

TIBCO iProcess™ Web Services Client Plug-in

Release Notes

*Software Release 10.6.0
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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

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New Features

This section lists features added at each major release of this product.

Release 10.6

The following are new features in this release:

Inbound/Outbound Security Features

The TIBCO iProcess Web Services Plug-in supports transport layer security using Secure Socket Layer (SSL), and the following inflow and outflow SOAP security features:

- XML Signature
- XML Encryption
- User Name Token (Basic Authentication)

You can create "security profiles" using the new Security Profile Administrator. The profiles contain settings for SOAP security so that the settings can be reused for different Web Services steps at design time. The security profile can also be associated with a URL alias at design time, so that when you subsequently select the URL alias, the associated security profile is displayed as well.

Support for Withdraw Actions ([19891](#))

The TIBCO iProcess Web Services Plug-in allows you to configure a second Web Service when defining your Web Services step. This second Web Service is then called when a Withdraw action is fired.

Password Manager ([30669](#))

There is a new Password Manager that allows you to change and manage the various passwords required to use the client and server plug-ins such as the keystore password, JDBC password, and so on.

Release 10.5

The following are new features in this release.

XML Mapping Capabilities (18444)

XML mapping capabilities allow you to map iProcess Engine field data to Web Service data. This generates an Extensible Stylesheet Language Transformation (XSLT) that previously had to be created manually. Refer to the *TIBCO iProcess Web Services Plug-in User's Guide* for more information.

Configurable URL Aliases (18560)

When you design your iProcess Engine Web Services step, instead of having to specify explicit URLs for the WSDL location you can now use aliases instead. This means that the URLs can be changed/maintained without modifying the Staffware procedure (for example, when moving from a test to a production environment). Refer to the *TIBCO iProcess Web Services Plug-in User's Guide* for more information.

High Availability Configuration (18689)

A High Availability configuration is supported. This type of configuration uses multiple Jetty servers to provide redundancy in case one Jetty Server fails. Refer to the *TIBCO iProcess Web Services Plug-in Installation Guide* and the *TIBCO iProcess Web Services Plug-in User's Guide* for more information.

Release 10.3

None.

Release i10.2

Refactor the iProcess Web Services Plug-in Architecture to Remove the Need for an Application Server

The iProcess Web Services Plug-in architecture has been refactored so that an application server is no longer needed. The application server platform has now been replaced with a combined JMX and JMS server platform. The Weblogic SOAP component has been replaced with AXIS. Refer to the *TIBCO iProcess Web Services Plug-in User's Guide* for more information.

Release i10.0

Refer to the *TIBCO iProcess Web Services Plug-in User's Guide*, for detailed information about creating and using EAI Web Services steps in your Staffware procedures.

Changes in Functionality

This section lists changes in functionality since the last major (10.2) release of this product.

Release 10.6

This version includes the following new features:

- Default Invocation Style is Automatic Delayed Release rather than Asynchronous with Reply.
- On XML and RPC mapping screens the **delayedReleaseID** field is available for mapping.
- You can now select from a list of several URL Alias Managers in the step definer.
- The TIBCO iProcess Web Services Plug-in allows you to configure a second Web Service that is called when a Withdraw action is fired.

Release 10.5

The following are changes in functionality in this release.

- None

Release 10.3

The following are changes in functionality in this release.

- None

Deprecated Features

This section describes deprecated features and lists equivalent features that accomplish the same result, if relevant. 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 equivalent feature.

Release 10.6.0

The following features are deprecated in this release:

- Asynchronous with Reply invocation style has been replaced by Automatic Delayed Release as the default invocation style.

Release 10.5

The following features are deprecated in this release.

- None.

Release 10.3

The following features are deprecated in this release.

- None.

Migration and Compatibility

For migration information, and for information on the versions of software compatible with this release, please refer to the *TIBCO iProcess™ Web Services Server Plug-in Installation Guide*.



If you only need to define iProcess Web Services steps in procedures (you do not run cases on your machine), you only need to install the iProcess Web Services Client plug-in - refer to *TIBCO iProcess Web Services Client Plug-in Installation*. If you are running cases containing Web Services steps, you must also install the iProcess Client.

Closed Issues

The table in this section lists issues that were closed in the named releases.

Closed in Release	MR #	Summary
10.6.0	30669	Provide a utility to allow users to change the passwords contained in various configuration files. Implemented.
10.6.0	30052	Provide support for multiple alias managers in Web Services Client Plug-in. Implemented.
10.6.0	30020	Web Service calls that use an alias and static XSLT can fail at runtime because the alias cannot be found. Corrected.
10.6.0	30012	Implement the ability to add custom SOAP header tags to Web Service calls. Implemented.
10.6.0	19891	Implement withdraw action in the iProcess Web Services Client Plug-in. Implemented.
10.6.0	19765	WSDL files containing '(' or ')' characters cause problems for JAXB. Corrected.
10.6.0	19744	Importing a WSDL with an RPC style input parameter can cause the input mapping screen to not be displayed. Corrected.
10.6.0	19034	Suspending a sub-procedure does not work. Corrected.

Closed in Release	MR #	Summary
10.6.0	17328	The step definer now prevents the selection of a Web Service that returns multiple output parameters. Previously it was possible to select this type of Web Service at design time despite the step failing at run-time. Consequently, there should be no pre-existing steps which will be affected by this change. Corrected
10.5.0	18689	Modify the Web Services plug-in to support High Availability. Implemented.
10.5.0	18560	Add configurable Web Service URLs to the Web Services client and server plug-ins. Implemented.
10.5.0	18444	The Web Services client plug--in requires a graphical XML mapping tool to facilitate the creation of XSLT. Implemented.
10.5.0	16266	If you re-open a saved step and change operation, it doesn't blank out the mappings screen. Moving back and then forwards will clear the screen. Corrected.
10.5.0	16264	During the design stage, if you try to call a Web Service that doesn't return any data, you cannot navigate past the third screen of the wizard. Corrected.
10.3.0	15910	Memos that are part of an array cannot be used as part of a Web Service call out. The effect of this will be that an empty string is passed in place of the memo.
i10.2(0.0)	16541	Refactor the iProcess Web Services Plug-in architecture so that an application server is no longer needed. Implemented. See page 3 for more information.
i10.0(4.0)	No MR	Rebuild for compatibility with version i10.0(4.0) of the EAI Web Services Server Plug-in.
i10.0(2.1)	16113	Rebuild for compatibility with version i10.0(4.1) of the EAI Java Plug-in. Implemented.

Closed in Release	MR #	Summary
i10.0(2.0)	15905	Using memos in delayed release mode can cause loss of data. Corrected.
i10.0(2.0)	15902	Web Service calls which cause the Socket Proxy to time out are disappearing. Corrected.
i10.0(2.0)	15787	Amend EAI Web Services Client Plug-in to allow co-residence with EAI Java Client Plug-in. Implemented.
i10.0(2.0)	15709	XSLT based Web Services calls cannot be saved if they have no mapped fields. Corrected.

Known Issues

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

MR #	Summary/Workaround
31981	Summary When using AES 256 encryption, Web Services calls fail with errors. Workaround Download the unlimited strength JCE security policy from Sun and install this for your JVM into <code>JAVA_HOME\jre\lib\security</code>. See http://java.sun.com/javase/technologies/security/ for more information.
31850	Summary When using encryption, the body of the message is always encrypted by default. Alternatively, you can specify specific encryption parts that you want encrypted (using the Encrypt Parts option in the Security Profile Administrator). In this case you must explicitly specify that you want the message body encrypted. Workaround None.
31587	Summary When using the Security Policy Manager to import a WS Policy file, if you merge the Policy, then select undo, the entire policy is cleared. Workaround Avoid doing this.
31537	Summary No data is returned when the manual delayed release option is selected with an operation that returns data. Workaround None.
30986	Summary Depending on the system timezone settings, there may be a discrepancy between the timestamp inserted into a SOAP message and the actual time. This does not affect the execution of the call. Workaround None.
30785	Summary Editing a 10.3.0 RPC based Web Services step does not display 10.6.0 dialogs. Workaround Edit the 10.3.0 step and when prompted convert the step to 10.5.0. Then close and re-open the step. The new dialogs are present.
30542	Summary When specifying a digital signature in the Security Profile Manager, the Signature user must match the Username specified for Basic authentication. Workaround None.

MR #	Summary/Workaround
28249	Summary Keystore passwords are displayed in plain text in the Rampart Policy section of the WS Policy Editor. Workaround None.
ID 26086 (no MR)	Summary Multiple iProcess Client 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 <i>product_bootstrap_library.jar</i> from any <i>one</i> 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 Connector Client Plug-in • TIBCO iProcess™ Decisions Client Plug-in • TIBCO iProcess™ Conductor Orchestration Client Plug-in • TIBCO iProcess™ Conductor Order Client Plug-in • TIBCO iProcess™ Conductor XML Transform Client Plug-in • TIBCO iProcess™ Web Services Client Plug-in

MR #	Summary/Workaround
18976	Summary Java arrays may not be displayed correctly in the mapping screens, if the schema refers to a type which is defined in an external java (.jws) Web service implementation. Workaround None.
16302	Summary Web Services can present multiple methods which have the same name but different parameters (called overloaded methods). The Web Services integration server is not able to call these Web Services at this time, a "duplicate method" error will be returned. Workaround None.
16306	Summary Passing null values into Web Services that require parameters can cause the step to never return to Staffware. Workaround None.
15926	Summary The operating system path can become corrupted by EAI Plug-ins that update the system path during installation. This is because the system path is limited to 1023 characters and if the installer causes this to be exceeded, the path is concatenated but no error is reported. Workaround None.
13759	Summary Currently, the UDDI dialog in the Web Services Integrator wizard does not display any information on the Phone and Address tabs. These tabs are displayed when a Web Service is selected from a UDDI repository. Workaround None.

