

# **TIBCO BusinessConnect™ B2BPlugin for CMI**

## **User's Guide**

*Software Release 1.0  
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# Preface



**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. Please see the readme.txt file for the availability of this software version on a specific operating system platform.**

This manual describes how to install and configure TIBCO BusinessConnect™ B2BPlugin for CMI.

## Topics

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

## Related Documentation

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This section lists documentation resources you may find useful.

### Documentation

The following documents form the TIBCO BusinessConnect B2BPlugin for CMI documentation set:

- *TIBCO BusinessConnect™ B2BPlugin for CMI Installation and Configuration.* Read this manual to learn about installing and deploying TIBCO BusinessConnect B2BPlugin for CMI.
- *TIBCO BusinessConnect™ B2BPlugin for CMI User's Guide.* Read this manual to learn about using TIBCO BusinessConnect B2BPlugin for CMI. It contains information on use and configuration that is common to all the B2BPlugin protocols.
- *TIBCO BusinessConnect™ B2BPlugin for CMI B2B-EDIFACT Configuration.* Read this manual for instructions on configuring the B2B-EDIFACT protocol.
- *TIBCO BusinessConnect™ B2BPlugin for CMI B2B-TEXT Configuration.* Read this manual for instructions on configuring the B2B-TEXT protocol.
- *TIBCO BusinessConnect™ B2BPlugin for CMI B2B-TRADACOMS Configuration.* Read this manual for instructions on configuring the B2B-TRADACOMS protocol.
- *TIBCO BusinessConnect™ B2B B2BPlugin B2B-X12 Configuration.* Read this manual for instructions on configuring the B2B-X12 protocol.
- *TIBCO BusinessConnect™ B2BPlugin for CMI Release Notes.* Read this manual for information on new features and resolved and open issues for TIBCO BusinessConnect B2BPlugin for CMI.

### Other TIBCO Product Documentation

You may find it useful to read the documentation for the following TIBCO products:

- TIBCO BusinessConnect™ software
- TIBCO Administrator™ software
- TIBCO ActiveMatrix BusinessWorks™ software
- TIBCO Designer™ software

# Typographical Conventions

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The following typographical conventions are used in this manual.

Table 1 General Typographical Conventions

Convention	Use
<i>TIBCO_HOME</i> <i>ENV_NAME</i> <i>b2bplugin_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_NAME</i>. The default value of <i>ENV_NAME</i> depends on the operating system. For example, on Windows systems the default value is C:\tibco.</p> <p>TIBCO BusinessConnect B2BPlugin for CMI installs into a directory within <i>TIBCO_HOME</i> or <i>ENV_NAME</i>. This directory is referenced in documentation as <i>b2bplugin_HOME</i>. The default value of <i>b2bplugin_HOME</i> depends on the operating system. For example on Windows systems, the default value is C:\tibco\bc\version\protocols\b2bplugin.</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>
<b>bold code font</b>	<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 BusinessConnect™ B2BPlugin for CMI Installation and Configuration</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: <code>MyCommand <i>PathName</i></code></li> </ul>
Key combinations	<p>Key names 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.

## Connecting with TIBCO Resources

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### How to Join TIBCOmmunity

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

### How to Access All TIBCO Documentation

After you join TIBCOmmunity, you can access the documentation for all supported product versions here:

<http://docs.tibco.com/TibcoDoc>

### How to Contact TIBCO Support

For comments or problems with this manual or the software it addresses, please 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 username and password. If you do not have a username, you can request one.



## Chapter 1 **Introduction**

This chapter gives an introduction to EDI and TIBCO BusinessConnect B2BPlugin for CMI.

### Topics

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- [The EDI Standard, page 2](#)
- [Overview, page 3](#)
- [Protocol Variants, page 4](#)
- [Transports, page 5](#)
- [Security, page 7](#)
- [Messages, page 9](#)

## The EDI Standard

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EDI (Electronic Data Interchange) is a standardized messaging framework developed by industry groups for exchanging information between trading partners in a structured, pre-determined format.

Early electronic interchanges were based on proprietary formats agreed upon between two trading partners. Because of differing document formats, it was difficult for a company to exchange data electronically with many trading partners. A standard format for data exchange was needed.

In the late 1970s, work began on national EDI standards. Together, users and vendors created a set of data formats that were hardware-independent and unambiguous, and which reduced the labor-intensive tasks of exchanging data and allowed the sender of the data to control the exchange.

Although today there are many syntaxes for EDI, ANSI X12 and UN Electronic Data Interchange For Administration, Commerce are the most widely recognized. ANSI X12 is an EDI standard developed and used mainly in the United States.

Standards are mandated for use within the United States government.

## EDI Data Formats

The following EDI data formats are supported:

- X12 North American ANSI Standard
- X12N Health Care
- UN/EDIFACT United Nations EDI Trade
- TRADACOMS data format Article Numbering Association UK
- User-defined Delimited and Positional files
- VICS EDI Retail Industry

## Overview

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TIBCO BusinessConnect B2BPlugin for CMI is a pass-through EDI protocol that receives EDI documents over transports such as AS1, AS2, HTTP, HTTPS, EMAIL, FTP, and SFTP. It performs message processing, packaging, and sends them outbound.

TIBCO BusinessConnect B2BPlugin for CMI performs neither validation and/or conversion of the EDI documents, nor does it perform message batching or acknowledgement reconciliation. It is allowed to retrieve configuration data about interchange header, group header, delimiters, guideline, schema and conversion maps from the TIBCO BusinessConnect configuration store by TIBCO BusinessConnect ConfigStore Management Interface (CMI) protocol, and then to perform conversion and/or validation using the private process.

TIBCO BusinessConnect B2BPlugin for CMI supports four protocols: B2B-X12, B2B-EDIFACT, B2B-TEXT, and B2B-TRADACOMS. All four protocols support sending out of the relevant protocol data and receiving this data from the private process.

## Protocol Variants

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TIBCO BusinessConnect B2BPlugin for CMI includes the following variants, which provide support for the leading EDI industry standards:

- **B2B-EDIFACT** Provides support for UN/EDIFACT.  
See *TIBCO BusinessConnect B2BPlugin for CMI, B2B-EDIFACT Configuration* for more information about configuring and using this variant.
- **B2B-TEXT** See *TIBCO BusinessConnect B2BPlugin for CMI, B2B-TEXT Configuration* for more information about configuring and using this variant.
- **B2B-TRADACOMS** See *TIBCO BusinessConnect B2BPlugin for CMI, B2B-TRADACOMS Configuration* for more information about configuring and using this variant.
- **B2B-X12** See *TIBCO BusinessConnect B2BPlugin for CMI, B2B-X12 Configuration* for more information about configuring and using this variant.

## Transports

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TIBCO BusinessConnect B2BPlugin for CMI offers these transport features:

- B2B-EDIFACT
  - Notify operation: HTTP, FTP, FTPS, FILE, AS2\_HTTP, AS2\_HTTPS, AS1\_EMAIL, EMAIL, SSHFTP, and Inbox.
- B2B\_TEXT
  - Notify operation: FTP, FTPS, FILE, AS2\_HTTP, AS2\_HTTPS, SSHFTP, and Inbox.
- B2B-TRADACOMS
  - Notify operation: HTTP, FTP, FTPS, FILE, AS2\_HTTP, AS2\_HTTPS, AS1\_EMAIL, EMAIL, SSHFTP, and Inbox.
- B2B-X12
  - Notify operation: HTTP, HTTPS, FTP, FTPS, FILE, AS2\_HTTP, AS2\_HTTPS, AS1\_EMAIL, EMAIL, SSHFTP, and Inbox.
  - Synchronous Request Response operation: HTTP

TIBCO BusinessConnect B2BPlugin for CMI, except for the B2B-X12 using the Synchronous Request Response, allow use of the Inbox transport in order to exchange files with partners who are using the following products:

- TIBCO BusinessConnect Plug-in for SSH Server
- TIBCO BusinessConnect Plug-in for FTP Server
- TIBCO PartnerExpress

### Set Up Trading Partner Transport via Inbox

TIBCO BusinessConnect B2BPlugin for CMI supports exchange of files with TIBCO BusinessConnect Plug-in for SSH Server, TIBCO BusinessConnect Plug-in for FTP Server, and TIBCO PartnerExpress.

When a transport is configured as Inbox, all variants of TIBCO BusinessConnect B2BPlugin for CMI will be able to exchange files with partners who have installed the mentioned products.

### Support for FTP and SSH Server Plug-ins

On outbound, trading partners can use an FTP client to log into a FTP or an SSH server and download EDI data from an Inbox folder.

On inbound, trading partners can use an FTP client to log into a FTP or an SSH server, and upload EDI data into the corresponding protocol's Outbox folder. TIBCO BusinessConnect B2BPlugin for CMI will automatically pick up EDI data from the Outbox folder and process it as inbound EDI data.

### **Support for TIBCO PartnerExpress**

On outbound, trading partners can log into TIBCO PartnerExpress administrative GUI, and download EDI data posted in the Inbox.

On inbound, TIBCO BusinessConnect B2BPlugin for CMI will automatically pick up EDI data uploaded from the TIBCO PartnerExpress administrative GUI, and process it as inbound EDI data.

## Security

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TIBCO BusinessConnect B2BPlugin for CMI these security features:

- MIME and S/MIME public message packaging protocols.
- Message and payload encryption (S/MIME) with DES3, RC2-40 and RC2-128 algorithms.
- Signing with digital signatures (S/MIME) used for authentication and Non-repudiation.
- Custom FTP scripts are used to support communication with Secure FTP servers are implemented over Secure Socket Layer (SSL).

## Integration

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TIBCO BusinessConnect B2BPlugin for CMI offers these integration features:

- TIBCO ActiveMatrix BusinessWorks activities to send and receive EDI documents and receive advisory messages for errors.
- Compatible with TIBCO BusinessConnect Palette for TIBCO ActiveMatrix BusinessWorks to integrate back-end systems for exchanging EDI documents with your trading partners.

For a list of the features available with each instance of TIBCO BusinessConnect, see Features in the *TIBCO BusinessConnect Trading Partner Administration*.

# Messages

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In a transaction performed by TIBCO BusinessConnect B2BPlugin for CMI, two partners exchange business documents over the Internet based on the pre-defined rules. These protocol standards specify what message formats and transport protocols the partners have agreed to use.

See *TIBCO BusinessConnect Trading Partner Administration, Business Agreements Overview*, for more information on the partner agreement. The exchange of business documents is known as the *process flow*. In any process flow, two types of messages are exchanged: private and public messages

## Private Messages and Processes

Private messages are exchanged between private processes and TIBCO BusinessConnect. They can contain a request, response, or a notification document. For a detailed description see [Chapter 6, Private Messages, page 39](#). Private processes map the data from your application systems to TIBCO BusinessConnect B2BPlugin for CMI and from it to your application systems. The following types of private processes can be used:

- **Standalone** Standalone private processes use TIBCO Rendezvous Certified Messaging or JMS to communicate with TIBCO BusinessConnect B2BPlugin for CMI.
- **TIBCO ActiveMatrix BusinessWorks** These processes can either send requests to, or receive replies from the TIBCO BusinessConnect B2BPlugin for CMIserver. For more information, see tutorial chapters in the B2B-EDI protocol configuration guides:
  - *TIBCO BusinessConnect B2BPlugin for CMI, B2B-EDIFACT Configuration, Chapter 2, Tutorial — Getting Started*
  - *TIBCO BusinessConnect B2BPlugin for CMI, B2B-TEXT Configuration, Chapter 2, Tutorials — Getting Started*
  - *TIBCO BusinessConnect B2BPlugin for CMI, B2B-TRADACOMS Configuration, Chapter 2, Tutorials — Getting Started*
  - *TIBCO BusinessConnect B2BPlugin for CMI, B2B-X12 Configuration, Chapter 2, Tutorials — Getting Started*

## Public Messages

TIBCO BusinessConnect takes care of the public process exchanges documents with a trading partner over the Internet using the message formats and protocols specified by the EDI protocol standards.



## Chapter 2    **Exchanging Documents**

This chapter describes the steps involved in setting up TIBCO BusinessConnect B2BPlugin for CMI for the exchange of documents with your trading partners.

### Topics

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- [Overview, page 12](#)
- [Setting Up Trading Partners, page 13](#)
- [Creating Private Processes, page 14](#)
- [Exchanging URI Definitions, page 16](#)
- [Exchanging Identity Information, page 17](#)

## Overview

Setup of TIBCO BusinessConnect B2BPlugin for CMI for document exchange requires several steps, which are listed in [Table 1](#).

Table 1 EDI Protocol Setup Tasks

Step #	Step Definition	Software	Tasks
1	<a href="#">Setting Up Trading Partners</a>	TIBCO BusinessConnect Configuration GUI	<ul style="list-style-type: none"> <li>• Configure host</li> <li>• Configure trading partners</li> </ul>
2	<a href="#">Creating Private Processes</a>	TIBCO ActiveMatrix BusinessWorks	<ul style="list-style-type: none"> <li>• Connect to TIBCO BusinessConnect</li> <li>• Create processes</li> <li>• Map data</li> </ul>
3	<a href="#">Exchanging URI Definitions</a>		
4	<a href="#">Exchanging Identity Information</a>		



As you set up TIBCO BusinessConnect B2BPlugin for CMI for document exchange, you may also want to consider whether the location of the TIBCO BusinessConnect shared temporary directory is appropriate; TIBCO BusinessConnect B2BPlugin for CMI makes extensive use of this directory.

For more information about the shared temporary directory, see the *TIBCO BusinessConnect Server Administration Guide*, Configure Large, Shared, and Temp File Locations.

## Setting Up Trading Partners

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The next step in preparing to run TIBCO BusinessConnect B2BPlugin for CMI is to specify your host and trading partner information.

- Host information includes your interchange identifier and qualifier.
- Trading partner information includes:
  - Interchange identifier and qualifier
  - Transport settings

The following sections discuss EDI-specific trading partner configuration options. For other host and trading partner configuration information, please refer to the *TIBCO BusinessConnect Trading Partner Administration Guide* and the configuration guides for the EDI protocol standards:

- *TIBCO BusinessConnect B2BPlugin for CMI, B2B-EDIFACT Configuration*
- *TIBCO BusinessConnect B2BPlugin for CMI, B2B-TEXT Configuration*
- *TIBCO BusinessConnect B2BPlugin for CMI, B2B-TRADACOMS Configuration*
- *TIBCO BusinessConnect B2BPlugin for CMI, B2B-X12 Configuration*

## Creating Private Processes

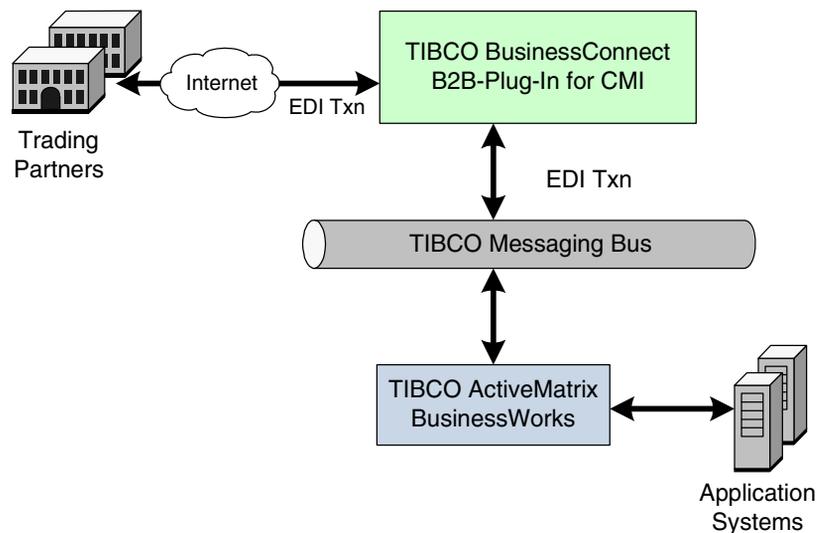
The final step in configuring TIBCO BusinessConnect B2BPlugin for CMI for EDI message exchange is creating private processes to interface to the protocol.

TIBCO BusinessConnect B2BPlugin for CMI will exchange EDI messages with your trading partners, but it does not perform mapping or routing of transaction message data to your internal applications.

Use TIBCO Designer to design and implement private processes or you can use TIBCO Rendezvous or TIBCO Enterprise Message Service™ programming API to implement your standalone private process.

**Figure 1** shows the flow of messages through a system using TIBCO BusinessConnect B2BPlugin for CMI and TIBCO ActiveMatrix BusinessWorks.

*Figure 1 TIBCO BusinessConnect B2BPlugin for CMI and TIBCO ActiveMatrix BusinessWorks*



You can use the TIBCO Designer to create TIBCO ActiveMatrix BusinessWorks processes, which act as private processes to map and route the data. TIBCO BusinessConnect B2BPlugin for CMI can exchange messages with TIBCO ActiveMatrix BusinessWorks in EDI format.

## TIBCO BusinessConnect Palette



To use TIBCO ActiveMatrix BusinessWorks processes as private processes for TIBCO BusinessConnect B2BPlugin for CMI, you first need to install the TIBCO BusinessConnect palette from the product TIBCO BusinessConnect Services Plug-in, and then the B2BPlugin palette from TIBCO BusinessConnect B2BPlugin for CMI.

The TIBCO BusinessConnect Palette contains TIBCO BusinessConnect activities that enable the communication between TIBCO ActiveMatrix BusinessWorks processes and TIBCO BusinessConnect engine.

You must install this palette in your existing TIBCO ActiveMatrix BusinessWorks installation before trying to design processes that interface to TIBCO BusinessConnect B2BPlugin for CMI.

Once TIBCO BusinessConnect Palette is installed, the TIBCO BusinessConnect activities will appear in TIBCO Designer. One of these activities allows you to connect to the TIBCO BusinessConnect Configuration Store and import the operations into TIBCO Designer.

For further information on the activities available for interfacing from TIBCO Designer to TIBCO BusinessConnect B2BPlugin for CMI, see *TIBCO BusinessConnect Palette Reference*.

## Exchanging URI Definitions

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Partners must exchange Uniform Resource Identifiers (URIs) as part of the partner agreement before they can transact e-commerce. Trading partners can trade URI definitions via email, the web or any other method. The URI is part of the trading partner's URL.

See the section on configuring transports in the TIBCO BusinessConnect B2BPlugin for CMI configuration guides for instructions on how to enter the URI when setting up your trading partner.

The following is a list of the available transport protocols and their URI formats:

- **EMAIL** URI format: `mailto:username@domain`  
Example: `mailto:johndoe@tibco.com`
- **FILE** URI format `file://dir/dir` (Directory must be present.)
- **FTP** URI format `ftp://server:port/dir/dir` (Directory can be absent.)



For FILE and FTP, the file name should be specified in the file mask field. See [File Masks on page 23](#) for information on how to specify the file mask field in FILE and FTP transport.

- **HTTP** URI format: `http://server:6700/XXX`  
where XXX is the TIBCO BusinessConnect B2BPlugin for CMI protocol variant: B2B-X12, B2B-EDIFACT, B2B-TEXT, or B2B-TRADACOMS.  
Example: `http://www.gizmo.com:6700/B2B-X12`

## Exchanging Identity Information

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Trading partners must exchange information that they can use to identify the other partner when conducting e-commerce. Trading partners can exchange identity information via email, the web, or any other method.

The identity information that you must share with a trading partner includes the following:

- **Trading partner name** See the sections on setting up trading partners in the relevant configuration guide for information on where you add your partner's company name in the TIBCO BusinessConnect console.
- **Interchange qualifiers and identifiers** Each trading partner involved in the exchange of EDI documents has a interchange qualifier and ID. The qualifier indicates the type of the ID. For example, a qualifier of 01 indicates that the ID is a D-U-N-S number.

After qualifiers and IDs are set up in the TIBCO BusinessConnect console, the values are used as the interchange sender or interchange receiver qualifier and ID.

See the sections on setting up trading partners in the relevant configuration guide for information on where you add your partner's interchange qualifier and identifier.

- **Public certificates** Trading partners should exchange their public certificates for encryption and authentication. Your trading partner public certificate is used to encrypt outgoing messages and authenticate incoming messages signed by your trading partner.

See the *TIBCO BusinessConnect Trading Partner Administration Guide* for information on security in general, certificates files, and instructions on how to set credentials in the TIBCO BusinessConnect console.



## Chapter 3 **Configuring Protocol Features**

This chapter describes the key features in TIBCO BusinessConnect B2BPlugin for CMI.

### Topics

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- [Process Flows and Transaction Types, page 20](#)

## Process Flows and Transaction Types

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The following is an example of how a TIBCO BusinessConnect B2BPlugin for CMI process flow might proceed:

1. A private process inside the Initiator company sends a TIBCO Rendezvous or JMS topic message to TIBCO BusinessConnect. The message contains all fields specified in [Initiator Outbound Request on page 41](#). It includes a document specifying the business operation.
2. TIBCO BusinessConnect B2BPlugin for CMI performs the following functions:
  - Looks up trading partner information to determine the address to which the document must be sent and the security required.
  - Establishes the necessary security for message transmission.
  - Enters transaction information for the audit and non-repudiation databases.
3. TIBCO BusinessConnect sends the document to the Responder. The Responder receives the message, and sends out the document as a TIBCO Rendezvous or JMS topic message to the private process. See [Responder Inbound Request on page 44](#).

What happens next depends on whether the transaction is defined as a notification transaction or a request-response transaction.

### Notification Transaction

For notify activities, TIBCO BusinessConnect on the Initiator side considers the operation complete as soon as request is sent to Responder TIBCO BusinessConnect.

The Initiator TIBCO BusinessConnect creates a notify message that it sends back to its private process to indicate that a transaction has been successfully sent to the trading partner.

The Responder TIBCO BusinessConnect creates a notify message that it sends request from Initiator to its private process.

## Request-Response Transaction

For request-response activity, the Responder site processes the response as follows:

1. The private process must send a message with appropriate response information back to TIBCO BusinessConnect. See [Responder Outbound Synchronous Response, page 46](#).

If the Responder private process is unable to handle the document, it must publish an error response back to the server so that the server can inform the Initiator that the request has failed. See [Responder Outbound Synchronous Response, page 46](#).

2. When the message arrives, the Responder TIBCO BusinessConnect adds appropriate information and converts it to HTTP format, using the specified trading partner, enveloping, and security information. It sends the response to the Initiator TIBCO BusinessConnect.
3. The message arrives at the Initiator TIBCO BusinessConnect. The Initiator verifies the incoming information and sends to the private process.

See [Initiator Inbound Response, page 42](#)

## Timeout and Validation Alerts

If at any point an error occurs, TIBCO BusinessConnect B2BPlugin for CMI will post the following alert messages to the private process:

- [Timeout Alert on page 48](#)



## Chapter 4 **File Masks**

File masks allow you to configure how to retrieve files from and send files to a trading partner.

### Topics

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- [FTP Inbound File Name Masks, page 24](#)
- [FTP and FILE Outbound File Name Masks, page 26](#)

## FTP Inbound File Name Masks

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You use inbound file name masks to control which files FTP-GET retrieves from an FTP server. The FTP-GET mask option is available in the FTP Edit Settings dialog, which is accessible in the Transports tab for a protocol binding.

See *TIBCO BusinessConnect Trading Partner Administration Guide* for more information.

### File Name Mask Examples

If the trading partner's name is `receiver`, and the host's name is `sender`, to generate an inbound file named `receiver.sender.12202004-TIBCO.edi` on December 20, 2004, enter the following mask in the File Mask field:

```
#(TpName). #(HostName). #(MMDDYYYY)-TIBCO.edi
```

Other examples:

- `MyFile.dat`. This example specifies the exact name of the file to be retrieved.
- `TIBCO_#(YYYYMMDD).dat`. This example uses a standard pre-defined variable for retrieving the file.
- `#{var1}_#{var2}.dat`. This example uses user-defined variables for retrieving the file.
- `*`. This example uses the asterisk wildcard character (\*) to retrieve files. This retrieves all files.
- `#{var1}_#{var2}*.dat`. If `var1` is defined as `TIBCO` and `var2` is defined as `B2B-X12`, this would retrieve all files with names beginning with `TIBCO_B2B-X12` and ending with `.dat`.

When wildcard characters are used in the mask, files are retrieved using `mget`. Not all FTP servers implement `mget`. Be sure to verify that your trading partner FTP server supports `mget` before defining file name masks which use the asterisk wildcard character (\*).



The following characters are treated as special in EDI for masks: `#`, `(`, `)`.

Any value between `#` and first closing parenthesis `)` will be checked for a replacement and, if not found, will be made an empty string.

## File Name Mask Syntax

Table 2 lists the mask syntax supported for FTP-GET.



You can use an asterisk (\*) in an FTP-GET mask. This acts as a wildcard.

Masking is applied only to file names. It does not apply to any directory name in the FTP URL. Example: If the FTP URL is

`/local/tibco/bc/ #(TPNAME)/REQUEST/`, and

`/local/tibco/bc/SELLER-AXNT15/REQUEST/` exists, FTP fails.

Table 2 FTP-GET File Name Mask Syntax

Mask Name	Case Sensitivity	Description
<code>#(TpName)</code>	case-insensitive	Trading partner name.
<code>#(HostName)</code>	case-insensitive	Host name.
<code>#(DDD)</code>	case-insensitive	Day of the year.
<code>#(MMDDYYYY)</code>	case-insensitive	MM = Month, DD = Day, YYYY = Year.
<code>#(HHMISSNNN)</code>	case-insensitive	HH = hour, MI = minute, SS = second, NNN = milliseconds.

## FTP and FILE Outbound File Name Masks

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Use outbound file name masks to control how TIBCO BusinessConnect names outbound files sent using FTP and FILE transport. The mask option is available in the Transport tab for each trading partner.

See FTP Outbound and FILE Outbound in *TIBCO BusinessConnect Trading Partner Administration Guide*.

If you leave the file mask field blank, TIBCO BusinessConnect constructs the file name according to the following rule:

- Files sent outbound from an Initiator are named *tpName-DocumentID.request*.

### File Name Mask Examples

If the trading partner's name is *receiver*, and the host's name is *sender*, to generate an outbound file called *receiver.sender.12202002-TIBCO.edi* on December 20, 2002, enter the following mask in the Output File Mask field:

```
#{TpName} . #{HostName} . #{MMDDYYYY} -TIBCO . edi
```

If the trading partner's name is *receiver*, to generate an outbound file named *receiver-12202004-12000003.edi* on December 20, 2004 at 12:00:00.03, specify the mask *#{TpName} - (#MMDDYYYY) - # (HHMISSNNN) . edi*.

### File Name Mask Syntax



You can use an asterisk (\*) in an outbound FILE mask. If a wild card (\*) is used in a File or in a FTP-Put outbound file mask, the outbound document will be sent as *hostname-GUID*. Masking is applied only to file names. It does not apply to any directory name in the FTP or FILE URL. For example, if the FTP or FILE URL is */local/tibco/bc/#{TPNAME}/REQUEST/*, and */local/tibco/bc/SELLER-AXNT15/REQUEST/* exists, FILE naming would fail.

Table 3 lists the mask syntax supported for FTP and FILE outbound.

Table 3 Outbound Transport File Name Mask Syntax

Mask	Case Sensitivity	Description
#(TxName)	Case-insensitive	Name of the transaction. (This mask is not valid for use with batched transactions.)
#(TpName)	Case-insensitive	Trading partner name
#(HostName)	Case-insensitive	Host name
#(DDD)	Case-insensitive	Day of the year
#(MMDDYYYY)	Case-insensitive	MM = Month, DD = Day, YYYY = Year
#(HHMISSNNN)	Case-insensitive	HH = hour, MI = minute, SS = second, NNN = milliseconds
#(guid)	Case-insensitive	Global Unique Identification
#(DocID)	Case-insensitive	Document ID for outbound documents



## Chapter 5 **Viewing Logs**

This chapter discusses how to view audit, non-repudiation, and resend logs after conducting business transactions.

### Topics

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- [Overview, page 30](#)
- [Audit Log, page 32](#)
- [Non-Repudiation Log, page 35](#)
- [Resend Log, page 36](#)

## Overview

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TIBCO BusinessConnect provides several logs which are used to store messages processed through the system. These logs are:

- **Audit log** This log is used to store information about the messages and documents processed by TIBCO BusinessConnect. Using the audit log, one can follow the processing states of inbound or outbound documents.
- **Non-repudiation log** This log is used to provide proof of the delivery of messages. Non-repudiation depends on authentication using digital signatures. Incoming messages which have been digitally signed are authenticated and stored in the non-repudiation database.
- **Resend log** This log displays the audit log transactions eligible to be resent.

## Using the Log Viewer

To search for transaction records and access the log, do the following:

1. Click the **BusinessConnect > Log Viewer** link in the left panel.
2. Click a protocol radio button to select which type of log to view:
  - **Audit** Select this to display the audit log search options. See [Audit Log on page 32](#). If you select the protocol link instead the protocol radio button, the audit log will be selected by default.
  - **Non-Repudiation** Select this to display the non-repudiation search options. See [Non-Repudiation Log on page 35](#).
  - **Resendable Transaction** Select this to display the resendable transactions log search options. See [Resend Log on page 36](#).
  - **Resend History** Select this to display the resendable transaction history. See [Resend Log on page 36](#).
3. Invoke a search by following the description provided in *TIBCO BusinessConnect Trading Partner Administration*.

## Status Codes

[Table 4](#) contains a list of the status codes that can appear in the transaction details for all log types, a description of what the status code means, and TIBCO BusinessConnect B2BPlugin for CMI that supports this status code.

Table 4 Status Codes

Status Code	Description	Protocols
ANY	Any transaction that occurred.	ALL
ANY ERROR	Any error that occurred.	ALL
ANY PENDING	Any transaction that is pending.	ALL
COMPLETED	The individual summary rows are completed and no further audit trail is pending. It also means that the transaction has completed successfully if there were no acks were expected.	ALL
COMPLETED WITH ERRORS		ALL
ERROR	There were general errors during the processing of the transaction.	ALL
ERROR CONFIGURATION	There were problems in identifying the partner and cannot retrieve the business agreement.	ALL
ERROR PARSING	There were problems encountered in parsing the EDI document due to syntactic errors in the document.	ALL
ERROR SECURITY	There were errors encountered in digitally signing/authenticating or encrypting/decrypting the EDI document due to bad/wrong public or private keys.	ALL
ERROR TRANSPORT	The transaction could not be sent due to problems contacting the partner through the transport that was configured to be sent.	ALL
PENDING	The transaction has not yet completed all required states.	ALL
RECEIPT PENDING	Indicates that the transaction that was sent is waiting for a transport level receipt from the partner. Business acknowledgements cannot be reconciled even if they are received before the receipt is received. Only occurs when AS1 or AS2 transport is used.	ALL

## Audit Log

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The audit log is used to store information about the messages and documents processed by TIBCO BusinessConnect. You can use the audit log to follow the processing states of inbound or outbound documents. Some of the types of information stored in the audit log include:

- Sent and received documents
- Document originator
- Trading partner name
- Processing status

### Summary View

The audit log summary view depends on the protocol.

[Table 5, Common Audit Log Columns](#) lists the columns common to all protocols.

The columns specific to each protocol are listed in the following tables:

- [Table 6, B2B-X12 and B2B-EDIFACT Audit Log Columns](#)
- [Table 7, B2B-TEXT Audit Log Columns](#)

*Table 5 Common Audit Log Columns*

Column	Description
Time Stamp	Time when the transaction was processed.
Operation ID	A protocol-specific value identifying the type of the transaction. Example: 00403/005010/850
Document ID	A unique value identifying the transaction.
Trading Partner	Trading partner name. Example: Space Sparrows, Inc.

*Table 6 B2B-X12 and B2B-EDIFACT Audit Log Columns*

Column	Description
Initiated by Host	Values are TRUE or FALSE

Table 6 B2B-X12 and B2B-EDIFACT Audit Log Columns (Cont'd)

Column	Description
Interchange Qlfr	Interchange qualifier used in the interchange envelope header for this request. Example: ZZ
Interchange ID	Interchange ID used in the interchange envelope header for this request. Example: 123456789

Table 7 B2B-TEXT Audit Log Columns

Column	Description
Domain	Domain used in the interchange envelope header for this request. Example: ZZ
Identity	Example: 123456789
Host Initiates	

Table 8 B2B-TRADACOMS Audit Log Columns

Transmission Reference	Sender transmission reference generated by TIBCO Business Connect.
Interchange Name	Transmission name used in the interchange envelope header for this request. Example: TRANSMISSION SENDER
Interchange Code	Transmission code used in the interchange envelope header for this request. Example: 501354600000

## Transaction Details View

To view the details of a transaction, click the document icon  in the left-most column of an audit log entry.

The Log Viewer first displays the general information for this entry, then a table with available information for each event in that transaction. The table columns are listed in [Table 9](#).

Table 9 Transaction Detail Columns

Column	Description
Time Stamp	Time when the transaction was processed
Status	Status of the transaction. See <a href="#">Non-Repudiation Log on page 35</a> for a list of the possible values and a description of the meaning of the status codes.
State	The current state of the message.
Description	<p>Description of the last action recorded for the message. Example: An EDI file was received from the TP.</p> <p>The Description field may also display acknowledgement codes when the messaging event is for an acknowledgement. See <a href="#">Non-Repudiation Log on page 35</a>.</p>

## Non-Repudiation Log

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The non-repudiation logs are used to provide proof of the message delivery and depend on authentication and use of digital signatures. Digitally signed incoming messages are authenticated and stored in the non-repudiation database. Digitally signed outbound messages are also stored in the database. See also *TIBCO BusinessConnect Trading Partner Administration Guide*, Non-repudiation logs.

### Summary View

Not all of the information in the non-repudiation log can be viewed; for example, digital signatures are stored in the log but cannot be displayed. The summary view of the non-repudiation log displays the information in [Table 10](#).

*Table 10 Non-Repudiation Log Columns*

Column	Description
Time Stamp	Time when this message was processed.
Operation ID	A protocol-specific value identifying the message.
Document ID	A unique value identifying this document.
Trading Partner	The trading partner name.

## Resend Log

The resend log allows you to search for and view both resent transactions and resendable transactions. It also allows you to easily initiate a resend.

TIBCO BusinessConnect allows you to resend transactions based on their state. The resendable states vary by business protocol. [Table 11](#) provides detailed information.

Table 11 Resendable States

Transaction Type, State, and Description	Business Protocols
<p><b>New request from back-end private process: RECEIVED_FROM_PP</b></p> <p>TIBCO BusinessConnect uses the primary transport to resend messages to the partner.</p>	B2B-EDIFACT, B2B-TEXT, B2B-TRADAC OMS, B2B-X12
<p><b>InitiatorResponse to private process: RESPONSE_TO_PP</b></p> <p>TIBCO BusinessConnect can resend these private process messages to TIBCO Rendezvous or JMS. See <i>TIBCO BusinessConnect User's Guide</i> for information about how TIBCO Rendezvous and JMS messages are resent.</p>	B2B-EDIFACT, B2B-TEXT, B2B-TRADAC OMS, B2B-X12,
<p><b>ResponderRequest to private process: REQUEST_TO_PP</b></p> <p>TIBCO BusinessConnect can resend these private process messages to TIBCO Rendezvous or JMS. See <i>TIBCO BusinessConnect User's Guide</i> for information about how TIBCO Rendezvous and JMS messages are resent.</p>	B2B-EDIFACT, B2B-TEXT, B2B-TRADAC OMS, B2B-X12

Click to resend a message that was not successfully sent the first time. You should *use caution* when using this feature. If the resend request is activated before the current transaction completes or returns an error, the outcome is beyond control of the protocol.

The **Resend** button is always available, except when a transaction is:

- A resent transaction itself. That is, not the original request message, but a message that was resent.
- A transaction that is currently queued for resending, but is not yet processed.

You can resend these messages:

- Initiator request
- an Initiator receiving an Initiator response

- a Responder receiving a message from the trading partner
- Responder request

Resending a message is identical to making a new message request, and can result in multiple transactions of the same request.

For outbound documents, selecting Resend retransmits this document to the trading partner. For inbound documents, selecting Resend will resend the message to the private process.

For more information on the Resend Log, see the chapter on Viewing Logs and Reports in *TIBCO BusinessConnect Trading Partner Administration Guide*.

## Manual Resend Scenarios

The following scenarios are supported for outbound requests:

- Resend to reprocess the EDI request from the private process. A new EDI document is resent to your trading partner.

This resend is available for the audit log entry with state `RECEIVED_FROM_PP`.

- Resend to republish the response to the private process. The previous response from the trading partner is published to the private process again.

This resend is available for the audit log entry with state `RESPONSE_TO_PP`.

The following scenarios are supported for inbound requests:

- Resend to republish the received EDI request for an incoming transaction to the private process. The previous EDI request from the trading partner is published to the private process again.

This resend is available for the audit log entry with state `REQUEST_TO_PP`.

- Resend to reprocess the incoming EDI document received from your trading partner. .



## Chapter 6 **Private Messages**

This appendix describes private message formats in TIBCO BusinessConnect B2BPlugin for CMI transactions.

### Topics

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- [Overview, page 40](#)
- [Initiator Messages, page 41](#)
- [Responder Messages, page 44](#)
- [General Messages, page 48](#)

## Overview

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The following sections describe the messages used for private request and response document exchange in TIBCO BusinessConnect B2BPlugin for CMI.

You can use either TIBCO Rendezvous or JMS as the transport method for private process messages. The message-packet format varies with these two transport methods.

With TIBCO Rendezvous, TIBCO BusinessConnect uses a subject name constructed as follows:

*prefix.installation.standardID.message\_category.message\_type*

For example:

AX.BC.BC-ACME.B2B-X12.INITIATOR.REQUEST

With JMS, TIBCO BusinessConnect uses a JMS queue for Initiator/Responder messages and a JMS topic for general messages. The topic name or queue name is constructed as follows:

*prefix.installation.message\_category.message\_type*

For example:

AX.BC.BC-ACME.INITIATOR.REQUEST

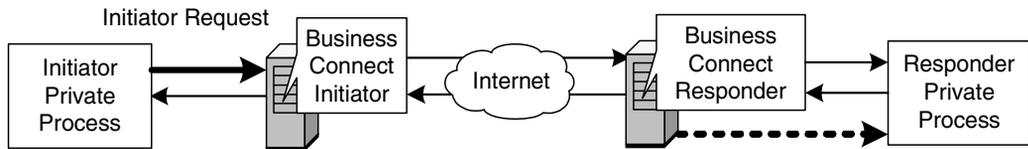
Topic and queue names do not include the standardID.

## Initiator Messages

### Initiator Outbound Request

The Initiator private process uses this message to handle outbound requests.

Figure 2 Initiator Outbound Request



**Rendezvous Subject Name** *prefix.installation.standardID.INITIATOR.REQUEST*  
 Example: AX.BC.BC-ACME.B2B-X12.INITIATOR.REQUEST

**JMS Queue Name** *prefix.installation.INITIATOR.REQUEST*  
 Example: AX.BC.BC-ACME.INITIATOR.REQUEST

**Message Name** InitiatorRequest

Table 12 Initiator Request

Field	Type	Req uired	Description
standardID	String	Yes	B2B-X12, B2B-EDIFACT, B2B-TEXT, B2B-TRADACOMS
operationID	String	Yes	ID of operation to be performed. Format: <i>interchange_version/group_version/transactionoperation</i> Example: 00403/005010/850
transaction ID	String	Yes	An ID unique within Initiator private process's environment for this transaction. The private process creates this ID.
tpName	String	Yes	Trading partner name.
encoding	String	No	The encoding used in the request.  Example: UTF-16. When sending UTF-16 encoded request of EDI documents, this field should have a value of UTF-16.

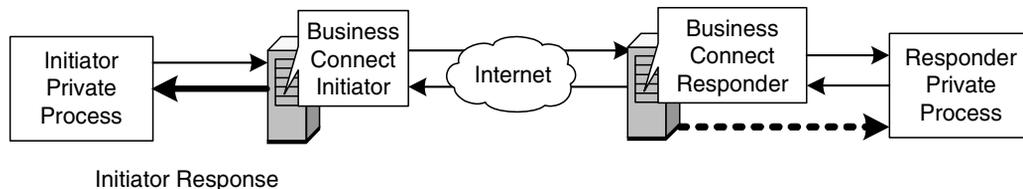
Table 12 Initiator Request

Field	Type	Required	Description
closure	Any	Yes	The closure message is sent to the private process.
request	String	No	A string representing the message body or TIBCO Rendezvous/JMS representation of an EDI file.
inputFile	String	No	Optional. Specifies the full path of the file where the EDI request is stored. If this is specified, the request is read from the file. The request field takes precedence.

## Initiator Inbound Response

This message indicates if a `InitiatorRequest` has been successfully sent to your trading partner. If the requesting operation is a synchronous operation, this message contains the synchronous response EDI message received from the trading partner.

Figure 3 Initiator Inbound Response



<b>Rendezvous Subject Name</b>	<code>prefix.installation.standardID.INITIATOR.RESPONSE</code> Example: <code>AX.BC.BC-ACME.B2B-X12.INITIATOR.RESPONSE</code>
<b>JMS Queue Name</b>	<code>prefix.installation.INITIATOR.RESPONSE</code> Example: <code>AX.BC.BC-ACME.INITIATOR.RESPONSE</code>
<b>Message Name</b>	<code>InitiatorResponse</code>

Table 13 InitiatorResponse (Sheet 1 of 2)

Field	Type	Required	Description
response	String	No	A string representing the message body or TIBCO Rendezvous/JMS representation of an EDI file.

Table 13 InitiatorResponse (Sheet 2 of 2)

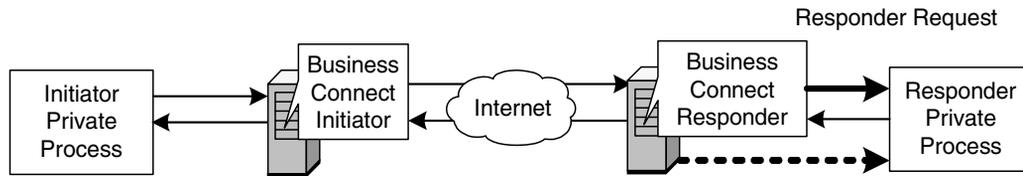
Field	Type	Required	Description
standardID	String	Yes	B2B-X12, B2B-TEXT, B2B-TRADACOMS, B2B-EDIFACT.
operationID	String	Yes	ID of operation to be performed. Format: <i>interchange_version/group_version/transactionoperation</i> Example: 00403/005010/850
transactionID	String	Yes	The response's transaction ID.
statusCode	Integer	Yes	200 success. Otherwise, one of the error codes. See <a href="#">Appendix B, Status and Error Codes, on page 57</a> .
statusMsg	String	Yes	OK, or the string representing the cause of the error. In this case, the response might be an error document. See <a href="#">Appendix B, Status and Error Codes, on page 57</a> .
duplicate	Boolean	No	Set to true if the private process sent a duplicate document.
closure	Any	Yes	The private process generates the closure message and sends it to TIBCO BusinessConnect.  TIBCO BusinessConnect is required to return this closure contents back in the InitiatorResponse to ensure that the private process can match it with the original InitiatorRequest.

## Responder Messages

### Responder Inbound Request

The Responder private process uses this message to handle inbound requests.

Figure 4 Responder Inbound Request



**Rendezvous Subject Name**

*prefix.installation.standardID.RESPONDER.REQUEST*

Example: AX.BC.BC-ACME.B2B-X12.RESPONDER.REQUEST

**JMS Queue Name**

*prefix.installation.RESPONDER.REQUEST*

Example: AX.BC.BC-ACME.RESPONDER.REQUEST

**Message Name**

ResponderRequest

Table 14 ResponderRequest (Sheet 1 of 2)

Field	Type	Required	Description
standardID	String	Yes	B2B-X12, B2B-TEXT, B2B-TRADACOMS, B2B-EDIFACT.
operationID	String	Yes	ID of operation to be performed. Format: <i>interchange_version/group_version/transactionoperation</i> Example: 00403/005010/850
operationType	String	No	Notify or Synchronous Request Response
transactionID	String	Yes	Unique ID that the Responder TIBCO BusinessConnect generates to associate with an inbound message.
sourceTP	String	Yes	Name of the Initiator of this message.
destinationTP	String	Yes	Name of the Responder to this message.

Table 14 ResponderRequest (Sheet 2 of 2)

Field	Type	Required	Description
resend	Boolean	No	Indicates if this request is generated based on re-processing of an inbound EDI document triggered by the resend link from the audit log viewer.
closure	Any	No	Used for the synchronous request-response operation. TIBCO BusinessConnect generates the closure message and sends it to the local private process. If this is a request of a synchronous request-response operation, the private process is required to return this closure contents back in the ResponderResponse message to ensure that TIBCO BusinessConnect can match it with the original Responder request message.
request	String	No	A string representing the message body or TIBCO Rendezvous/JMS representation of an EDI file. This string is the converted EDI information for one transaction in the EDI document that was received from the trading partner.  If the option to disable XML conversion for the sending trading partner is disabled, this field is not populated with the XML string.
requestFile	String	No	If the request message is passed by file reference, holds the name of the file. Used when Publish XML Request as File Reference is enabled and the size of the request exceeds the specified threshold value. For more information about publishing requests as file references, see <a href="#">Advanced Tab on page 47</a> .
receivedTime	Data Time	No	The original GMT timestamp of the inbound request received by TIBCO BusinessConnect.

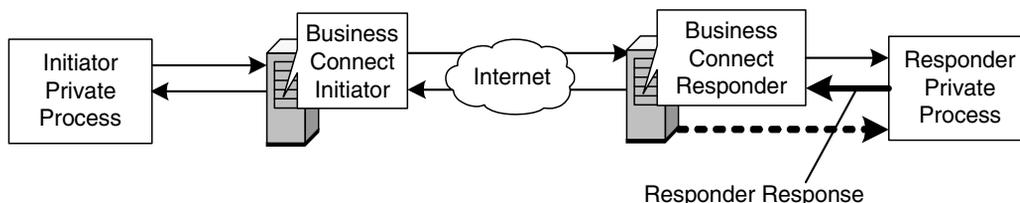
## Responder Outbound Synchronous Response

The Responder private process sends this message as a response to an incoming synchronous request.



Synchronous request-response operations are supported in B2B-X12.

Figure 5 Responder Outbound Synchronous Response.



**Rendezvous Subject Name**

*prefix.installation.standardID.RESPONDER.RESPONSE*

Example: AX.BC.BC-ACME.B2B-X12.RESPONDER.RESPONSE

**JMS Queue Name**

*prefix.installation.RESPONDER.RESPONSE*

Example: AX.BC.BC-ACME.RESPONDER.RESPONSE

**Message Name**

ResponderResponse

Table 15 ResponderResponse

Field	Type	Required	Description
standardID	String	Yes	B2B-X12.
operationID	String	Yes	ID of operation to be performed. Format: <i>interchange_version/group_version/operation</i> Example: 00403/005010/850R
transactionID	String	Yes	The transaction ID of the original request. The private process is required to return the original transaction ID.
encoding	String	Yes	The encoding used in the response. Example: UTF-8
statusCode	Integer	Yes	One of the error codes. See <a href="#">Appendix B, Status and Error Codes, on page 57</a> .

Table 15 ResponderResponse (Cont'd)

Field	Type	Required	Description
statusMsg	String	Yes	Represents the cause of the error. In this case, the response might be an error document. See <a href="#">Appendix B, Status and Error Codes, on page 57</a> .
closure	Any	Yes	TIBCO BusinessConnect generates the closure message, and sends it to the local private process in the ResponderRequest upon receiving a request for a synchronous request-response operation. The private process must return this closure contents in the ResponderResponse message to ensure that TIBCO BusinessConnect can match it with the original Responder request message.
response	Any	Yes	String representing the response message body or TIBCO Rendezvous/JMS representation of a file.
responseFile	String	No	When the responseFile is very large, this field is populated by the private process in place of the response.

## General Messages

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### Timeout Alert

The Responder TIBCO BusinessConnect sends this notify message to the private process to indicate timeout informational, warning, and error messages for both inbound and outbound transactions.

**Rendezvous Subject Name**     *For ReceiptTimeoutErrorAdvisor:*  
*prefix.installation.standardID.ERROR.TIMEOUT.RECEIPT*

**JMS Topic Name**     *For ReceiptTimeoutErrorAdvisor: prefix.installation.ERROR.TIMEOUT.RECEIPT*

**Message Name**     ReceiptTimeoutErrorAdvisory

Table 16 TimeoutAlert

Field	Type	Required	Description
tpName	String	No	Trading partner name.
statusCode	Integer	Yes	One of the status or error codes. See <a href="#">Appendix B, Status and Error Codes, on page 57</a> .
description	String	No	Description of the message.
msgType	String	No	The type of timeout information, warning or error.
standardID	String	Yes	B2B-X12, B2B-EDIFACT, B2B-TRADACOMS, and B2B-TEXT
operationID	String	No	ID of operation to be performed. Format: <i>interchange_version/group_version/operation</i> Example: 00403/005010/850
transactionID	String	Yes	The transaction ID for which the message is generated.
hostName	String	No	Host name

## Error Message

An error message contains status information.

**Rendezvous Subject Name** *prefix.installation.standardID.ERROR*  
 Example: AX.BC.BC-ACME.B2B-X12.ERROR

**JMS Topic Name** *prefix.installation.ERROR*  
 Example: AX.BC.BC-ACME.ERROR

**Message Name** GeneralErrorAdvisory

Table 17 Error

Field	Type	Required	Description
operationID	String	Yes	ID of operation to be performed. Format: <i>interchange_version/group_version/operation</i> . Example: 00403/005010/850
transactionID	String	Yes	Request-response ID for which the error message is generated.
tpName	String	No	Trading partner name.
statusCode	Integer	Yes	One of the status or error codes. See <a href="#">Appendix B, Status and Error Codes, on page 57</a> .
statusMsg	String	Yes	Represents the cause of the status or error. In this case, the response might be an error document. See <a href="#">Appendix B, Status and Error Codes, on page 57</a> .
msgDirection	String	No	Direction of the message.
timestamp	String	No	Timestamp in the format <i>year-month-day-hour-h-minute-m-seconds-s-milliseconds-ms</i>
host	String	No	Host name.
details	String	Yes	More detailed description of the error. This can be an analysis of the problem.
extraInfo	Any	No	Details of the error.
standardID	String	Yes	Represents the Standard (such as B2B-X12) for which the error is reported.

## Push Real-Time Partner and Guideline Updates Message

Push real-time partner and guideline update messages are supported only for B2B-X12 and B2B-EDIFACT standards. A message to the private process to be consumed by TIBCO BusinessConnect Insight or Foresight Transaction Insight product is sent for synchronization of key partner information and guideline information between the two systems.

The message is sent when the updates are made in the TIBCO BusinessConnect administrator GUI in the information for partners, operation editor, or at the business agreements protocol binding level.

<b>Rendezvous Subject Name</b>	<i>prefix.installation.standardID.CSUPDATE</i> Example: AX.BC.BC-ACME.B2B-X12.CSUPDATE
<b>JMS Queue Name</b>	<i>prefix.installation.CSUPDATE</i> Example: AX.BC.BC-ACME.CSUPDATE
<b>Message Name</b>	CSUpdate

Table 18 CSUpdateNotify Object

Field	Type	Required	Description
standardID	String	Yes	B2B-X12 or B2B-EDIFACT
operationID	String	No	When a particular operation is edited in the operations editor and saved. The value of the operation that is edited will be published; for example 00403/005010/850 for B2B-X12.
participantName	String	No	Name of the Participant being edited. This could be a host or a partner type.
participantType	String	No	Type of Participant: host or partner
agreementName	String	No	When the guideline is being updated from the business agreement operation bindings override, the name of the business agreement is published in this field.
operationBindingType	String	No	The value indicates whether the update is for the "Host can initiate" or "Partner can initiate" setting in the business agreement's operation binding.

Table 18 CSUpdateNotify Object

Field	Type	Required	Description
actionType	String	Yes	The value indicates whether the UI action is create or update on either the participant, business agreement, or operations editor level.
operationTime	String	Yes	The value indicates the time of update that happened.
objectID	String	Yes	Object Identifier Value for the type of object that was changed.
propertyList	CSUpdateDetailInfo	No	This is a list of property list values that are changed by the user.
propertyName	String	No	<p>Name of the property that is being modified in the UI in Administrator. Following are the list of values that can be published:</p> <p><b>B2B-X12:</b></p> <p>For elements of ISA Segment</p> <p>ISA01Qualifier  ISA02Information  ISA03Qualifier  ISA04Information  ISA05SenderQualifier  ISA06SenderID  ISA07ReceiverQualifier  ISA08ReceiverID  ISA09Date  ISA10Time  ISA11ControlStandard  ISA11RepeatingSeparator  ISA14AckRequested  ISA15UsageIndicator  ISA16CompElemSep</p> <p>For elements of GS Segment</p> <p>GS02Sender  GS03Receiver</p>

Table 19 CSUpdateDetailInfo Object

Field	Type	Required	Description
propertyName	String	No	GS03Receiver
(cont)			GS04Date
			GS05Time
			GS08GrpVersion
			<b>B2B-EDIFACT:</b>
			For elements of UNB Segment
			UNBS001Identifier
			UNBS001ServiceCodeList
			UNBS001CharacterEncoding
			UNBS002SenderID
			UNBS002SenderQualifier
			UNBS002InternalID
			UNBS002SubInternalID
			UNBS003ReceiverID
			UNBS003ReceiverQualifier
			UNBS003InternalID
			UNBS003SubInternalID
			UNBS004Date
			UNBS004Time
			UNBS005Reference
			UNBS005Qualifier
			UNB0026ApplicationRef
			UNB0029ProcessingCode
			UNB0031AckRequested
			UNB0032AgreementIdentifier
			UNB0035TestIndicator
			For elements of UNG Segment
			UNGS006Qualifier
			UNGS006ID
			UNGS007Qualifier
			UNGS007ID
			UNGS004Date
			UNGS004Time
			UNGS008Code
			UNG0058Password

Table 19 CSUpdateDetailInfo Object

Field	Type	Required	Description
oldValue	String	No	Value that was before the change, if any.
newValue	String	No	New value that was successfully updated.



## Appendix A **Property Reference**

This section lists and describes the B2BPLUGIN properties, which are accessible through TIBCO Administrator.

### Topics

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- *Property Reference, page 56*

## Property Reference

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Using TIBCO Administrator you can access and modify a set of properties for TIBCO BusinessConnect B2BPlugin for CMI. To access these properties, perform these steps:

1. In the TIBCO BusinessConnect console, select **System Settings>Activated Protocol Plug-ins and Properties**.
2. Click **B2BPlugin**.

Table 20 Bq2BPlugin Property Reference

Property	Explanation
<code>edi.outbound.contentDisposition.fileExtension</code>	Default file extension to use on the Content-Disposition MIME header field if TIBCO BusinessConnect generates the fileName. Note: Specify the period before the extension if you needs a different default.
<code>edi.sync.response.timeout</code>	When send ResponderRequest to PP, waiting for ResponderResponse by this timeout value (secs)

## Appendix B **Status and Error Codes**

This appendix describes different kinds of status and error codes that can occur in TIBCO BusinessConnect B2BPlugin for CMI.

The information in this appendix applies to TIBCO BusinessConnect B2BPlugin for CMI.

### Topics

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- [HTTP Status Codes: 200-510, page 58](#)
- [Status Codes: 600-699, page 59](#)

## HTTP Status Codes: 200-510

This section describes status codes that are used in TIBCO BusinessConnect B2BPlugin for CMI. The 200-510 status codes are standard HTTP codes.

These status codes may display in the following areas:

- The `statusCode` field. See [Initiator Inbound Response on page 42](#) for an example of this.
- The `statusMsg` field. See [Initiator Inbound Response on page 42](#) for an example of this.
- The `Description` field in the logs. The contents of the `statusCode` and `statusMsg` fields may or may not display in this field, depending on the transaction. See [Transaction Details View on page 33](#).



In the `statusMsg` field, the text explains the meaning of the code, but does not specify the value that the `statusMsg` field can contain.

Table 21 HTTP Status Codes

Code (statusCode field)	Description (statusMsg field)	Role	Category	Resolution
200	OK			Transport-level acknowledgement.
201-299	HTTP(S) OK codes			Transport-level acknowledgments.
300 - 499	HTTP(S) error codes	Error		
510	No valid HTTP response. The most likely cause is that the Responder did not send a proper HTTP response.  If the Responder is TIBCO BusinessConnect, then the Initiator may have sent a trading partner identity that was not recognized by the Responder TIBCO BusinessConnect.	Error	Configuration	

## Status Codes: 600-699

This section describes the status codes which are specific to TIBCO BusinessConnect B2BPlugin for CMI.

These status codes may display in the following areas:

- The `statusCode` field in private messages. See [Initiator Inbound Response on page 42](#) for an example of this.
- The `statusMsg` field. See [Initiator Inbound Response on page 42](#) for an example of this.
- The `Description` field in the logs. The contents of the `statusCode` and `statusMsg` fields may or may not display in this field, depending on the transaction. See [Transaction Details View on page 33](#).



In the `statusMsg` field, the text explains the meaning of the code, but does not specify the value that the `statusMsg` field can contain.

Table 22 TIBCO BusinessConnect B2BPlugin for CMI Status Codes

Code (statusCode Field)	Description (statusMsg Field)	Role	Category
601	FTP error	Error	
605	Local posting error	Error	
620	No HTTP reply after waiting for HTTP acknowledgement wait time.	Error	
630	Mime encoding error	Error	Security
631	Encryption error	Error	Security
632	Decryption error ERROR_SMIME_DECRYPT	Error	Security
633	Signature error	Error	Security
634	Signature verification error ERROR_SMIME_VERIFY	Error	Security
635	Compression error	Error	
636	Decompression error	Error	

Table 22 TIBCO BusinessConnect B2BPlugin for CMI Status Codes (Cont'd)

Code (statusCode Field)	Description (statusMsg Field)	Role	Category
637	Receipt request error	Error	
638	Receipt match error	Error	
639	MDN receipt request store error	Error	
640	Receipt disposition error	Error	
641	HTTP headers error	Error	
660	Configuration error	Error	Configuration
661	Bad configuration - No matching TP email address ERROR_TP_CONFIG	Error	Configuration
662	Missing decryption key	Error	Configuration
663	Missing authentication certificate	Error	Configuration
699	Internal system error	Error	System
1000 - 1999	Private-party defined codes		

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