

TIBCO iProcess® Web Services Server Plug-in

Release Notes

*Software Release 11.3
October 2011*

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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 since the last major (10.0) release of this product.

Release 11.3

The following new features have been added:

New Platforms Supported

This release adds support for the following new platforms:

Microsoft Windows (x86 or x64)

- Windows 7 Professional
- Windows Server 2008 R2 Standard

Solaris:

- Sun SPARC Solaris 10

HP-UX on Itanium:

- HP-UX 11i Version 3

AIX:

- AIX Version 6.1

Linux:

- Red Hat Enterprise Linux Server 5.x
- Red Hat Enterprise Linux Advanced Platform 5.x
- SUSE Enterprise 10.x.
- SUSE Enterprise 11.x

(Other Linux implementations may be compatible; see the iProcess Engine documentation.)

Databases:

- Oracle 10g release 10.2.0.4 or above
- Oracle 11g
- Oracle 11g release 2
- DB2 Universal Database 9.5
- DB2 Universal Database 9.7
- SQL Server 2008 R2 Service Pack 1 or later
- SQL Server 2008 Service Pack 1 or later
- SQL Server 2005 Service Pack 1 or 2

Not all platform/database combinations are supported - see the *TIBCO iProcess Engine Installation* guides for more information.

Using Security Profiles to Send iProcess Field Data

Using the Security Profile Administrator, you can include iProcess field data in your SOAP header to outbound web services at runtime. For example, you could use custom headers to send context-sensitive iProcess field data that could be used in the web service at runtime. This is achieved by inserting a token into any field in the main dialog of the Security Profile Administrator. The fields can contain both SOAP and security information. Refer to the *TIBCO iProcess Web Services Plug-in User Guide* for more information.

Correlation ID Now Included in JMS Correlation ID Field

If the inbound call contains a correlation ID, the iProcess Web Services Server Plug-in includes the correlation ID in the JMS Correlation ID field in the response message that it sends. This enables you to use a single, permanent response queue if required, and use the correlation ID to match request messages to response messages.

Release 10.6.1**Sun x86 Platform Supported**

This release adds support for the Sun x86 platform.

Release 10.6

The following are new features in this release:

- Enhancements to support Web Services transport layer security (SSL) and SOAP security such as installer changes, changes to the database to support security profiles, and architectural changes. The following security mechanisms are supported:
 - **Transport Layer Security** HTTPS and digital certificates
 - **SOAP Security** XML Signatures, XML Encryption, Basic Authentication, Timestamps, and WS Policy files
- Simplified installation procedure with a reduced number of dialogs and options, as well as better default values.
- Configuration of multiple JMS Providers now supported.
- Websphere 6.1 is now supported as an external and internal JMS provider for use with the TIBCO iProcess Web Services Plug-in.
- New timeout capability for XML/JMS and SOAP/HTTP messages.
- The Web Services configuration file (**wsconfig.properties**) allows you to perform most of the ongoing administration and configuration tasks related to the iProcess Web Services Server Plug-in. It is located in:

`webservices_server_location\jetty-6.1.1\staffware`

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 iProcess 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 10.2

Refactor the iProcess Web Services Plug-in Architecture to Remove the Need for an Application Server ([16541](#))

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.

Changes in Functionality

This section lists changes in functionality since the last major (10.0.0) release of this product.

Release 11.3

New Version of Jetty

A new version of Jetty (6.1.25) is now used.

Release 10.6.1

TIBCO Enterprise Message Server (EMS)

TIBCO Enterprise Message Server (EMS) client libraries are no longer distributed with the TIBCO iProcess Web Services Server Plug-in. TIBCO EMS must be purchased and installed separately.

Release 10.6

This version includes the following changes in functionality:

- There is a new Security Profile Administrator that allows you to define security settings that are saved as a profile in the database. These settings can subsequently be reused at design time.
- Axis2 now used instead of Axis 1.
- You can now configure a timeout for XML/JMS and SOAP/HTTP messages.
- A new version of Jetty (6.1) is now used.

Release 10.5

None.

Release 10.3

None.

Release 10.2

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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 11.3

The following features have been removed in this release.

- Support for AXIS 1.

Release 10.6.1

The following features are deprecated in this release.

- None.

Release 10.6

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 the TIBCO iProcess Web Services Client Plug-in Installation Guide. If you are running cases containing Web Services steps, you must also install the iProcess Web Services Server Plug-in.

Examples

Some examples are included with the TIBCO iProcess Web Services Server Plug-in. The schemas, iProcess procedures, and BusinessWorks processes can all be found in the **examples** folder on the TIBCO iProcess Engine Web Services Server Plug-in product physical media. The examples provided with this version of the TIBCO iProcess Web Services Server Plug-in are not compatible with earlier versions of the product. Earlier versions of the product should use the examples provided with their version of the TIBCO iProcess Web Services Server Plug-in.

Closed Issues

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

Closed in Release	MR #	Summary
11.3.0	40380	Threading issues when using Bouncycastle to decrypt.
11.3.0	43258	Accented characters may cause either a fatal error or corrupted data when running the Web Services Plug-in.
11.3.0	43272	Outbound web service calls failed when using Weblogic 9.2 XML/JMS.
11.3.0	43182	Web service calls were processed slowly under certain circumstances.
11.3.0	41590	A Web Services call fails if the data returned contains the < character.
11.3.0	39812	The SOAP Envelope Body stripping code has a bug in it which means if you have body within the XML payload it will truncate incorrectly.
10.6.1	39207	Port TIBCO iProcess Web Services Server Plug-in to Sun x86 Solaris 10 and unbundle TIBCO Enterprise Message Server (EMS) client libraries. Implemented.
10.6.0	30259	TIBCO Enterprise Message Service (EMS) can be auto configured during installation. Implemented.
10.6.0	30188	The Web Services Server Plug-in has hardcoded values for date/time conversion formats. Implemented. The ability to configure this has been added to the wsconfig.properties file (for more information, see <i>TIBCO iProcess Web Services Plug-in User's Guide</i>).
10.6.0	30158	Add support for WS Policy files in a security profile. Implemented.
10.6.0	30144	Add support for WebSphere 6. Implemented.

Closed in Release	MR #	Summary
10.6.0	30099	Add support for multiple JMS providers. Implemented.
10.6.0	30041	Implement changes to simplify the installer, especially when using TIBCO EMS as the default JMS provider. Implemented.
10.6.0	19972	Modify installer to allow the configuration of multiple JMS providers with TIBCO Enterprise Message Service (EMS) as the default. Implemented.
10.6.0	19780	XML over JMS messages do not time out and wait indefinitely for a response. Corrected. Timeout facility implemented.
10.6.0	19727	Need to remove decrypted password from log files. Corrected.
10.6.0	19726	Upgrade to Axis2 to make use of security features. Implemented.
10.6.0	19684	Web Services Plug-in cannot connect to JMS provider when authorization is enabled on the JMS server. Corrected.
10.6.0	19639	When using XML over JMS for WebService calls we could set the CorrelationID in the JMS message to match the iProcess unique message key for the request. This means that if a request is retried multiple times (for instance if the receiver cannot respond to the request so the request fails) the receiver has a way of identifying the messages as duplicates. Corrected.
10.6.0	19034	Suspending a sub-procedure does not work. Corrected.

Closed in Release	MR #	Summary
10.6.0	16339	<p>The Timed Out work queue can grow very large as old items are not timed out.</p> <p>Corrected; timeout implemented.</p>
10.5.0	18763	<p>The Webservices Server Plug-in generates an exception when accessing a queue using Websphere MQseries. This is because the queue alias name is used but no JNDI lookup is done first.</p> <p>Corrected.</p>
10.5.0	18689	<p>Modify the Web Services plug-in to support High Availability.</p> <p>Implemented.</p>
10.5.0	18637	<p>Modify the WebServices Server Plug-in to use a JMS-based design time cache rather than a disk-based one. When multiple Jetty installations access one set of JMS queues, this means that a given message can always get at the design-time cache even if it is on a different machine to the initial call.</p> <p>Implemented. Files are now written to a JMS queue.</p>
10.5.0	18560	<p>Add configurable WebService URLs to the WebServices client and server plug-ins.</p> <p>Implemented.</p>
10.5.0	18444	<p>The Web Services client plug-in requires a graphical XML mapping tool to facilitate the creation of XSLT.</p> <p>Implemented.</p>
10.5.0	18387	<p>For each Web Service outbound call from the iProcess Engine, a memory leak occurs proportional to the size of the cached wsdl in the jetty/staffware/cache/ directory. This is because the Axis library is caching WSDL data (because it believes the URL is remote rather than local file system) and never removes it from the cache.</p> <p>Fixed.</p>

Closed in Release	MR #	Summary
10.5.0	18287	<p>Reader threads on the JMS queues are handled by a pool manager which adjusts the number of active threads dependant on the number of outstanding messages in a queue. If the maximum thread count is reached, the number of threads is never reduced, even after the system load decreases. The threads continue to check the queues for messages periodically.</p> <p>Fixed.</p>
10.5.0	18126	<p>If installing a new Business Works Connector product or modifying an existing installation when using Java 5 (1.5) the encryption of passwords is performed incorrectly and the server plug-in reports fatal errors when the iProcess Engine is started - that the plug-in failed to initialize.</p> <p>Fixed.</p>
10.3.0	17889	<p>The installer has been modified so that if the DB test and /or JMS test fail, you cannot progress with the installation.</p>
10.3.0	13798	<p>In automatic mode, the installer fails to register the EAI plug-in with the server. No error is reported to the user but the error is reported in the log file.</p> <p>Corrected.</p>
10.2.0.1	17621	<p>Implemented support for DB2.</p>
10.2.0	16838	<p>Version 10.2.0 of the TIBCO Staffware EAI Rules Manager Plug-in is the first release of this product on the Linux platform.</p>
10.2.0	16541	<p>Refactor the iProcess Web Services Plug-in architecture so that an application server is no longer needed. See New Features on page 2 for more information.</p>
i10.0-o(4.0)	16339	<p>The timed out work queue can grow very large as old items are not timed out.</p> <p>Corrected. A new parameter has been added to the timed out web service calls handler with a default of 1 hour. A warning message is sent to the Web Services.log file.</p>
	16331	<p>Implement support for Oracle8i.</p>

Closed in Release	MR #	Summary
	16311	<p>The log file default settings need to be improved.</p> <p>Corrected. The log file now only outputs errors, warnings and info messages. The log file will grow to 100Mb at which point it is rolled over. Two backup files are also stored bringing the total disk space required for log files to 300Mb.</p>
	16258	<p>The EAI step callout fails if values are used for the Web Services input values rather than Staffware fields.</p> <p>Corrected.</p>
	15365	<p>Implement support for WebSphere.</p>

Restrictions

This section lists restrictions for the current version.

MR #	Summary/Workaround
IPWS-476	<p>Summary An outbound call over XML/JMS must use a queue. Topics are not supported using the XML/JMS data transport mechanism</p> <p>Workaround None.</p>
35056	<p>Summary Web Service calls do not support mixed content. For example, <code><xs:complexType mixed="true"></code> is not supported.</p> <p>Workaround You should use an alternative construct like the one below:</p> <pre><xsd:schema xmlns:xsd="http://www.w3.org/2001/XMLSchema" elementFormDefault="qualified"> <xsd:element name="root"> <xsd:complexType> <xsd:simpleContent> <xsd:extension base="xsd:string"> <xsd:attribute name="code" type="xsd:string"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType> </xsd:element> </xsd:schema></pre>

MR #	Summary/Workaround
32169	<p>Summary Using SSL in an AIX environment generates errors similar to the following:</p> <pre>2007-10-09 15:58:15.305::INFO: Started SslSocketConnector @ 0.0.0.0:8443 Exception in thread "btpool0-3" java.lang.NoClassDefFoundError: javax.crypto.b initialization failure)</pre> <p>Workaround One way of correcting this is as follows:</p> <ol style="list-style-type: none"> 1. Install the unlimited strength JCE policy files. These JARs are available from the IBM web site, and should be installed in the <code><JRE>/lib/security</code> directory: <ul style="list-style-type: none"> — <code>local_policy.jar</code> — <code>US_export_policy.jar</code> 2. Add the following line to the <code><JRE>/lib/security/java.security</code> file: <pre>security.provider.6=org.bouncycastle.jce.provider.BouncyCastleProvider</pre> <p>Note that this provider entry must appear at the end of the list.</p> 3. Create the certificate keyfile on Windows, not on AIX. 4. Install the Bouncy Castle JAR (<code>bccprov13-133.jar</code>) in <code><JRE>/lib/ext</code>. 5. Run Jetty as the root user.
32116	<p>Summary When using the Security Profile Administrator on AIX systems to create a new profile, selecting either Encryption or Signatures changes the screen color surrounding these fields.</p> <p>Workaround None.</p>
32100	<p>Summary When using SSL, if you use the IP address of a machine instead of the machine name as key common name, at design time you will not be able to access the WSDL to select an operation.</p> <p>Workaround Specify the machine name instead of the IP address as a key common name.</p>
32019	<p>Summary The iProcess Web Services Server Plug-in does not support Java 1.4 in AIX environments.</p> <p>Workaround None.</p>

MR #	Summary/Workaround
32004	<p>Summary AIX Jetty installations cannot co-exist with non-AIX Jetty installations in an High Availability environment (they must NOT share the same database). Similarly, you cannot migrate security profiles between AIX and other platforms.</p> <p>Workaround None.</p>
32002	<p>Summary In an AIX environment, you must manually create the JMS queues; the installer does not do this automatically. For more information, see the <i>TIBCO iProcess Web Services Server Plug-in Installation Guide</i>.</p>
31528	<p>Summary If a step is withdrawn while the Web Service call is in process, a sw_warn error is created when the Web Service responds. This is because there is an attempt to release a step that no longer exists</p> <p>Workaround None.</p>
31511	<p>Summary Because of the way the pooling model used by the TIBCO iProcess Web Services Server Plug-in works, if low numbers of Web Service steps are processed, and some of these steps are causing errors, there can be delays in the processing of other steps</p> <p>Workaround None.</p>
31461	<p>Summary Only basic authentication can be used for message level security when using RPC based Webservice calls.</p> <p>Workaround None.</p>
31286	<p>Summary The password of the outbound truststore is not encrypted in the <code>sec.properties</code> file.</p> <p>Workaround None.</p>
31259	<p>Summary Sometimes when installing remotely using programs such as Exceed, if a popup appears (for example, after the database test), you cannot edit the fields in the dialog. This does not happen when performing the installation locally.</p> <p>Workaround , Return to the previous dialog, then re-display the original dialog. You can then edit the fields.</p>

MR #	Summary/Workaround
31179	<p>Summary Sometimes the endpoints on a WSDL accessed using HTTPS are not pointing to the HTTPS protocol or the correct port.</p> <p>Sometimes when accessing the WSDL file for the TIBCO iProcess Web Services Plug-in using the HTTPS protocol, the WSDL does not include a port with an endpoint that includes this protocol. For example, the WSDL file is accessed at https://localhost:8443/axis2/services/WebIPE?wsdl, yet all the ports refer to http://localhost:8090/axis2/services/WebIPE.</p> <p>Workaround None.</p>
31163	<p>Summary The UNIX scripts are included with the Jetty installation for Windows although they do not need to be provided. Similarly, on Windows platforms, UNIX scripts are provided as well.</p> <p>Workaround None.</p>
30964	<p>Summary There can be problems calling the TIBCO iProcess Web Services Plug-in from WebSphere Rapid Application Developer (RAD). These are caused by the SOAP 1.2 entries in the WSDL that are not currently supported by RAD</p> <p>Workaround None.</p>
30838	<p>Summary After a JMS timeout, when there are no messages in the queue to be processed, the following message is displayed:</p> <p>"QueueReader - Null message received - throwing it away"</p> <p>This text of this message should be reworded to be clearer, and the error downgraded to an informational message.</p> <p>Workaround None.</p>
30806	<p>Summary When you restart the TIBCO EMS server you also must restart the Jetty server; otherwise Web Services calls fail and the following error is reported in the Jetty logs.</p> <pre>2007-07-16 15:19:23,205 [FATAL] [Thread-6] PooledQueueBrowser - Unable to create browser on queue: queue.SWOutbound javax.jms.IllegalStateException: Session is closed</pre> <p>Workaround None.</p>

MR #	Summary/Workaround
30552	<p>Summary At runtime, encryption fails with an error about an unsupported key algorithm.</p> <p>Workaround Add BouncyCastle to the JRE Security providers for Rampart encryption/signing as follows</p> <ol style="list-style-type: none"> 1. Copy <code>JETTY_HOME\ext\bcprov-jdk13-133.jar</code> into the <code>JRE_HOME\lib\ext</code> directory. 2. Edit <code>JRE_HOME/lib/security/java.security</code> and add Bouncy Castle as a security provider. For example: <pre>security.provider.7=org.bouncycastle.jce.provider.BouncyCastleProvider</pre>
30522	<p>Summary The timeout period for a timestamp security token is 5 minutes and cannot be changed.</p> <p>Workaround None.</p>
30511	<p>Summary When selecting a client WSDL, SSL security does not work with client authentication for a WebSphere server.</p> <p>Workaround None.</p>
30199	<p>Summary When using the Asynchronous with Reply invocation method, messages can be lost if Jetty is restarted.</p> <p>Workaround None.</p>
28260	<p>Summary During the Server Plug-in installation, pressing the Alt key to use a hot key does not work correctly.</p> <p>Workaround None.</p>
28258	<p>Summary During the Server Plug-in installation, in the Configure iPE Server Information dialog, you can select an iProcess Engine node for the installation. If you make a selection other than the default iProcess Engine node, click Next, and then click Back, the default selection is displayed rather than the node you selected.</p> <p>Workaround None.</p>

MR #	Summary/Workaround
27173	<p>Summary There are three bindings displayed for calling iProcess Engine Web Service operations:</p> <ul style="list-style-type: none"> • WebiPESOAP11port_http • WebiPESOAP12port_http • WebiPEHttpport1 <p>Do not use the WebiPEHttpport1 binding; it is unsupported.</p> <p>Workaround None.</p>
24785	<p>Summary If you install the TIBCO iProcess Web Services Server Plug-in over an existing installation an error occurs.</p> <p>Workaround Delete any previous version of the TIBCO iProcess Web Services Server Plug-in before installing this version.</p>
18389	<p>Summary You cannot install this version of the iProcess Web Services Server Plug-in on AIX using Java 1.5. The product can be run using Java 1.5 but not installed using it. This is a restriction in the InstallShield product.</p> <p>Workaround None.</p>
16757	<p>Summary You can only install the TIBCO iProcess Web Services Server Plug-in in graphical mode. The options given for silent or console mode do not work.</p> <p>Workaround None.</p>
16617	<p>Summary A Windows installation will fail if the environment path for the %TEMP% directory contains spaces.</p> <p>Workaround None.</p>
16311	<p>Summary The log file is restarted every time you re-start your Jetty server.</p> <p>Workaround If you keep your Jetty server running, then TIBCO recommend that you keep track of the size of the log file and periodically archive it, if it grows too large.</p>
16306	<p>Summary Passing null values into Web Services that require parameters can cause the step to never return to Staffware.</p> <p>Workaround None.</p>

MR #	Summary/Workaround
16302	<p>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.</p> <p>Workaround None.</p>
No MR	<p>Summary If you install the TIBCO iProcess Web Services Server Plug-in and you select Websphere as the JMS provider, you must provide a JNDI username and password on the JMS Authentication dialog. You must do this even if your Websphere application server is unauthenticated. If you do not do this, it causes a Null Username exception when you perform the JMS test from the JMS Provider Resource Details dialog. The actual username and password you enter is irrelevant. This means you can enter whatever you like.</p> <p>Workaround None.</p>
No MR	<p>Summary When a boolean value is submitted to Web Services, on its return an additional decimal place is added. For example, 1 is returned as 1.0.</p> <p>Workaround None.</p>

Known Issues

This section lists known issues for the current version.

Issues with WS Policies and Custom Headers

WSPolicy files cannot be used with custom headers.

Issues with WebLogic

If you have the following scenario:

- Your external web services are deployed through HTTPS
- WebLogic is your JMS provider

then the calls to web services through HTTPS can fail at run-time.

Trademark Symbol Displays Incorrectly

On some Unix platforms the trademark logo for TIBCO products is displayed as "?"

Custom Header Validation

It is not possible to validate all custom headers easily. This only happens when TIBCO iProcess Web Services Server Plug-in makes the web service call. Therefore, sometimes errors in the custom header, such as undeclared XML prefixes, are not encountered until the web service call is made.

Manually Constructed XSLTs and getNodeName

Calling TIBCO iProcess Web Services Server Plug-in's getNodeName fails using manually constructed XSLT.

Signature Confirmation Works Inconsistently

Signature confirmation works inconsistently as illustrated by the following scenarios:

Scenario 1

1. Configure TIBCO iProcess Web Services Server Plug-in to call an external web service.
2. From the TIBCO iProcess Web Services Server Plug-in, configure authentication, encryption and timestamp for outflow.
3. Configure authentication, signature, encryption and timestamp for inflow.
4. Specify that TIBCO iProcess Web Services Server Plug-in confirm signature confirmation in inflow.
5. Configure the external web service correctly, generating no signature confirmation. The process works, even though it should fail as there is no signature confirmation in the SOAP response.

Scenario 2

1. Configure an external web service to call TIBCO iProcess Web Services Server Plug-in's inbound call.
2. From TIBCO iProcess Web Services Server Plug-in's, configure no security for inflow.
3. Configure authentication, signature, encryption and timestamp for outflow.
4. Specify that TIBCO iProcess Web Services Server Plug-in confirm signature confirmation in outflow.
5. Configure the external web service correctly. There is no signature confirmation in the SOAP response from the TIBCO iProcess Web Services Server Plug-in.

Manually Constructed XSLTs and Custom Headers

Using manually constructed XSLT, custom headers fail to be sent. However, cases are processed successfully.

Jetty Server Startup Issues with Certain Platforms

Although installation on Red Hat Enterprise Linux AS 5.x using Weblogic as the JMS Provider is successful, the Jetty server fails to start.

Database Errors During Installation on Some Platforms

On the following platforms with a DB2 Database, errors are generated during installation:

- Red Hat Enterprise Linux AS 5.x
- SUSE Enterprise 10.x
- AIX 5.3
- AIX 6.1
- Solaris 9
- Solaris 10

The errors are similar to the ones below:

```
Connecting to: jdbc:db2://192.168.68.131:50000/pra3v...
Schema owner: swpro
Core: Failed to close JDBC connection:
com.ibm.db2.jcc.a.SqlException: [jcc][t4][10251][10308][3.51.90]
java.sql.Connection.close() requested while a transaction is in
progress on the connection.
The transaction remains active, and the connection cannot be
closed. ERRORCODE=-4471, SQLSTATE=null
Located Nodename: prwsa3v
Core: Failed to close JDBC connection:
com.ibm.db2.jcc.a.SqlException: [jcc][t4][10251][10308][3.51.90]
java.sql.Connection.close() requested while a transaction is in
progress on the connection.
The transaction remains active, and the connection cannot be
closed. ERRORCODE=-4471, SQLSTATE=null
Database tested successfully (Nodename: prwsa3v, Webservice tables:
pre10.5).
```

However, installation is still performed successfully.

Generated SOAP Requests Not Reflecting WSDL Style

It does not matter if a web service is deployed of style RPC/Encoded, or RPC/Literal, the SOAP request that is generated by the TIBCO iProcess Web Services Server Plug-in is the same.

Some Symmetric Encryption Algorithms do not Work Correctly

The following Symmetric Encryption Algorithms do not work correctly:

- For inbound outflow, even if you select 3DES, AES128/192/256, AES128 is always used.
- For outbound outflow, when AES192/256 is selected, outbound call fails.

Headers Are Not Signed

If you select **Sign headers and body**, only the body is signed, not the sign headers.

Signature Parts Fail in Inbound Outflow

If you define **Signature Parts** in inbound outflow, it fails to sign the specified parts at run-time and no error is reported.

Process Migration Error Sometimes Occurs

A navigator error may be received when migrating an EAI web services procedure from a development to a live environment. You should manually edit the .xfr file and change the name of the alias server name to the live environment server.

Inflow and Outflow Usernames and Passwords

When defining a security policy, in which a username and password is sent in outflow messages but not received in inflow messages, you can specify a username and password in either inflow or outflow. In both situations, the username and password is sent correctly.

Security Profile Creation Failures

On Red Hat Enterprise Linux AS 5.x and SUSE Enterprise 10.x with a DB2 Database, if you follow the steps below, creating a security policy will fail:

1. Install a new TIBCO iProcess Web Services Server Plug-in.
2. Register the TIBCO iProcess Web Services Server Plug-in correctly.
3. Start the TIBCO iProcess Engine.
4. Start TIBCO iProcess Web Services Server Plug-in.
5. Start Security Profile Administrator.
6. Create an empty security profile.
7. Modify the security policy to have all security policies except custom headers.
8. Save the security policy.
9. From this security policy, create a new security profile. On clicking **Create**, errors are generated.

Repeat step 9 again and the security profile is created correctly.

Signature Key Identifier and Inflow Messages

Regarding signature key identifiers and inflow messages, note the following:

- You must select one signature key identifier in inflow messages according to the SOAP request.
- It does not matter if the signature key identifiers do not match.

EncryptBeforeSigning and Security Policies

You must not enable `EncryptBeforeSigning` when defining security policies. It causes the following error message to be displayed in the logs:

```
security processing failed (actions mismatch)
```

Supporting Tokens and Encryption

When a web services security policy is used, Supporting Tokens are always encrypted if AsymmetricBinding is enforced and signing is performed before encryption.

Unsupported Key Transport Algorithm

The Key transport algorithm:
<http://www.w3.org/2001/04/xmlenc#rsa-oeap-mgf1p> is not supported and should not be used.

Invalid Data Mapping not Logged

If you design a call to a TIBCO BusinessWorks process that has an invalid field mapping, like mapping an iProcess string field to a BusinessWorks Integer field, for example, the field in the iProcess process is blank and no errors are reported in the log.

iProcess Field Deletion not Logged

This applies to the XML/JMS data transport mechanism. If you delete an iProcess field from a step, the Jetty log should report that the field is missing when making an outbound call. Instead, the process continues without the missing field.

Errors Using TIBCO Workspace Aliases

When using aliases in TIBCO Workspace, errors are generated in the log files, despite the aliases being created successfully.

SOAP/HTTP with SSL WSDL Generation Problem

Using the SOAP/HTTP data transport mechanism with SSL enabled, the WSDL is generated with incorrect endpoints, similar to that shown below:

```
<wsdl:port name="WebiPESoap11port_http1"
binding="axis2:WebiPESoap11Binding">
<soap:address
location="<http://192.168.68.72:8090/axis2/services/WebiPE>" />
</wsdl:port>
```

You must manually modify the endpoints in the WSDL as follows:

- Change **http** to **https**.
- Change the port number to the one specified for HTTPS during installation (by default, **8443**).

Console/Silent Installation not Supported on UNIX

Installing the TIBCO iProcess Web Services Server Plug-in on UNIX in Console Mode and in Silent Mode is not supported.

Other Information

Understanding the Return Values from iProcess Functions

When requesting iProcess functions, the values that are returned indicate whether or not the function requests have been successful. They do not indicate that the functions have performed successfully. This means, for example, that you may receive a successful return value from a request to the iProcess function **doCaseStart** but the case does not start successfully.

Understanding the Return Values from the doActivateSub Function

When using the iProcess function **doActivateSub** to activate a case of a sub-procedure, the following return values indicate whether or not the request to activate the case has been successful:

If the case number or **0** is returned, the request has been successful.

If **-1** is returned, this means an error has occurred and the request has not been successful.

