



TIBCO Business Studio™ - BPM Edition

Release Notes

Version 5.6.0 | November 2024



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New Features

The following features have been added in this release of TIBCO Business Studio™ - BPM Edition.

Additional Operators to Search for Case Objects

TIBCO Business Studio™ - BPM Edition supports the DQL query operators, such as AND, OR, >, <, and more to help you search and identify case objects. For more information, see the "Case Data Query Language Operators" section of the TIBCO Business Studio™ - BPM Edition *Application Designer's Guide*.

Support for Reusable Process Script Functions

You can now write script functions and reuse them across multiple projects to avoid rewriting the same code. For more information, see the "Creating Script Functions" section of the TIBCO Business Studio™ - BPM Edition *Application Designer's Guide*.

Composite Case Identifiers

You can create case identifiers of type Composite to identify Business Data Cases using a combination of significant case attributes. To support scripted searching for cases using Composite case identifiers, the `findByCompositeIdentifier` JavaScript function is added.

Support for Export of Data to CSV Format

From a grid pane in TIBCO Form, you can now export data shown in a table to a CSV file.

Ability to Format Forms

You can now use CSS custom properties to format form properties, such as fonts and button colors. For more information, see "CSS Custom Properties" section of the TIBCO Business Studio™ - BPM Edition *Application Designer's Guide*.

Ability to Calculate Time Difference

Use the `dateTimeUtil` utility to calculate the difference between two dates and get the response in the ISO 8601 Duration format `P[n]Y[n]M[n]DT[n]H[n]M[n]S`. For more information, see the "bpmScriptUtil" section of the TIBCO Business Studio™ - BPM Edition *Application Designer's Guide*.

Event Sub-Processes Support Business Correlation Data

Event handler sub-processes and flow patterns now support the optional use of business correlation data (as opposed to process instance ID) to identify the process instance on which a given event trigger is run.

Changes in Functionality

The following functionality changes have been made in this release of TIBCO Business Studio™ - BPM Edition.

Case Data Model

- When you use the quick fix to set case identifier attributes in a workspace to **Text** type, a new option is added that enables you to change all case identifier attributes in a workspace to Text type together at one time.
- If case state is not present in the case data models that you are migrating, the **Case State** attribute is added to such case data models with the following enumerations: **RUNNING** and **COMPLETE**. In addition, the **COMPLETE** enumeration is set as the terminal state.
- If a terminal state is not assigned to a migrated case class **Case State** attribute, it is listed as an error in the problem marker.
- Case identifier of type Composite is migrated.

Migration of Business Object Models

The following changes have been made to migrate Business Object Models from 4.x projects into 5.x projects:

- The Business Object Models, generated from WSDL/XSD specifications are preserved in their original Generated Business Objects folders to differentiate between previously generated and user-defined Business Object Models. These files or folders are not generated in TIBCO Business Studio™ - BPM Edition 5.x and can be modified and saved like any other user-defined Business Object Model.
- The problem marker quick fix that is provided to move Generated Business Object Models into a Business Data project is modified to preserve the models in their original folder structure.
- The Operation elements are removed from the Business Object Models as they have no relevance in the 5.x use cases.

- Generalization constructs used in 4.x Business Object Models are not supported in 5.x. Resolution of this difference is now performed automatically during import to TIBCO Business Studio™ - BPM Edition 5.x by flattening the class structure. For example, when Class-A has a generalization association with Class-B during import to TIBCO Business Studio™ - BPM Edition 5.x the attributes from Class-B are replicated into Class-A.

Migration of Business Service Invocation of Business Processes

In TIBCO Business Studio™ - BPM Edition 4.x, when the **Generate Business Service** action is used to generate a Business Service that invokes a Business Process, a Business Process Invocation task is created. The underlying mechanism for this task type is a Web Service Operation that is not supported in TIBCO Business Studio™ - BPM Edition 5.x. Resolution of this difference is now performed automatically during import to 5.x by converting the task to an asynchronous sub-process invocation task that is directly equivalent in runtime behavior to the original task.


CI/CD Docker Image

The base image used in the TIBCO Business Studio - BPM Edition automated CI/CD docker image template has been updated to Ubuntu version 24.04 with Python version 3 installed automatically.

Deprecated Features

The following feature has been deprecated as of this release of TIBCO Business Studio™ - BPM Edition.

Affected Component	Description	Deprecated in Release
CentOS 7.x 64-bit on x86-64	The CentOS 7.x is deprecated.	5.6.0

 **Note:** Platform support is aligned with industry technical support.

Removed Features

The following feature has been removed from this release of TIBCO Business Studio™ - BPM Edition.


Key	Summary
Subclipse and SVNKit	Subclipse and SVNKit Client Adapter are not automatically installed in TIBCO Business Studio™ - BPM Edition. If required, you can install Subclipse and SVNKit manually.

Migration and Compatibility

The following information provides migration procedures and a compatibility matrix for this release of TIBCO Business Studio™ - BPM Edition.


Migrating from Version 5.x

Migration and compatibility are not affected in this release of TIBCO Business Studio™ - BPM Edition.

 **Note:** To create a new workspace and import your BPM projects, go to **File > Import > Existing Studio Projects into Workspace**.

Migrating from Version 4.x

You can use TIBCO Business Studio™ - BPM Edition for migration of 4.x applications. For more information, see the "Importing Pre-Version 5.x Projects into TIBCO Business Studio™ - BPM Edition Version 5.x" and "Process Migration" topics in the TIBCO Business Studio™ - BPM Edition *Migration Guide*.

 **Note:** You must manually install TIBCO Business Studio™ - BPM Edition in a separate **TIBCO_Home** folder from the previous versions. The folder is not selected by default.

For more information, see the TIBCO Business Studio™ - BPM Edition *Migration Guide*.

Closed Issues

The following issues have been closed in this release of TIBCO Business Studio™ - BPM Edition.

Key	Summary
ACE-8678	It is possible to duplicate enum literal names in TIBCO Business Studio™ - BPM Edition.
ACE-8633	When you rename a business object model package name in the project explorer, exceptions are reported.
ACE-8618	When you are using the <code>bpm.dateTimeUtil.addDuration()</code> method, a script editor error is displayed.

Known Issues

The following issue exists in this release of TIBCO Business Studio - BPM Edition.

Key	Summary and Workaround
ACE-7489	<p>Summary: With Eclipse 4.19 platform on Windows 11, a button with arrow style is not displayed for the Activity Type field under the General tab.</p> <p>Workaround: None.</p>

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 [Product Documentation website](#), mainly in HTML and PDF formats.

The [Product Documentation website](#) is updated frequently and is more current than any other documentation included with the product.

Product-Specific Documentation

The documentation for this product is available on the [TIBCO Business Studio™ - BPM Edition Product Documentation](#) page.

How to Contact Support for TIBCO Products

You can contact the Support team in the following ways:

- To access the Support Knowledge Base and getting personalized content about products you are interested in, visit our [product Support website](#).
- To create a Support case, you must have a valid maintenance or support contract with a Cloud Software Group entity. You also need a username and password to log in to the [product Support website](#). If you do not have a username, you can request one by clicking **Register** on the website.

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