



TIBCO iProcess® Workspace (Windows)

Release Notes

*Version 11.9.0
August 2022*



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New Features

The following new features have been added since release 11.6.0 of this product.

Release 11.9.0

The following features have been added in this release of TIBCO iProcess® Workspace (Windows).

Modeler Enhancements

This release of TIBCO iProcess® Workspace (Windows) has a new UI when defining a step. The UI now has Property pane instead of a Dialog paradigm, which allows the step information to be visible all the time while editing on the map. You require fewer clicks to view and modify the Step properties. This feature also includes auto-hide functionality i.e., when you do not select or move a step, the pane automatically hides itself to provide maximum screen space.

New Script Editor

This release of TIBCO iProcess® Workspace (Windows) supports new script editor for both EAISCRIP and Script steps. The script editor has the following features:

- Improved look and feel
- Support for Bookmarks, Expand, and Collapse blocks
- Intellisense for expressions
- Field list pop-up to make field selection faster
- Automatic syntax checking that highlights any lines with syntax errors immediately and shows when they are fixed

Redesigned EAIDB Step

This release of TIBCO iProcess® Workspace (Windows) supports switching the focus from user-driven input to database-driven input. The redesigned EAIDB step has similar UI. But, the design-time step can access the database when editing, to present you with the following validated input or lists:

- List of callable stored procedures
- List of parameters and type for a given stored procedure
- The Signature box, which shows what parameters have been set and not and highlights errors
- The **Input/Output** tab to provide better feedback on what the parameters are, what parameters are mandatory, and which are optional
- Input parameters can now be mapped to an iProcess Expression instead of a case field
- Support for Global Variables as the Database and/or Schema name.

For more information, see *TIBCO iProcess Database Plug-in Guide*.

Support for New Expressions

This release of TIBCO iProcess® Workspace (Windows) supports new expressions such as XMLDATA2STR, STR2XMLDATA, DATETIME2STR, STR2DATE, STR2TIME, GLOBALVARIABLE, FINDCASES, and GETCASE. For more information, see *TIBCO iProcess Expressions and Functions Reference Guide*.

Support for ASLR

This release of TIBCO iProcess® Workspace (Windows) supports address space layout randomization (ASLR). For more information, see *TIBCO iProcess Engine Administrator's Guide*.

Release 11.8.0

The following are new features in this release.

Support for Platform

From this release, Microsoft Windows Server 2019 (64 Bit) is supported.

Updated Installer

From this release, the installer has been updated to InstallShield 2019.

Customer Written Applications

If you have created any customized applications such as, NPSAL or JAVA plug-in applications, you must update your applications to 64-bit, for the applications to run seamlessly.

Support for Java 11

From this release, Java 11 Support is provided for iProcess Workspace (Windows).

Migrate to 64-bit

As of release 11.8.0, iProcess Workspace (Windows) has been migrated to a 64-bit architecture.

Release 11.7.0

The following are new features in this release.

Restriction for Non-Admin Users to See All Queues When Forwarding Work Items

From this release, when forwarding work items, the option to deselect the **Restrict list to ONLY show queues that you are a member of** can be disabled. This restricts non-admin users to view only those queues for which they are members.

To enable this feature, run the following command in the swadm utility:

```
swadm set_attribute 1 ALL 1 ONLY_ADMIN_SHOW_ALL_QUEUES 1
```

For more information on how to use the swadm utility, see *TIBCO iProcess Engine Administrator's Guide*.

Release 11.6.1

The following is the new feature in this release.

Support for Wildcard Searches for the WINEXIST Function

From this release, the WINEXIST function is enhanced to support wildcard searches.

Release 11.6.0

The following are new features in this release.

Support for System Platform

From this release, Microsoft Windows 10 (64-bit) is supported.

Support for Java Version

From this release, Java Standard Edition 8 is supported.

Deprecated and Removed Features

This section describes any features that have been deprecated or removed since release 11.5.0 of this product.

For deprecated features, if relevant, useful alternative to the deprecated features are listed. 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.

Release 11.9.0

No features have been deprecated or removed as of this release of TIBCO iProcess® Workspace (Windows).

Release 11.8.0

No features have been deprecated or removed as of this release of TIBCO iProcess® Workspace (Windows).

Release 11.7.0

No features have been deprecated or removed as of this release of TIBCO iProcess® Workspace (Windows).

Release 11.6.1

Deprecated Features

The following features are deprecated in this release of TIBCO iProcess® Workspace (Windows).

- TIBCO iProcess Objects (COM)
- TIBCO iProcess Objects (Java)

Release 11.6.0

No features have been deprecated or removed as of this release of TIBCO iProcess® Workspace (Windows).

Compatibility

In addition to other releases of TIBCO iProcess® Suite components, the following TIBCO products have been successfully tested for compatibility with iProcess Workspace (Windows) Release 11.9.0.

Product	Version(s)
TIBCO iProcess® Workspace Plug-ins	Versions 11.9.0
TIBCO iProcess® Engine	Versions 11.9.0
TIBCO iProcess® Technology Plug-ins	Versions 11.9.0



Note: TIBCO iProcess Workspace (Windows) 11.9.0 is not compatible with TIBCO iProcess Web Services Client Plug-in version 10.6.0.

If you have any queries regarding product compatibility with this version of iProcess Workspace (Windows), contact TIBCO Support for further assistance.

Change History

The following JIRA issues and Modification Requests (MRs) have been implemented since release 11.5.0 of TIBCO iProcess Workspace (Windows).

Release 11.9.0

Defect #	Summary
IPWW-513	The EncodeToUTF8 method fails to identify the correct charset converter, which leads to an unpredicted translation from US-ASCII into UTF8.
IPWW-478	TIBCO iProcess® Workspace (Windows) requires a new propertiesheet to create or edit steps.
IPWW-470	When editing a procedure, TIBCO iProcess® Workspace (Windows) crashes on selecting Procedure > Public Steps .
IPWW-452	The EAIScript client plug-in implements new features such as color-coded keywords, line numbers, expand or Collapse blocks, and Intellisense tooltips.
IPWW-449	The iProcess Workspace (Windows) 11.8.0 Client crashes when you try to upgrade from the iProcess 11.5.0 to 11.8.0 version, and the procedure uses DDE to send data to excel.
IPWW-437	After downloading a procedure in HTML format, unable to view it in the Chrome or Firefox browsers.

Release 11.8.0

Defect #	Summary
IPWW-413	Rename registry names from "Staffware" to TIBCO iProcess or appropriate ProductName

Release 11.7.0

Defect #	Summary
IPWW-387 (Parent JIRA IPE-4614)	When defining a step in a procedure, only 10 field addressees were saved. This has been fixed by increasing the number for field addresses to 50.
IPWW-376 (Parent JIRA IPWW-372)	If you used a dual screen, repositioned the iProcess Workspace (Windows) client to the extended screen and later switched to a single screen, the iProcess Workspace (Windows) client did not appear after performing a successful login.

Release 11.6.1

Defect #	Summary
IPWW-316 (Parent JIRA IPE-317)	TIBCO iProcess Workspace (Windows) could not connect to TIBCO iProcess Engine if the hostname was longer than 32 characters.
IPWW-314	If you imported an XDPL procedure via the TIBCO iProcess Modeler, the

Defect #	Summary
	form got corrupted and the form contents were replaced by the contents of the form script calls.
IPWW-312 (Parent JIRA IPE-311, IPE-313)	If you started a case that called putdata from the npsal library, entered the case description and some value in the Text1 field, and clicked Keep, you would get the following error: return from putdata (SW_CASEDESC) : -1" and then "return from putdata (TEXT1) : -1
IPWW-309	In TIBCO iProcess Modeler, when you sorted the list by the 'by type' filter, the steps of type 'Transaction Control' were not listed.

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Defect #	Description
IPWW-306	Failed to export libraries using the cutil command.
IPWW-307	If a group name exceeded 24 characters, the group name was not completely displayed in the Group Membership window.

Restrictions

The table in this section lists known restrictions in this release.

Defect #	Summary/Workaround
IPE-3113	<p>Summary An error occurs when loading XPDL for a procedure library with any new functionality into TIBCO iProcess Workspace (Windows), if the procedure library is saved as XPDL from a later version of TIBCO iProcess Engine, and loaded into an earlier version of TIBCO iProcess Engine.</p> <p>Workaround TIBCO does not recommend that you import procedures, which are exported from a later version of TIBCO iProcess Engine, to an earlier version of TIBCO iProcess Engine.</p> <p>For more information, see <i>TIBCO iProcess swutil and swbatch Reference Guide</i>.</p>
MR 30723	<p>Summary When performing a workitem filter on CDQP data if there is an AND/OR condition in the statement then the data is not being returned correctly for time, numeric and date CDQPs. Text based CDQPs are working correctly but all others are returning 0 cases when the conditions are valid.</p> <p>Workaround None.</p>
CR 18614	<p>Summary When you log in to the iProcess Client (Windows) test queues are not displayed in Work Queue Manager.</p> <p>Workaround Select your personal work queue and press F5. The Rebuild List button appears. Click Rebuild List and the test queues are displayed.</p> <p>Note: Although the effect of the problem is visible in Work Queue Manager, CR 18614 is actually an iProcess Engine problem.</p>
CR 12961	<p>Summary The following iProcess Expressions are currently not available to the iProcess Script Server Plug-in. Therefore, even though you can successfully enter the expressions in your iProcess Script plug-in definition,</p>

Defect #	Summary/Workaround
	<p>they are not processed by the iProcess Engine. All of the following expressions return SW_NA (except GOTOSTEP, which has its own error code).</p> <ul style="list-style-type: none"> • CASESTART • DBWRITEFIELDS, DDEGETNAME, DDEGETTOPIC, DDEINITIATE, DDEPOKE, DDETERMALL, DDETERMINATE, DDEEXECUTE, DDEREQUEST • FILEREQUEST, FORMCONTROL, FORMMAXIMIZE, FORMMINIMIZE, FORMMOVE, FORMRESTORE, FORMSIZE • GETHANDLE, GOTOSTEP • MARKFIELDCHANGED, MEMOFILE, MESSAGEBOX • READFIELDS • SENDKEYS, SERVEREXEC, SERVERRUN • TRIGGEREVENT • UNIXEXEC, UNIXRUN • VLDFILE, VLDFILEX, VLDQUERY • WINACTION, WINACTIVATE, WINCLOSE, WINEXIST, WINFIND, WINMAXIMIZE, WINMESSAGE, WINMINIMIZE, WINMOVE, WINRESTORE, WINRUN, WINSIZE, WRITEFIELDS <p>The following iProcess data fields are not available:</p> <ul style="list-style-type: none"> • SW_USER:<i>attribute</i> • SW_GROUP:<i>attribute</i> • SW_IP_<i>work item priority fields</i> <p>Workaround None.</p>
CR 12037	<p>Summary You must not use any of the following special characters when naming new groups, roles, lists, or tables using the TIBCO iProcess Administrator:</p>

Defect #	Summary/Workaround
	" \ / [] : ; = , + * ? < > @ \0 "
	Workaround None.

Known Issues

The following issues exist in this release of TIBCO iProcess® Workspace (Windows).

Summary

Summary TIBCO iProcess Workspace (Windows) 11.8.0 is not compatible with TIBCO iProcess Web Services Client Plug-in version 10.6.0

Workaround

Summary TIBCO iProcess Web Services Client Plug-in version 10.6.0 is not compatible with new TIBCO iProcess Workspace (Windows) 11.8.0. Due to this, the design time web services client plug-in will not work.

Workaround Use TIBCO iProcess Workspace (Windows) 11.7.0 with Web Services Client Plug-in to modify or design any procedures with Web Services step (connecting to latest IProcess Engine).

Summary When importing users without user descriptions in the XFR file through TIBCO iProcess Administrator, the imported users can not be used to log into TIBCO iProcess Workspace (Windows).

Workaround When importing users through TIBCO iProcess Administrator, import users with user descriptions in the XFR file.

Summary Matching a single non-ASCII character in Work Queue Manager filter criteria

In Work Queue Manager, when you filter cases you can use a question mark character (?) in your filter criteria as a wildcard to match any one character at the position where the wildcard is included. However, if the handles multi-byte character sets such as Chinese, Japanese and Korean, the single character wildcard (?) will not match any multi-byte character, because Work Queue Manager treats all the string as a byte stream.

When filtering cases, if you need to match a single non-ASCII character in your filter criteria you must do one of the following:

- specify the non-ASCII character explicitly, or

Summary

- use two single-character wildcards (??) for matching a 2 byte character, or
- use the asterisk (*) wildcard, which matches zero or more characters at the position where the wildcard is included.

Summary Cut, copy, and paste keyboard shortcuts do not work in private scripts

When you are editing a private script in the iProcess Modeler, the keyboard shortcuts to cut (CTRL-X), copy (CTRL-C) or paste (CTRL-V) do not work. If you want to use these functions, you must select the **Cut**, **Copy**, and **Paste** options from the **Edit** menu instead.

Summary Multiple Plug-in installations can corrupt SW_CLIENTCLASSPATH

When installing iProcess Client plug-ins, the SW_CLIENTCLASSPATH environment variable can occasionally become corrupted. This can occur when multiple installations have taken place on the same machine (but possibly against multiple iProcess Modeler installations). Each installation of an iProcess Client plug-in adds information to the SW_CLIENTCLASSPATH variable and following multiple installations the Windows limit of 1024 characters for environment variables can be exceeded. This results in plug-ins failing to initialize and being inoperable when using the iProcess Modeler.

A further complication can occur in that on occasions when uninstalling an iProcess Client plug-in the entries added to the SW_CLIENTCLASSPATH environment variable are not removed.

As a workaround to the problem you can manually edit the SW_CLIENTCLASSPATH variable to include references to one instance only of each of the following:

- The **log4j** library
- The bootstrap library **webservices_bootstrap_library.jar** from the Web Services plug-in
- The bootstrap library *product_bootstrap_library.jar* from any one of the products listed below that is installed on your system, other than the Web Services plug-in

The following iProcess Client plug-ins are affected by this problem:

- TIBCO iProcess® Java Client Plug-in
 - TIBCO iProcess® BusinessWorks™ Client Plug-in
 - TIBCO iProcess® Decisions Client Plug-in
-

Summary

- TIBCO iProcess® XML Transform Client Plug-in
 - TIBCO iProcess® Web Services Client Plug-in
-

Other Information

Enabling or Disabling Prediction on a Procedure Only Affects Background Case Prediction

In the **Procedure Manager**, you can enable or disable the use of case prediction for a procedure (or sub-procedure). You do this by setting or clearing the **Prediction** flag on the Status tab of the **Procedure Properties** dialog box.

However, you should note that doing this only affects the use of background case prediction. Background case prediction is performed by the case prediction server process (**BGPREDICT**) on the iProcess Engine. TIBCO iProcess™ Objects, TIBCO iProcess™ Server Objects or SAL applications can still perform live case prediction or case simulation on this procedure, whether or not the **Prediction** flag is set.

Discrepancy in the Display of Large Decimal Numbers

A discrepancy can exist in the display of large decimal numbers as field data in the iProcess Workspace (Windows). This is because numeric field data is converted to floating point format and then back into decimal format. The error affects the least significant digit. For example, the number 4444444444444444.44 could be displayed as 444,444,444,444,444.43.

TIBCO Documentation and Support Services

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

How to Access TIBCO Documentation

Documentation for TIBCO products is available on the [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

The following documentation for this product is available on the [TIBCO iProcess® Workspace \(Windows\) Product Documentation](#) page:

- *TIBCO iProcess® Workspace (Windows) Release Notes*

Read the release notes for a list of new and changed features. This document also contains lists of known issues and closed issues for this release.

- *TIBCO iProcess® Workspace (Windows) Installation*

Read this manual for instructions on site preparation and installation.

- *TIBCO iProcess Suite Documentation Library*

This library contains all the manuals for TIBCO iProcessWorkspace (Windows), TIBCO iProcess® Modeler, and other TIBCO products in TIBCO iProcess Suite. The manuals for TIBCO iProcess® Workspace (Windows) and TIBCO iProcess® Modeler are the following:

- *TIBCO iProcess Workspace (Windows) User Guide*
- *TIBCO iProcess Modeler Getting Started*
- *TIBCO iProcess Modeler Procedure Management*
- *TIBCO iProcess Modeler Basic Design*

- *TIBCO iProcess Modeler Advanced Design*
- *TIBCO iProcess Modeler Integration Techniques*
- *TIBCO iProcess Expressions and Functions Reference Guide*
- *TIBCO iProcess Workspace (Windows) Manager's Guide*
- *TIBCO iProcess COM Plug-in User Guide*
- *TIBCO iProcess Database Plug-in User Guide*
- *TIBCO iProcess Email Plug-in User Guide*
- *TIBCO iProcess Script Plug-in User Guide*
- *TIBCO iProcess Plug-in SDK User Guide*

Other TIBCO Product Documentation

When working with TIBCO iProcess® Workspace (Windows), you may find it useful to read the documentation of the following TIBCO products:

- TIBCO ActiveMatrix BusinessWorks™
- TIBCO Business Studio™
- TIBCO Enterprise Message Service™
- TIBCO Hawk®
- TIBCO Rendezvous®

How to Contact TIBCO Support

Get an overview of [TIBCO Support](#). You can contact TIBCO Support in the following ways:

- For accessing the Support Knowledge Base and getting personalized content about products you are interested in, visit the [TIBCO Support](#) website.
- 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 [TIBCO Support](#) website. If you do not have a user name, you can request one by clicking **Register** on the website.

How to Join TIBCO Community

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