TIBCO Flogo® Extension for Visual Studio Code

Release Notes

Version 1.1.1 | January 2025

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Version 1.1.1

New Features

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

Support for File Activities

The following activities are now supported in TIBCO Flogo® Extension for Visual Studio Code:

- Archive Files
- Copy File
- Create File
- List Files
- Read File
- Remove File
- Rename File
- Unarchive File
- Write File

For more information, see File Category Trigger and Activities.

OpenTelemetry Span Type

You can now use the FLOGO_OTEL_SPAN_KIND variable to specify the type of span for OpenTelemetry. For more information, see Environment Variables.

Log Stream Output

You can now use the FLOGO_LOG_CONSOLE_STREAM variable to choose the log output stream. You can set it to either stdout or stderr. The default value is stderr. For more information, see Environment Variables.

Custom Swagger Endpoint

You can now set a custom URI for the Swagger endpoint using the FLOGO_SWAGGER_EP variable. For more information, see Environment Variables.

Newly Supported Connector

TIBCO Flogo® Connector for SFTP is the newly supported connector in this release. For more information, see TIBCO Flogo® Connector for SFTP.

Changes in Functionality

This section lists changes in functionality since the last major release of TIBCO Flogo® Extension for Visual Studio Code.

- The software statement for TIBCO Flogo® Extension for Visual Studio Code has been updated. You must reauthorize the existing TIBCO Platform runtime.
- When generating an application docker image locally, a container instance of the app Docker image is started. The container instance is terminated after you close the application. For more information, see Generating an Application Docker Image Locally.

Deprecated Features

No features have been deprecated in this release of TIBCO Flogo® Extension for Visual Studio Code.

Removed Features

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

Migration and Compatibility

There are no migration procedures or compatibility issues in this release of TIBCO Flogo® Extension for Visual Studio Code.

Closed Issues

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

Key	Description
FLOGO-14274	No data type is populated for the content matcher app property field for the TCM connector.
FLOGO-14127	When using the Run action with Local runtime and mode as Executable, environment variables are not supported and the app fails.
FLOGO-11649	When creating a connection, the fields in the **connection details** dialog that support app properties are not marked with the **app properties** icon.

Version 1.1.0

New Features

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

Support for gRPC Trigger

You can now use the gRPC trigger as a server for gRPC clients. For more information, see gRPC Trigger.

Support for Coerce with Schema

You can now coerce a parameter to take the value from a schema dynamically defined during design time. For more information, see Coercing of Activity Input, Output, and Trigger Reply Fields.

Flow Exception Assertions in Test Cases

In test cases, you can now add flow exception assertions. For more information, see Creating and Running a Test Case.

Assert Options in Flow Outputs

In Flow Outputs, you now have the following options for assertions: **Execute (Default)**, **Assert on Output**, and **Assert on Error**. For more information, see Creating Assertions for Flow Output.

Support for allOf and oneOf JSON Schema Constructs

You can now use the allOf and oneOf OpenAPI 3.0 keywords to combine schemas. For more information, see Combining Schemas Using Keywords.

Ability to Configure Environment Variables

You can now configure environment variables under the **Configure and Run** option. This works only on local runtime. For more information, see Running the App Locally.

Support for Compression Functions GZip and GUnZip

You can now use the compression.gzipCompress and compression.gzipUncompress functions. For more information, see Compression Functions.

Support for App Level Validation

With app level validation, you can now validate all the application flows on the flow list page and monitor any errors and warnings. For more information, see Validating your App Flow.

Support for GraphQL Trigger

You can now use the GraphQL Trigger to connect to the GraphQL server. For more information, see GraphQL Trigger.

Support for Unit Test Case Play Feature

In the local runtime environment, you can now test a flow once with the unit test case play feature and see the activity inputs and outputs. For more information, see Playing a Test Case Once.

Integration of the Flow Notes Feature

You can now add notes to the different flows in an activity. For more information, see Using Notes.

Support for Docker Image Generation

You can now build an application Docker image locally and run as an application Docker container. For more information, see Generating an Application Docker Image Locally.

Newly Supported Connectors

TIBCO Flogo® Connector for OData and TIBCO Flogo® Connector for Google Pub/Sub are the newly supported connectors in this release. For more information, see Supported Flogo Connectors.

Changes in Functionality

No functionality changes have been made in this release of TIBCO Flogo® Extension for Visual Studio Code.

Deprecated Features

No features have been deprecated in this release of TIBCO Flogo® Extension for Visual Studio Code.

Removed Features

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

Migration and Compatibility

There are no migration procedures or compatibility issues in this release of TIBCO Flogo® Extension for Visual Studio Code.

Closed Issues

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

Key	Description
FLOGO-13603	Empty assertions are not allowed in **Assert on Exception** and **Assert on Outputs** modes for runtime.
FLOGO-13548	In a flow, the throwError activity does not execute and gives an error message.
FLOGO-13545	A test case is marked as Passed even if it has not-executed activities with assertions.
FLOGO-13371	While adding an app property, if you click the field toggle, the app property cannot be added.

Key	Description
FLOGO-13299	An app binary created from the platform runtime does not have execute permissions.
FLOGO-13279	When a flow is outside the visible canvas and includes the scroll view, the Branch configuration icon is missing and does not work as expected.
FLOGO-13262	In unit testing, assertions that are not executed are incorrectly counted in the execution count.
FLOGO-13254	You cannot drag a transition from an activity that has multiple incoming branches.
FLOGO-13234	(macOS) You cannot build a binary for the `linux_amd64` platform.
FLOGO-13232	The test results for test cases and test suites are not visible on the terminal if you connect to the platform runtime.
FLOGO-13206	If you change the name of an activity and switch to the unit test file, and then navigate to the activity whose name is changed, the assertion disappears but the activity name on the tile is updated correctly.
FLOGO-13115	If you switch from an activity which has an Assert to an activity which has a Mock, both Mock and Assert are visible as selected.
FLOGO-12947	The toggle to attach an app schema is not visible for a request and response body in the **List View** of the **Flow Inputs & Outputs** dialog when ••• is clicked.
FLOGO-12767	A deleted connection continues to show on the Connection tab.

Version 1.0.0

New Features

This is the first release of TIBCO Flogo® Extension for Visual Studio Code.

Known Issues

The following issues exist in this version of TIBCO Flogo® Extension for Visual Studio Code.

Key	Description
FLOGO-14602	**Summary:** Existing Oracle Database connection must be reconnected to server with upgrade of TIBCO Flogo® Extension for Visual Studio Code from version 1.1.0 to 1.1.1, otherwise app fails at runtime. **Workaround:** After upgrading TIBCO Flogo® Extension for Visual Studio Code, re-establish the Oracle Database connection and then Build and Run the application.
FLOGO-14311	**Summary:** Windows Prerequisite script for Oracle Driver installation fails for chocolatey installation. **Workaround:** Update following command with the appropriate path to script: `powershell.exe -ExecutionPolicy Bypass -File ".\vscode-preinstall.ps1" oracle -Verb RunAs` and run it as administrator in Powershell.
FLOGO-14219	**Summary:** The selection of oneOf or anyOf schema is not supported in the Start a Subflow activity. **Workaround:** Use the schema with oneOf or anyOf keywords in the main flow.
FLOGO-13839	**Summary:** The `.flogo` file contains multiple branches in the error handler, but the corresponding `.flogotest` file only displays one branch. **Workaround:** None
FLOGO-13785	**Summary:** If you create a new flow and try to open the subflow activity with the open subflow icon without saving it, the display freezes. **Workaround:** None
FLOGO-13676	**Summary:** Adding app schema from the Select view is not allowed from flow input/output.

Key	Description
	Workaround: Add the app schema from the App schema tab, then attach it from the app schema toggle in the flow input/output.
FLOGO-13367	**Summary:** Unable to delete the assertions added in flow output. **Workaround:** None
FLOGO-13326	**Summary:** A test case is marked as Passed even if it has not executed activities with assertions. **Workaround:** Check the test results file for any such test cases with activities having one or more assertions that are not executed.
FLOGO-13284	**Summary:** If test cases are exported from TIBCO Cloud Integration and run without test suites, the test run fails. **Workaround:** Create a test suite, add the test cases to the test suite, and then run the test.
FLOGO-13230	**Summary:** App upgrade fails in TIBCO Flogo® Extension for Visual Studio Code when importing the app from TIBCO Cloud Integration. **Workaround:** Rename the app with a .flogo extension and navigate to any flow.
FLOGO-13205	**Summary:** The Throw Error activity fails with the following error: `Error evaluating activity 'ThrowError'`
FLOGO-13125	**Summary:** You cannot move from one flow to another in the error handler. **Workaround:** None
FLOGO-13118	**Summary:** (Windows) While removing, modifying, or repairing a driver using prerequisite installation scripts, an incorrect installation message such as the following is displayed: `Successfully installed Amazon Redshift Driver...`

Key	Description
	Workaround: None
FLOGO-13093	**Summary:** After discarding changes in the activity configuration, the **Open Subflow** icon is still present in the activity tile. **Workaround:** Navigate out of and then back into the same flow.
FLOGO-13082	**Summary:** In the activity configuration, when you click the **Open Subflow** icon, the UI is disabled. **Workaround:** Save the changes and then click the **Open Subflow** icon.
FLOGO-12570	**Summary:** You need to reload the Visual Studio Code window each time you add or delete an extension. **Workaround:** None
FLOGO-12400	**Summary:** In all connector activities, **Query Editor** and **Metadata Fields** cannot be expanded. **Workaround:** None
FLOGO-12340	**Summary:** 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. **Workaround:** Save the changes again.
FLOGO-11904	**Summary:** After a request is complete for an HTTP trigger app with proxy mode, an error is displayed in the logs. **Workaround:** 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-11813	**Summary:** When you copy an app into a workspace, the Password type values are also copied. **Workaround:** None

Key	Description
FLOGO-11704	**Summary:** After updating a branch condition, connection lines are not updated. **Workaround:** Click **Back** and navigate inside the flow to see the updated condition with the connection line.
FLOGO-11673	**Summary:** If you select the **Coerce with schema** option at the object level mapper, no action is performed. **Workaround:** None
FLOGO-11642	**Summary:** App properties without any value are getting saved. **Workaround:** Enter values while adding app properties.
FLOGO-11640	**Summary:** After clicking **Validate**, the Validation successful and Successful with errors warning messages are not displayed on the UI. **Workaround:** None
FLOGO-11599	**Summary:** The menu for clear mapping, add condition, and reset is visible even after clicking outside. **Workaround:** Switch between the tabs.
FLOGO-11483	**Summary:** After adding an activity or trigger in the flow canvas, its panel does not close even after clicking anywhere on the canvas. **Workaround:** Click **Activities**/**Trigger** to close the panel.
WISNFK-219	**Summary:** (macOS) An incorrect SQL query does not display any error. **Workaround:** Insert a valid SQL query that provides the metadata.

TIBCO Documentation and Support Services

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

Product-Specific Documentation

The following documentation for this product is available on the TIBCO Flogo® Extension for Visual Studio Code Product Documentation page:

- *TIBCO Flogo® Extension for Visual Studio Code Release Notes*
- *TIBCO Flogo® Extension for Visual Studio Code User Guide*
- *TIBCO Flogo® Extension for Visual Studio Code Mapper Functions Guide*

Other TIBCO Product Documentation

When working with TIBCO Flogo® Extension for Visual Studio Code, you may find it useful to read the documentation of the following TIBCO products:

- TIBCO® Control Plane
- TIBCO Flogo® Enterprise
- TIBCO Cloud™ Integration

How to Access Related Third-Party Documentation

When working with TIBCO Flogo® Extension for Visual Studio Code, you may find it useful to read the documentation of Visual Studio Code: https://code.visualstudio.com/.

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 TIBCO Community.

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