

TIBCO Business Studio™ Release Notes

*Software Release 4.2
August 2017*

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New Features

This version introduces new features for the following components:

- [TIBCO Business Studio - BPM Edition](#)

TIBCO Business Studio - BPM Edition

New features in TIBCO Business Studio for this version are described in this section.

Publish to Desktop or Mobile

TIBCO Business Studio includes a **Publish** option for business services to set the Target Device to either Desktop or Mobile.

In the runtime, business actions(Business Services) tagged as mobile will only be listed in Mobilespace applications, and mobile-specific business actions are not displayed on Desktop clients.

Correlate Immediately Option Now Works on Halted and Suspended Process Instances

The **Correlate Immediately** option causes an immediate reply to a message received by a process instance, if there are no active process instances with matching correlation data when the message is received. (You set the **Correlate Immediately** option on a Catch Message event or Receive task in TIBCO Business Studio.)

A process instance with matching correlation data may not be available either because the process instance does not exist, or because it is currently halted or suspended.

In earlier versions of TIBCO ActiveMatrix® BPM, an immediate reply was only sent if a matching process instance existed. If a process instance was halted or suspended, correlation was deferred until the process was restarted.

In ActiveMatrix BPM® 4.2, when **Correlate Immediately** is set:

- A response is immediately returned to the sender indicating that no process instance with matching correlation data was found, or that matching process instances were found but are in a non-running state (halted or suspended).
- Correlation will still occur at a later time when the process instance with matching correlation data is available and running.



It is the responsibility of any customer-developed user interfaces receiving the response to interpret the additional response information, in order to inform the end user that the update has been received and will be processed later when the process instance is active.

See "Associating Correlation Data with an Event or Task" in the *TIBCO Business Studio Modeling User's Guide* for more information.

Changes in Functionality

There are changes to certain functions of the following components in this version:

TIBCO Business Studio

This describes the changes in functionality for TIBCO Business Studio for this version.

TIBCO Asset Central is no longer provided with this product.

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

Affected Component	Description
TIBCO Business Studio	Asset Central (allowed you to configure a Subversion server to serve documents on an intranet and take advantage of Subversion source control).

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 will be 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.

It is possible that projects you do not import may not be migrated automatically. See the Problems marker on the Problems view for more information.

You can migrate projects created in a previous version of the product with a single action: right-click on the Problems marker on the Problems view and use Quick Fix. See the *TIBCO Business Studio Modeling User's Guide* for more information.

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

Projects from 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

XPD-8271 (CN-01476789)	As the <code>Process.auditLog()</code> script function does not function correctly in in-memory processes (because there is no true process context), TIBCO Business Studio will now warn that it is not available in service processes.
XPD-8251 (CN-00718048 / SR-703123)	There was a performance issue with REST Data Mapper. There was a significant delay in displaying the mappings, and debugging indicated multiple iterations of displaying the mappings.
XPD-8230 (CN-01455279)	Where there were nested array mappings from a nested array that was separated from the array above it in the tree hierarchy by at least one single instance child, the REST calls failed with an error: <code>com.tibco.n2.javascript.EcmaError: TypeError: Cannot read property "length" from undefined.</code>
XPD-8229 (CN-01449225)	Boundary timer events do not work with dynamic organization entities.
XPD-8224 (CN-01449464)	Using Data Mapper grammar in asynchronous sub-process call output mapping from Process-Id fails with exception "ReferenceError: "BX_PROCESS_ID_" is not defined " at run-time.
XPD-8210 (CN-01242824 / SR-751901)	In rare circumstances, existing process instances appear to halt unexpectedly after migration to a newer version when additional groups of activities are added.
XPD-8199 (CN-00726401 / SR-730633)	Certain complex process flow constructs can cause issues with process instance migration after application upgrade.
XPD-8197 (CN-00740959)	When an incoming request activity (start/intermediate catch message event and receive task) with the configuration 'Publish as REST service switched on' was changed from message type to type-none, then the publish as REST service config remained and that caused Deployment/Export DAA to fail.
XPD-8194 (SR-712272 /CN-01444404)	The script generated for text to enumeration mapping in Data Mapper tasks does not account properly for the case where source text might be null.
XPD-8157 (CN-00715619 / SR-695773)	Certain branching process flow constructs can cause Export DAA to fail with exception " <code>java.lang.IllegalArgumentException: Comparison method violates its general contract</code> ".

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

Known Issues

Key	Information
XPD-8216 (CN-01259359)	<p>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").</p> <p>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).</p>
XPD-8214 (CN-01257713)	<p>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.</p> <p>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.</p>
XPD-8192	<p>Summary: When installing TIBCO Business Studio for Analysts on Linux with Java 8 installed, a dialog indicating an Ant task error is displayed.</p> <p>Workaround: This does not adversely affect the installed product. Click OK to dismiss the error dialog and complete the installation.</p>
XPD-8191	<p>Summary: Help links from within TIBCO Business Studio sometimes do not display correctly.</p> <p>Workaround: Clear your browser cache and reload the link.</p>
XPD-8189 (SR-706782)	<p>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.</p> <p>Workaround: None.</p>

Key	Information
XPD-8166	<p>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 <i>Readme</i> and <i>Release Notes</i> shortcuts are overwritten.</p> <p>Workaround: To access shortcuts from the file system, access the files at these paths (the shortcuts are located under these paths).</p> <p>For TIBCO Business Studio - BPM Edition:</p> <p>For example: C:\ProgramData\Microsoft\ Windows\Start Menu\Programs \TIBCO\<version>\ TIBCO Business Studio 4.2</p> <p>For TIBCO Business Studio - Analyst Edition:</p> <p>For example: C:\ProgramData\Microsoft\ Windows\Start Menu\Programs \TIBCO\<version>\ TIBCO Business Studio 4.2 Analyst Edition</p>
XPD-8160	<p>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.</p> <p>Workaround: Click OK and Next. The uninstallation completes successfully.</p>
XPD-8133 (SR-608402, 611487)	<p>Summary: Process flow does not act as designed if <i>all</i> the conditions below are present in the same process definition:</p> <ul style="list-style-type: none"> • 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). <p>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.</p>
XPD-8132 (SR-674470)	<p>Summary: Process Flow Analyzer validation does not show an error when there is an implied parallel merge at the end of a process.</p> <p>Workaround: Manually insert a Controlled Merge gateway between a task with an uncontrolled merge and its in-flows.</p>
XPD-8055	<p>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.</p> <p>Workaround: You must use JavaScript to call a multi-instance sub-process. An appropriate problem marker and Quick Fix are provided.</p>

Key	Information
XPD-7912	<p>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.</p> <p>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.</p>
XPD-7819	<p>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.</p> <p>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.</p>
XPD-7813	<p>Summary: When using Java 1.8, the <code>-prepare-report</code> task in a deploy project <code>build.xml</code> fails with <code>javax.script.ScriptException: ReferenceError: "importPackage" is not defined in <eval> at line number 4.</code></p> <p>Workaround: Use Java 1.7.</p>
XPD-7791	<p>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.</p> <p>Workaround: Perform a clean build of the project to fix the error markers.</p>
XPD-7426	<p>Summary: An error occurs if you force undeploy a process application with multiple versions, and only the current version will be undeployed.</p> <p>Workaround: Force undeploy each version, or cancel all instances for all versions to remove the complete application and start again.</p>
XPD-7401	<p>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.</p> <p>Workaround: Resolve manually by removing extraneous imports.</p>

Key	Information
XPD-7255	<p>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.</p> <p>Workaround: To fix this you must install 64-Bit XULRunner 1.9.2. You need to download this from the Mozilla nightly builds site: http://ftp.mozilla.org/pub/mozilla.org/xulrunner/nightly/2012/03/2012-03-02-03-32-11-mozilla-1.9.2/</p> <ol style="list-style-type: none"> 1. Extract the contents of the tar file by entering the following command: <code>tar -xvif tar-file-name</code> 2. To make the new XULRunner version available, edit the <code>TIBCO_HOME/studio/3.6/eclipse/TIBCOBusinessStudio.ini</code> file and add the following Java VM arguments as a new line in the <code>-vmargs</code> section in the file: <code>-Dorg.eclipse.swt.browser.XULRunnerPath=pathto-XULRunner.</code> <ul style="list-style-type: none"> • Note: 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. • The following procedure makes the new version available to all users on the system: <ul style="list-style-type: none"> – As user root, extract the XULRunner runtime directory to a location that is accessible to all users, for example, <code>/usr/lib/xulrunner-1.9.2.</code> – From the XULRunner directory, enter the following command: <code>./xulrunner --register-global</code> • The following procedure makes the new version available to an individual user <ul style="list-style-type: none"> – Extract the XULRunner runtime directory to the home directory of the user. – From the XULRunner directory, enter the following command: <code>./xulrunner --register-user</code> <div style="display: flex; align-items: center; margin-top: 10px;">  <div> <p>Registering XULRunner persists across the system and TIBCO Business Studio restarts.</p> </div> </div> 3. Restart TIBCO Business Studio and confirm that the issues have been resolved.
XPD-7108 (SR-532854)	<p>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.</p> <p>Workaround: None.</p>

Key	Information
XPD-6914	<p>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.</p> <p>Workaround: Explicitly delete the BOM and clean the project.</p>
XPD-6758	<p>Summary: If Internet Explorer 8 is used as the embedded browser in the BPM Live Dev perspective then TIBCO Business Studio may crash when the user logs into Openspace.</p> <p>Workaround: Launch Openspace in an external browser window using the button on the TIBCO Business Studio Openspace view.</p>
XPD-6610	<p>Summary: In the TIBCO Business Studio documentation, there are screenshots that have yet to be updated to reflect the BPMN 2.0 notation that is used in the software.</p> <p>Workaround: None.</p>
XPD-6449	<p>Summary: When you import datasource it cannot support multibyte characters.</p> <p>Workaround: When starting TIBCO Business Studio, put - Dfile.encoding=UTF-8 as vmargs in TIBCOBusinessStudio.ini file. For example:</p> <pre data-bbox="531 1045 1481 1199">-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</pre>
SCF-223	<p>Summary: Import > Service Import Wizard > Import From URL <i><ftp url></i> does not work.</p> <p>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.</p>
SDS-7492	<p>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.</p> <p>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.</p>
SDS-7486	<p>Summary: If DAA export fails in headless mode, it should log the failure message and fail the task.</p> <p>Workaround: None.</p>

Key	Information
SDS-7347	<p>Summary: There is a custom version of command line ant runner on AIX platform <code>amx_eclipse_ant.sh</code> and it does not work with a new scripted project deployment feature introduced in TIBCO Business Studio 3.6.0.</p> <p>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).</p>
SDS-7214	<p>Summary: While configuring 'Deploy Action' in a TIBCO Business Studio Deploy Project, a check-box is available for 're-provisioning custom features'. Users shouldn't select/check this as its not relevant for BPM projects. This is relevant and useful for AMX/SDS projects only.</p> <p>Workaround: None.</p>
XPD-5878	<p>Summary: If an update is made on a multiplicity-many date/datetime/datetimez/time attribute via a global data script, at runtime the data is not updated. For example: <code>customer.datetime.setyear('1981');</code></p> <p>Workaround: Use the following script instead of the 'in-place' script as above: <code>customer.datetime = DateTimeUtil.createDate('1981-10-10');</code></p>
XPD-5630 (SR-394577)	<p>Summary: Deploy fails for a project that contains a WSDL with both SOAP HTTP and SOAP JMS Bindings for the same port-type.</p> <p>Workaround: Remove one of the bindings from the WSDL associated process participants.</p>
XPD-5333	<p>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.</p> <p>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.</p>
XPD-5131	<p>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.</p> <p>Workaround: For multi-tenancy, either change these parameters in all applications' CONFIG.xml file or re-generate scripts.</p>
XPD-5112	<p>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.</p> <p>Workaround: After you update a presentation channel, you need to do Project > Clean.</p>

Key	Information
XPD-4730 (SR-540403)	<p>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.</p> <p>Workaround: Use an enumeration name that does not clash with the name of an XSD type or standard BOM primitive type name.</p>
XPD-3987	<p>Summary: An export of TIBCO Business Studio documentation creates BOM editor images which do not display correctly.</p> <p>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).</p>
XPD-3903	<p>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.</p> <p>Workaround: Redesign the WSDL schema.</p>
XPD-2980	<p>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.</p> <p>Workaround: Re-start TIBCO Business Studio.</p>
XPD-2893	<p>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.</p> <p>Workaround: Complete the script without using content assist.</p>
XPD-2429	<p>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".</p> <p>This is caused by a known issue in the Eclipse Platform (https://bugs.eclipse.org/bugs/show_bug.cgi?id=245596).</p> <p>Workaround: None - this issue does not cause any known adverse effects, other than adding errors to the error log.</p>

Key	Information
XPD-1549	<p>Summary: On some installations, clicking on some controls in a property sheet cause an SWT error dialog to appear.</p> <p>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:</p> <ul style="list-style-type: none"> • 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
FORM-6840 (CN-01241212)	<p>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.</p> <p>Workaround: Avoid removing the .qualifier suffix from TIBCO Business Studio projects unless you can guarantee that all such projects will always have distinct versions.</p>
FORM-6829 (SR-668252)	<p>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.</p> <p>Workaround: None.</p>
FORM-6709	<p>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.</p> <p>Workaround: Use a local development server or a non-SSL BPM server to test forms in BPM Live Development mode.</p>

Key	Information
FORM-6703	<p>Summary: A failure is seen on using the Redo command after deleting any of these:</p> <ul style="list-style-type: none"> • 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 <p>Workaround: Clear the references before deleting the artifacts.</p>
FORM-6679	<p>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.</p> <p>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.</p>
FORM-6636	<p>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.</p> <p>Workaround: Use a local development server or non-SSL BPM server to open forms in BPM Live Development mode.</p>
FORM-5743	<p>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.</p> <p>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.</p>
FORM-5717	<p>Summary: At runtime, only one version of a Component Library can be loaded within the same browser session.</p> <p>Workaround: If later versions of a process need to use an updated version of a library, then that library should be renamed to avoid a conflict with the earlier version of the library.</p>
FORM-5552	<p>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.</p> <p>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.</p>

Key	Information
FORM-5280	<p>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.</p> <p>Workaround: None. The Distributed Application Archive (DAA) is successfully generated and these exceptions do not affect the Forms functionality.</p>
FORM-4893	<p>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 <i>TIBCO Business Studio Forms User's Guide > Concepts > Cross-Resource References</i>.</p> <p>Workaround: Restart TIBCO Business Studio, and clean and rebuild the projects containing the referencing forms.</p>
FORM-4716	<p>Summary: An embedded form is not permitted to have user interface settings (since it does not exist at runtime).</p> <p>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.</p>
FORM-4510	<p>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.</p> <p>Workaround: Close and reopen the form. Rename the rule, and save it. This removes the problem decorator.</p>

Process Manager

Known Issues

Key	Information
WRM-8730 (was BX-3814)	<p>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.</p> <p>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.</p>

Key	Information
WRM-8722 (was BX-3812)	<p>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.</p> <p>Workaround: Use the setting on the sub-process to "Allow Concurrent Flows".</p>
WRM-8734 (was BX-3811)	<p>Summary: Correlation of global signals fails if the correlation field is of type decimal or dateTime.</p> <p>Workaround: Put the decimal or dateTime values in a string and use that in correlation.</p>
WRM-8724 (was BX-3678)	<p>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).</p> <p>Workaround: Force undeploy the Global Signal Definition.</p>
BX-3346	<p>Summary: No support for mapping BDS data from a sub-process error event.</p> <p>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.</p>
BX-2967	<p>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'.</p> <p>Workaround:</p> <ul style="list-style-type: none"> • 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.
BX-2956	<p>Summary: Mapping between incompatible types like BPM attribute to POJO list could result in ExpressionEvaluationError.</p> <p>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.</p>

Platform

JMS

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

TIBCO Business Studio

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

Key	Summary/Workaround
<p>SDS-6992</p> <p>SDS-6729</p>	<p>Summary</p> <p>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.</p> <p>Workaround</p> <p>To avoid this issue:</p> <ol style="list-style-type: none"> 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): <ol style="list-style-type: none"> 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.
<p>SDS-6729</p>	<p>Summary</p> <p>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</p> <p>Workaround</p> <p>To resolve this issue, right-click on the error and apply the available Quick Fix.</p>

Key	Summary/Workaround
<p>SDS-5896 MED-3065</p>	<p>Summary</p> <p>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.</p> <p>Workaround</p> <p>Do not close related projects before building a DAA and make sure that all related projects are available in the workspace.</p>
<p>SDS-5866</p>	<p>Summary</p> <p>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.</p> <p>Workaround</p> <p>If you deploy from Administrator the application state will be partially running state instead of running - which is the expected behavior.</p>
<p>SDS-5848</p>	<p>Summary</p> <p>Clicking the hyperlink for a resource template name in the SOAP reference property sheet opens up an incorrect resource template with the same name.</p> <p>Workaround</p> <p>Open the resource template by going to Resource Templates folder and double-clicking the resource template name.</p>
<p>SDS-3890</p>	<p>Summary</p> <p>Sometimes there is an "UnhandledEventLoopException" in the error log.</p> <p>Workaround</p> <p>None. Ignore the error.</p>
<p>SDS-3511</p>	<p>Summary</p> <p>TIBCO Business Studio does not support substitution variables of the format %%keystoreURL%%/JKS/server-CAs.jks.</p> <p>Workaround</p> <p>Set the value in Administrator.</p>

Key	Summary/Workaround
PER-1931	<p>Summary</p> <p>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.</p> <p>Workaround</p> <p>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.</p> <ul style="list-style-type: none"> Schema: <pre> <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> </pre> WSDL Message: <pre> <wsdl:message name="PUTSecurity"> <wsdl:part name="Security" element="s2:Security"/> </wsdl:message> </pre>

Key	Summary/Workaround
PER-1931 (continued)	<ul style="list-style-type: none"> WSDL Input in Binding: <pre> <soap:header message="tns1:PUTSecurity" part="Security" use="literal"/> For example: <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"/> </pre>
PER-714	<p>Summary</p> <p>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.</p> <p>Workaround</p> <p>There are two workarounds:</p> <ul style="list-style-type: none"> Deploy these references in different nodes. or Configure these references with different HTTP Client resource instance configurations.
PER-632	<p>Summary</p> <p>For proper policy enforcement, every composite containing a web application component must have a different context root.</p> <p>Workaround</p> <p>None.</p>

Key	Summary/Workaround
<p>PER-609</p> <p>PER-623</p>	<p>Summary</p> <p>Incompatible policies: <code>UsernameTokenAuthentication</code> and <code>WSSProvider</code>. These two policies have redundant functionality, but they cannot co-exist on the same SOAP service.</p> <ul style="list-style-type: none"> • <code>UsernameTokenAuthentication</code> authenticates using only the username token in the WS-Security header. • <code>WSSProvider</code> authenticates using any available information in the WS-Security header. <p>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 (<code>WSSProvider</code>) succeeds, the second (<code>UsernameTokenAuthentication</code>) must fail, because the WS-Security header is no longer available. This failure causes request messages with proper credentials to fail erroneously.</p> <p>Workaround</p> <p>Do not apply the policies <code>WSSProvider</code> and <code>UsernameTokenAuthentication</code> together at the same SOAP service.</p>
<p>PER-557</p>	<p>Summary</p> <p>The policy <code>AuthorizationByRole</code> does not support nested groups.</p> <p>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.</p> <p>Workaround</p> <p>Configure access permissions directly in each subgroup (in this example, in group B).</p>
<p>AMX-6683</p>	<p>Summary</p> <p>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.</p> <p>Workaround</p> <p>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.</p>

Mediation

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

Key	Summary/Workaround
MED-2826	<p>Summary</p> <p>Some valid XPath expressions in Mediation projects are erroneously returned as errors rather than warnings.</p> <p>Workaround</p> <p>None.</p>
MED-2055	<p>Summary</p> <p>The Transform task does not handle the Byte Order Mark (BOM) in external stylesheet files.</p> <p>Workaround</p> <p>Open the stylesheet in a text editor and save it manually in a format without using BOM.</p>
MED-1739	<p>Summary</p> <p>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.</p> <p>Workaround</p> <p>Select Project/Clear from the menu bar and the validation will restart. The error markers will disappear, unless there are actual problems that remain.</p>
MED-1736	<p>Summary</p> <p>Dragging and dropping a WDSL onto a mediation flow results in <code>Receive Wrong Transfer data</code> errors.</p> <p>Workaround</p> <p>None.</p>
MED-1703	<p>Summary</p> <p>Creating a schema using the Create button creates the schema for CMT model plugin wizard but does not set it.</p> <p>Workaround</p> <p>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.</p>
MED-1652	<p>Summary</p> <p>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.</p> <p>Workaround</p> <p>Only select unbound Message elements for context properties.</p>