



TIBCO iProcess® Workspace (Browser)

Release Notes

*Version 11.9.0
August 2022*



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New Features

No new features have been added to version 11.9.0 of TIBCO iProcess® Workspace (Browser).

Changes in Platform Support

The following table lists the features that have been removed in the version 11.9.0 of TIBCO iProcess® Workspace (Browser).

Platform Support Removed

Platform	Status	As of Release	Notes
Solaris	Removed	11.9.0	TIBCO iProcess® Workspace (Browser) no longer supports Solaris platform.
AIX	Removed	11.9.0	TIBCO iProcess® Workspace (Browser) no longer supports AIX platform.

In line with [TIBCO's Platform Support Policy](#), the 11.8.x release of iProcess (iProcess Engine, iProcess Workspace, and iProcess Developer) is the last release to support the Oracle Solaris and IBM AIX platforms.

The following product components are directly affected by this change:

- TIBCO iProcess Engine (Oracle)
- TIBCO iProcess Engine (DB2)
- TIBCO iProcess Technology plug-ins
- TIBCO iProcess Webservices Server plug-in
- TIBCO iProcess Server Objects (Java)
- TIBCO iProcess Workspace (Browser)

For a complete list of supported platforms, see the Readme file.

Other Information

Must Normalize Case Data to View Cases

When you install the iProcess Engine, there is a check box in the **Configuration** window that is used to enable a feature called **case data normalization**. If you are using an application developed with iProcess Server Objects (which are used to develop the iProcess Workspace (Browser)), you **must** enable case data normalization. If it is not enabled, cases will not appear in the case list.

Case data normalization can be enabled either during the installation, or at a later time using the Case Data Normalization Utility, **swnormcd**.

For more information about case data normalization and using **swnormcd**, see the *TIBCO iProcess Engine Administrator's Guide*.

Character Encoding

ICU conversion libraries can be used to specify the desired character encoding. This may be necessary if you are using character sets such as Japanese.

To use the ICU conversion libraries, you must create the following Registry entry (Windows systems) or environment variable (UNIX systems) and set it to the name of the converter you wish to use.

— TISOUnicodeConverterName

On Windows systems, the Registry entry must be located in the following path:

HKEY_LOCAL_MACHINE\SOFTWARE\Staffware plc\Staffware SSO Client\

For a list of converter names, and information about each converter, see the following website:

<http://demo.icu-project.org/icu-bin/convexp>

i Note: When using the ICU libraries, the converter you use must reserve positions 00 through 1F for the standard single-byte ASCII control characters. This ensures that the control characters do not otherwise occur in the byte stream. (The UTF-16 converter, for example, does not satisfy this requirement, and therefore, cannot be used.)

Migration

This section describes changes that have taken place in each release that may require an action on your part if you have upgraded from an earlier version. If you are upgrading from a version older than the most recent release, view all of the sections listed below, back to the version you are upgrading from (for example, if you are upgrading from version 11.4.0, look at the following sections):

- [Version 11.9.0](#)
- [Version 11.8.0](#)
- [Version 11.4.1](#)
- [Version 11.4.0](#)

The following subsections provide the steps necessary to add new configuration parameters and user access profile entries to your custom application.

Adding New Configuration Parameters

To add parameters that are new in the release to your custom application's `config.xml` file, perform the following steps:

1. Open the `config.xml` file that was installed with the new release. This is a “template” file that is used for all new WCC projects you create using General Interface Builder. This file is located as follows:

```
WorkspaceDir\JSX\addins\wcc\projectTemplate\wccApp\config.xml
```

where *WorkspaceDir* is the workspace directory you specified when installing the components.

2. Open your custom WCC application's `config.xml` file. This file is located as follows:

```
WorkspaceDir\JSXAPPS\WCCProjectName\config.xml
```

where *WorkspaceDir* is the workspace directory used when the custom application was created, and *WCCProjectName* is the name you gave your WCC application when you created it in TIBCO General Interface Builder.

3. From the template file, locate and copy each of the desired new parameters and attributes and paste them into your custom application's configuration file.
4. Modify, if desired, the value of the newly added parameter or attribute.
For more information about setting parameter and attribute values, see the *TIBCO iProcess Workspace (Browser) Configuration and Customization* guide.
5. Save and close the configuration file.
6. Your custom application will need to be re-deployed before new parameters will take affect. For more information, see the *Deploying Your Custom Application* section in the *iProcess Workspace (Browser) Components Concepts* guide.

Adding New User Access Profile Entries

To add user access profile entries that are new in the release to your custom application's `userAccessProfiles.xml` file, perform the following steps:

1. Open the `userAccessProfiles.xml` file that was installed with the new release of the iProcess Workspace (Browser) components. This is a "template" file that is used for all new WCC projects you create using General Interface Builder. This file is located as follows:

```
WorkspaceDir  
\JSX\addins\wcc\projectTemplate\wccApp\userAccessProfiles.xml
```

where *WorkspaceDir* is the workspace directory you specified when installing the iProcess Workspace (Browser) components.

2. Open the `userAccessProfiles.xml` file used by your custom application. This file is located as follows:

```
WorkspaceDir\JSXAPPS\WCCProjectName\userAccessProfiles.xml
```

where *WorkspaceDir* is the workspace directory you specified when creating your custom application, and *WCCProjectName* is the name you gave the WCC project/application.

3. Copy the new user access profile entries that were added in the new release of the iProcess Workspace (Browser) components, and paste them into your custom application's `userAccessProfiles.xml` file.

4. Modify, if desired, the **state** attribute for the new entries, then save the file. For information about modifying user access profile entries, see the *TIBCO iProcess Workspace (Browser) Configuration and Customization* guide.
5. Your custom application will need to be re-deployed before new entries will take affect. For information, see the *Deploying Your Custom Application* section in the *iProcess Workspace (Browser) Components Concepts* guide.

Version 11.9.0

See the installation document to follow the steps to upgrade to 11.9.0.

Version 11.8.0

See the installation document to follow the steps to upgrade to 11.8.0.

Version 11.6.0

Upgrading to 11.6.0 does not require any additional migration. If a user is upgrading from a version prior to 11.4.1, they would follow all the migration steps given below for each version. If they are upgrading from 11.4.1, there are no additional migration steps.

Version 11.4.1

The following subsections describe changes that have been made in the 11.4.1 release that may require action if you are upgrading from a previous release.

New User Options

The following user options have been added to the **Options** configuration parameter in the 11.4.1 release:

- **forceWorkItemsThreshold**

- **forceCasesThreshold**

For information about adding these new user options to the **Options** parameter for your custom application, see [Adding New Configuration Parameters](#).

New Configuration Parameter

The following configuration parameter has been added in the 11.4.1 release:

- **externalLock** - This new parameter allows you to specify a delay (in milliseconds) after which the work item list is automatically refreshed when an external form is opened..

For information about adding this new parameter to your custom application, see [Adding New Configuration Parameters](#).

New User Access Element

The following user access element has been added in the 11.4.1 release.

- **<Procedure><ManageMER>** - This new user access element controls access to the **Manage Monitor Event Request** selection on the procedure list **Tools** menu.

For information about adding this new user access element to your custom application, see [Adding New User Access Profile Entries](#).

Version 11.4.0

The following subsections describe changes that have been made in the 11.4.0 release that may require action if you are upgrading from a previous release.

New Configuration Parameter

The following configuration parameter has been added in the 11.4.0 release.

- **PersonalWorkQueueOption** - This new parameter allows you to specify whether the logged-in user's personal work queue is shown or hidden by default..

For information about adding this new parameter to your custom application, see [Adding New Configuration Parameters](#).

New User Access Profile Entry

The following user access profile entry has been added in the 11.4.0 release.

- **<WorkQueue><PersonalWorkQueueOption>** - This new user access profile entry controls whether or not the user can change from the default setting specified in the **PersonalWorkQueueOption** configuration parameter.

For information about adding this new user access profile entry to your custom application, see [Adding New User Access Profile Entries](#).

Renamed Events

In the previous release, the event that was labeled “Open Case Outstanding Work Item(s)” in the General Interface Builder Event Editor for the following components was inadvertently causing the custom application to subscribe to the ‘openItems’ event, rather than the ‘openOutstandingItems’ event:

- **wccCases**
- **wccCaseDetail**
- **wccCaseOutstanding**

Therefore, if your custom WCC application subscribed to the event labeled “Open Case Outstanding Work Item(s)” in the Event Editor on one of these components, after upgrading the iProcess Workspace (Browser) components, you will need to open your application in General Interface Builder, then re-subscribe to the “Open Case Outstanding Work Item(s)” event.

If your application subscribed to the ‘openItems’ event in code (via the `PageBus.subscribe` method) on any of the three components listed above, you will need to modify the code to subscribe to the ‘openOutstandingItems’ event instead.

Also, if your custom application subscribed to the ‘openItems’ event in code (via the `PageBus.subscribe` method) on the **wccWorkItems** component, and the intent was to subscribe to the event published when an outstanding work item was opened via the work item list, you will need to modify the code to subscribe to the ‘openOutstandingItems’ event instead.

After making any of these changes to your custom WCC application, you will need to re-deploy the application.

For additional information about events published by each component, see the *iProcess Workspace (Browser) Components Concepts* guide.

Closed Issues

The following issues have been fixed in this release of TIBCO iProcess® Workspace (Browser).

Key	Summary
IPWB-467	The log4j JAR file is upgraded to 2.17.2 version.
IPWB-465	The iProcess ActionProcessor log files do not roll out after reaching the maximum log file size.
IPWB-464	When installing iProcess Workspace (Browser) Client 11.8.0 in Console mode, the installer displays incorrect example path.

Known Issues

Installation Directories not Removed After Uninstallation

After uninstalling TIBCO iProcess Workspace (Browser), the installation directories and files are not removed.

Differences in Installer Defaults

The following default values and functions during installation are different from version 11.4.1.

- On the Server Node Details screen, “Director” and “Persist User Preferences on Server” options are defaulted to True, while the default value for both options in version 11.4.1 was False.
- For the iProcess Server Objects Location option, a blank field is displayed while in version 11.4.1 , the pre-populated path was TOMCAT_HOME/lib.
- The environment variables are loaded before launching the installer but are not read by the installer.

TIBCO® General Interface Builder Does Not Include All Prototypes in the “Project Files” Palette

When you first open a WCC project in TIBCO General Interface Builder, some of the prototypes may not be shown in the “Project Files” palette. If this occurs, you will see an exception similar to the following in the GI Builder system log:

```
global (ERROR) - Uncaught Exception: Could not load 'dojo.data.ItemFileWriteStore';  
last tried './data/ItemFileWriteStore.js' (line: 15, file: )
```

```
at anonymous(_2c, _2d) { _2d=d._global_omit_module_check||_2d;var _2e=d._  
loadedModules[_2c];...
```

The workaround is to open the prototype using the “Open file” tool on the “Project Files” palette.

The .NET Action Processor Must be Uninstalled Before Upgrading to 11.9.0

If you had a previous version of the .NET Action Processor installed, and you are upgrading to the 11.9.0 version of the .NET Action Processor, you *must* uninstall the .NET Action Processor before installing version 11.9.0.

i Note: However, if you had made any changes to the previously installed .NET Action Processor's `apConfig.xml` file, back up that configuration file before uninstalling the .NET Action Processor. For more information, see the *Upgrading From Previous Versions* section in the *TIBCO iProcess Workspace (Browser) Installation* guide. (You do not need to uninstall a previous version of the Java Action Processor before an upgrade.)

For information about uninstalling, see the *Removing the iProcess Workspace (Browser)* chapter in the *TIBCO iProcess Workspace (Browser) Installation* guide.

Error Reported When Saving New GUI Component in WCC Project

The following error is displayed in TIBCO General Interface Builder when creating a new GUI component in a WCC project.

```
"Uncaught Exception: 'r.getServer()' is null or not an object"
```

This error is generated when a new component is saved with the "Save and Reload" option and an existing component file is selected to be overwritten.

This error requires a fix to TIBCO General Interface Builder. It does not prevent you from successfully completing the WCC project.

Forms Opened in Firefox May Not Open Full Screen

If you set the user option to open work item forms in a separate browser window, and you check the option to open the forms in "Full Screen", the forms may not always open full screen when using Mozilla Firefox. Certain add-on menus and toolbars affect the size of the form and prevent it from opening full screen.

Also, when a form is opened under the circumstances described above, the buttons on the form may not be visible. To make them visible, click on the maximize icon in the upper right portion of the window.

Users Disabled on LDAP Server Can Still Log In

There is a known issue that allows users that have been disabled on Active Directory on an LDAP server to still be able to log in to the TIBCO iProcess Workspace (Browser). The LDAP API allows certain access (query, comparing password, etc.) to users that have been disabled.

Case Data Unavailable Through Methods

The **Data** button, which is used to update case data, is not available on the **Events** nor the **Process Jump** dialog when those dialogs are displayed via the **triggerEvent** and **processJump** WCC methods, respectively.

If access to case data is needed, it can be accessed via the **CaseData** component.

For information about the WCC methods and components, see the *TIBCO iProcess Workspace (Browser) Component Reference*.

Cannot Operate Across Domains

The default security settings in iProcess Workspace (Browser), Firefox and Internet Explorer do not allow JavaScript to access a different domain than the one from which the page was served — also called cross-domain scripting. This means they will not allow an XMLHttpRequest call to a domain that is different from the domain of the hosted JavaScript.

For Internet Explorer this issue affects calls to different hosts, but not to different ports on the same host.

For Firefox, this setting prevents calls to different ports on the same host. Therefore, if you are using the default security settings in Firefox, your client application, the Action Processor, and the WebDAV Server (applicable only if you are using TIBCO Forms) must not only be running in the same domain but must also be using the same port number.

Note that both browsers consider “localhost” and 127.0.0.1 to be in different domains. For instance, if you set the Action Processor URL to “localhost”, then try to run the client application using the actual host name or 127.0.0.1, it will not work.

Rounding of Large Values May Occur

Because of the data types used in the iProcess Server Objects (which are used by the iProcess Workspace (Browser)), rounding may occur in data fields that contain very large

numbers. The floating point precision provided in the data types used is 15-17 digits of accuracy.

Java Heap Space Error

If you are running a Java Action Processor in Tomcat, and receive a “Java heap space” error message when attempting to display a list that contains a large number of items (10000+), you will need to do the following:

Modify the **EXECJAVA** statement in the **catalina.bat** file (Windows) or **catalina.sh** file (UNIX) to include the **-Xms** and **-Xmx** parameters. For example:

```
%_EXECJAVA% %JAVA_OPTS% %CATALINA_OPTS% %DEBUG_OPTS% -Xms1024m -
Xmx1024m -Djava.library.path="C:\Java\Tomcat55\shared\lib" -
Djava.endorsed.dirs="%JAVA_ENDORSED_DIRS%" -classpath "%CLASSPATH%" -
Dcatalina.base="%CATALINA_BASE%" -Dcatalina.home="%CATALINA_HOME%" -
Djava.io.tmpdir="%CATALINA_TMPDIR%" %MAINCLASS% %CMD_LINE_ARGS% %ACTION%
```

This sets the minimum Java heap and the maximum Java heap to 1 GB.

Popup Blockers May Cause Problems

If the system on which you are running the TIBCO iProcess Workspace (Browser) has a popup blocker installed and running, it may interfere with the proper operation of forms that open in a separate browser window. You may see problems such as the form not displaying in the browser window, form buttons not performing their intended functions, the work item list not updating properly, etc.

Graphical Case History May Be Incorrect for Grafted Sub-Cases

When viewing the graphical case history for a case that contains grafted sub-cases, the start and end times for the grafted sub-cases may not be correct if the sub-cases are not uniquely named.

The workaround for this known issue is to use unique names for grafted sub-cases, or to use the non-graphical history display.

Drill-Down Limitation for Sub-Cases in Case History

There is an issue with drilling down further than approximately 17 nested sub-cases in the case history. If the hierarchy extends further than 17 nested sub-cases, you will not be

able to drill down any further. You may also experience a gap in the case history display.

Note that this known issue does not effect the graphical case history. Therefore, the workaround for this known issue is to use the graphical case history if the case history contains a large number of nested sub-cases.

Unsupported Form Functionality

If you are using forms created with the TIBCO iProcess Modeler, the following iProcess Form elements are not supported by the iProcess Form Translator. (In some cases, the HTML generated for the iProcess Form can be customized to gain the functionality — for information, see the *Customizing iProcess Modeler Forms* chapter in the *TIBCO iProcess Workspace (Browser) Configuration and Customization* manual.)

- Items that require client-side evaluation of iProcess expressions (formerly called Staffware expressions). These include:
 - Conditional display of rows - Simple evaluator expressions are supported for conditionals, but not expressions that contain evaluator functions.
 - Expressions used as validation items - Simple expressions are supported, but not those containing evaluator functions.
 - Hidden fields where the calculated value might change when data on the form is changed. Note, however, that the initial value for hidden fields is calculated server side. So as long as the value won't change interactively, hidden fields will work as expected.
 - Calculated fields - The iProcess Objects Server will calculate an initial value for a calculated field, but the field data will not dynamically update as other values on the form are changed.
- Scripts - The initial, keep, and release code including scripts will be executed by the iProcess Objects Server. Individual script functions and calls to other scripts elsewhere on the form are not supported.
- Application field - Application fields will appear as a button that displays a message indicating application fields are not supported in the TIBCO iProcess Workspace (Browser).
- Interactively changing an array index - An array index and an array field can be displayed on the form but changing the index will not switch the array field value.
- Composite Tables
- Ampersand commands

- “Use” files

Also, the following are limitations that apply to items used as validation list names or validation items:

- SW_GROUPS - When used as a validation list, this may not return all groups if some groups do not currently contain members.
- SW_GRP_<groupname> - When used as a validation list, this may not return all group members if the user rights do not allow it.
- SW_STARTER:*, SW_GROUP:*, and SW_USER:* attributes (NAME, DESCRIPTION, LANGUAGE, MENU_NAME, etc.) are not available on iProcess Modeler forms if you are using an iProcess Engine older than version 10.6. These attributes are available when using a version 10.6 iProcess Engine.

Security Warning in Microsoft Internet Explorer

If you are running the TIBCO iProcess Workspace (Browser) in Microsoft Internet Explorer you may see the following message (at the top of the browser window) when starting the application: *“To help protect your security, Internet Explorer has restricted this file from showing active content that could access your computer. Click here for options...”*

You can avoid this warning by navigating to the following in the browser:

Tools > Internet Options > Advanced

...and scrolling down to the Security section, then checking the following:

“Allow active content to run in files on My Computer”

MultipleLogins Must be Enabled

The **MultipleLogins** flag in the TIBCO iProcess Objects Server must be enabled. If multiple logins is disabled, lists in the TIBCO iProcess Workspace (Browser) fail to display, and an error similar to “**Error encountered reading Procid values**” is displayed.

For information about setting the **MultipleLogins** flag, see the *TIBCO iProcess Objects Server Administrator’s Guide*.

Error Returned If Administering Empty Group Queue

Attempting to administer redirection or participation schedules for a group work queue that does not have any members causes a “No member in group queue” error message to be displayed. Ensure that all group queues you administer have a least one member.

TIBCO Business Studio™ Forms

This section lists closed issues and known issues that are specific to TIBCO Business Studio Forms.¹

This information is included in these release notes because the TIBCO iProcess Workspace (Browser) application is where you will see TIBCO Business Studio Forms.

TIBCO Business Studio Forms Closed Issues

No issues have been closed in this release of TIBCO Business Studio Forms.

TIBCO Business Studio Forms Known Issues

The following issues exist in this release related to TIBCO Business Studio Forms.

Defect #	Summary/Workaround
IPWB-460	<p>Summary: Business Studio Forms deployment is not supported on Tomcat 9.x, even though iProcess Workspace (Browser) is supported on Tomcat 9.x.</p> <p>Workaround: Use Tomcat 8.x for TIBCO Forms deployment from TIBCO Business Studio and move them manually to 9.x folder where iProcess Workspace (Browser) is deployed.</p>
FORM-5103	<p>Summary: If the user invokes <code>List.remove()</code> method on the List object bound to the value of a record pane, the record is removed from the list. However, the index of the selected record and total number of records shown in the navigator are not updated.</p> <p>Workaround: If you click any of the navigator icons like first, last, next or</p>

¹“Business Studio Forms” and “TIBCO Forms” are synonymous.

Defect #	Summary/Workaround
	previous, the index of the selected record and number of records are updated properly in the navigator.
FORM-5101	<p>Summary: If a user invokes <code>List.clear()</code> method on the List object bound to the value of a record pane, all records are removed from the list. However, the index of the selected record and total number of records shown in the navigator is not updated to zero.</p> <p>Workaround: If you click any of the navigator icons like first, last, next or previous, the index of the selected record and number of records are updated properly in the navigator.</p>
FORM-5028	<p>Summary: The default values added to the List control of type Time are not submitted by the form to the iProcess server.</p> <p>Workaround: You need to change the default values added to the List control of type Time so that their values are submitted by the form.</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)' change, the consequential 'unresolved reference' problem markers may not appear. This will happen if these references had already been loaded into memory.</p> <p>For further information, refer <i>Forms User's Guide > Concepts > Cross-Resource References</i>.</p> <p>Workaround: Restart TIBCO Business Studio and clean+rebuild the project(s) containing the referencing form(s).</p>
FORM-4386	<p>Summary: An embedded form does not work within a record pane when a parameter on the embedded form is bound to a child object of the record pane selection. The embedded form will be displayed, but no data are shown for the record. This only affects TIBCO GI forms; GWT forms do not have this problem.</p> <p>Workaround: You can construct the record pane so that the type of object bound to the record pane value is the same as that of the parameter in the embedded form to which you are binding. That is, do not bind to a child of the record pane selection, but bind to the actual selection value itself.</p>

Defect #	Summary/Workaround
FORM-4117	<p>Summary: Fixed point decimal values are not handled at runtime. Even if a number is configured as a fixed point decimal, it is treated as a floating point number in the runtime.</p> <p>Workaround: None.</p>
FORM-4106	<p>Summary: The names of form files do not support multi-byte characters.</p> <p>Workaround: Use only ASCII characters when naming User Tasks and form files.</p>
FORM-3983	<p>Summary: Even though business object models support the full XSD regular expression, the TIBCO GI runtime only supports the subset that is supported in Java-Script regular expressions. That means the following syntax will not work in validations for TIBCO GI forms:</p> <p>\d - shorthand for digits (only ascii characters supported)</p> <p>\w - shorthand for word characters (only ASCII characters supported)</p> <p>\p{L} through \p{C} - (Unicode properties)</p> <p>\p{Lu} through \p{Cn} - (Unicode property)</p> <p>\p{IsBasicLatin} through \p{IsSpecials} (Unicode block)</p> <p>\P (negated variants of all \p as listed above)</p> <p>\i, \I, \c, and \C shorthand XML name character classes</p> <p>[abc-[abc]] - character class subtraction</p> <p>This will typically only be a problem for imported XSD schemas that use any of the above constructs</p> <p>Workaround: If the form is being targeted towards a TIBCO GI runtime, the pattern constraint can be removed or modified in the Advanced Settings tab for the attribute in the BOM modeler.</p>
FORM-861 1-8RV30X	<p>Summary: A computation action script consisting of an array literal is incorrectly flagged with a problem marker: The script for action 'xxx' contains a syntax error at line 1 column 1: unexpected token: [</p> <p>Workaround: In the computation action script, first assign the array literal to a</p>

Defect #	Summary/Workaround
	<p>local variable, then return the value of the local variable, thus:</p> <pre>var labels = ['One', 'Two']; labels;</pre>
FORM-3345	<p>Summary: After a control is deleted in an auto-generated form, a warning problem marker appears on the form stating that the form "user interface is out of sync."</p> <p>Workaround: The warning does not have any affect on deployment or the runtime functionality of the form. However, to suppress the warning, under Window > Preferences > Form Designer > Errors/Warnings > Process Synchronization > (summary) Forms User Interface should match its source interface, change the reporting level to Ignore.</p>
FORM-3309	<p>Summary: Specific to TIBCO GI forms. For a RadioGroup control, if a custom font setting is used for the choice labels, the displayed text of the labels may be clipped. This only occurs in Firefox.</p> <p>Workaround: Use the default font for the choice labels of the RadioGroup control.</p>
FORM-3203	<p>Summary: Specific to Workspace while using TIBCO GI forms and iProcess Workspace (Browser). For a grid pane that does not have a binding, programmatic updates to the List for that grid pane will not be reflected in the UI.</p> <p>Workaround: After making changes to the List object, invoke <code>pane.<gridpaneName>.setValue(list)</code>, passing in the updated List object.</p>
FORM-3200	<p>Summary: Specific to Workspace while using TIBCO GI forms and iProcess Workspace (Browser). The layout property for radio groups will not be honored if that radio group appears in a horizontal pane.</p> <p>Workaround: None.</p>
FORM-2558	<p>Summary: Form Preview may not open on Linux.</p> <p>Workaround: TIBCO Business Studio is based on Eclipse-3.4, which has a</p>

Defect #	Summary/Workaround
	<p>known issue with XulRunner-1.9+ on Linux:</p> <div data-bbox="418 369 1250 436" style="background-color: #e6f2ff; padding: 10px;"> https://bugs.eclipse.org/bugs/show_bug.cgi?id=262929 http://www.eclipse.org/swt/faq.php#howdetectmozilla </div> <p>The issue does not always surface but when it does it can completely prevent Business Studio from launching. Known workarounds include:</p> <ol style="list-style-type: none"> 1. export GRE_HOME=/dev/nul 2. export MOZILLA_FIVE_HOME=/dev/nul 3. in TIBCOBusinessStudio.ini: – Dorg.eclipse.swt.browser.XULRunnerPath=/dev/nul <p>It may also be necessary to increase the maximum open file handles to allow TIBCO Universal Installer and TIBCO Business Studio to run. For example, add these entries to /etc/security/limits.conf then restart the system:</p> <ul style="list-style-type: none"> • soft nofile 4096 • hard nofile 4096 <p>However, when the above XulRunner workaround was active an SWTError prevented Form Designer from opening.</p> <p>Business Studio now logs a single message per session to the Error Log and disables the preview tab. Forms design can proceed normally but preview functionality is disabled for the session.</p>
FORM-1838	<p>Summary: The Forms runtime does not handle validation for the multiplicity of child relationships in the BOM. If a parent defines a relationship with a multiplicity of other than *, the Forms runtime will not validate that the correct number of children are present in the relationship. This would most commonly be seen on a relationship that specifies a multiplicity of 1..*. In that case, it is possible to submit a form where there are no children present in the relationship, resulting in validation error being returned from the Action Processor.</p> <p>Workaround: Avoid specifying multiplicity constraints of 1..*, or if you do, ensure that at least one child is present by manually adding a validation</p>

Defect #	Summary/Workaround
	constraint on one of the form controls that is set to be evaluated on submit.
1-9H3QR0 (FORM-1543)	<p>Summary: The width and height are not respected for image controls when viewed in Firefox.</p> <p>Workaround: Do not specify width and height, and instead resize the image to the desired dimensions before including in the form.</p>
1-9F64L1 (FORM-1448)	<p>Summary: Option list controls that have the flag Allow Multiple Selections enabled will not initially render correctly in the TIBCO GI Preview mode on Linux. The option values will initially show empty until one of the items is selected.</p> <p>Workaround: None</p>
1-9E52H7 (FORM-1398)	<p>Summary: Updating the value of controls within actions triggered by the Enter or Update events of that control may result in an infinite loop.</p> <p>Workaround: Refrain from updating the value of the source control within these actions.</p>
1-8ZK0QL (FORM-1062)	<p>Summary: Specific to Workspace and iProcess Workspace (Browser). Loading of Forms properties files in Firefox will result in a denial of UniversalBrowserRead privileges. No localized resources will be loaded in this case. This will happen if the iProcess Workspace (Browser) and the WebDAV server are installed on different hosts or ports.</p> <p>Workaround: Ensure that the iProcess Workspace (Browser) and WebDAV are installed on the same server and port, and when specifying the WebDAV root in iProcess Workspace (Browser), do not use the host name. For example, the WebDAV root should be specified as "/webdav/Forms".</p>
1-8ZDLZI (FORM-1056)	<p>Summary: When viewing the form preview on Linux, the bottom of the form will be clipped by the portion of the preview application that shows the submitted parameters. This only happens with the Firefox browser, which is used to preview forms on the Linux platform.</p> <p>Workaround: Workaround: An alternate preview application is shipped as part of the TIBCO GI preview plug-in. You can enable this by following the following</p>

Defect #	Summary/Workaround
	<p>steps:</p> <ol style="list-style-type: none"> 1. Shut down TIBCO Business Studio if it is running. 2. Find the install directory for the TIBCO GI Preview plugin. This can be found under <div data-bbox="493 539 1352 604" data-label="Text"> <pre>[TIBCO_HOME]/studio/3.1/studio-addins/eclipse/plugins/com.tibco.xpd.forms.gi.preview_2.0.0.xxx</pre> </div> <p>“xxx” corresponds to a 3 digit build number (e.g. 009)</p> 3. Find the preview application directory, at the path: <div data-bbox="412 806 1325 900" data-label="Text"> <pre>[TIBCO_HOME]/studio/3.1/studio-addins/eclipse/plugins/com.tibco.xpd.forms.gi.preview_2.0.0.xxx/gi-apps/harness/JSXAPPS/studioformviewer</pre> </div> 4. Within this directory, rename appCanvas.xml to appCanvas_IE.xml. 5. Within this directory, rename appCanvas_Firefox.xml to appCanvas.xml. 6. Restart TIBCO Business Studio.
1-8Y0IIN (FORM-1000)	<p>Summary: In Firefox, horizontal panes that do not inherit Font properties may not display properly. In this case, the background color for the pane will not cover the entire height of the pane, and panes below the horizontal pane may cover up part of the horizontal pane.</p> <p>Workaround: Specify a fixed height for the horizontal pane.</p>
1-8NZYJR (FORM-653)	<p>Summary: When setting the background color of a control, the design time sets the color of the entire control, including the label. The runtime sets the background color only on the field itself. The runtime is applying the color incorrectly.</p> <p>Workaround: None.</p>
1-8MWS6Q	<p>Summary: Panes that are direct children of the form object do not make use of</p>

Defect #	Summary/Workaround
(FORM-578)	<p>the label position set in the Child Labels section of the Form. By default, root panes have their labels displayed in the top position.</p> <p>Workaround: Add a root vertical pane to the Form, uncheck the label visibility for that pane, and nest remaining panes within that single root pane. The label position for all child panes can then be set within the single root pane.</p>

TIBCO Documentation and Support Services

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

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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.

Product-Specific Documentation

Documentation for TIBCO iProcess® Workspace (Browser) is available on the [TIBCO iProcess® Workspace \(Browser\) Product Documentation](#) page.

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

- *TIBCO iProcess® Workspace (Browser) Release Notes*
- *TIBCO iProcess® Workspace (Browser) Installation*
- *TIBCO iProcess® Workspace (Browser) User Guide*
- *TIBCO iProcess® Workspace (Browser) Action Processor Reference*
- *TIBCO iProcess® Workspace (Browser) Components Concepts*
- *TIBCO iProcess® Workspace (Browser) Components Reference*
- *TIBCO iProcess® Workspace (Browser) Configuration and Customization Guide*
- *TIBCO iProcess® Workspace (Browser) Integrating TIBCO Forms 2.1.x with GI Applications*

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