



TIBCO BusinessConnect™ SOAP Protocol

Release Notes

*Software Release 7.1.0
October 2019*



Important Information

SOME TIBCO SOFTWARE EMBEDS OR BUNDLES OTHER TIBCO SOFTWARE. USE OF SUCH EMBEDDED OR BUNDLED TIBCO SOFTWARE IS SOLELY TO ENABLE THE FUNCTIONALITY (OR PROVIDE LIMITED ADD-ON FUNCTIONALITY) OF THE LICENSED TIBCO SOFTWARE. THE EMBEDDED OR BUNDLED SOFTWARE IS NOT LICENSED TO BE USED OR ACCESSED BY ANY OTHER TIBCO SOFTWARE OR FOR ANY OTHER PURPOSE.

USE OF TIBCO SOFTWARE AND THIS DOCUMENT IS SUBJECT TO THE TERMS AND CONDITIONS OF A LICENSE AGREEMENT FOUND IN EITHER A SEPARATELY EXECUTED SOFTWARE LICENSE AGREEMENT, OR, IF THERE IS NO SUCH SEPARATE AGREEMENT, THE CLICKWRAP END USER LICENSE AGREEMENT WHICH IS DISPLAYED DURING DOWNLOAD OR INSTALLATION OF THE SOFTWARE (AND WHICH IS DUPLICATED IN THE LICENSE FILE) OR IF THERE IS NO SUCH SOFTWARE LICENSE AGREEMENT OR CLICKWRAP END USER LICENSE AGREEMENT, THE LICENSE(S) LOCATED IN THE "LICENSE" FILE(S) OF THE SOFTWARE. USE OF THIS DOCUMENT IS SUBJECT TO THOSE TERMS AND CONDITIONS, AND YOUR USE HEREOF SHALL CONSTITUTE ACCEPTANCE OF AND AN AGREEMENT TO BE BOUND BY THE SAME.

ANY SOFTWARE ITEM IDENTIFIED AS THIRD PARTY LIBRARY IS AVAILABLE UNDER SEPARATE SOFTWARE LICENSE TERMS AND IS NOT PART OF A TIBCO PRODUCT. AS SUCH, THESE SOFTWARE ITEMS ARE NOT COVERED BY THE TERMS OF YOUR AGREEMENT WITH TIBCO, INCLUDING ANY TERMS CONCERNING SUPPORT, MAINTENANCE, WARRANTIES, AND INDEMNITIES. DOWNLOAD AND USE OF THESE ITEMS IS SOLELY AT YOUR OWN DISCRETION AND SUBJECT TO THE LICENSE TERMS APPLICABLE TO THEM. BY PROCEEDING TO DOWNLOAD, INSTALL OR USE ANY OF THESE ITEMS, YOU ACKNOWLEDGE THE FOREGOING DISTINCTIONS BETWEEN THESE ITEMS AND TIBCO PRODUCTS.

This document is subject to U.S. and international copyright laws and treaties. No part of this document may be reproduced in any form without the written authorization of TIBCO Software Inc.

TIBCO, the TIBCO logo, the TIBCO O logo, TIB, Information Bus, TIBCO BusinessConnect, TIBCO Runtime Agent, TIBCO ActiveMatrix BusinessWorks, TIBCO ActiveMatrix BusinessWorks Plug-in for BusinessConnect, TIBCO BusinessConnect Palette, TIBCO Administrator, TIBCO Designer, TIBCO Rendezvous, and TIBCO Enterprise Message Service are either registered trademarks or trademarks of TIBCO Software Inc. in the United States and/or other countries.

Java and all Java based trademarks and logos are trademarks or registered trademarks of Oracle Corporation and/or its affiliates.

All other product and company names and marks mentioned in this document are the property of their respective owners and are mentioned for identification purposes only.

This software may be available on multiple operating systems. However, not all operating system platforms for a specific software version are released at the same time. See the readme file for the availability of this software version on a specific operating system platform.

THIS DOCUMENT IS PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT.

THIS DOCUMENT COULD INCLUDE TECHNICAL INACCURACIES OR TYPOGRAPHICAL ERRORS. CHANGES ARE PERIODICALLY ADDED TO THE INFORMATION HEREIN; THESE CHANGES WILL BE INCORPORATED IN NEW EDITIONS OF THIS DOCUMENT. TIBCO SOFTWARE INC. MAY MAKE IMPROVEMENTS AND/OR CHANGES IN THE PRODUCT(S) AND/OR THE PROGRAM(S) DESCRIBED IN THIS DOCUMENT AT ANY TIME.

THE CONTENTS OF THIS DOCUMENT MAY BE MODIFIED AND/OR QUALIFIED, DIRECTLY OR INDIRECTLY, BY OTHER DOCUMENTATION WHICH ACCOMPANIES THIS SOFTWARE, INCLUDING BUT NOT LIMITED TO ANY RELEASE NOTES AND "READ ME" FILES.

This and other products of TIBCO Software Inc. may be covered by registered patents. Please refer to TIBCO's Virtual Patent Marking document (<https://www.tibco.com/patents>) for details.

Copyright © 1999-2019. TIBCO Software Inc. All Rights Reserved.

Contents

Preface	v
Related Documentation	vi
TIBCO BusinessConnect SOAP Protocol Documentation	vi
Other TIBCO Product Documentation	vi
Third Party Documentation	vi
Typographical Conventions	viii
TIBCO Product Documentation and Support Services	x
How to Access TIBCO Documentation	x
How to Contact TIBCO Support	x
How to Join TIBCO Community	x
Release Notes	1
New Features	2
Changes in Functionality	3
Deprecated and Removed Features	4
Migration and Compatibility	5
Migrating from Release 7.0.0	5
Migrating from Release 6.2.0	6
Closed Issues	8
Known Issues	9

Preface

TIBCO BusinessConnect™ SOAP Protocol is a business protocol designed to enhance the capabilities of the TIBCO BusinessConnect™ integration platform. Integrated with TIBCO ActiveMatrix BusinessWorks™, you can use TIBCO BusinessConnect SOAP Protocol to create and send private process messages.

Topics

- [Related Documentation, page vi](#)
- [Typographical Conventions, page viii](#)
- [TIBCO Product Documentation and Support Services, page x](#)

Related Documentation

This section lists documentation resources you may find useful.

TIBCO BusinessConnect SOAP Protocol Documentation

The following documents form the *TIBCO BusinessConnect SOAP Protocol* documentation set:

- *TIBCO BusinessConnect SOAP Protocol Installation* Read this manual for instructions on site preparation and installation.
- *TIBCO BusinessConnect SOAP Protocol User's Guide* Read this manual for instructions on using the product to manage SOAP operations between trading hosts and partners.
- *TIBCO BusinessConnect SOAP Protocol 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:

- TIBCO BusinessConnect™
- TIBCO Administrator™
- TIBCO ActiveMatrix BusinessWorks™
- TIBCO Designer™
- TIBCO Runtime Agent™
- TIBCO Rendezvous®
- TIBCO Enterprise Message Service™
- TIBCO BusinessConnect™ Palette
- TIBCO ActiveMatrix BusinessWorks™ Plug-in for BusinessConnect

Third Party Documentation

You may find it useful to read the following third-party documentation:

- The specification for the SOAP protocol
<http://www.w3.org/TR/SOAP>
- Web Services Security UsernameToken Profile 1.1 OASIS Standard Specification, 1 February 2006
<http://docs.oasis-open.org/wss/v1.1/wss-v1.1-spec-os-UsernameTokenProfile.pdf>
- Web Services Addressing (WS-Addressing). W3C Member Submission, 10 August 2004
<http://www.w3.org/Submission/ws-addressing>
- SOAP Message Transmission Optimization Mechanism. W3C Recommendation, 25 January 2005
<http://www.w3.org/TR/2005/REC-soap12-mtom-20050125>
- Assertions and Protocols for the OASIS Security Assertion Markup Language (SAML) V2.0 OASIS Standard, 15 March 2005
<http://docs.oasis-open.org/security/saml/v2.0/saml-core-2.0-os.pdf>
- Authentication Context for the OASIS Security Assertion Markup Language (SAML) V2.0 OASIS Standard, 15 March 2005
<http://docs.oasis-open.org/security/saml/v2.0/saml-authn-context-2.0-os.pdf>
- Web Services Security: SAML Token Profile 1.1 OASIS Standard, 1 February 2006
<https://www.oasis-open.org/committees/download.php/16768/wss-v1.1-spec-os-SAMLTTokenProfile.pdf>
- Web Services Security: SOAP Message Security 1.1 (WS-Security 2004) OASIS Standard Specification, 1 February 2006
<http://docs.oasis-open.org/wss/v1.1/wss-v1.1-spec-os-SOAPMessageSecurity.pdf>



TIBCO provides no warranties or assurances regarding the content located in the foregoing websites.




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>	<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">• Name 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 > All Programs menu.• Path The folder into which the product is installed. This folder is referenced in documentation as <i>TIBCO_HOME</i>. <p><i>TIBCO BusinessConnect SOAP Protocol</i> installs into a directory within a <i>TIBCO_HOME</i>. This directory is referenced in documentation as <i>BCSOAP_HOME</i>. The default value of <i>BCSOAP_HOME</i> depends on the operating system. For example, on Windows systems, the default value is C:\tibco\bc\version\protocols\soap.</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]

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"> • To indicate a document title. For example: See <i>TIBCO BusinessConnect 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: <code>MyCommand <i>pathname</i></code>
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

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 SOAP Protocol is available on the <https://docs.tibco.com/products/tibco-businessconnect-soap-protocol> 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 7.1.0 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.

Topics

- [New Features, page 2](#)
- [Changes in Functionality, page 3](#)
- [Deprecated and Removed Features, page 4](#)
- [Migration and Compatibility, page 5](#)
- [Closed Issues, page 8](#)
- [Known Issues, page 9](#)

New Features

No new features have been added in this release of TIBCO BusinessConnect SOAP Protocol.

Changes in Functionality

No functionality changes have been made in this release of TIBCO BusinessConnect SOAP Protocol.

Deprecated and Removed Features

No features have been deprecated or removed as of this release of TIBCO BusinessConnect SOAP Protocol.

Migration and Compatibility

The following information provides migration procedures for this release of TIBCO BusinessConnect SOAP Protocol.

Migrating from Release 7.0.0

TIBCO BusinessConnect SOAP Protocol 7.1.0 is based on TIBCO BusinessConnect 7.2.0.

To migrate from TIBCO BusinessConnect SOAP Protocol 7.0.0 to 7.1.0, complete the following steps:

1. Export the installation configuration file in the original environment where TIBCO BusinessConnect 7.0.0 or later and TIBCO BusinessConnect SOAP Protocol 7.0.0 are installed.
 - a. Log in to TIBCO Administrator, click **BusinessConnect** in the left panel, and then click **Manage** in the right panel.
 - b. Click **Export** next to **Import and Export** in the **Management** area.
 - c. Click **Export** and wait for the export process to be completed. Setting the password is optional.
 - d. When the export process is completed, click **Download**. Save the exported .csx file to a desired location.
2. Undeploy TIBCO BusinessConnect 7.0.0 or 7.1.0 and delete the existing TIBCO BusinessConnect application.
3. Deactivate TIBCO BusinessConnect SOAP Protocol 7.0.0 from TIBCO Administrator.
 - a. Click **BusinessConnect**, and then click **Manage**.
 - b. Click the **Protocol Plug-in Activation** tab, select the **SOAP** check box, and click **Deactivate**. You are logged off automatically.
4. Uninstall TIBCO BusinessConnect SOAP Protocol 7.0.0 and TIBCO BusinessConnect 7.0.0 or later from all machines under this TIBCO Administrator domain.
5. Install TIBCO BusinessConnect 7.2.0.

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

6. Restart TIBCO Hawk and TIBCO Administrator.

7. Expand **Resource Management > Installed Software** in TIBCO Administrator to verify that TIBCO BusinessConnect 7.2.0 is installed.
8. Install TIBCO BusinessConnect SOAP Protocol 7.1.0.
 - a. Log in to TIBCO Administrator again, click **BusinessConnect**, and then click **Manage**.
 - b. Configure the JDBC settings to connect to your previous configuration store.
 - c. Click **Create** next to **Create Installation** in the **Management** area. You are logged off automatically.
9. Activate TIBCO BusinessConnect SOAP Protocol 7.1.0.
10. Import the .csx file that you saved in [step 1](#).
11. Create and deploy the TIBCO BusinessConnect application.

Verify that the configurations made in the original environment are now available in the new environment.

Migrating from Release 6.2.0

TIBCO BusinessConnect SOAP Protocol 7.1.0 is based on TIBCO BusinessConnect 7.2.0.

To migrate from TIBCO BusinessConnect SOAP Protocol 6.2.0 to 7.1.0, complete the following steps:

1. Export the installation configuration file in the original environment where TIBCO BusinessConnect 6.3.0/6.4.0 and TIBCO BusinessConnect SOAP Protocol 6.2.0 are installed.
 - a. Log in to TIBCO Administrator, click **BusinessConnect** in the left panel, and then click **Manage** in the right panel.
 - b. Click **Export** next to **Import and Export** in the **Management** area.
 - c. Click **Export** and wait for the export process to be completed. Setting the password is optional.
 - d. When the export process is completed, click **Download**. Save the exported .csx file to a desired location.
2. Undeploy TIBCO BusinessConnect 6.3.0/6.4.0, and delete the existing TIBCO BusinessConnect application.

3. Deactivate TIBCO BusinessConnect SOAP Protocol 6.2.0 from TIBCO Administrator.
 - a. Click **BusinessConnect**, and then click **Manage**.
 - b. Click the **Protocol Plug-in Activation** tab, select the **SOAP** check box, and click **Deactivate**. You are logged off automatically.
4. Uninstall TIBCO BusinessConnect SOAP Protocol 6.2.0 and TIBCO BusinessConnect 6.3.0/6.4.0 from all machines under this TIBCO Administrator domain.
5. Install TIBCO BusinessConnect 7.2.0.

To upgrade to TIBCO BusinessConnect 7.2.0, see the migration section in *TIBCO BusinessConnect Release Notes 7.2.0*.
6. Restart TIBCO Hawk and TIBCO Administrator.
7. Expand **Resource Management > Installed Software** in TIBCO Administrator to verify that TIBCO BusinessConnect 7.2.0 is installed.
8. Install TIBCO BusinessConnect SOAP Protocol 7.1.0.
 - a. Log in to TIBCO Administrator again, click **BusinessConnect**, and then click **Manage**.
 - b. Configure the JDBC settings to connect to your previous configuration store.
 - c. Click **Create** next to **Create Installation** in the **Management** area. You are logged off automatically.
9. Activate TIBCO BusinessConnect SOAP Protocol 7.0.0.
10. Import the .csx file that you saved in [step 1](#).
11. Create and deploy the TIBCO BusinessConnect application.
12. Verify that the configurations made in the original environment are now available in the new environment.

Closed Issues

The following issues have been fixed in this release ofTIBCO BusinessConnect SOAP Protocol.

Key	Summary
SOAP-1412	The audit log displayed REQUEST_TO_EDI state with "Error sending CAQH request message to EDI protocol, details: Send CAQH request to EDI protocol timeout in 300 seconds." description in the CAQH real time transactions.
SOAP-1389	When GCM values were selected as the type of an encryption algorithm in an Encryption Info Settings field under Outbound Doc Exchange tab, the transaction failed and error messages were displayed at the Initiator and Responder side.
SOAP-1338	After upgrading TIBCO BusinessConnect from version 6.2.0 to version 6.4.0, you could see "Sending SOAPFault. Fault String: TP not allowed access, reason: Operation not bound for trading partner" error message displayed for an outbound transaction.

Known Issues

The following issues exist in this release of TIBCO BusinessConnect SOAP Protocol.

Key	Summary/Workaround
SOAP-1070	<p>Summary: After installing TIBCO BusinessConnect ebXML Protocol version 6.0.1 or 6.0.0, and TIBCO BusinessConnect SOAP Protocol 6.1.0 in the same TIBCO BusinessConnect environment, the following error occurs when sending a message: "java.lang.NoClassDefFoundError: Could not initialize class org.apache.ws.security.WSSecurityEngine".</p> <p>Workaround:</p> <ol style="list-style-type: none"> 1. Open each BusinessConnect-Interior_Server.tra file in the <i>TIBCO_HOME/tra/domain/domain_name/application/BusinessConnect</i> directory. 2. Find the <code>tibco.class.path.extended</code> class path. 3. Move the class path of TIBCO BusinessConnect SOAP Protocol 6.1.0 before other class paths.
SOAP-1021	<p>Summary: A null pointer exception error occurs when receiving a synchronous request from an initiator if the Allow All Operations check box is not selected on the responder side, and the Override Action Settings check box in the Action Settings tab is selected for a synchronous request-response operation in the Partner Y can initiate area.</p> <p>Workaround: On the responder side, add an operation binding for the same synchronous request-response operation in the Host X can initiate area.</p>
SOAP-961	<p>Summary: The <code>ENV:encodingStyle</code> attribute is not used in SOAP 1.2 standard. However, the transaction can still be processed correctly by TIBCO BusinessConnect SOAP Protocol.</p> <p>Workaround: None.</p>
SOAP-915	<p>Summary: UsernameToken authentication succeeds even if no user authentication source is configured under BusinessConnect > System Settings > User Authentication Configuration in TIBCO Administrator.</p> <p>Workaround: None.</p>
SOAP-870	<p>Summary: The interoperability between TIBCO BusinessConnect SOAP Protocol 5.1.0 and TIBCO BusinessConnect SOAP Protocol 6.1.0 with SOAP messages that had been encrypted or signed does not work. This is caused by incorrect implementation of library used in TIBCO BusinessConnect SOAP Protocol 5.1.0.</p> <p>Workaround: None.</p>

Key	Summary/Workaround
SOAP-522	<p>Summary: The SOAP fault coming in the body of the Send Response activity is ignored by TIBCO BusinessConnect SOAP Protocol, and TIBCO BusinessConnect SOAP Protocol generates its own fault.</p> <p>Workaround: The <code>soapFault</code> element under the <code>BCResponderResponse</code> node must be used.</p>
SOAP-521	<p>Summary: Palette is not populating details element for fault in body for Send Response activity.</p> <p>Workaround: The <code>soapFault</code> element under the <code>BCResponderResponse</code> node must be used.</p>
SOAP-431	<p>Summary: When sending .gif and .jpg files as attachments with the <code>image/gif</code> or <code>image/jpeg</code> content-type, TIBCO BusinessConnect SOAP Protocol is corrupting the data, and as a result images are getting corrupted on the responder side.</p> <p>Workaround: Use the <code>application/octet-stream</code> content-type to transfer .gif and .jpg files.</p>
SOAP-289	<p>Summary: Schemas imported in TIBCO Administrator by using the WSDL tool contain duplicate import statements.</p> <p>Workaround: None.</p>
SOAP-252	<p>Summary: Importing the WSDL files into TIBCO BusinessConnect configuration creates a transport for the trading partner. If this transport name already exists, the <code>wsdlimport</code> tool creates a new transport. However, in TIBCO Administrator, the two transports are displayed with the same name.</p> <p>Workaround: None.</p>
SOAP-238	<p>Summary: After exporting two versions of the same interface that has same operations into a WSDL file, the generated WSDL file fails to be loaded if imported.</p> <p>Workaround: Export the two versions of the same interface into two different WSDL files.</p>
SOAP-134	<p>Summary: When trying to remove both header and body schemas in Operations Editor > SOAP > Operation Type > Request/Response Action with the Validate Message check box selected, the schemas cannot be removed. But click Cancel first and then click Save, the schemas can be removed.</p> <p>Workaround: None.</p>
SOAP-119	<p>Summary: When an incoming SOAP message exceeds the size of the value defined under BusinessConnect > Gateway > Gateway Services > HTTP > Transport > Advanced > Data Streaming Threshold (KB), it is still sent to the private process as a string instead of a file reference.</p> <p>Workaround: None.</p>