



# **TIBCO BusinessConnect™ Services Plug-in**

## **Release Notes**

*Software Release 6.3.0  
October 2019*



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# Preface

TIBCO BusinessConnect™ Services Plug-in is an easy-to-use data transfer protocol, which provides a secure data exchange over the Internet.

## Topics

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- [TIBCO Product Documentation and Support Services, page x](#)

## Related Documentation

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This section lists documentation resources you may find useful.

### TIBCO BusinessConnect™ Services Plug-in Documentation

The following documents form the TIBCO BusinessConnect Services Plug-in documentation set:

- *TIBCO BusinessConnect™ Services Plug-in Installation and Configuration*: Read this guide to install and configure TIBCO BusinessConnect Services Plug-in.
- *TIBCO BusinessConnect™ Services Plug-in User's Guide*: Read this guide to learn how to manage TIBCO BusinessConnect Services Plug-in.
- *TIBCO BusinessConnect™ Services Plug-in 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 Product Documentation

You may find it useful to read the documentation for the following TIBCO products, which may be used or integrated with BusinessConnect:

- **TIBCO Administrator™** software: The software allows you to manage users, machines and applications defined in a TIBCO Administration Domain. The TIBCO Administrator graphical user interface enables users to deploy, monitor, and start and stop TIBCO applications.
- **TIBCO ActiveMatrix BusinessWorks™** software: This software is a scalable, extensible, and easy to use integration platform that allows you to develop integration projects. TIBCO BusinessWorks includes a graphical user interface (GUI) for defining business processes and an engine that executes the process.
- **TIBCO Business Studio™** software: This graphical user interface is used for designing and creating integration project configurations and building an Enterprise Archive (EAR) for the project. The EAR can then be used by TIBCO Enterprise Administrator for deploying and running the application.
- **TIBCO Designer™** software: This graphical user interface is used for designing and creating integration project configurations and building an Enterprise Archive (EAR) for the project. The EAR can then be used by TIBCO Administrator for deploying and running the application.

- TIBCO Enterprise Message Service <sup>™</sup> software: This software provides a message service that enables integration of applications within an enterprise based on the Java Message Service (JMS) specifications.
- TIBCO Hawk <sup>®</sup> software: This software is a tool for monitoring and managing distributed applications and operating systems. The software is designed specifically for monitoring distributed systems, so there is no centralized console or frequent polling across the network.
- TIBCO Runtime Agent <sup>™</sup> software: This software suite is a prerequisite for other TIBCO software products. In addition to TIBCO Runtime Agent components, the software suite includes the third-party libraries used by other TIBCO products such as TIBCO Designer, Java Runtime Environment (JRE), TIBCO Hawk <sup>®</sup>, and TIBCO Rendezvous <sup>®</sup>.
- TIBCO Rendezvous <sup>®</sup> software: This software enables programs running on many different kinds of computers on a network to communicate seamlessly. It includes two main components: the Rendezvous programming language interface (API) in several languages, and the Rendezvous daemon.

# Typographical Conventions




The following typographical conventions are used in this manual.

Table 1 General Typographical Conventions

Convention	Use
<i>ENV_NAME</i> <i>TIBCO_HOME</i> <i>EZCOMM_HOME</i>	<p>TIBCO products are installed into an installation environment. A product installed into an installation environment does not access components in other installation environments. Incompatible products and multiple instances of the same product must be installed into different installation environments.</p> <p>An installation environment consists of the following properties:</p> <ul style="list-style-type: none"><li>• <b>Name</b> Identifies the installation environment. This name is referenced in documentation as <i>ENV_NAME</i>. On Microsoft Windows, the name is appended to the name of Windows services created by the installer and is a component of the path to the product shortcut in the Windows Start &gt; All Programs menu.</li><li>• <b>Path</b> The folder into which the product is installed. This folder is referenced in documentation as <i>TIBCO_HOME</i>.</li></ul> <p>TIBCO BusinessConnect Services Plug-in installs into a directory within a <i>TIBCO_HOME</i>. This directory is referenced in documentation as <i>EZCOMM_HOME</i>. The default value of <i>EZCOMM_HOME</i> depends on the operating system. For example on Windows systems, the default value is</p> <p>C:\tibco\bc\version\protocols\ezcomm.</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"><li>• In procedures, to indicate what a user types. For example: Type <b>admin</b>.</li><li>• In large code samples, to indicate the parts of the sample that are of particular interest.</li><li>• In command syntax, to indicate the default parameter for a command. For example, if no parameter is specified, MyCommand is enabled: MyCommand [<b>enable</b>   disable]</li></ul>



Table 1 General Typographical Conventions (Cont'd)

Convention	Use
<i>italic font</i>	<p>Italic font is used in the following ways:</p> <ul style="list-style-type: none"> <li>• To indicate a document title. For example: See <i>TIBCO ActiveMatrix BusinessWorks Concepts</i>.</li> <li>• To introduce new terms For example: A portal page may contain several portlets. <i>Portlets</i> are mini-applications that run in a portal.</li> <li>• To indicate a variable in a command or code syntax that you must replace. For example: MyCommand <i>PathName</i></li> </ul>
Key combinations	<p>Key name separated by a plus sign indicate keys pressed simultaneously. For example: Ctrl+C.</p> <p>Key names separated by a comma and space indicate keys pressed one after the other. For example: Esc, Ctrl+Q.</p>
	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.

## TIBCO Product Documentation and Support Services

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

### How to Access TIBCO Documentation

Documentation for TIBCO products is available on the TIBCO Product Documentation website mainly in the HTML and PDF formats.

The TIBCO Product Documentation website is updated frequently and is more current than any other documentation included with the product. To access the latest documentation, visit <https://docs.tibco.com>.

Documentation for TIBCO BusinessConnect Services Plug-in is available on the <https://docs.tibco.com/products/tibco-businessconnect-services-plug-in> Product Documentation page.

### How to Contact TIBCO Support

You can contact TIBCO Support in the following ways:

- For an overview of TIBCO Support, and information about getting started with TIBCO Support, visit <http://www.tibco.com/services/support>
- For accessing the Support Knowledge Base and getting personalized content about products you are interested in, visit the TIBCO Support portal at <https://support.tibco.com>.
- 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 <https://support.tibco.com>. If you do not have a user name, you can request one by clicking Register on the website.

### How to Join TIBCO Community

TIBCO Community is the official channel for TIBCO customers, partners, and employee subject matter experts to share and access their collective experience. TIBCO Community offers access to Q&A forums, product wikis, and best practices. It also offers access to extensions, adapters, solution accelerators, and tools that extend and enable customers to gain full value from TIBCO products. In addition, users can submit and vote on feature requests from within the [TIBCO Ideas Portal](#). For a free registration, go to <https://community.tibco.com>.

# Release Notes

The release notes list the major updates in version 6.3.0 of the product. For information about an earlier version, see the release notes provided with the corresponding version. In addition, it also includes the migration procedures.



The product name changed from TIBCO BusinessConnect™ EZComm Protocol in release 5.3.3 to TIBCO BusinessConnect™ Services Plug-in in release 6.0.0.

## Topics

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- [New Features, page 2](#)
- [Changes in Functionality, page 3](#)
- [Deprecated and Removed Features, page 4](#)
- [Migration and Compatibility, page 5](#)
- [Closed Issues, page 7](#)
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## New Features

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The following features have been added in this release of TIBCO BusinessConnect Services Plug-in.

### **Support for Custom HTTP Headers**

TIBCO BusinessConnect Services Plug-in now supports adding custom HTTP headers for both Synchronous and Asynchronous transactions.

## Changes in Functionality

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The following functionality and feature has been changed in this release of TIBCO BusinessConnect Services Plug-in.

### **Support for Large Payload in Gateway Server SFTP and FTP Servers**

You can now process and transfer large payload in Gateway Server SFTP and FTP servers.

## Deprecated and Removed Features

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No features have been deprecated or removed as of this release of TIBCO BusinessConnect Services Plug-in.

# Migration and Compatibility

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The following information provides migration procedures and compatibility matrix for this release of TIBCO BusinessConnect Services Plug-in.

## Migrating from Release 6.1.x, 6.2.x

TIBCO BusinessConnect Services Plug-in 6.3.0 is based on TIBCO BusinessConnect 7.2.0.

To migrate from TIBCO BusinessConnect Services Plug-in version 6.1.x or 6.2.x to 6.3.0, complete the following steps:

1. While TIBCO BusinessConnect Services Plug-in version 6.1.x or 6.2.x is still installed, stop all TIBCO BusinessConnect engines. Then, export the installation configuration file in TIBCO Administrator GUI.
  - a. In the left panel, click **BusinessConnect**.
  - b. In the right panel, click **Manage**.
  - c. In the **Management** area, click **Export** next to **Import and Export**.
  - d. Click **Export** and wait for the export process to complete.  
Setting the password is optional.
  - e. After the export process is completed, click **Download**, and save the exported .csx file to a desired location.
2. Undeploy TIBCO BusinessConnect and delete the existing TIBCO BusinessConnect application.
3. Deactivate TIBCO BusinessConnect Services Plug-in version 6.1.x or 6.2.x from TIBCO Administrator GUI:
  - a. In the left panel, click **BusinessConnect**.
  - b. In the right panel, click **Manage**.
  - c. Click the **Protocol Plug-in Activation** tab, select the **EZComm** check box, and then click **Deactivate**.
4. Uninstall TIBCO BusinessConnect Services Plug-in version 6.1.x or 6.2.x from all machines under this TIBCO Administrator domain. Ensure that all the folders and files under *EZCOMM\_HOME* are removed.
5. Ensure that the appropriate version of TIBCO BusinessConnect is installed.

To upgrade to TIBCO BusinessConnect 7.2.0, see the migration section in *TIBCO BusinessConnect Release Notes* Software Release 7.2.0.

6. Restart TIBCO Hawk and TIBCO Administrator, and verify that the appropriate version of TIBCO BusinessConnect is installed under **Resource Management > Installed Software**.
7. Install TIBCO BusinessConnect Services Plug-in 6.3.0.
8. After installing TIBCO BusinessConnect Services Plug-in 6.3.0, complete the following steps:
  - a. Log in to TIBCO Administrator.
  - b. In the left panel, click **BusinessConnect**.
  - c. In the right panel, click **Manage**.
  - d. Configure the JDBC settings to connect to your previous configuration store.
  - e. If you just update TIBCO BusinessConnect Services Plug-in version to 6.3.0 without updating your existing TIBCO BusinessConnect version, click **Save**. You do not have to click **Initialize**.

If your existing TIBCO BusinessConnect version is 6.4.0 or 7.0.0 or 7.1.0, click **Initialize** to create installation. Then, you are logged off automatically.
9. Log in to TIBCO Administrator again.
10. Activate TIBCO BusinessConnect Services Plug-in 6.3.0. Ensure that TIBCO BusinessConnect Services Plug-in version 6.1.x or 6.2.x is not displayed either under **Resource Management > Installed Software** or under **Application Management > All Service Instances > machine-TIBCO Administrator > Plug-Ins** in TIBCO Administrator.
11. Import the .csx file: similar to [step 1](#), simply change **Export** to **Import**, and navigate to the directory that contains the exported .csx file and import it.
12. Ensure that the configuration in TIBCO BusinessConnect Services Plug-in version 6.1.x or 6.2.x is preserved.
13. Create and deploy TIBCO BusinessConnect application.



## Closed Issues

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The following issues have been fixed in this release of TIBCO BusinessConnect Services Plug-in.

Key	Summary
EZCM-230	EZComm protocol failed to support the custom HTTP headers for both Synchronous and Asynchronous transactions.
EZCM-222	TIBCO BusinessConnect failed to encode data correctly if the data in the Trading Partner's response Content-Type header contained Chinese character set.
EZCM-210	For outbound X12 transaction, incorrect format of the transaction ID was displayed.

## Known Issues

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The following issues exist in this release of TIBCO BusinessConnect Services Plug-in.

Key	Summary/Workaround
EZCM-239	<p><b>Summary:</b> If the name of the incoming SFTP file has two underscores consecutively, then the "Notify" operation fails to trigger correctly.</p> <p><b>Workaround:</b> Modify the name of the SFTP file by adding single underscore.</p>
EZCM-226	<p><b>Summary:</b> A proper Initiator.Response with an error status is not generated for an outbound EZComm request upon failure to process the outgoing request or the incoming response.</p> <p>Examples for error conditions include schema validation errors, invalid credentials, and missing operation bindings. An error advisory is issued, but the Initiator.Response is not available. As a consequence, if the Initiator.Request is generated from the TIBCO BusinessConnect palette activity sendRequest on BusinessWorks, this activity will time out waiting for the Initiator.Response in case it is configured to wait for the response from TIBCO BusinessConnect.</p> <p><b>Workaround:</b> None.</p>
EZCM-103	<p><b>Summary:</b> For TIBCO BusinessConnect EZComm Protocol in TIBCO BusinessConnect Services Plug-in, the <code>OriginalFileName</code> node in <code>INITIATOR.RESPONSE</code> does not get populated when an asynchronous response is received.</p> <p><b>Workaround:</b> None.</p>
BC-5309	<p><b>Summary:</b> When receiving EZComm messages from a trading partner, if the host and partner information is interchanged the TIBCO BusinessConnect engine does not throw an error.</p> <p><b>Workaround:</b> None.</p>
BC-4739	<p><b>Summary:</b> For synchronous transactions, if the response filename contains a space, the synchronous response results in an error being passed to the private process.</p> <p><b>Workaround:</b> None.</p>

Key	Summary/Workaround
BC-4634	<p><b>Summary:</b> For the outbound sign and encrypt request, the description in the error advisory issued for an unrecognized content-type specified in the private process request is not informative enough to identify the cause.</p> <p>The following generic information is described:</p> <p>“Failure to encrypt S/MIME message. Please check the Outbound Doc Exchange/Encryption Info Settings under the Document Security tab for the Business Agreement.”</p> <p><b>Workaround:</b> None.</p>
BC-4600	<p><b>Summary:</b> For the EZComm inbound RESPONDER.REQUEST and INITIATOR.RESPONSE messages the inclusion of the message contents that enables the resend from the log viewer is always enabled, regardless of the setting “Include Message in Log Entries” that is available in system settings for the JDBC configuration. All messages, including INITIATOR.REQUEST, INITIATOR.RESPONSE, and RESPONDER.REQUEST, should not be resendable when the <b>Include Message in Log Entries</b> check box is cleared.</p> <p><b>Workaround:</b> None.</p>
BC-4599	<p><b>Summary:</b> For EZComm synchronous operations, an incoming synchronous response is not denied and a proper permission is not enforced based on the settings that are configured under the Response action of the operation using the <b>Signed</b> and <b>Encrypted</b> check boxes. For example, an incoming plain synchronous response is incorrectly accepted when the <b>Signed</b> or <b>Encrypted</b> check boxes are selected for an incoming synchronous response.</p> <p><b>Workaround:</b> None.</p>
BC-4560	<p><b>Summary:</b> When an incoming synchronous request fails due to an invalid certificate or a key, the Responder should send an error back to the Initiator and terminate the transaction properly. Instead, the Responder currently simply sends an error advisory and terminates the transaction.</p> <p><b>Workaround:</b> None.</p>
BC-4255	<p><b>Summary:</b> In the inbound EZComm request and response operations, incomplete transactions may occasionally fail to recover and be unable to complete processing. This happens when the backup runtime engine is activated under a fault tolerant (FT) group after the primary engine stops abnormally. As a result, TIBCO BusinessConnect fails to respond to the trading partner who initiated the request.</p> <p><b>Workaround:</b> None.</p>

Key	Summary/Workaround
BC-4232	<p><b>Summary:</b> For the synchronous request, the DMZ component waits for the response from the interior Business Connect server. If the interior server does not send a response due to some errors, the DMZ component times out and throws the timeout advisory with the status code of 0 (zero).</p> <p><b>Workaround:</b> None.</p>
BC-4108	<p><b>Summary:</b> For the outbound EZComm messages requesting an asynchronous receipt, the receipt timeout advisory fails to honor the private process Smart Routing rule when the conditions are met.</p> <p><b>Workaround:</b> None.</p>
BC-3990	<p><b>Summary:</b> The default EZComm operation BC/1.0/Notify is preloaded on each new TIBCO BusinessConnect installation creation and cannot be removed. Updated attributes of this operation, such as uploaded schema files, will not be migrated when performing a full import from a CSX import.</p> <p><b>Workaround:</b> None.</p>
BC-3298	<p><b>Summary:</b> EZComm does not support Cancel transaction functionality.</p> <p><b>Workaround:</b> None. EZcomm currently does not support cancellation of transactions, such as MDN. Users will not be able to select and cancel any pending transactions.</p>