

TIBCO iProcess® Workspace Plug-ins

Release Notes

*Software Release 11.6.1
October 2017*

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Preface

TIBCO iProcess Workspace Plug-ins includes the following individual plug-ins:

- TIBCO iProcess® Java Client Plug-in
- TIBCO iProcess® Client Plug-in for ActiveMatrix BusinessWorks™
- TIBCO iProcess® XML Transform Client Plug-in

Topics

- [Related Documentation, page vi](#)
- [Typographical Conventions, page viii](#)
- [Connecting with TIBCO Resources, page xi](#)

Related Documentation

This section lists documentation resources for TIBCO iProcess Workspace Plug-ins you may find useful.

TIBCO iProcess Workspace Plug-ins Documentation

- *TIBCO iProcess Workspace Plug-ins Installation* Read this manual for instructions on site preparation and installation.
- *TIBCO iProcess Workspace Plug-ins 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.

Other TIBCO iProcess® Documentation

- *TIBCO iProcess® Java Client Plug-in Documents* This plug-in enables the iProcess Engine to define EAI Java steps to be added to an iProcess procedure.
- *TIBCO iProcess® Client Plug-in for ActiveMatrix BusinessWorks™ Documents* This plug-in enables the iProcess Engine to define EAI BusinessWorks steps to be added to an iProcess procedure that communicates with TIBCO ActiveMatrix BusinessWorks™.
- *TIBCO iProcess® XML Transform Client Plug-in Documents* This plug-in enables you to define Transform steps in your iProcess procedures. This plug-in was previously available as part of TIBCO iProcess Conductor.

TIBCO iProcess User Documentation Library

See the following guides for more information concerning TIBCO iProcess Workspace Plug-ins:

- *TIBCO iProcess Java Plug-in User's Guide* This document explains how to define and use EAI Java steps in your iProcess procedures. EAI Java steps can be customized to perform the necessary business actions you require in your procedure (such as calling methods in Enterprise Java Beans or simply manipulating data via a Java object). The TIBCO iProcess Java Plug-in software consists of a client plug-in (which is part of the iProcess Workspace Plug-ins), a server plug-in (which is part of the iProcess Technology Plug-ins), and an SDK.
- *TIBCO iProcess® Connector for ActiveMatrix BusinessWorks™ User's Guide* This document explains how to use the iProcess Connector for ActiveMatrix BusinessWorks plug-ins, an efficient and easy to use interface between TIBCO

ActiveMatrix BusinessWorks™ and the iProcess Engine. The iProcess Connector for ActiveMatrix BusinessWorks consists of a client plug-in (which is part of the iProcess Workspace Plug-ins), a server plug-in (which is part of the iProcess Technology Plug-ins), and an ActiveMatrix BusinessWorks plug-in (which is also part of the iProcess Technology Plug-ins).

- *TIBCO iProcess® Modeler Integration Techniques* This document explains how to use EAI steps in your procedures to control updates to external systems and iProcess case data under transaction control.

Typographical Conventions

The following typographical conventions are used in this manual.

Table 1 General Typographical Conventions

Convention	Use
<i>TIBCO_HOME</i> <i>ENV_HOME</i>	<p>Many TIBCO products must be installed within the same home directory. This directory is referenced in documentation as <i>TIBCO_HOME</i>. The default value of <i>TIBCO_HOME</i> depends on the operating system. For example, on Windows systems, the default value is C:\tibco.</p> <p>Other TIBCO products are installed into an <i>installation environment</i>. Incompatible products and multiple instances of the same product are installed into different installation environments. An environment home directory is referenced in documentation as <i>ENV_HOME</i>. The default value of <i>ENV_HOME</i> depends on the operating system. For example, on Windows systems the default value is C:\tibco.</p>
code font	<p>Code font identifies commands, code examples, filenames, pathnames, and output displayed in a command window. For example:</p> <p>Use MyCommand to start the foo process.</p>
bold code font	<p>Bold code font is used in the following ways:</p> <ul style="list-style-type: none">• In procedures, to indicate what a user types. For example: Type admin.• In large code samples, to indicate the parts of the sample that are of particular interest.• In command syntax, to indicate the default parameter for a command. For example, if no parameter is specified, MyCommand is enabled: MyCommand [enable disable]
italic font	<p>Italic font is used in the following ways:</p> <ul style="list-style-type: none">• To indicate a document title. For example: See <i>TIBCO ActiveMatrix BusinessWorks Concepts</i>.• To introduce new terms For example: A portal page may contain several portlets. <i>Portlets</i> are mini-applications that run in a portal.• To indicate a variable in a command or code syntax that you must replace. For example: MyCommand <i>PathName</i>

Table 1 General Typographical Conventions (Cont'd)




Convention	Use
Key combinations	Key name separated by a plus sign indicate keys pressed simultaneously. For example: Ctrl+C. Key names separated by a comma and space indicate keys pressed one after the other. For example: Esc, Ctrl+Q.
	The note icon indicates information that is of special interest or importance, for example, an additional action required only in certain circumstances.
	The tip icon indicates an idea that could be useful, for example, a way to apply the information provided in the current section to achieve a specific result.
	The warning icon indicates the potential for a damaging situation, for example, data loss or corruption if certain steps are taken or not taken.

Table 2 Syntax Typographical Conventions

Convention	Use
[]	An optional item in a command or code syntax. For example: MyCommand [optional_parameter] required_parameter
	A logical OR that separates multiple items of which only one may be chosen. For example, you can select only one of the following parameters: MyCommand para1 param2 param3

Table 2 Syntax Typographical Conventions

Convention	Use
{ }	<p>A logical group of items in a command. Other syntax notations may appear within each logical group.</p> <p>For example, the following command requires two parameters, which can be either the pair <code>param1</code> and <code>param2</code>, or the pair <code>param3</code> and <code>param4</code>.</p> <pre>MyCommand {param1 param2} {param3 param4}</pre> <p>In the next example, the command requires two parameters. The first parameter can be either <code>param1</code> or <code>param2</code> and the second can be either <code>param3</code> or <code>param4</code>:</p> <pre>MyCommand {param1 param2} {param3 param4}</pre> <p>In the next example, the command can accept either two or three parameters. The first parameter must be <code>param1</code>. You can optionally include <code>param2</code> as the second parameter. And the last parameter is either <code>param3</code> or <code>param4</code>.</p> <pre>MyCommand param1 [param2] {param3 param4}</pre>

Connecting with TIBCO Resources

How to Join TIBCOCommunity

TIBCOCommunity is an online destination for TIBCO customers, partners, and resident experts, a place to share and access the collective experience of the TIBCO community. TIBCOCommunity offers forums, blogs, and access to a variety of resources. To register, go to <http://www.tibcommunity.com>.

How to Access TIBCO Documentation

Documentation for this and other TIBCO products is available on the TIBCO Documentation site:

<https://docs.tibco.com>

Documentation on the TIBCO Documentation site is updated more frequently than any documentation that might be included with the product. To ensure that you are accessing the latest available help topics, please visit us at <https://docs.tibco.com>.

How to Contact TIBCO Support

For comments or problems with this manual or the software it addresses, contact TIBCO Support as follows.

- For an overview of TIBCO Support, and information about getting started with TIBCO Support, visit this site:

<http://www.tibco.com/services/support>

- If you already have a valid maintenance or support contract, visit this site:

<https://support.tibco.com>

Entry to this site requires a user name and password. If you do not have a user name, you can request one.

Release Notes

Check the TIBCO Product Support web site at <http://support.tibco.com> for product information that was not available at release time. Entry to this site requires a username and password. If you do not have a username, you can request one. You must have a valid maintenance or support contract to use this site.

Topics

- [New Features, page 2](#)
- [Changes in Functionality, page 4](#)
- [Deprecated and Removed Features, page 5](#)
- [Migration and Compatibility, page 7](#)
- [Closed Issues, page 10](#)
- [Known Issues, page 12](#)
- [Restrictions, page 13](#)

New Features

This section lists features added since the version 11.4.0 of this product.

Release 11.6.1

There are no new features in this release.

Release 11.6.0

The following are new features in this release.

Supported Operating System Version

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

Release 11.5.0

The following are new features in this release.

Support for XSLT 2.0 and XPath 2.0 (IPTP-798)

Support for XSLT 2.0 has been introduced in this release. You can use XPath 2.0 in TIBCO iProcess Connector for ActiveMatrix BusinessWorks to define the field mappings between the BusinessWorks process definition and the iProcess Engine procedure.

Enhance Delay Release Performance (IPTP-817)

From this release, TIBCO iProcess Connector for ActiveMatrix BusinessWorks can trigger the SW_DELAYED_RELEASE_ERR stored procedure in the iProcess database to call and send the error message to the BG process via JMS if the iProcess Complete Delayed Release activity fails to complete delayed release of an EAI BusinessWorks step.

See "Delayed Release" in *TIBCO iProcess Connector for ActiveMatrix BusinessWorks User's Guide* for more details.

Supported Java Version

Java Standard Edition 8 is supported in the release.

See *TIBCO iProcess Technology Plug-ins Installation guide* for details.

Release 11.4.1

Operating the JMS Administration Utility in Console Mode (IPTP-446)

Commands are available for operating the JMS Administration Utility in console mode. These commands contain:

`jmsadmin password password`, `jmsadmin show destinations/providers/ssl`, `jmsadmin export XMLFileName`, `jmsadmin import XMLFileName`, `jmsadmin test destination id/name`, and `jmsadmin upgrade`.

For more information about these commands, see "Chapter 5, Managing Your JMS Provider" in *TIBCO iProcess Connector for ActiveMatrix BusinessWorks User's Guide*.

Support for Platforms

In this release, the following supported platforms are added:

- Microsoft Windows 8.1 (32-bit and 64-bit)
- Microsoft Windows Server 2012 R2 (64-bit)

Release 11.4.0

Support for Platforms

In this release, the following supported platforms are added:

- Microsoft Windows 8 (32-bit and 64-bit)
- Microsoft Windows Server 2012 (64-bit)

Supported Java Version

Java Standard Edition 7 is supported in the release.

See the *TIBCO iProcess Technology Plug-ins Installation guide* for details.

Changes in Functionality

This section lists changes in functionality since the the version 11.4.0 of this product.

Release 11.6.1

There are no changes in functionality in this release.

Release 11.6.0

From this release, the following product names are changed:

Previous Name	Changed Name
TIBCO iProcess BusinessWorks Connector	TIBCO iProcess Connector for ActiveMatrix BusinessWorks
TIBCO iProcess BusinessWorks Client Plug-in	TIBCO iProcess Client Plug-in for ActiveMatrix BusinessWorks

Release 11.5.0

When installing iProcess Workspace Plug-ins, only the 32-bit Java Runtime Environment is supported.

See *TIBCO iProcess Workspace Plug-ins Installation* for more details.

Release 11.4.1

There are no changes in functionality in this release.

Release 11.4.0

There are no changes in functionality in this release.

Deprecated and Removed Features

This section describes any features that have been deprecated or removed since the last major release 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 11.6.1

No features are deprecated and removed in this release.

Release 11.6.0

No features are deprecated and removed in this release.

Release 11.5.0

Deprecated Features

No features are deprecated in this release.

Removed Features

- TIBCO iProcess Conductor Client Plug-ins, including TIBCO iProcess Conductor Orchestration Client Plug-in and TIBCO iProcess Conductor Order Client Plug-in are removed from TIBCO iProcess Workspace Plug-ins.
- From this release, Microsoft Windows Server 2003 is no longer supported.

Release 11.4.1

Deprecated Features

In this release, support for Microsoft Windows Server 2003 is deprecated.

Removed Features

From this version, TIBCO iProcess Workspace Plug-ins is no longer supported on Microsoft Windows XP.

Release 11.4.0

No features are deprecated or removed in this release.

Migration and Compatibility

This section explains how to migrate from a previous release to this release.

Release 11.6.1

The table below lists other TIBCO products with which TIBCO iProcess Technology Plug-ins has direct compatibility requirements. It also lists the versions of those products that are compatible with this version of TIBCO iProcess Technology Plug-ins.

Certified versions have been successfully tested by TIBCO for compatibility with this version of TIBCO iProcess Workspace Plug-ins. Compatible versions have not been formally certified, but have no known incompatibilities with this version of TIBCO iProcess Workspace Plug-ins.

Product	Certified Version(s)	Compatible Version(s)
TIBCO iProcess Technology Plug-ins	Version 11.6.1	None
TIBCO iProcess Workspace (Windows)	Version 11.6.1	None

Release 11.6.0

The table below lists other TIBCO products with which TIBCO iProcess Technology Plug-ins has direct compatibility requirements. It also lists the versions of those products that are compatible with this version of TIBCO iProcess Technology Plug-ins.

Certified versions have been successfully tested by TIBCO for compatibility with this version of TIBCO iProcess Workspace Plug-ins. Compatible versions have not been formally certified, but have no known incompatibilities with this version of TIBCO iProcess Workspace Plug-ins.

Product	Certified Version(s)	Compatible Version(s)
TIBCO iProcess Technology Plug-ins	Version 11.6.0	None
TIBCO iProcess Workspace (Windows)	Version 11.6.0	None

Release 11.5.0

The table below lists other TIBCO products with which TIBCO iProcess Technology Plug-ins has direct compatibility requirements. It also lists the versions of those products that are compatible with this version of TIBCO iProcess Technology Plug-ins.

Certified versions have been successfully tested by TIBCO for compatibility with this version of TIBCO iProcess Workspace Plug-ins. Compatible versions have not been formally certified, but have no known incompatibilities with this version of TIBCO iProcess Workspace Plug-ins.

Product	Certified Version(s)	Compatible Version(s)
TIBCO iProcess Technology Plug-ins	Version 11.5.0	None
TIBCO iProcess Workspace (Windows)	Version 11.5.0 and 11.4.2	None

Release 11.4.1

The table below lists other TIBCO products with which TIBCO iProcess Technology Plug-ins has direct compatibility requirements. It also lists the versions of those products that are compatible with this version of TIBCO iProcess Technology Plug-ins.

Certified versions have been successfully tested by TIBCO for compatibility with this version of TIBCO iProcess Workspace Plug-ins. Compatible versions have not been formally certified, but have no known incompatibilities with this version of TIBCO iProcess Workspace Plug-ins.

Product	Certified Version(s)	Compatible Version(s)
TIBCO iProcess Technology Plug-ins	Version 11.4.1	None
TIBCO iProcess Workspace (Windows)	Version 11.4.1 and 11.4.2	None

Release 11.4.0

The table below lists other TIBCO products with which the iProcess Technology Plug-ins has direct compatibility requirements. It also lists the versions of those products that are compatible with this version of the iProcess Technology Plug-ins.

Certified versions have been successfully tested by TIBCO for compatibility with this version of the iProcess Technology Plug-ins. Compatible versions have not been formally certified, but have no known incompatibilities with this version of the iProcess Technology Plug-ins.

Product	Certified Version(s)	Compatible Version(s)
TIBCO iProcess Technology Plug-ins	Version 11.4.0	None
TIBCO iProcess Workspace (Windows)	Version 11.4.0	None

Closed Issues

The table in this section list issues that have been closed in TIBCO iProcess Client Plug-in for ActiveMatrix BusinessWorks in the named releases.

Issues Affecting the iProcess Client Plug-in for ActiveMatrix BusinessWorks

Closed in Release	Defect #	Summary
11.5.0	CR 19357	<p>iProcess fields with the names that included a colon in their names, such as SW_STARTER:NAME or CUST:POSTCODE, could not be imported or exported by using the iProcess Connector for ActiveMatrix BusinessWorks. This was because the colon was not a valid character in the name of an XML element.</p> <p>Corrected.</p>
11.5.0	IPTP-798	<p>TIBCO iProcess Connector for ActiveMatrix BusinessWorks adds supports for XSLT 2.0 in this release.</p> <p>Implemented. See Support for XSLT 2.0 and XPath 2.0 (IPTP-798) on page 2.</p>
11.5.0	IPTP-817	<p>Add asynchronous call in iProcess Connector for ActiveMatrix BusinessWorks to notify the BG process if performing delayed release of an EAI BusinessWorks step has failed.</p> <p>Implemented. See Enhance Delay Release Performance (IPTP-817) on page 2.</p>
11.5.0	IPTP-822 (Parent CR 15926)	<p>The system path was corrupted by EAI Plug-ins that updated the system path during installation. This was because the system path was limited to 1023 characters and if the installer caused this to be exceeded, the path was concatenated but no errors were reported.</p> <p>Corrected.</p>
11.4.1	IPTP-446	<p>Add support for operating the JMS Administration Utility in console mode.</p> <p>Implemented. See Operating the JMS Administration Utility in Console Mode (IPTP-446) on page 3.</p>

Closed in Release	Defect #	Summary
11.4.1	IPTP-550 (Parent IPTP-244)	<p>The TIBCO BusinessWorks iProcess Plug-in resource, iProcess Service Agent, failed to create an interface definition file if the XML Canon was specified as the repository for the BusinessWorks project.</p> <p>Corrected.</p>
11.4.0	IPTP-396	<p>In the JMS Administration Tool, the JMS Provider could not be added with the same JMS provider name as the predefined one.</p> <p>Corrected.</p>
11.3.1	IPTP-650	<p>Remove the EAIWITHDRAW section from the iProcess BusinessWorks Client Plugin definition.</p> <p>Implemented.</p>
11.3.0	MR 43501	<p>Duplicate JMS provider names are not permitted with respect to a TIBCO BusinessWorks step. Modify the JMS Administrator to permit a duplicate JMS provider to be created so that, for example, for the same JMS endpoint two different sets of credentials can be used. The second and subsequent duplicate provider names are automatically suffixed with a unique identifier. A check is made to ensure the overall record is unique when creating a new provider, however this check is not enforced when modifying an existing provider.</p> <p>Implemented. See the JMS Provider field in "Administering JMS Providers and Destinations" in the <i>TIBCO iProcess Connector for ActiveMatrix BusinessWorks User's Guide</i> for further information.</p>
11.3.0	MR 43134	<p>Improve the caching of step definitions in order to improve performance and reduce CPU load.</p> <p>Implemented.</p>

Known Issues

This section lists known issues for the current version.

Workspace Plug-ins May Fail After Another Product is Installed

Your iProcess Workspace Plug-ins may fail if another product (such as TIBCO iProcess® Decisions Client Plug-in, or a version of TIBCO iProcess® Web Services Client Plug-in previous to 11.3.0) has been installed after it. This is as a result of changes in the behavior of the Workspace Plug-ins class loader compared to that provided with earlier products.



This problem is not encountered with iProcess Web Services Client Plug-in version 11.3.0.

A solution is to modify the SW_CLIENTCLASSPATH environment variable after installation, so that it points to the Workspace Plug-Ins class loader rather than the class loader of one of the other plug-ins.

System Fields Appear in User Field List

At design time, in the field mapping screen the following system fields appear under the list of user fields:

- SW_STEPNAME
- SW_STEPDESCRIPTION
- SW_QRETRYCOUNT

These fields are in fact system fields, but changing the definition would adversely impact existing EAI step definitions.

Restrictions

This section list restrictions for the current version.

- The first table lists restrictions that affect only the iProcess Client Plug-in for ActiveMatrix BusinessWorks. If you do not intend to install that plug-in, you do not need to read this table. See [page 13](#).
- The second table lists restrictions that affect all the iProcess Workspace plug-ins. Since the iProcess Client Plug-in for ActiveMatrix BusinessWorks is dependent on the iProcess Java Client Plug-in - that is, if you install the iProcess BusinessWorks Plug-in, you must also install the iProcess Java Plug-in - issues that affect the iProcess Java Plug-in are relevant to all users. See [page 13](#).

Restrictions Affecting the iProcess Client Plug-in for ActiveMatrix BusinessWorks

This table lists restrictions that affect the iProcess Client Plug-in for ActiveMatrix BusinessWorks only.

Defect #	Summary/Workaround
CR 19456	<p>Summary Validation of EAI BusinessWorks steps is limited. The format of the step itself is checked, but the XML schema is not.</p> <p>Workaround None.</p>

Restrictions Affecting all iProcess Workspace Plug-ins

This table lists restrictions that affect all iProcess Workspace plug-ins.

Defect #	Summary/Workaround
SR 1-A5PN7V	<p>Summary Operations may fail unexpectedly if iProcess Workspace Plug-ins is installed in a location which has a space in the pathname.</p> <p>Workaround Install iProcess Workspace (Windows) and iProcess Workspace Plug-ins to a location with no space in the name.</p>
MR 36416	<p>Summary When using console mode to re-install and selecting either option 2 - Re-install/Repair/Upgrade, or option 3 - Reconfigure Existing Installation, the SWDIR location isn't set to the previous value.</p> <p>Workaround Set it manually to the correct value.</p>

Defect #	Summary/Workaround
MR 35785	<p>Summary After selecting the option to upgrade the iProcess Workspace Plug-ins, a warning message is displayed asking, "Are you sure you want to reset the installation files back to their original versions?" This message is incorrect.</p> <p>Workaround Answer "Yes" to continue with the upgrade.</p>
CR 19379	<p>Summary If a step implementing a Withdraw function is configured to produce an exception (for example, for test purposes) using the example code supplied for Withdraw, the step is withdrawn but continues to write to the Java debug log as if still waiting for the withdrawal.</p> <p>Workaround None.</p>
CR 19274	<p>Summary Log messages are not enabled for internationalization, but are English only.</p> <p>Workaround None.</p>
CR 18291	<p>Summary If you install both the iProcess Java Server Plug-in and the iProcess Java Client Plug-in on the same machine, and you have the installation program update the PATH environment variable with the location of the Java JVM, it updates the PATH twice.</p> <p>Workaround None.</p>
CR 17869	<p>Summary If you use the same iProcess array field for both input and output, a FatalPluginException is generated.</p> <p>Workaround Define a different iProcess array field for input and output.</p>
CR 16210	<p>Summary This version of the iProcess Java Plug-in does not support the Copy/Paste functionality in the TIBCO iProcess® Modeler.</p> <p>Workaround None.</p>
CR 15316	<p>Summary During installation, the JRE Details dialog does not contain a shortcut key for the Browse button.</p> <p>Workaround None.</p>
CR 15285	<p>Summary When a Java Object is called from an EAI Java step that contains the following line:</p> <pre>System.exit(0);</pre> <p>the background process that is handling the EAI Java step is terminated.</p> <p>Workaround None.</p>

Defect #	Summary/Workaround
CR 15093	<p>Summary The << and >> buttons in the Inputs and Outputs tabs indicate that they support hot keys. However, the hot keys currently do not work.</p> <p>Workaround None.</p>
CR 15089	<p>Summary No hot keys are currently available for selecting text boxes, lists or radio buttons in the General, Inputs and Outputs tabs.</p> <p>Workaround None.</p>
None	<p>Summary It is occasionally possible for any of the Plug-ins to try to execute a step before the previous data has been committed to the database which can cause an error to occur.</p> <p>Workaround Commit the transaction prior to the next step in the procedure.</p>