | <p><b>Summary:</b> References are not updated for the General category activities and triggers for the existing apps, which are exported after the upgrade from PAPI.</p> <p><b>Workaround:</b> None</p>  |
| FLOGO-11072 | <p><b>Summary:</b> When mapping unmapped arrays, the <b>Filter by</b> value gets</p>  |

| Key         | Summary and Workaround   |
|-------------|--|
|             | <p>populated in the <b>Configure with Value</b> input mapper after clearing the source mapping and switching to <b>Configure with Value</b> option.</p> <p><b>Workaround:</b> Select a different non-array node and select the array node again.</p>       |
| FLOGO-10958 | <p><b>Summary:</b> The enum value dropdown is unavailable for the array child elements.</p> <p><b>Workaround:</b> None.</p>  |
| FLOGO-10888 | <p><b>Summary:</b> Unpushed apps are not copied from tibcli.</p> <p><b>Workaround:</b> None.</p>   |
| FLOGO-10886 | <p><b>Summary:</b> During mapping of arrays, on double-clicking the source array, the mapping is added in the <b>Filter by</b> field.</p> <p><b>Workaround:</b> Instead of double-clicking the source node, drag the source node to update the source.</p> |
| FLOGO-10839 | <p><b>Summary:</b> During mapping of arrays, we are not able to select the <b>Configure with source</b> option after clearing the mappings.</p> <p><b>Workaround:</b> Close the activity panel. Then, open it again and try to map the node.</p>           |
| FLOGO-10837 | <p><b>Summary:</b> Activities are not aligned linearly when the app is pushed from PAPI or tibcli.</p> <p><b>Workaround:</b> None.</p>   |
| FLOGO-10834 | <p><b>Summary:</b> References are not auto-updated if a group name is updated in the application properties.</p> <p><b>Workaround:</b> References need to be manually updated after renaming any group of app properties.</p>                              |
| FLOGO-10802 | <p><b>Summary:</b> The field with space is not working in the filter expression of the for-each function.</p> <p><b>Workaround:</b> You must insert an additional identifier ["&lt;loopName&gt;"] in the \$loop expression.<br/>For example:</p>           |

| Key         | Summary and Workaround  |
|-------------|---|
| FLOGO-10732 | <pre>array.forEach(\$activity[Mapper].output.data, "data", \$loop{color:#de350b}["data"]{color}["First Name"]=="Jones")</pre>   |
| FLOGO-10707 | <p><b>Summary:</b> When trying to execute the branch merging process, <b>Run test from this activity</b> in flow tester does not work. The flow gets blocked due to this.</p> <p><b>Workaround:</b> None</p>  |
| FLOGO-10628 | <p><b>Summary:</b> When we modify the API specifications, the Refresh icon must pop-up after opening the Trigger Setting. However, there is some delay for the Refresh icon to be visible.</p> <p><b>Workaround:</b> None.</p>  |
| FLOGO-10620 | <p><b>Summary:</b> The branching mapping window closes directly after clicking the <b>Save</b>. There is no close option.</p> <p><b>Workaround:</b> None.</p>   |
| FLOGO-10582 | <p><b>Summary:</b> SF Delete activity with loop does not open upon clicking in the flow tester run.</p> <p><b>Workaround:</b> None.</p>   |
| FLOGO-10576 | <p><b>Summary:</b> The <b>Refresh</b> icon vanishes while performing certain actions. It happens when we discard the changes, close the pop-up on the list flow page and trigger configuration in the flow details page.</p> <p><b>Workaround:</b> Refresh the page either by reloading or navigating from flow list to flow details.</p> |
| FLOGO-10572 | <p><b>Summary:</b> If an API specification has some cyclic redundancy, a proper error is not displayed.</p>   |

| Key         | Summary and Workaround  |
|-------------|---|
|             | <b>Workaround:</b> None.  |
| FLOGO-10565 | <p><b>Summary:</b> When we upload an API specification, which has constructs that are not supported in Flogo, like Option method and Common Parameters, a warning is not displayed.</p> <p><b>Workaround:</b> None.</p>   |
| FLOGO-10529 | <p><b>Summary:</b> When the API specification is renamed, the new name is not reflected when we click the <b>Refresh</b> icon. Instead, it shows the previously used name.</p> <p><b>Workaround:</b> Manually export the API specification from the TIBCO Cloud™ Integration - API Modeler and re-import it in the Trigger Setting.</p> |
| FLOGO-10523 | <p><b>Summary:</b> If we make a copy of an app created in TCAM, then we are not able to see its entry in the TIBCO Cloud™ Integration - API Modeler create Flogo app section.</p> <p><b>Workaround:</b> None.</p>   |
| FLOGO-10499 | <p><b>Summary:</b> When we create apps using the TIBCO Cloud™ Integration - API Modeler platform or the API specification, it displays the error - “xml has type or value wrong”.</p> <p><b>Workaround:</b> None.</p>   |
| FLOGO-10456 | <p><b>Summary:</b> If an activity is added and not connected to any branch or activity, and later exported and imported back, then this added activity is not seen.</p> <p><b>Workaround:</b> None.</p>   |
| FLOGO-10356 | <p><b>Summary:</b> The <b>Close</b> icon disappears when there are many activities open and we expand one of them.</p> <p><b>Workaround:</b> Zoom out the panel to find the <b>Close</b> icon.</p>  |
| FLOGO-10300 | <p><b>Summary:</b> When there is a large flow and you want to connect many activities together, then drawing the connection lines must auto scroll the page.</p> <p><b>Workaround:</b> Zoom out the flow canvas by clicking the zoom in and out button and then connect the activities.</p>   |

| Key         | Summary and Workaround   |
|-------------|--|
| FLOGO-10047 | <p><b>Summary:</b> If the mappings are not correct in the Unit Testing mock feature for an Activity, the Activity is not mocked, and does not fail at run time.</p> <p><b>Workaround:</b> Correct the mappings in the Mock data.</p>   |
| FLOGO-9905  | <p><b>Summary:</b> When we search for any property, we see the appropriate list of properties as per its name, along with the ones that have no value.</p> <p><b>Workaround:</b> None.</p>   |
| FLOGO-9586  | <p><b>Summary:</b> On importing a <code>.flogotest</code> file with matching unit test data, a copy of existing test cases and test suites is created with new names.</p> <p><b>Workaround:</b> Delete the newly added copy of test cases and test suites manually.</p>  |
| FLOGO-9583  | <p><b>Summary:</b> In an activity configuration, when mappings are cleared in the input mapper using "Clear Mappings", the mappings are cleared but the items are still visible. If you close the Activity configuration and return to the input mapper, the items are no longer visible.</p> <p><b>Workaround:</b> None</p> |
| FLOGO-9556  | <p><b>Summary:</b> When using the <b>Flow Tester</b>, if a null value is passed in the schema at the object level, a validation error is returned and the test does not run.</p> <p><b>Workaround:</b> None</p>  |
| FLOGO-9394  | <p><b>Summary:</b> After clearing a mapping and adding an item, the item is not added the first time.</p> <p><b>Workaround:</b> Click <b>Add item</b> multiple times.</p>  |
| FLOGO-9373  | <p><b>Summary:</b> Unit test execution fails if a Flogo app is using a user supplement.</p> <p><b>Workaround:</b> None.</p>  |
| FLOGO-9370  | <p><b>Summary:</b> A Mapper Activity returns an empty array as output, on mapping</p>  |

| Key        | Summary and Workaround   |
|------------|--|
|            | <p>multiple items and providing a single array element as input.</p> <p><b>Workaround:</b> None</p>  |
| FLOGO-9159 | <p><b>Summary:</b> If a REST trigger has an app schema and it is attached to the Request or Response schema and later reconfigured using API spec, a “Bad gateway” error is observed.</p> <p><b>Workaround:</b> Detach the app schema from the Request or Response schema before configuring the trigger using API spec.</p> |
| FLOGO-9142 | <p><b>Summary:</b> If an Activity is executed in a loop, on the Execution History tab, the <b>Completed</b> count is more than the <b>Started</b> count.</p> <p><b>Workaround:</b> None</p>  |
| FLOGO-8988 | <p><b>Summary:</b> Error propagated from the trigger does not trigger the error handler flow.</p> <p><b>Workaround:</b> None</p>   |
| FLOGO-8933 | <p><b>Summary:</b> If you rename a connection and then select the <b>Create new connection</b> option while importing an app, connection names are not created correctly.</p> <p><b>Workaround:</b> None</p>   |
| FLOGO-8848 | <p><b>Summary:</b> For a Kafka app with AVRO schema, a validation error symbol is displayed in the consumer trigger.</p> <p><b>Workaround:</b> None</p>  |
| FLOGO-8778 | <p><b>Summary:</b> Importing an app in an environment where the Execute JavaScript Activity does not exist, an error indicating that the Activity is missing in the error Handler flow is returned.</p> <p><b>Workaround:</b> None.</p>  |
| FLOG-8740  | <p><b>Summary:</b> In the cron expression builder, the <b>Save</b> and <b>Discard</b> buttons are disabled when you try to change an existing cron expression to default</p>   |

| Key        | Summary and Workaround   |
|------------|--|
|            | <p>by using one of the following methods:</p> <ul style="list-style-type: none"> <li>• Switching to cron builder and accepting the pop-up</li> <li>• Switching from timer to cron</li> </ul> <p><b>Workaround:</b> Click a cron expression field and then click outside the cron expression builder. The <b>Save</b> and <b>Discard</b> buttons are enabled.</p>   |
| FLOGO-8535 | <p><b>Summary:</b> When the <b>Coerce with schema</b> option is used, data of type ANY is not converted to OBJECT type on save or sync.</p> <p><b>Workaround:</b> Switch between the tabs, and the data is converted.</p>  |
| FLOGO-8476 | <p><b>Summary:</b> If a mapping variable has a “-” in the name, the flow fails to run at runtime.</p> <p><b>Workaround:</b> None</p>   |
| FLOGO-8413 | <p><b>Summary:</b> After adding multiple If/Else conditions in a mapper, the new conditions are not visible on the UI immediately and there is a minor delay before they are available for viewing.</p> <p><b>Workaround:</b> None</p>   |
| FLOGO-8479 | <p><b>Summary:</b> If you rerun an Activity using <b>Rerun flow from this Activity</b> on the <b>Executions</b> page, the <b>Completed count</b> displayed on the <b>Metrics</b> page &gt; <b>Flow</b> tab &gt; <b>Activity Execution (count)</b> does not include the rerun of the Activity from which the rerun is performed.</p> <p><b>Workaround:</b> None</p> |
| FLOGO-8432 | <p><b>Summary:</b> Mapping child elements using <code>\$loop</code> in an <code>array.forEach</code> function results in a mapper validation error. No error is reported during runtime.</p> <p><b>Workaround:</b> None</p>  |
| FLOGO-8350 | <p><b>Summary:</b> When a gRPC Activity is used in an app and the app is started, the following warning is displayed:</p>  |

| Key        | Summary and Workaround  |
|------------|---|
| FLOGO-8349 | <pre>WARNING: Package "github.com/golang/protobuf/protoc-gen-go/generator" is deprecated.WARNING: Package "github.com/golang/protobuf/protoc-gen-go/generator" is deprecated. A future release of golang/protobuf deletes this package, which has long been excluded from the compatibility promise.</pre> <p><b>Workaround:</b> Ignore the warning.</p>              |
| FLOGO-8300 | <p><b>Summary:</b> If an activity has an empty or incorrect input, a validation error is indicated by a red error icon. Even when the erroneous condition is removed, the error icon continues to be displayed.</p> <p><b>Workaround:</b> Click <b>Validate</b>.</p>  |
| FLOGO-8287 | <p><b>Summary:</b> When a condition is added to the data mapper, the mapper does not automatically open the input mapping field.</p> <p><b>Workaround:</b> Scroll down to view the newly added condition and then manually open the input field.</p>  |
| FLOGO-8258 | <p><b>Summary:</b> If a root or parent array is not mapped, the <b>Add condition</b> menu is wrongly displayed in the mappings of the array children, and the mapper stops responding.</p> <p><b>Workaround:</b> Close and reopen the Activity configuration. Map the root or parent array.</p>   |
| FLOGO-7927 | <p><b>Summary:</b> The Protobuf2JSON activity shows a design-time error when you refresh the browser. No error is reported during runtime.</p> <p><b>Workaround:</b> Click <b>Validate</b>.</p>   |
| FLOGO-7927 | <p><b>Summary:</b> When you specify a filter as the third argument in the <code>array.forEach()</code> function, <code>\$loop</code> is not evaluated automatically when you drag-and-drop a child element. Instead, the whole path is populated.</p> <p><b>Workaround:</b> Manually edit it and replace the parent path with the <code>\$loop</code> expression.</p> |

| Key        | Summary and Workaround   |
|------------|--|
| FLOGO-7868 | <p><b>Summary:</b> [Microsoft Azure] When building an app binary, messages of the build process are not shown on the UI immediately. They are shown only after the build process is completed.</p> <p><b>Workaround:</b> None</p>  |
| FLOGO-7665 | <p><b>Summary:</b> Instrumentation metrics data is not available for an app and tibagent deployed on AWS Fargate.</p> <p><b>Workaround:</b> None</p>   |
| FLOGO-7657 | <p><b>Summary:</b> When adding a description for an app, the "This field is required" message is displayed and the cursor moves in front of the message when you start typing the description. The message does not go away until you go inside the flow. <b>Back</b> is also disabled.</p> <p><b>Workaround:</b> None</p> |
| FLOGO-7436 | <p><b>Summary:</b> Runtime validation is not enabled for <b>Required Form Params</b>.</p> <p><b>Workaround:</b> None</p>   |
| FLOGO-7421 | <p><b>Summary:</b> Runtime validation error is observed for filecontent type data when <b>Output Validation</b> is set to true in the REST trigger.</p> <p><b>Workaround:</b> Do not enable <b>Output Validation</b> when the <b>Request type</b> is multipart/form-data in the REST trigger.</p>                          |
| FLOGO-7269 | <p><b>Summary:</b> On the flow list page, a "missing extension" validation error is shown for each flow even after installing the missing extension.</p> <p><b>Workaround:</b> Validate each flow to remove the validation error for that flow.</p>  |
| FLOGO-6951 | <p><b>Summary:</b> Password type app properties do not support encrypted values during design time.</p> <p><b>Workaround:</b> None</p>   |
| FLOGO-6933 | <p><b>Summary:</b> When the InvokeRestService Activity is configured with Open API</p>   |

| Key        | Summary and Workaround   |
|------------|--|
|            | <p>spec, the response headers are converted to JSON Data instead of JSON Schema in the InvokeRest Output settings.</p> <p><b>Workaround:</b> None.</p>   |
| FLOGO-6904 | <p><b>Summary:</b> When the InvokeRESTService Activity is used with the <b>HTTP Client Authorization Configuration</b> connection and <b>OAuth2 Authorization type</b>, it fails to auto-refresh the token if the expired or invalid token response does not have the status code as 401.</p> <p><b>Workaround:</b> Use another InvokeRESTService Activity to get the new token and use the new token in the InvokeRESTService Activity.</p> |
| FLOGO-6847 | <p><b>Summary:</b> If a database connector activity has a design time error, the message incorrectly disappears after clicking the <b>Clear Table</b> link.</p> <p><b>Workaround:</b> None</p>   |
| FLOGO-6718 | <p><b>Summary:</b> The order of elements in an object in a JSON file is not maintained when the file is processed.</p> <p><b>Workaround:</b> None.</p>   |
| FLOGO-6586 | <p><b>Summary:</b> The value of the BIGINT data type is converted to an incorrect value.</p> <p><b>Workaround:</b> If possible, use a STRING data type instead.</p>  |
| FLOGO-6552 | <p><b>Summary:</b> The resource path of a previous specification is shown in the <b>Resource path</b> list even after deleting the specification file and uploading a new specification file.</p> <p><b>Workaround:</b> Select the resource path from the <b>Resource path</b> list even if it shows paths of previous specifications. Even though the specification displayed is incorrect, the new path is loaded.</p>                     |
| FLOGO-6542 | <p><b>Summary:</b> If you upload an OpenAPI Specification (OAS) file in the InvokeREST Activity and later upload an updated version of the same OAS, the changes to the schema are not reflected in the associated parameters and request/response schemas.</p>  |

| Key        | Summary and Workaround  |
|------------|---|
|            | <b>Workaround:</b> Delete the original specification and upload the new OAS again.  |
| FLOGO-5802 | <b>Summary:</b> When you close and reopen an application, input mappings containing errors, such as missing index values, convert to string values. This prevents validation from identifying the incorrect mapping.<br><b>Workaround:</b> Manually remove the double quotes. |
| FLOGO-5400 | <b>Summary:</b> While running an app in a flow tester, if you provide a JSON schema with a nested array, it returns an error at design time.<br><b>Workaround:</b> None   |
| FLOGO-5267 | <b>Summary:</b> The <b>ConfigureHTTPResponse</b> Activity is not updated correctly when reply settings are changed.<br><b>Workaround:</b> Trigger a save operation by re-doing or undoing some of the mapper mappings on the <b>ConfigureHTTPResponse</b> Activity.           |
| FLOGO-4936 | <b>Summary:</b> Boolean data type and null data type are not supported in TIBCO Cloud Messaging.<br><b>Workaround:</b> None   |
| FLOGO-4717 | <b>Summary:</b> When a Swagger specification file of size 2.5 MB or more is used for creating an app or uploaded using the REST trigger configuration, the app is not deployed to TIBCO Cloud.<br><b>Workaround:</b> Use a Swagger specification file of a smaller size.      |
| FLOGO-4716 | <b>Summary:</b> If required elements of a request schema are not provided, the runtime provides a response but the tester returns a validation error.<br><b>Workaround:</b> None  |
| FLOGO-4661 | <b>Summary:</b> Single quotes are not supported in mapper variables.<br><b>Workaround:</b> None   |

| Key        | Summary and Workaround   |
|------------|--|
| FLOGO-4659 | <p><b>Summary:</b> If you use a field name that contains special characters, the <code>array.foreach</code> mapping fails with the following error:</p> <pre>eval expression failed to resolve Loop: 'field name', ensure that Loop is configured in the application</pre> <p><b>Workaround:</b> Add a scope name before the field name. For example, manually change <code>\$loop["fieldName"]</code> to <code>\$loop["ScopeName"]</code> <code>["fieldName"]</code>.</p> |
| FLOGO-4653 | <p><b>Summary:</b> An unsupported data type in the request or response schema is not converted to a supported one.</p> <p><b>Workaround:</b> In the API Spec, change the type to the supported data type. For example, change <code>Float</code> and <code>long</code> data type to <code>Integer</code>.</p>  |
| FLOGO-4628 | <p><b>Summary:</b> If a Swagger specification file is modified and the file is saved with a different name, the changes are not reflected in the app even if you click <b>Sync Schema</b>.</p> <p><b>Workaround:</b> None</p>  |
| FLOGO-4387 | <p><b>Summary:</b> An Activity generates a mapper error if the mapped object does not exist, as the <code>FLOGO_MAPPING_SKIP_MISSING</code> environment variable cannot be set in the flow tester.</p> <p><b>Workaround:</b> None</p>  |
| FLOGO-4363 | <p><b>Summary:</b> When an app with different trigger and handler settings is imported, trigger and handler settings are not replaced after selective import.</p> <p><b>Workaround:</b> None</p>   |
| FLOGO-4188 | <p><b>Summary:</b> For OpenTracing, even after terminating an app, recurring warnings are displayed in JaegerUI.</p> <p><b>Workaround:</b> None</p>  |

| Key        | Summary and Workaround   |
|------------|--|
| FLOGO-4164 | <p><b>Summary:</b> While starting a gRPC app binary that has a gRPC activity using the same proto file, the following error message is displayed:</p> <pre>Duplicate enum registered</pre> <p><b>Workaround:</b> Change the package name to a different one to make sure gRPC activity use the different package name in the proto file.</p>                                     |
| FLOGO-4127 | <p><b>Summary:</b> App properties of type INTEGER are not supported.</p> <p><b>Workaround:</b> None</p>  |
| FLOGO-3906 | <p><b>Summary:</b> After mapping array root nodes, when a child node mapping is updated, only a mapped child node is returned at run time.</p> <p><b>Workaround:</b> None</p>  |
| FLOGO-3393 | <p><b>Summary:</b> If a Kafka producer produces a JSON string, the Kafka consumer does not receive any data.</p> <p><b>Workaround:</b> None</p>  |
| FLOGO-2888 | <p><b>Summary:</b> You cannot upload Swagger specification definitions, which have a cyclic dependency.</p> <p><b>Workaround:</b> None</p>   |
| FLOGO-2886 | <p><b>Summary:</b> Depending on your machine configuration and browser configuration, you might not be able to upload a large Swagger API definition JSON file or the browser might become unresponsive. The following error message is displayed on the <b>Network</b> tab and the file is not uploaded:</p> <pre>Request entity too large</pre> <p><b>Workaround:</b> None</p> |
| FLOGO-2861 | <p><b>Summary:</b> When uploading a custom schema for GraphQL, if the custom</p>   |

| Key        | Summary and Workaround  |
|------------|---|
|            | <p>schema has a cyclic dependency, the following error is returned and the upload fails:</p> <pre data-bbox="451 394 1412 478">Maximum call stack size exceeded for circular reference</pre> <p><b>Workaround:</b> None</p>   |
| FLOGO-1757 | <p><b>Summary:</b> JSON schema with cyclic references is not supported.</p> <p><b>Workaround:</b> Remove the cyclic references from the schema.</p>   |
| FLOGO-1684 | <p><b>Summary:</b> When accessing the UI, a "502 Bad Gateway" error is returned if the machine is configured with a static IP address.</p> <p><b>Workaround:</b> Configure the machine IP address as dynamic.</p>   |
| FLOGO-814  | <p><b>Summary:</b> In the flow error handler, <code>\$error.data</code> and <code>\$error.code</code> are not supported in the mapper.</p> <p><b>Workaround:</b> If you import an open source Project Flogo™ app, manually delete <code>\$error.data</code> and <code>\$error.code</code> from the mappings.</p>  |
| FLOGO-358  | <p><b>Summary:</b> On macOS, if you run the <code>run-studio.sh</code> installer from a directory that is not shared with the Docker container, the installation fails and the following error is displayed:</p> <pre data-bbox="451 1268 1412 1352">Mounts denied</pre> <p><b>Workaround:</b> Configure the path to the <code>run-studio.sh</code> file in <b>Docker &gt; Preferences &gt; File Sharing</b> before running the <code>run-studio.sh</code> command.</p> |
| WISNFK-219 | <p><b>Summary:</b> (macOS) An incorrect SQL query does not display any error.</p> <p><b>Workaround:</b> Insert a valid SQL query that provides the metadata.</p>  |

## Database Services

| Key        | Summary and Workaround   |
|------------|--|
| WIDBSV-451 | <p><b>Summary:</b> In a select query with a where clause, if the parameter name is the same as the column name, the return type is incorrect.</p> <p><b>Workaround:</b> None</p> |

## Flogo Connector for Oracle Database

| Key       | Summary and Workaround  |
|-----------|---|
| WIORA-153 | <p><b>Summary:</b> If the password contains a colon (:), an error occurs while connecting to the database.</p> <p><b>Workaround:</b> None</p> |

## Flogo Connector for Salesforce.com Einstein Analytics

| Key       | Summary and Workaround  |
|-----------|---|
| WISFEI-62 | <p><b>Summary:</b> If Flogo apps using Salesforce Wave activities are run for longer durations, a token refresh error is displayed.</p> <p><b>Workaround:</b> Reconfigure the Salesforce connection used in the activities and build the app again.</p> |

## Flogo Connector for Amazon Kinesis

| Key       | Summary   |
|-----------|---|
| FGAZKS-54 | <p><b>Summary:</b> <b>Tags</b> object is not supported for <code>CreateDeliveryStream</code> field of Firehose Stream type.</p> <p><b>Workaround:</b> None.</p> |

## Flogo Connector for Apache Avro

| Key       | Summary and Workaround  |
|-----------|---|
| WIAVRO-65 | <p><b>Summary:</b> For Avro activities, when app-level schemas are used, Avro schemas are not displayed in the list for selecting the schema. Instead, JSON schemas are displayed.</p> <p><b>Workaround:</b> None</p> |

## Flogo Connector for Apache Kafka

| Key         | Summary and Workaround  |
|-------------|---|
| FGKAFKA-201 | <p><b>Summary:</b> Delay observed in retry attempts on error when network is slow at client side.</p> <p><b>Workaround:</b> None.</p> |

## Flogo Connector for Apache Pulsar

| Key       | Summary and Workaround  |
|-----------|---|
| FGPUL-389 | <p><b>Summary:</b> When georeplication is set to <code>true</code>, batching does not work as expected.</p> <p><b>Workaround:</b> None.</p> |

## Flogo Connector for DocuSign

| Key       | Summary and Workaround  |
|-----------|---|
| FGDUSN-85 | <p><b>Summary:</b> When you import any TCI DocuSign existing application in Visual Studio Code and open existing connection tab to edit the connection details after entering any input in the required fields, the connection does not validate the process and it displays a <code>Login successful</code> message.</p> <p><b>Workaround:</b> Create new DocuSign connection and use it in flow to run the application.</p> |
| FGDUSN-67 | <p><b>Summary:</b> When editing existing connection with DocuSign in Visual Studio Code, the application does not load the <b>DocuSign Authentication Type</b> and <b>OAuth2 Token</b> fields.</p> <p><b>Workaround:</b> Close the application and reopen.</p>  |

## Flogo Connector for EMS

| Key      | Summary and Workaround   |
|----------|--|
| FGEMS-27 | <p><b>Summary:</b> The SSL handshake logs are shown on the application startup unexpectedly.</p> <p><b>Workaround:</b> None.</p> |

## Flogo Connector for Google Cloud Pub/Sub

| Key       | Summary and Workaround   |
|-----------|--|
| FGGCPS-42 | <p><b>Summary:</b> On the Windows operating system, installing the connector and generating the binary and docker images takes a long time.</p> <p><b>Workaround:</b> None.</p>  |
| FGGCPS-40 | <p><b>Summary:</b> In the Message Publisher activity, an error message is displayed when you leave the <b>Topic ID</b> field blank on the <b>Settings</b> tab and override it on the <b>Input</b> tab.</p> <p><b>Workaround:</b> None.</p> |

## Flogo Connector for HTTP

| Key       | Summary and Workaround   |
|-----------|--|
| FGHTTP-83 | <p><b>Summary:</b> In Data mode, the app does not go into running state if the context path is not set.</p> <p><b>Workaround:</b> At least, pass / in the context path for Data mode.</p>  |
| FGHTTP-89 | <p><b>Summary:</b> In Data mode, when a request of type Multipart/form-data or application/x-www-form-urlencoded is made from the HTTP service then a null response is received.</p> <p><b>Workaround:</b> Use processing mode as Proxy instead of Data for making such a request.</p> |

## Flogo Connector for IBM MQ

| Key        | Summary and Workaround   |
|------------|--|
| FGIBMQ-142 | <p><b>Summary:</b> The Subscriber in JSON format is not saved if added directly with a JSON value format.</p> <p><b>Workaround:</b> Add the JSON schema again after adding the Subscriber trigger.</p> |
| FGIBMQ-141 | <p><b>Summary:</b> The Listener in JSON format is not saved if added directly with a JSON value format.</p> <p><b>Workaround:</b> Add the JSON schema again after adding the Listener trigger.</p>     |
| FGIBMQ-107 | <p><b>Summary:</b> Connectors activity and trigger input tab fields take time to load the values.</p> <p><b>Workaround:</b> Wait for some time or refresh Visual Studio Code.</p>                      |

## Flogo Connector for Microsoft Azure Service Bus

| Key       | Summary and Workaround   |
|-----------|--|
| WIAZSB-54 | <p><b>Summary:</b> If your app contains the QueueReceiver or TopicSubscriber Azure Service Bus trigger, the app crashes if an empty message is published to the Azure Service Bus queue or topic using HTTP POST.</p> <p><b>Workaround:</b> None.</p>  |
| WIAZSB-49 | <p><b>Summary:</b> When a message that is published to a topic or a queue in the service bus has the 'TimeToLive' broker property set, Microsoft Azure Service Bus Queue Receiver and Microsoft Azure Service Bus Topic Subscriber triggers are not able to process and display its value in the output.</p> <p><b>Workaround:</b> None.</p> |

# Flogo Connector for Microsoft SQL Server

| Key        | Summary and Workaround  |
|------------|---|
| WIMSSS-355 | <p><b>Summary:</b> In case of queries combining results from multiple tables, if the tables have identical column names, then the repeated column names are renamed as columnName_&lt;number&gt;.</p> <p><b>Workaround:</b> For duplicate column names use alias.</p>   |
| WIMSSS-327 | <p><b>Summary:</b> When passing a list of values in the prepared parameter, then query does not return any values.</p> <p><b>Workaround:</b> Pass multiple prepared parameters such as ?a1,?a2.</p>   |
| WIMSSS-213 | <p><b>Summary:</b> If you export or import from 2.8.1 to the current version, an error is shown on the activities even after establishing a connection.</p> <p><b>Workaround:</b> Refresh the page or click on the respective activity again.</p>   |
| WIMSSS-92  | <p><b>Summary:</b> The OUTPUT clause in INSERT INTO is not supported. For example, the following INSERT INTO statement does not return the expected value for promotion id:</p> <pre>INSERT INTO promotions (<br/>    promotion_name,<br/>    discount,<br/>    start_date,<br/>    expired_date<br/>) OUTPUT inserted.promotion_id<br/>VALUES<br/>    (<br/>        '2018 Fall Promotion',<br/>        0.15,<br/>        '20181001',<br/>        '20181101'<br/>    );</pre> <p><b>Workaround:</b> None.</p> |

## Flogo Connector for MongoDB

| Key        | Summary and Workaround  |
|------------|---|
| FGMGDB-117 | <p><b>Summary:</b> Options such as update, find, and delete do not work when the auto generated '_id' is given in the input criteria.</p> <p><b>Workaround:</b> With user given ids in the documents, MongoDB activities work. While inserting a document, specify a unique id in the input JSON.</p> |
| FGMGDB-107 | <p><b>Summary:</b> MongoDB activities time out in 30 seconds even if the Timeout value is set to a higher value.</p> <p><b>Workaround:</b> None.</p>  |
| FGMGDB-96  | <p><b>Summary:</b> On the MongoDB Connection page, the value entered in the Key Password field is not validated when using SSL.</p> <p><b>Workaround:</b> None.</p>   |
| FGMGDB-93  | <p><b>Summary:</b> MongoDB Trigger is not compatible with Cosmos DB.</p> <p><b>Workaround:</b> None.</p>  |
| FGMGDB-83  | <p><b>Summary:</b> The MongoDB Insert document activity generates an incorrect output on failure, if the ?Insert Many Documents? option is selected and the ?Continue on Error? field is set to False.</p> <p><b>Workaround:</b> None.</p>  |

## Flogo Connector for OData

| Key     | Summary and Workaround   |
|---------|--|
| FGOD-50 | <p><b>Summary:</b> The output of content-length response header of OData Query activity is not getting mapped to the Log Message activity.</p> <p><b>Workaround:</b> None.</p> |

## Flogo Connector for Oracle MySQL

| Key        | Summary and Workaround   |
|------------|--|
| WIMYSQ-488 | <p><b>Summary:</b> When importing an app's JSON with a MySQL, SQL Server, or Postgres activity, an error marker is shown on the activity even after updating the credentials.</p> <p><b>Workaround:</b> Refresh the page.</p>                                      |
| WIMYSQ-464 | <p><b>Summary:</b> For incorrect query, an error message is not showing up in the Insert, Delete, and Update activities.</p> <p><b>Workaround:</b> None.</p>   |
| WIMYSQ-440 | <p><b>Summary:</b> If there is no SSL server and you configure the connection as an SSL Connection with the <b>TLS Required</b> option selected, no error is generated at design time. An error is generated only at run time.</p> <p><b>Workaround:</b> None.</p> |

## Flogo Connector for PostgreSQL

| Key        | Summary and Workaround   |
|------------|--|
| WIPGRS-662 | <p><b>Summary:</b> You cannot fetch Auto suggestion on Windows for PostgreSQL default public schema.</p> <p><b>Workaround:</b> None.</p>   |
| WIPGRS-538 | <p><b>Summary:</b> When Nullable fields are left empty, an error is generated.</p> <p><b>Workaround:</b> Remove any fields that are not required from the query to automatically treat those fields as NULL.</p> |
| WIPGRS-460 | <p><b>Summary:</b> In case of queries combining results from multiple tables, if the tables have identical column names, then the repeated column names are renamed as columnName_&lt;number&gt;.</p>            |

| Key        | Summary and Workaround  |
|------------|---|
|            | <b>Workaround:</b> For duplicate column name use alias.   |
| WIPGRS-429 | <b>Summary:</b> In PostgreSQL "rowsAffected" is not showing in the output schema of the INSERT and UPDATE Activity.<br><br><b>Workaround:</b> None  |
| WIPGRS-387 | <b>Summary:</b> When running the connector with an SSL configuration with incorrect client key and client certificate issues, it results in errors at run time. These issues are not validated at design time.<br><br><b>Workaround:</b> None |
| WIPGRS-327 | <b>Summary:</b> If you export or import from 2.8.1 to the current version, an error is shown on the activities even after establishing a connection.<br><br><b>Workaround:</b> Refresh the page or click on the respective Activity again.    |
| WIPGRS-88  | <b>Summary:</b> When using time datatype, "time without timezone" is not supported.<br><br><b>Workaround:</b> None  |

## Flogo Connector for TIBCO Cloud Messaging

| Key      | Summary and Workaround  |
|----------|---|
| FGTCM-53 | <b>Summary:</b> The subscriber stops receiving the message from the server after the reconnect attempts are exceeded.<br><br><b>Workaround:</b> Make sure that the TIBCO Cloud™ Messaging server is running normally and try the following: <ul style="list-style-type: none"> <li>• Restart the app.</li> <li>• Configure a larger number of AutoReconnectAttempts under the connection to make sure it can try to reconnect more times until the server is up.</li> </ul> |

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| Key      | Summary and Workaround  |
|----------|---|
| FGTCM-18 | <b>Summary:</b> Content matcher does not work with INTEGER type for TIBCO Cloud™ Messaging Subscriber.<br><b>Workaround:</b> None |

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## Flogo Connector for TIBCO Data Virtualization

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| Key       | Summary and Workaround  |
|-----------|---|
| FGTDV-205 | <b>Summary:</b> Additional logs appear when the user stops a running binary.<br><b>Workaround:</b> None.  |
| FGTDV-151 | <b>Summary:</b> Tables are not auto-populated (if you use Ctrl + space) when you open an app after sometime.<br><b>Workaround:</b> Go to the <b>Settings</b> tab, change the catalog and switch it back. You can see the tables being auto-populated. |
| FGTDV-46  | <b>Summary:</b> With Retry On Error before all retry attempts are completed, if we start the TDV server then the app does not auto connect.<br><b>Workaround:</b> None.   |
| FGTDV-45  | <b>Summary:</b> The delay between retry attempts is more than 2 minutes when the TDV server is unreachable, not honoring connection timeout.<br><b>Workaround:</b> None.  |

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# Flogo Connector for WebSockets

| Key        | Summary and Workaround  |
|------------|---|
| FGWSKT-125 | <p><b>Summary:</b> The TCI exported app does not work in TIBCO Flogo® Connector for WebSockets.</p> <p><b>Workaround:</b> When you make any change in the app and save it again, the app gets corrected and runs as expected.</p> |

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