TIBCO Business Studio™

Release Notes

Version 4.3.1

January 2021

Contents

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.

Product-Specific Documentation

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

- TIBCO Business Studio™ Release Notes
- TIBCO Business Studio™ Concepts
- TIBCO Business Studio™ Modeling User's Guide
- TIBCO Business Studio™ - Analyst Edition User's Guide
- TIBCO Business Studio™ - BPM Implementation
- TIBCO Business Studio™ Forms User's Guide
- TIBCO Business Studio™ Simulation User's Guide
- TIBCO Business Studio™ Customization
- TIBCO Business Studio™ - Analyst Edition Installation
- TIBCO Business Studio™ - BPM Edition Installation
- TIBCO Business Studio™ iProcess to BPM Conversion

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

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 https://community.tibco.com.

New Features

No new features have been added in this release of TIBCO Business Studio.

Changes in Functionality

No functionality changes have been made in this release of TIBCO Business Studio.

Deprecated and Removed Features

This section describes deprecated and deleted features (if any), and lists features, if relevant, that may be useful alternatives to the deprecated features in this version of TIBCO Business Studio.

Any use of a deprecated feature should be discontinued as it may be removed in a future release. You should avoid becoming dependent on deprecated features and become familiar with the suggested alternative features.

Deprecated Items

Affected Component	Description	Deprecated Release
TIBCO Business Studio	Local Business Object project The use of existing Local Business Object projects is still supported, but you cannot create new ones. The use of Business Data Projects is recommended as these are deployed separately from the referencing process projects rather than being bundled in each one.	4.0.0

Removed Items

No features or components have been removed in this version of TIBCO Business Studio.

Migration and Compatibility

This topic describes migration and compatibility issues for this version of TIBCO Business Studio.

Projects from previous versions of the product can be imported (and are automatically migrated as required). Projects are automatically migrated when you use the **Import** > **Existing Studio Projects into Workspace** option.

You must use a new workspace.

Some projects you do not import might not be migrated automatically. For more information, see the Problems marker on the Problems view.

To migrate projects created in a previous version to this version, right-click the Problems marker on the Problems view and select **Quick Fix**. For more information, see the *TIBCO Business Studio Modeling User's Guide*.

Allow Re-use of Generated BOMs on Importing TIBCO Business Studio Projects. BOMs generated from WSDLs are now be regenerated on every import. They are no longer marked as derived files and are not included in the exported projects. They should be kept under version control (if version control is used). There is also a preference to regenerate BOM on project import.

Projects created in this version of the product cannot be used in previous versions.

Closed Issues

The closed issues in this version of TIBCO Business Studio are listed per component:

- TIBCO Business Studio

TIBCO Business Studio

Key (Case ID)	Description
XPD-8517 (CN-01878659)	If you add "Content-Type" and "Accept" to a REST service definition, the parameters are added twice to the request header. Avoid user-defined "Content-Type" and "Accept" header parameters in a REST service definition. Instead: - For request header parameters, use the specific `Content-Type` property control to set the "`Content-Type`" request header parameter. - For response header parameters, use the specific `Content-Type(Accept)` property control to set the "`Accept`" response header parameter.
XPD-8516	After editing a script in a process, some actions (copy, delete, undo, redo, and so on) stop working in other editors. The main menu items for these options are disabled and the accelerators (Ctrl+C, Delete, and so on) do not function.
XPD-8514 (CN- 01875251)	The required quotes in allowed values of process parameters are counted toward the field length and parameters cannot be assigned in scripts. This results in a problem marker.
XPD-8511 (CN- 01865889)	If a flow name has more than 64 characters, project deployment fails.
XPD-8496	Reuse of global classes can lead to generation of inefficient SQL queries (Studio fixes for WRM-11611).
XPD-8441 (CN-01652002)	You are allowed to create data-fields with the name of the JavaScript utility classes `WorkItemAttributes` and `WorkManagerFactory` which causes problems when the script is executed. These names are now reserved words and result in a problem marker if used as data-field names.

Known Issues

The known issues in this version of TIBCO Business Studio are listed per component:

- TIBCO Business Studio
- TIBCO Forms
- Process Manager
- Platform

TIBCO Business Studio

Key	Information
XPD-8521	**Summary:** If you migrate a project and then delete a generalization (relationship) from Business Object Model (BOM), a Null Pointer Exception is thrown. **Workaround:** Close the BOM and re-open it. The generalization is already removed.
XPD-8520	**Summary:** You cannot delete privileges of an Organization Model after removing its references. **Workaround:** Open the `.om` file in a text editor and remove the `om:Privilege` entry. For example: ``` <privileges xmi:type="om:Privilege" xmi:id="_WMnd8J-tEeOTYpzYgMePFw" name="ldapadmin" displayName="ldapadmin"/> ```
XPD-8519	**Summary:** If you import projects from a folder and do not select the **Copy files into workspace** option, individual files are not migrated. The project itself, however, does not show a problem marker that it is an older version. This happens because the files are not refreshed and synced with the file-system when the import migration is performed. **Workaround:** When importing into a new version of Studio, ensure that you use the **Copy files into workspace** option in the Import dialog.
XPD-8513	**Summary:** If you catch a nested sub-process error, DataMapper grammar mappings appear broken after creating them. **Workaround:** None
XPD-8512	**Summary:** Activity scoped data fields are incorrectly shown on the left side of the **Work Resource** > **Work Item Attribute** data mapper property tab. Also, if you use the activity scoped data fields, you see broken mappings. **Workaround:** None
XPD-8489	**Summary:** On searching for certain classes in a BOM, a Null Pointer Exception is thrown. **Workaround:** None

Key	Information
XPD-8487	**Summary:** Renaming a BOM package in project explorer results in exceptions. **Workaround:** None
XPD-8477	**Summary:** Though the WS01 sample is correctly deployed, the prepare-report task fails. The sample is located in the following directory: `TIBCO_HOME\tibco\<environment location>\studio\n.n\samples\WS01.zip` **Workaround:** Build the project, generating a new `build.xml`.
XPD-8216 (CN-01259359)	**Summary:** Sometimes you can get errors in a project with an imported WSDL whose schema contains Element definitions set to complex types where the name of the element 'matches' the type (for example, Element name = "Customer" and type name = "CustomerType"). **Workaround:** Change the type name so that it does not 'match' the element name (for example, CustomerTypeXX). This will make no difference to the ability to generate XML that matches the schema (even when different type names are used in the copy of the WSDL by other parts of the system).
XPD-8214 (CN-01257713)	**Summary:** If a WSDL schema has a SimpleType that is defined as an extension of xsd:anySimpleType though the generated BOM looks fine, it causes failure in transforming it to the internal hidden xsd. **Workaround:** Change the Simple type in the WSDL schema to be an extension of xsd:String - this is effectively the same as xsd:anySimpleType for simple types.
XPD-8192	**Summary:** When installing TIBCO Business Studio for Analysts on Linux with Java 8 installed, a dialog indicating an Ant task error is displayed. **Workaround:** This does not adversely affect the installed product. Click **OK** to dismiss the error dialog and complete the installation.
XPD-8189 (SR-706782)	**Summary:** TIBCO Business Studio should show a validation error if a concrete WSDL does not refer to a specific operation (such as soap:operation) from its binding. If it is missing then DAA generation fails. **Workaround:** None.
XPD-8176	**Summary:** When TIBCO Business Studio - BPM Edition and TIBCO Business Studio - Analyst Edition are installed on the same Windows 10 machine, in the Start menu, the *Readme* and *Release Notes* shortcuts are overwritten. **Workaround:** To access shortcuts from the file system, access the files from the following paths (the shortcuts are located here). • TIBCO Business Studio - BPM Edition: For example: `C:\ProgramData\Microsoft\Windows\Start Menu\Programs\TIBCO\<version>\TIBCO Business Studio <version>` • TIBCO Business Studio - Analyst Edition: For example: `C:\ProgramData\Microsoft\Windows\Start Menu\Programs\TIBCO\<version>\TIBCO Business Studio <version> Analyst Edition`

Key	Information
XPD-8160	**Summary:** The warning message "ANT Task: Removing TIBCO Business Studio - Decisions Add-in failed" is displayed when uninstalling TIBCO Business Studio - BPM Edition with TIBCO Business Studio ActiveMatrix Decisions Add-In. **Workaround:** Click **OK** and **Next**. The uninstallation completes successfully.
XPD-8133 (SR-608402, SR-611487)	**Summary:** Process flow does not act as designed if *all* the conditions below are present in the same process definition: • There are 2 tasks (for example TaskA and TaskB) each of which has a boundary event with "continue task" option selected. • The normal flow from TaskA eventually leads to TaskB. • The boundary event flows from TaskA's boundary event and TaskB's boundary event eventually lead to the same point. • TaskA is in a cycle that does not contain TaskB. • The process also contains a controlled merge (parallel merge gateway). **Workaround:** Change the process definition so that all the conditions no longer exist. For instance, change it so that the third item above is no longer true by replicating the task that both paths share, rather than have both paths lead to the same task.
XPD-8132 (SR-674470)	**Summary:** Process Flow Analyzer validation does not show an error when there is an implied parallel merge at the end of a process. **Workaround:** Manually insert a Controlled Merge gateway between a task with an uncontrolled merge and its in-flows.
XPD-8055	**Summary:** The sub-process data mapper does not allow you to do the necessary multi to single and single to multi mapping normally required for a multi-instance sub-process. **Workaround:** You must use JavaScript to call a multi-instance sub-process. An appropriate problem marker and Quick Fix are provided.
XPD-7912	**Summary:** When a service task invokes a Web Service operation that is generated from a process in the **same XPDL file** then when editing mappings it can sometimes appear that the mappings are broken. **Workaround:** Make some other change in the referencing process (such as move the activity and save). If this does not work (after build completes) then perform a clean build on the project containing the referenced WSDL.
XPD-7819	**Summary:** Content assist and type validation are not supported for REST output script mapping arrays: for REST out mappings, if you use a script mapping containing array assignments or use array notation instead of dot separators you'll receive a warning. **Workaround:** The warning can be safely ignored as long as the types match. It means that you need to make sure the types are correct for the script mapping. If they are not it will fail at runtime.

Key	Information
XPD-7791	**Summary:** Issues are seen renaming a business data process project and pageflow process project. For example, after renaming a business data process project the referencing project has problem markers as the factory methods are not recognized. **Workaround:** Perform a clean build of the project to fix the error markers.
XPD-7426	**Summary:** An error occurs if you force undeploy a process application with multiple versions, and only the current version will be undeployed. **Workaround:** Force undeploy each version, or cancel all instances for all versions to remove the complete application and start again.
XPD-7401	**Summary:** When a WSDL is auto-generated by TIBCO Business Studio - BPM Edition for a process-as-service provider project which is re-exported by ActiveMatrix Administrator, the re-export can add extraneous imports between schemas that were not originally there. This can cause cyclic dependency problem markers when re-importing into TIBCO Business Studio - BPM Edition. **Workaround:** Resolve manually by removing extraneous imports.
XPD-7108 (SR-532854)	**Summary:** Nested conditions in Simulation are not processed correctly, as a nested gateway does not spread the process instances across both outgoing flows. Depending on the weighting of the conditions, the nested condition may always be true when the condition it is nested within is true (for instance). This would mean that the nested condition's false path would never appear to be followed. **Workaround:** None.
XPD-6914	**Summary:** BOMs are sometimes not regenerated when the XSD is modified (depending on the modification made, such as addition of a new top level simple type). The changed / new elements and types added to the schema type are then not apparent in data mapping and JavaScript scripts using the modified types. **Workaround:** Explicitly delete the BOM and clean the project.

Key	Information

XPD-7255	**Summary:** There are failures in Linux Version 7 (Oracle Linux 7, CentOS 7, Red Hat Enterprise Linux 7) when TIBCO Business Studio uses the Standard Widget Toolkit (SWT) internal browser (used for BPM Live Dev, Email Service Task, TIBCO Product Help view) and an error message is displayed.
	
	Workaround: To fix this you must install 64-Bit XULRunner 1.9.2. You need to download this from the Mozilla site: http://ftp.mozilla.org/pub/mozilla.org/xulrunner/nightly/2012/03/2012-03-02-03-32-11-mozilla-1.9.2/
	
	📋 When you obtain third-party software or services, it is your responsibility to ensure you understand the license terms associated with such third-party software or services and comply with such terms.
	
	1. Extract the contents of the tar file by entering the following command: `tar -xvif` *tar-file-name*
	
	2. To make the new XULRunner version available, edit the `TIBCO_HOME/studio/3.6/eclipse/` TIBCOBusiness Studio.ini file and add the following Java VM arguments as a new line in the -vmargs section in the file: `-Dorg.eclipse.swt.browser.XULRunnerPath=pathto-XULRunner`.
	
	📋 This update applies to a specific instance of TIBCO Business Studio. If the instance of TIBCO Business Studio was installed for an individual user, the update only applies to that user. If TIBCO Business Studio was installed as a shared instance that is used by multiple users, the update applies to all users of the shared instance.
	
	• **To make the new version available to all users on the system:**
	   – As user root, extract the XULRunner runtime directory to a location that is accessible to all users, for example, `/usr/lib/xulrunner-1.9.2`.
	   – From the XULRunner directory, enter the following command: `./xulrunner --register-global`
	
	• **To make the new version available to an individual user:**
	   – Extract the XULRunner runtime directory to the home directory of the user.
	   – From the XULRunner directory, enter the following command: `./xulrunner --register-user`
	
	📋 Registering XULRunner persists across the system and TIBCO Business Studio restarts.
	
	3. Restart TIBCO Business Studio and confirm that the issues have been resolved.

XPD-6758	**Summary:** If Internet Explorer 8 is used as the embedded browser in the BPM Live Dev perspective, TIBCO Business Studio may crash when the user logs into Openspace. **Workaround:** Launch Openspace in an external browser window using the button on the TIBCO Business Studio Openspace view.

Key	Information
XPD-6610	**Summary:** In the TIBCO Business Studio documentation, there are screenshots that have yet to be updated to reflect the Business Process Model and Notation (BPMN) 2.0 notation that is used in the software. **Workaround:** None.
XPD-6449	**Summary:** When you import datasource it cannot support multibyte characters. **Workaround:** When starting TIBCO Business Studio, put –`Dfile.encoding=UTF-8` as vmargs in `TIBCOBusinessStudio.ini` file. For example: ``` -vm C:/Program Files (x86)/TIBCO/39/tibcojre/1.7.0/bin/client/jvm.dll -install C:/Program Files (x86)/TIBCO/39/studio/3.6/eclipse -vmargs -Dfile.encoding=UTF-8 ```
SCF-223	**Summary: Import** > **Service Import Wizard** > **Import From URL** *<ftp url>* does not work. **Workaround:** Download the file from the FTP site and save it somewhere on the local file system. Import the WSDL from the local file system.
SDS-7492	**Summary:** In the Deploy Server dialog, the default application folder setting is not applied when the application folder name is typed in rather than browsed for. **Workaround:** Browse to the application folder name when deploying applications. Also browse to the default folder to set the default application folder when creating a Deployment Service.
SDS-7486	**Summary:** If DAA export fails in headless mode, it should log the failure message and fail the task. **Workaround:** None.
SDS-7347	**Summary:** There is a custom version of command line ant runner on AIX platform amx_eclipse_ant.sh and it does not work with a new scripted project deployment feature introduced in TIBCO Business Studio 3.6.0. **Workaround:** It should be still possible to run a custom ant script for importing projects and exporting DAA from command line (as long as the right number of arguments is provided) or you can use scripted project deployment and run from command line on other supported platforms (for example: Windows, Linux, Solaris).
SDS-7214	**Summary:** While configuring 'Deploy Action' in a TIBCO Business Studio Deploy Project, a check box is available for 're-provisioning custom features'. Users should not select this as it is not relevant for BPM projects. This is relevant and useful for AMX/SDS projects only. **Workaround:** None.

Key	Information
XPD-5878	**Summary:** If an update is made on a multiplicity-many date/datetime/datetimetz/ time attribute via a global data script, at runtime the data is not updated. For example: `customer.datetime.setyear('1981');` **Workaround:** Use the following script instead of the 'in-place' script as above: `customer.datetime = DateTimeUtil.createDate('1981-10-10');`
XPD-5630 (SR-394577)	**Summary:** Deploy fails for a project that contains a WSDL with both SOAP HTTP and SOAP JMS Bindings for the same port-type. **Workaround:** Remove one of the bindings from the WSDL associated process participants.
XPD-5333	**Summary:** The port type name determines the name of the promoted service in the generated application. Renaming a port type will change the name of the service and therefore the runtime will see this as a new promoted service in the application being deployed, rather than an existing service being upgraded. **Workaround:** This is technically not an issue as the interface has changed, thus breaking backward compatibility. Existing port types must be maintained for BPM applications to be upgradable.
XPD-5131	**Summary:** Currently **application deployment** scripts are generated with **the same** TargetApplication Name and Environment Name in each application's CONFIG.xml file, which does not work well in multi-tenancy use cases. **Workaround:** For multi-tenancy, either change these parameters in all applications' CONFIG.xml file or re-generate scripts.
XPD-5112	**Summary:** You should get a prompt to clean and rebuild projects when Presentation Channels are updated. If you do not do this, new artifacts will not be built. **Workaround:** After you update a presentation channel, you need to do Project > Clean.
XPD-4730 (SR-540403)	**Summary:** You cannot use an Enumeration in a schema with a name that either exists as an XSD type (e.g. Language) or an internal BOM type (e.g. Duration) as it results in errors. **Workaround:** Use an enumeration name that does not clash with the name of an XSD type or standard BOM primitive type name.
XPD-3987	**Summary:** An export of TIBCO Business Studio documentation creates BOM editor images which do not display correctly. **Workaround:** Open the models in TIBCO Business Studio associated editors first (so the notation model is correctly created). If the documentation generation was done previously then you might need to open the model in a text editor first, delete the diagram notation model and then open it in an appropriate TIBCO Business Studio editor (the default diagram model should be correctly recreated).

Key	Information
XPD-3903	**Summary:** If you have an xsd:choice with an element followed by an xsd:any, when you import the WSDL, it generates the BOM but with attributes having multiplicity (0..1) which triggers the validation rule which asks to set equivalent min and max values. **Workaround:** Redesign the WSDL schema.
XPD-2980	**Summary:** When indexer errors occur it is not possible to set an external reference Organization Model to a participant as project import breaks the reference. **Workaround:** Re-start TIBCO Business Studio.
XPD-2893	**Summary:** After adding a new class to the BOM it is intermittently not possible to access its attributes in the script task using the content assist. **Workaround:** Complete the script without using content assist.
XPD-2429	**Summary:** When using TIBCO Business Studio on Linux 32/64 bit, making any changes in the Process Editor and saving any changes causes "Concurrent Modification Exception". This is caused by a known issue in the Eclipse Platform (https://bugs.eclipse.org/bugs/show_bug.cgi?id=245596). **Workaround:** None - this issue does not cause any known adverse effects, other than adding errors to the error log.
XPD-1549	**Summary:** On some installations, clicking on some controls in a property sheet cause an SWT error dialog to appear. **Workaround:** If, when clicking on a control in a property sheet, an SWT error message is displayed (for example Unhandled event loop exception org.eclipse.swt.SWTERROR) then: • Click **OK** to this dialog. • If another Internal-Error dialog is displayed (An SWT error has occurred. You are recommended to exit the workbench...) asking whether to exit the workbench, click **No**. • Reselect the process background, and then the object you had originally selected. • Next time you wish to use the control in the property sheet that caused the problem, pre-activate the Properties view by clicking on the Properties view tab-header first. • You should now be able to use the property sheet controls as normal.

TIBCO Forms

This topic lists the TIBCO Forms known issues in this release of TIBCO Business Studio.

Known Issues

Design-time

Key	Information
IWAP-748 (was FORM-6840) (CN-01241212)	**Summary**: Successful resolution of ActiveMatrix BPM clients' HTTP requests for BPM resources deployed as DAAs depends upon the deployed projects having unique version numbers, which the DAA generator achieves by replacing '.qualifier' in the TIBCO Business Studio project with the DAA generation timestamp. **Workaround**: Avoid removing the .qualifier suffix from TIBCO Business Studio projects unless you can guarantee that all such projects will always have distinct versions.
FORM-6829 (SR-668252)	**Summary**: While designing form rules, no warning is issued for user actions that may occur after a system action such as Cancel, Close, or Submit. **Workaround**: None.
FORM-6709	**Summary**: In BPM Live Development mode, if a user tries to test a form deployed on an SSL-enabled remote server, TIBCO Business Studio may crash. **Workaround**: Use a local development server or a non-SSL BPM server to test forms in BPM Live Development mode.
FORM-6703	**Summary**: A failure is seen on using the Redo command after deleting any of these: • a BOM Model element referenced by a form • an XPDL Model element referenced by a form • a BOM file referenced by a form • a folder containing a BOM file referenced by a form **Workaround**: Clear the references before deleting the artifacts.
FORM-6679	**Summary**: If a project contains a project-level common properties override, using the Undo command after renaming the project results in the override preference being lost. **Workaround**: Closing and reopening the project or restarting TIBCO Business Studio reloads the preference (which is correct on the disk), and thereby restores the correct functionality.
FORM-6636	**Summary**: In BPM Live Development mode, if you try to open a form in Openspace deployed on an SSL-enabled remote server, exception errors are displayed. **Workaround**: Use a local development server or non-SSL BPM server to open forms in BPM Live Development mode.

Key	Information
FORM-5743	**Summary**: Component Library projects that specify custom controls can only reference resources that are located in the same project as the Component Library. This can cause a problem with some JavaScript frameworks if you use the same framework in multiple Component Library projects. **Workaround**: If you have multiple Component Libraries that use the same underlying JavaScript framework (for example: jQuery), locate those libraries in the same project and make sure they all reference the same copy of the underlying JavaScript framework in that project.
FORM-5552	**Summary**: Forms do not deal explicitly with choice constructs in imported schemas. This means that it is possible to submit a form that violates a choice constraint in the underlying XSD schema. **Workaround**: For any forms that provide a user interface that populates attributes or objects that participate in a choice construct, explicitly add validations to prevent the end-user from entering data that violate the constraint. It may also be necessary to delete values directly from the model to prevent invalid data from being submitted back to the server.
FORM-5280	**Summary**: When embedded forms use Integer or Decimal types, `"Unexpected token"` exceptions are logged in the TIBCO Business Studio Error Log during project Distributed Application Archive (DAA) generation and during form preview. If neither embedding nor embedded forms have corresponding markers in the Problems view, the Error Log entries may be safely disregarded. **Workaround**: None. The Distributed Application Archive (DAA) is successfully generated and these exceptions do not affect the Forms functionality.
FORM-4893	**Summary**: If a user modifies the Move, Rename or Delete command by deselecting the **Clear/Update forms references to affected resource(s)** check box, the consequential 'unresolved reference' problem markers may not appear. This happens if these references had already been loaded into memory. For further information, see *TIBCO Business Studio Forms User's Guide > Concepts > Cross-Resource References*. **Workaround**: Restart TIBCO Business Studio, and clean and rebuild the projects containing the referencing forms.
FORM-4716	**Summary**: An embedded form is not permitted to have user interface settings (since it does not exist at runtime). **Workaround**: None. The panes and controls in an embedded form do not support custom font settings and custom layout settings. Any such user interface settings are flagged with problem markers.
FORM-4510	**Summary**: When a computation action is created directly under a default rule, an erroneous problem decorator is shown in the Outline view for that rule. There is no problem marker displayed either in the Problems view or on the form/project within the Project Explorer. This problem decorator can be ignored and does not affect any of the forms functionality. **Workaround**: Close and reopen the form. Rename the rule, and save it. This removes the problem decorator.

Process Manager

Known Issues

Key	Information
WRM-8730 (was BX-3814)	**Summary**: Mapping of 'Unprocessed Text' type REST Service response to Text data field does not preserve the value in the data field after REST service task has completed. **Workaround**: In the complete task of the same script you can copy the mapped text data field to another data field. The value will be preserved in this second data field.
WRM-8722 (was BX-3812)	**Summary**: Global Signal correlation fails if the correlation field has been reset in an activity within an event sub-process, and that activity is set as an initializer on the signal start activity within the Event Sub-process. **Workaround**: Use the setting on the sub-process to "Allow Concurrent Flows".
WRM-8734 (was BX-3811)	**Summary**: Correlation of global signals fails if the correlation field is of type decimal or dateTime. **Workaround**: Put the decimal or dateTime values in a string and use that in correlation.
WRM-8724 (was BX-3678)	**Summary**: Undeploy not working on an upgraded Global Signal Definition application (for example, version 2) which is referenced by a user application (for example, version 1). **Workaround**: Force undeploy the Global Signal Definition.
BX-3346	**Summary**: No support for mapping BDS data from a sub-process error event. **Workaround**: Use a script task to break down the error data into multiple primitive fields and associate these with the sub-process throw error event.
BX-2967	**Summary**: When you have two versions of an application - V1 and V2 with V2 having event handlers and added mandatory parameters, process instances that migrate from V1 to V2 might go into 'Halted' state with an error - 'No value set for mandatory IN/ INOUT parameter'. **Workaround**: • The parameters added in V2 should be non-mandatory. • The parameters added in V2 can be mandatory but at the interface of the tasks where the process instance migrates, the parameters should be made INOUT - non-mandatory.

Key	Information
BX-2956	**Summary**: Mapping between incompatible types like BPM attribute to POJO list could result in ExpressionEvaluationError. **Workaround**: Add a script task before the Java service task to build the source data as an array of Java objects out of the BDS list, before mapping it to the POJO method parameter.

ActiveMatrix Platform

JMS

Key	Summary/Workaround
BJMS-139	**Summary** If you rename an operation in a WSDL file, JMS bindings on composite services and references are not updated correctly. **Workaround** Create a new JMS binding after renaming the WSDL operation or re-assign the WSDL file to an existing JMS binding.

TIBCO Business Studio

Key	Summary/Workaround
XPD-1858	**Summary** When opening a native file browse dialog on Red Hat Linux for the first time, TIBCO Business Studio can crash. **Workaround** Type the path to the file in the text control.

Key	Summary/Workaround

SDS-6992
 	
SDS-6729
	Summary
	
	ActiveMatrix projects created in versions prior to 3.2.0 that use Java, Spring or WebApp components encounter a NullPointerException (NPE) dialog when imported into any ActiveMatrix version running on JRE 1.7 or later. This is caused by the incompatibility of JRE 1.7 with the JAR format of the DataBinding JARs generated by ActiveMatrix versions prior to 3.3.0. This may happen if you have upgraded to JRE 1.7 or installed an ActiveMatrix version that includes JRE 1.7, such as version 3.3.0.
	
	Workaround
	
	To avoid this issue:
	
	1. Open the **Problems** view.
	
	2. Look for instances of the following error message: `JAR file incompatible with JRE/JDK 1.7 due to containing entries with empty name.` One such message is generated for each offending JAR file.
	
	3. Right-click on one of these messages and select a Quick Fix to apply. There are three Quick Fixes available (all three back up old JARs):
	
	   a. **Fix JAR for JRE/JDK 1.7 compatibility**—This option fixes only the selected JAR (that is, the JAR you clicked to apply the quick fix).
	
	   b. Fix all library JARs in project for JRE/JDK 1.7 compatibility—This option fixes all of the offending JARs in the same project as the selected JAR (that is, the JAR you clicked to apply the Quick Fix).
	
	   c. Fix all library JARs in workspace for JRE/JDK 1.7 compatibility—This option fixes all of the offending JARs in the workspace.
	
	4. After applying a Quick Fix, some errors related to the component class may still be seen. To clean up these errors, select the project that has the errors and select **Project** > **Clean** .

SDS-6729	**Summary** Importing projects created in TIBCO Business Studio prior to ActiveMatrix release 3.2.1 into TIBCO Business Studio results in NullPointerExceptions. This is caused by null entries in data binding JARs generated prior to ActiveMatrix release 3.2.1. Such JARs only cause this issue when running JRE 1.7 **Workaround** To resolve this issue, right-click on the error and apply the available Quick Fix.
SDS-5896 MED-3065	**Summary** If you create a DAA from a project that references resources in a closed project, the DAA will be incomplete and it will not be possible to create an application from the DAA. **Workaround** Do not close related projects before building a DAA and make sure that all related projects are available in the workspace.

Key	Summary/Workaround
SDS-5866	**Summary** When one of the nodes participating in a high availability configuration is stopped and an application is deployed via TIBCO Business Studio, the deployment never completes. **Workaround** If you deploy from Administrator the application state will be partially running state instead of running - which is the expected behavior.
SDS-5848	**Summary** Clicking the hyperlink for a resource template name in the SOAP reference property sheet opens up an incorrect resource template with the same name. **Workaround** Open the resource template by going to `Resource Templates` folder and double-clicking the resource template name.
SDS-3890	**Summary** Sometimes there is an "UnhandledEventLoopException" in the error log. **Workaround** None. Ignore the error.
SDS-3511	**Summary** TIBCO Business Studio does not support substitution variables of the format %%keystoreURL%%/JKS/server-CAs.jks. **Workaround** Set the value in Administrator.

Key	Summary/Workaround

PER-1931	**Summary**
	
	 Nonce is not supported for messages sent from TIBCO ActiveMatrix BusinessWorks to ActiveMatrix BPM. Therefore, if you use TIBCO ActiveMatrix BusinessWorks as a client to invoke an ActiveMatrix BPM process as service, you may see the following error: `PolicyEnforcement Failed to Authenticate the request.`
	
	Workaround
	
	Use TIBCO ActiveMatrix BusinessWorks 5.11 HF08 or above (e.g. BW 5.12) .
	
	Alternatively, if this occurs, modify the WSDL generated by ActiveMatrix to add the following Schema, WSDL Message, and WSDL Input in Binding to successfully invoke an ActiveMatrix BPM service from TIBCO ActiveMatrix BusinessWorks.
	
	• **Schema**:
	
	`<xsd:schema elementFormDefault="qualified" targetNamespace="http://schemas.xmlsoap.org/ws/2002/07/secext">`
	`        <xsd:import namespace="http://schemas.xmlsoap.org/ws/2002/07/utility"/>`
	`            <xsd:element name="Security" type="s2:Security"/>`
	`            <xsd:complexType name="Security">`
	`                <xsd:sequence>`
	`                    <xsd:element minOccurs="0" maxOccurs="1" name="UsernameToken" type="s2:UsernameToken"/>`
	`                </xsd:sequence>`
	`            </xsd:complexType><xsd:complexType name="UsernameToken">`
	`                <xsd:sequence>`
	`                    <xsd:element minOccurs="0" maxOccurs="1" name="Username" type="xsd:string"/>`
	`                    <xsd:element minOccurs="0" maxOccurs="1" name="Password" type="xsd:string"/>`
	`                </xsd:sequence>`
	`            </xsd:complexType>`
	`        </xsd:schema>`
	
	• **WSDL Message**:
	
	`<wsdl:message name="PUTSecurity">`
	`        <wsdl:part name="Security" element="s2:Security"/>`
	`</wsdl:message>`

Key	Summary/Workaround

PER-1931 (continued)	• **WSDL Input in Binding**:
	
	``xml
	<soap:header message="tns1:PUTSecurity" part="Security"
	use="literal"/>
	``
	For example:
	
	``xml
	 <wsdl:binding name="ProcessPackageProcess_EP"
	type="tns1:ProcessPackageProcess">
	     <soap:binding style="rpc" transport="http://
	schemas.xmlsoap.org/soap/http"/>
	   <wsdl:operation name="CatchMessageEvent">
	        <wsdl:documentation/>
	        <soap:operation style="rpc"
	soapAction="CatchMessageEvent"/>
	        <wsdl:input>
	             <soap:header message="tns1:PUTSecurity"
	part="Security" use="literal"/>
	             <soap:body use="literal" parts="in1"/>
	        </wsdl:input>
	        <wsdl:output>
	              <soap:body use="literal" parts="out1"/>
	        </wsdl:output>
	   </wsdl:operation>
	 </wsdl:binding>
	<soap:header message="tns1:PUTSecurity" part="Security"
	use="literal"/>
	``

PER-714	**Summary** Multiple SOAP references deployed in a single node sending different credentials to a single SOAP service protected with Basic Authentication Policy could result in erroneous authentication failures for some of the references even if they are sending valid credentials. **Workaround** There are two workarounds: • Deploy these references in different nodes. or • Configure these references with different HTTP Client resource instance configurations.
PER-632	**Summary** For proper policy enforcement, every composite containing a web application component must have a different context root. **Workaround** None.

Key	Summary/Workaround
PER-609 PER-623	**Summary** Incompatible policies: `UsernameTokenAuthentication` and `WSSProvider`. These two policies have redundant functionality, but they cannot co-exist on the same SOAP service. • `UsernameTokenAuthentication` authenticates using only the username token in the WS-Security header. • `WSSProvider` authenticates using any available information in the WS-Security header. Both policies remove the WS-Security header from the message after successful authentication. If both policies are in effect at the same service, when the first one (`WSSProvider`) succeeds, the second (`UsernameTokenAuthentication`) must fail, because the WS-Security header is no longer available. This failure causes request messages with proper credentials to fail erroneously. **Workaround** Do not apply the policies `WSSProvider` and `UsernameTokenAuthentication` together at the same SOAP service.
PER-557	**Summary** The policy `AuthorizationByRole` does not support nested groups. Suppose user A is a member of group B, which is a subgroup of group C. If group C has access permission to request an operation, and user A attempts to request that operation, then the request fails. That is members of group B do not inherit access permission from group C. **Workaround** Configure access permissions directly in each subgroup (in this example, in group B).
AMX-6683	**Summary** Some SOAP client test tools do not generate the right WSDL message when WSDL constructs are of Doc/Literal with the message part referring to the type causing unpredictable behavior. **Workaround** Use a SOAP client test tool as close as possible to the real SOAP clients for testing, rather than changing the WSDL construct to allow the test tool scenarios to work.

Mediation

Key	Summary/Workaround
TAP-4918	**Summary** Deploying a mediation application that uses custom XPath functions and if the custom XPath function plug-in is not deployed, results in errors at the time of deployment. **Workaround** None.
MED-3306	**Summary** SOA projects created by the AutoMediate Tool may fail to be deployed by the tool if the projects have SOAP over JMS bindings. **Workaround** Re-create all JMS Connection Factory and Destination resources in TIBCO Business Studio.
MED-2946	**Summary** When using context parameters a spurious error marker appears on the Mediation Editor. **Workaround** This marker can be ignored. Run **Project** > **Clean** to remove the error markers.
MED-2935	**Summary** The default selection for a new mediation implementation does not default to the Mediation Flows folder. **Workaround** The user has to choose a location for the new mediation each time.
MED-2907 MED-2885	**Summary** The Mediation editor does not reload changes to the XSD unless the TIBCO Business Studio instance is restarted. **Workaround** To resolve this: 1. Import all projects into the workspace. 2. Restart TIBCO Business Studio. 3. Run **Project** > **Clean** > **Clean all projects**

Key	Summary/Workaround
MED-2826	**Summary** Some valid XPath expressions in Mediation projects are erroneously returned as errors rather than warnings. **Workaround** None.
MED-2055	**Summary** The Transform task does not handle the Byte Order Mark (BOM) in external stylesheet files. **Workaround** Open the stylesheet in a text editor and save it manually in a format without using BOM.
MED-1739	**Summary** When adding a PortType with many (about 50+) operations, the validation begins before the mediation flow is fully updated. This causes error markers to appear on the mediation operations when no actual problems exist. **Workaround** Select Project/Clear from the menu bar and the validation will restart. The error markers will disappear, unless there are actual problems that remain.
MED-1736	**Summary** Dragging and dropping a WDSL onto a mediation flow results in `Receive Wrong Transfer data` errors. **Workaround** None.
MED-1703	**Summary** Creating a schema using the **Create** button creates the schema for CMT model plugin wizard but does not set it. **Workaround** Once the schema is created, you can browse and select the schema in the wizard to set it for both Input and Output Schemas in the plugin wizard.
MED-1652	**Summary** The Message type context property does not specify an unbound Message even though the selection list contains all Message elements in the WSDL. An unbound Message is one that is not used for Input, Output, or Fault parts. **Workaround** Only select unbound Message elements for context properties.

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