TIBCO BusinessConnect™ B2BPlugin for CMI

B2B-TEXT Configuration

Software Release 1.0
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Two-Second Advantage®

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Contents

Tables v

Preface vii

Related Documentation viii
Documentation viii
Other TIBCO Product Documentation viii

Typographical Conventions ix

Connecting with TIBCO Resources xi
How to Join TIBCOmmunity xi
How to Access All TIBCO Documentation xi
How to Contact TIBCO Support xi

Chapter 1 B2B-TEXT Overview 1

Product Overview 2

Chapter 2 Tutorials — Getting Started 3

Overview 4

Prerequisites 5

Configuring the Host 6

Configuring the Partner 8

Configuring the Business Agreement 10
Set Up the Server 10

Configuring the Private Processes 11

Running the Tutorial 14
Set the Input Data 14
Send Outbound Request Process 14
Expected Results 16
Viewing the Audit Log 16

Chapter 3 Managing B2B-TEXT Messages 19

Overview 20

Adding a Message Group 21

Adding a Message Type to a Message Group 22
Notification Message Type 22

Outbound Action 24
Inbound Action 24
Importing a Message Group 25
Exporting Message Groups and Types 26

Chapter 4 Setting Up Trading Hosts 27

Configuring the B2B-TEXT Protocol 28
General Tab 29
Advanced Tab 30

Chapter 5 Setting Up Trading Partners 31

Configuring the B2B-TEXT Protocol 32
General Tab 33
Delimiters Tab 34
Transports Tab 35

Chapter 6 Configuring Agreement Protocol Bindings 37

Overview 38
Add Protocol Binding 38
Operation Bindings Tab 39
Add Operation Binding 39
Editing an Operation Binding 39
Operation Settings Tab 40
Transports Tab 40
Document Security Tab 41
Transports Tab 43
Setting the Inbound Transport 44

Index 47

Tables

Table 1 General Typographical Conventions ix
Table 1 Notification Message: General Tab 22
Table 2 Notification Message: Guideline Tab 23
Table 3 Notification Message: Schema Tab 24
Table 4 Setting Up Host: General tab 29
Table 5 Setting Up Host: Advanced Tab 30
Table 6 Setting Up a Partner: General Tab 33
Table 7 Setting Up Partner: Delimiters Tab 34
Table 8 Configuring Business Agreement: Transports Tab 40
Table 9 Configuring Business Agreement: Document Security Tab 41
Table 10 Outbound Transport for the Host 43
Table 11 Inbound Transport Fields 45

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

- Related Documentation, page viii
- Typographical Conventions, page ix
- Connecting with TIBCO Resources, page xi

Related Documentation

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

The following typographical conventions are used in this manual.

Table 1 General Typographical Conventions

Convention	Use
TIBCO_HOME *ENV_NAME* *b2bplugin_HOME*	Many TIBCO products must be installed within the same home directory. This directory is referenced in documentation as *TIBCO_HOME*. The default value of *TIBCO_HOME* depends on the operating system. For example, on Windows systems, the default value is `C:\tibco`. Other TIBCO products are installed into an *installation environment*. Incompatible products and multiple instances of the same product are installed into different installation environments. An environment home directory is referenced in documentation as *ENV_NAME*. The default value of *ENV_NAME* depends on the operating system. For example, on Windows systems the default value is `C:\tibco`. TIBCO BusinessConnect B2BPlugin for CMI installs into a directory within *TIBCO_HOME* or *ENV_NAME*. This directory is referenced in documentation as *b2bplugin_HOME*. The default value of *b2bplugin_HOME* depends on the operating system. For example on Windows systems, the default value is `C:\tibco\bc\`*version*`\protocols\`*b2bplugin*.
`code font`	Code font identifies commands, code examples, filenames, pathnames, and output displayed in a command window. For example: Use `MyCommand` to start the foo process.
`bold code font`	Bold code font is used in the following ways: • 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
italic font	Italic font is used in the following ways: • To indicate a document title. For example: See *TIBCO BusinessConnect™ B2BPlugin for CMI Installation and Configuration*. • To introduce new terms. For example: A portal page may contain several portlets. *Portlets* are mini-applications that run in a portal. • To indicate a variable in a command or code syntax that you must replace. For example: `MyCommand` *PathName*
Key combinations	Key names separated by a plus sign indicate keys pressed simultaneously. For example: Ctrl+C. Key names separated by a comma and space indicate keys pressed one after the other. For example: Esc, Ctrl+Q.
	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

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 B2B-TEXT Overview

This chapter describes TIBCO BusinessConnect B2BPlugin for CMI, B2B-TEXT Protocol.

Topics

- Product Overview, page 2

Product Overview

TIBCO BusinessConnect B2BPlugin for CMI B2B-TEXT protocol provides support for *delimited* and *positional* files.

- **Delimited Files** These files are defined as files that contain a consistent delimiter all throughout the file, such as an Excel exported `.csv` file or a tab separated field value.

  Guidelines need to be designed based on the structure of the Delimited file.

- **Positional Files** These files are defined as files that have a defined position (or size) for each field in the file.

Chapter 2 Tutorials — Getting Started

This chapter gives an overview of how to use ActiveMatrix BusinessWorks with TIBCO BusinessConnect B2BPlugin for CMI.

In this tutorial you will configure trading partner information, configure a private process to communicate with TIBCO BusinessConnect B2BPlugin for CMI, and run the tutorial.

Topics

- Overview, page 4
- Prerequisites, page 5
- Configuring the Host, page 6
- Configuring the Partner, page 8
- Configuring the Business Agreement, page 10
- Configuring the Private Processes, page 11
- Running the Tutorial, page 14

Overview

In the tutorial presented in this chapter, you will use TIBCO ActiveMatrix BusinessWorks and TIBCO BusinessConnect B2BPlugin for CMI running on one machine to send a B2B-TEXT message to a trading partner.

Normally the trading partner is represented by another BusinessConnect engine running on another machine. However, this tutorial is run on a single machine (Initiator) and when the B2B-TEXT is sent to the trading partner, the transport properties are defined to store the request in a directory on the local file system.

The steps involved in setting up TIBCO BusinessConnect B2BPlugin for CMI to run the tutorial are the same steps that have been discussed in *TIBCO BusinessConnect B2BPlugin for CMI User's Guide*, Setting Up Trading Partners, and Chapter 2, Exchanging Documents.

Prerequisites

Before starting the tutorial, do the following:

1. Install the following software packages:
   a. TIBCO BusinessConnect (Server)
   b. TIBCO BusinessConnect Services Plug-in (Palette)
   c. TIBCO BusinessConnect B2BPlugin for CMI
2. If you are unfamiliar with the B2B-TEXT protocol, read Chapter 1, B2B-TEXT Overview, on page 1.
3. See the *TIBCO BusinessConnect Interior Server Administration* and the *TIBCO BusinessConnect Trading Partner Administration* for complete information on setting up and running TIBCO BusinessConnect.
4. Review Setting Up Trading Partners in *TIBCO BusinessConnect B2BPlugin for CMI, User's Guide*.
5. Activate TIBCO BusinessConnect B2BPlugin for CMI

This tutorial is run on a single (Initiator) machine and when the `PEDIDOAUTEXT` transaction is sent to the trading partner, the transport properties are defined to store the request in a directory on the local file system.

Follow these steps:

- Configuring the Host, page 6
- Configuring the Partner, page 8
- Configuring the Business Agreement, page 10
- Configuring the Private Processes, page 11
- Running the Tutorial, page 14

Configuring the Host

If this is the first time you are configuring a host on this machine after installing B2BPlugin protocols, follow these steps:

1. Start Creating a New Host, page 6
2. Set the Domain Identity for the Host, page 6
3. Activate the Host

Start Creating a New Host

To create and set up the default host, do the following:

1. Using TIBCO Administrator, select **Business Connect > Participants**.
2. Click the **New** button in the right panel.
3. Type **`Company1`** in the Participant Name field.
4. Select **Host** in the Participant Type drop-down list.
5. Click **OK**.
6. Click **Save**.

Enable the B2B-TEXT Protocol for the New Host

All B2BPlugin protocols are enabled by default after installation. To configure and activate any of the protocols, you must disable *all other unconfigured* protocols. Once the protocols are configured, they can be enabled or disabled at any time: this procedure is needed only when configuring protocols for the first time.

1. Select the new Host and click on the Protocols tab.
   a. Select the checkboxes next all other protocols except for B2B-TEXT.
   b. Click Disable

   If protocols have not been enabled:
   c. Click Enable
   d. Select the checkbox next to B2B-TEXT and click OK.

Set the Domain Identity for the Host

1. Click the **B2B-TEXT** link.
2. In the Edit Enabled Protocol dialog, click the **Add New** link next to the Default Domain Identity field.
3. In the Domain Identity List dialog, click the **Add New** button.

4. In the Domain drop-down list, select **01**.
5. In the Identity field type a name, such as `123456789`.
6. Click **Save**.
7. Click **OK**.
8. In the Default Domain Identity, select **01-123456789.**

Define the Store Location

1. Select the **Advanced** tab.
2. In the Store Location window, type the location on the machine where the files will be stored by BusinessConnect (such as C:/testBCB2B).
3. Click **Save**.

Activate the Host

1. Select **BusinessConnect > Participants** again.

   Verify that the host, Company 1, has the Domain Identity you defined in the step Set the Domain Identity for the Host: `(01)123456789`.
2. Click on the **Company1** link.
3. In the Edit Host Participant dialog, check the **Active** checkbox.
4. Click **Save**.

Saving of the trading host will succeed only if the protocol is properly configured: protocol is binded and a qualifier/ID and store location are provided.

5. Select **BusinessConnect>System Setting>General Settings** and verify that Company1 is selected as the default host.

Configuring the Partner

The trading partner setup consists of these steps:

- Create a Partner, page 8
- Enable the B2B-TEXT Protocol, page 8
- Set the Domain Identity, page 8
- Set the Transport, page 9

Create a Partner

If you already have set up a Responder trading partner Company2, continue to the section Enable the B2B-TEXT Protocol.

To set up the Responder trading partner do the following:

1. Click the **Business Connect > Participants** link in the left panel.
2. Click the **New** button in the right panel.
3. Type **`Company2`** in the Participant Name field.
4. Select **Partner** in the Participant Type drop-down list.
5. Click **OK**.
6. Select the **Active** checkbox.
7. Click **Save**. The new partner Company2 appears on the Participants list, with no identity defined.

Enable the B2B-TEXT Protocol

1. Click the link **Company2**.
2. Click the **Protocols** tab.
3. Click **Enable**.
4. Check the **B2B-TEXT** checkbox.
5. Click **OK**.

Set the Domain Identity

1. Click the **B2B-TEXT** link.
2. Click the **Add New** link next to the Default Domain Identity field.

3. Click the **Add New** button.
4. In the Domain drop-down list, select `01`.
5. In the Identity field, type **`987654321`**.
6. Click **Save**.
7. Click **OK**.
8. In the Default Domain Identity drop-down list, select `01-987654321`.
9. Click **Save**.

Set the Transport

To set the transport:

1. Click the **B2B-TEXT** link.
2. Click the **Transports** tab.
3. Click **Add**.
4. Provide the transport name as **`FILE`** and select **FILE** from the Transport Type drop-down list.
5. Click **OK**.
6. In the URL field, type **`C:/testBCB2B/out`**.

Forward slashes are used in the path as opposed to the Windows backslash. This is because the fields of the TIBCO BusinessConnect console are HTML user interface text components. As with any HTML user interface text component, the backslash (\) is treated as an escape character.

7. Click **Save** three times.

Configuring the Business Agreement

1. Click the **Business Connect > Business Agreements** link in the left panel.
2. Click the **New** button in the right panel.
3. Select the **Company1** radio button in the Host Party area and the **Company2** radio button in the Partner Party area.
4. Click **OK**.
5. Click the **Add Protocol Binding** button.
6. Check the **B2B-TEXT** checkbox.
7. Click **OK**.
8. Click the **B2B-TEXT** link.
9. Click the **Transports** tab.
10. Make sure that **FILE** is selected in the Primary Transport drop-down list in the Outbound Transports for Host 'Company1' area.
11. Click **Save** twice.

    The new agreement between Company1 and Company2 with the enabled protocol B2B-TEXT appears.

Set Up the Server

The Initiator server must be set up to communicate with its trading partners. To do so, follow these steps

- Create the deployment configuration. See *TIBCO BusinessConnect Interior Server Administration* for information on deployment configurations.
- Deploy BusinessConnect and start the server.

Configuring the Private Processes

The tutorial example are located in this sample project that can be found in the directory *BC_HOME*\protocols\b2bplugin\examples\bw\B2B-Text_Data.

To open the sample project:

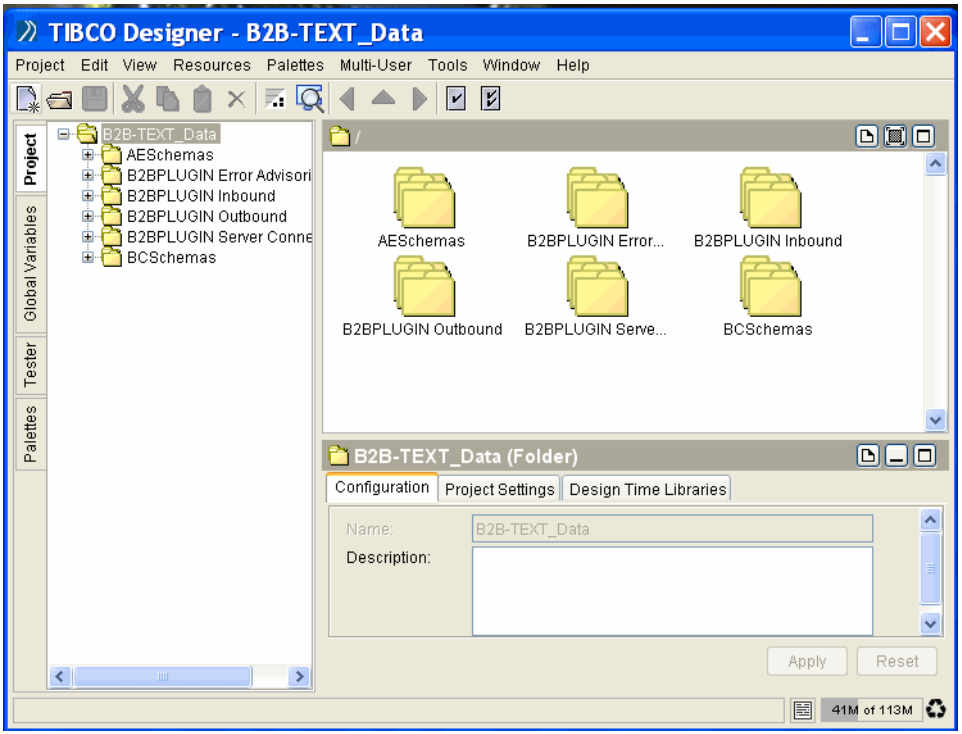
1. Start TIBCO Designer and select **New empty project**.
2. In the Save Project dialog, click **Cancel**.
3. Select **Project > Import Full Project**.
4. Click the **ZIP Archive** tab.
5. Navigate to *BC_HOME*\protocols\b2bplugin\examples\bw\B2B-Text_Data
6. Select **Text_Data.zip** and click **Open**.
7. Click **OK**.

   The Import - Options dialog appears.
8. In the Options tab, select the **Try rename in case of name conflict** radio button.
9. Click **Apply**.
10. Select **Project > Save As**.
11. In the Project Directory file chooser, navigate to *BC_HOME*\protocols\b2bplugin\examples\bw\B2B-Text_Data
12. Click **OK**.
13. Click **Yes** when a dialog appears asking to use the directory as a project directory.

    The .zip archive file will be deleted.

14. The window shown in Figure 1 or 15. will display.

Figure 1 B2B-*Text_DATA project*



15. Click the **Global Variables** tab.
16. Set **BCHome** to your TIBCO BusinessConnect installation directory.
17. If you made any changes, save the project but do not exit TIBCO Designer.

Configure Connection to BusinessConnect

To configure connections to BusinessConnect, do the following:

1. In TIBCO Designer, click the **Project** tab.
2. Expand the **B2B-Text_Data** folder.
3. In the B2BPlugin Server Connections folder, double-click **BCServerConfig**.

4. Click the **BusinessConnect Server Access** tab.
   a. Select the JDBC driver you use to communicate with the BusinessConnect configuration store from the JDBC Driver drop-down list.
   b. Type the URL for the configuration store in the JDBC URL field.
   c. Type the configuration store user name and password in the DB User and Password fields.
   d. Click the **Apply** button.
5. Click the **Configuration** tab.
6. Click the **Update from Configuration Store** button. If you chose TIBCO Rendezvous as the transport for private communication, the software displays a TIBCO Rendezvous tab.
7. Select **B2B-TEXT** from the Protocol Name drop-down list.
8. Click the **Import Selected Business Protocol** button.

   ActiveMatrix BusinessWorks retrieves schema information from the BusinessConnect configuration store and puts it in the project folder.
9. Click **Apply** and **Save**.

Running the Tutorial

To run the tutorial, follow these steps:

1. Set the Input Data, page 14
2. Send Outbound Request Process, page 14.
3. Check the results of sending the message. See Expected Results on page 16 and Viewing the Audit Log on page 16.

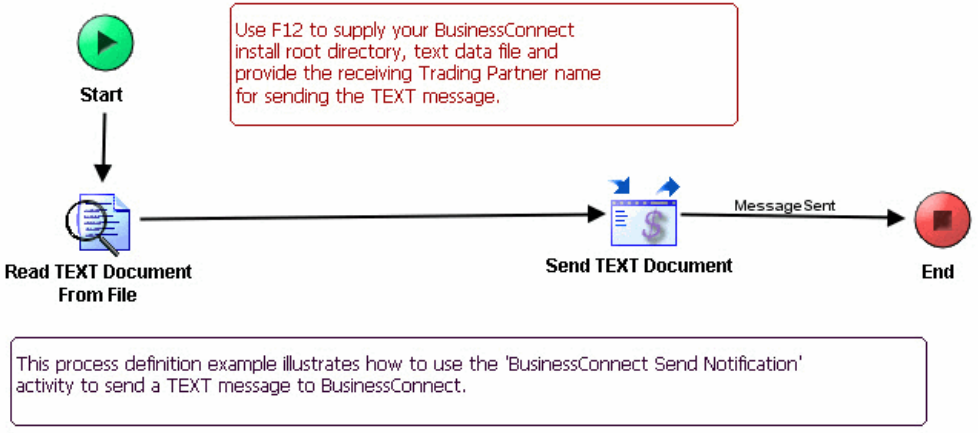
Set the Input Data

1. Expand the **B2B-TEXT_Data > B2BPlugin Outbound** folder.
2. Select the **Send Request Process** inside the folder and press the **F12** key.
3. Type the following input data:
   BCHOME: *BC_HOME* (such as `C:\tibco\bc\x.x`)
   DataFile: `PEDIDOAUTEXT.dat`
   TPName: **Company2**
4. Click **OK**.

Send Outbound Request Process

The Send Request Process is shown in Figure 2.

Figure 2 B2B-TEXT Send Request Process



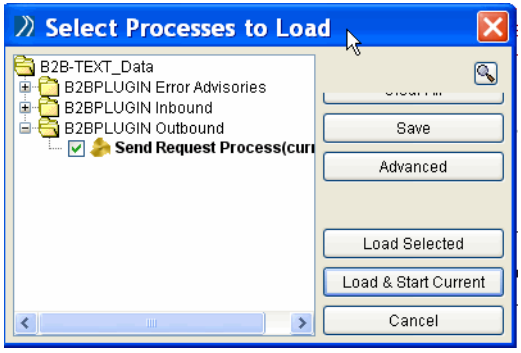
This process:

1. Reads a TEXT document from the file POINBOUNDARV.dat.
2. Constructs a message containing the data and sends it to TIBCO BusinessConnect B2BPlugin for CMI.

To run the process:

1. Select the **Tester** tab.
2. Select **Start Testing Viewed Process** button .

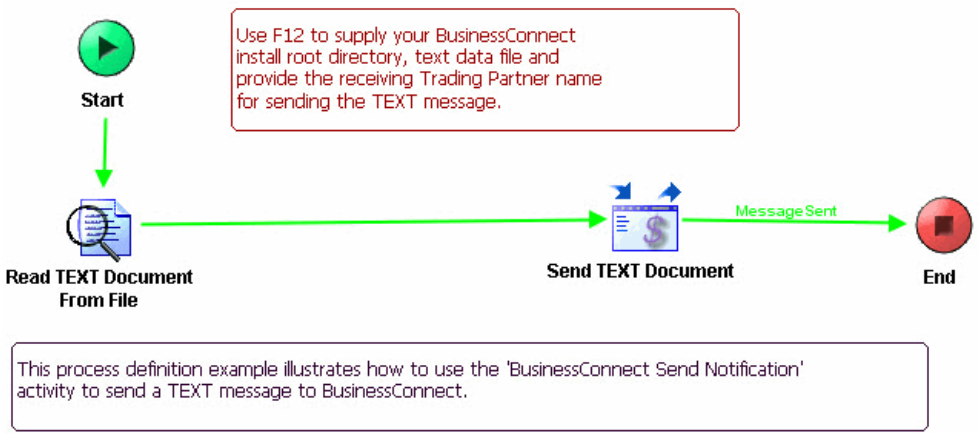
Figure 3 Select Process to Load



3. Select the checkbox next to **Send Request Process (current)** in the B2BPlugin Outbound folder.
4. Click **Load and Start Current**.

   You should get the result as in Figure 4, B2B-TEXT Transaction.

Figure 4 B2B-TEXT Transaction



Expected Results

What you can observe:

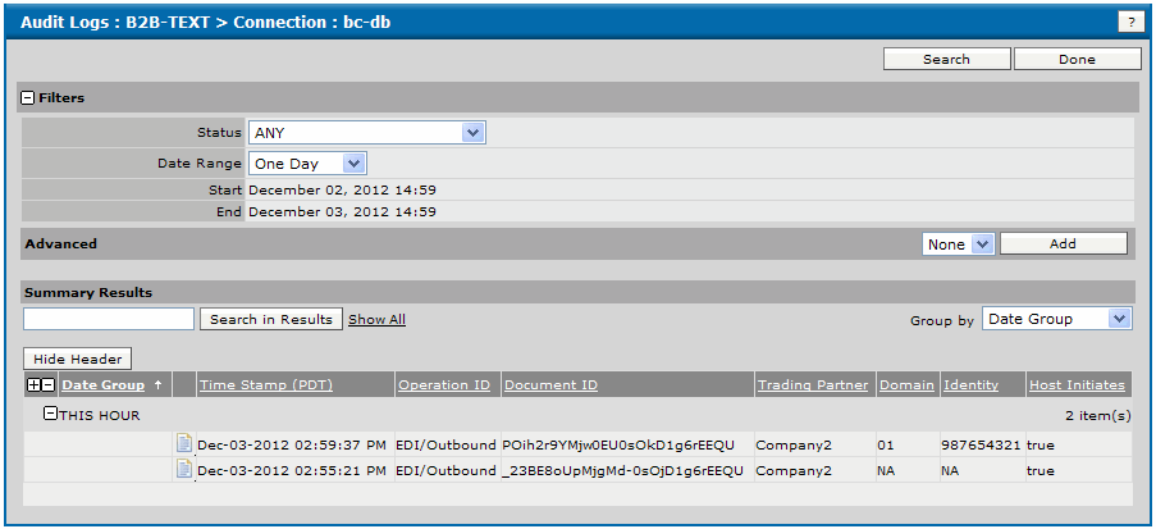
- The TEXT Request activity of the Send TEXT Message process should contain output that indicates the TEXT was successfully sent to the trading partner.
- The directory `c:\testB2BPlugin\out` should contain a file which contains the that was sent to the trading partner by TIBCO BusinessConnect B2BPlugin for CMI.
- The audit log should contain entries that for each processing state that occurred in TIBCO BusinessConnect. See Viewing the Audit Log.

Viewing the Audit Log

To view the audit log on the Initiator machines, do the following:

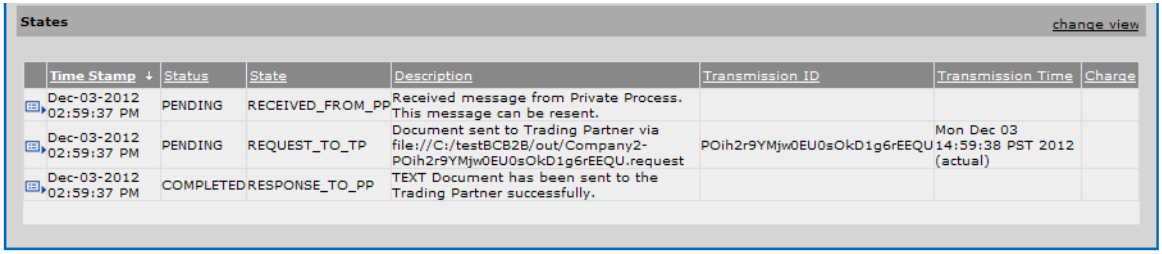
1. Using TIBCO Administrator, click the **BusinessConnect > Log Viewer** link in the left panel.
2. Click the **B2B-TEXT** link in the right panel.
3. The default search settings are already selected: Status ANY and Date Range One Day
4. Click **Search**.

Figure 5 Search Audit Logs for B2B-TEXT



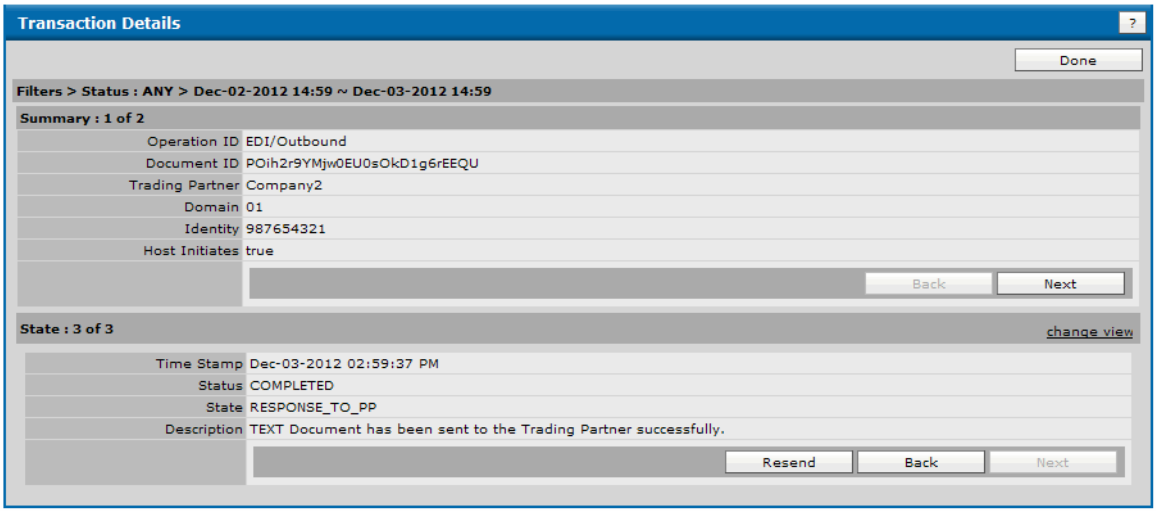
5. Click the **Details** icon in the Search Results area for a specific operation to view the details of the transaction.

Figure 6 Transaction Details



6. Click on the icon next to the specific transaction to see more details.

Figure 7 RESPONSE_TO_PP.



Chapter 3 Managing B2B-TEXT Messages

This chapter describes how to manage B2B-TEXT messages.

Topics

- Overview, page 20
- Adding a Message Group, page 21
- Adding a Message Type to a Message Group, page 22
- Importing a Message Group, page 25
- Exporting Message Groups and Types, page 26

Overview

TIBCO BusinessConnect B2BPlugin for CMI B2B-TEXT Protocol uses message groups to categorize text messages. Each message defines an action and its related communication parameters. For example, the definition of an message would include the following:

- The message's description and type (Notify in TIBCO BusinessConnect B2BPlugin for CMI).
- The guidelines used by the message.

You later use the message groups when you set up communications with your trading partners.

Adding a Message Group

Before you can create new message types, you must create a message group. To add a message group, do the following:

1. Click the **BusinessConnect > Operations Editor** link in the left panel.
2. Click on the **B2B-TEXT** link.
3. Click **New Message Group**.
4. Enter a new message group name.
5. Enter a description (optional).
6. Click **Save**.

Adding a Message Type to a Message Group

To add a message type to a message group, do the following:

1. Click the radio button next to a message group.
2. Click **New Message Type**.

   The Operation Type drop-down list appears with Notification selected. The Type selection cannot be modified because only Notification transactions are supported.

   Synchronous request-response transactions are not supported by the TEXT protocol.
3. Click **OK**.

You can configure the new massage type with the following tabs:

- Notification Message Type, page 22
- Outbound Action, page 24
- Inbound Action, page 24

Notification Message Type

To configure the message type, enter information into the following tabs, then click **Save**:

- General Tab, page 22
- Guideline Tab, page 23

General Tab

This tab allows you to configure the message type format on inbound:

Table 1 Notification Message: General Tab

Field	Description
Name	Name of the new message type
Description	Description of the new message type

Table 1 Notification Message: General Tab

Field	Description
Inbound	
Message Type Format	The message type format can be as follows: • **Delimited** This format defines files that contain a consistent delimiter all throughout the file. • **Positional** This format defines files that have a defined position (or size) for each field in the file

Guideline Tab

Table 2 Notification Message: Guideline Tab

Field	Description
Message Guideline (.sef or .std)	The guideline file associated with this message type. Click **change** to select the guideline file associated with this message type. Then, follow the procedure described in the section File Specification Dialog in *TIBCO BusinessConnect Trading Partner Administration*.
Validator Profile File (.apf)	Click **change** to select the Validator profile file.

Schema Tab

Message schemas are used to integrate TIBCO BusinessConnect B2BPlugin for CMI with back office systems. If the back office systems are implemented with TIBCO ActiveMatrix BusinessWorks, these message schemas can also be loaded into TIBCO Designer at design-time to generate process definitions that send messages defined in TIBCO BusinessConnect B2BPlugin for CMI. This tab allows you to configure schemas and map files.

Click **change** to select the schema file associated with this message type. You can select the file type: File Reference or Uploaded File.

- For File Reference, enter the whole path including the file reference name.

- For Uploaded File, click **Browse...** to select a configuration file from the local file system.

Table 3 Notification Message: Schema Tab

Field	Description
Message Schema (.xsd)	Load a message schema.
Request Root Element Name	The fixed value `T-LAYOUT` is used since all TEXT schemas use T-LAYOUT as the root element.
Message to XML translation Map file (.map)	Load a map file.
XML to Message translation Map file (.map)	Load a map file.

Outbound Action

Name the new message type for the outbound action. Direction: Initiator to Responder (preset).

Inbound Action

Name the new message type for the inbound action. Direction: Responder to Initiator (preset).

Importing a Message Group

To import message groups, do the following:

1. Click the **BusinessConnect > Operations Editor** link in the left panel.
2. Click **Import**.
3. Click **change**.
4. Click **Browse...**.
5. Navigate to a directory containing a message group and select the file (.csx).
6. Click **Open**.
7. Click **OK**.
8. Enter a password (optional).
9. Click **Import**.

Exporting Message Groups and Types

To export message group and types, do the following:

1. Click the **BusinessConnect > Operations Editor** link in the left panel.
2. Select the **B2B-TEXT** link.
3. In the Edit Operations: B2B-TEXT dialog, click on the topmost plus (+) sign to display all B2B-TEXT groups and types.
4. Select the radio button next to the group or type you wish to export.
5. Click **Export***XXX*, where *XXX* is **Group** or **Type**, depending on what you selected in step 4.
6. Set a password (optional), and click **Export Data**.
7. The Save As dialog displays with `operations.csx` as the suggested file name.
8. Click **Done**.

Chapter 4 Setting Up Trading Hosts

This chapter describes setting up trading hosts in TIBCO BusinessConnect B2BPlugin for CMI for the B2B-TEXT protocol.

Topics

- Configuring the B2B-TEXT Protocol, page 28
- General Tab, page 29
- Advanced Tab, page 30
- Advanced Tab, page 30

Configuring the B2B-TEXT Protocol

To enable the B2B-TEXT protocol:

1. Click the **BusinessConnect > Participants** link in the left panel.
2. Click a host participant link in the right panel.
3. Click the **Protocols** tab.
4. If B2B-TEXT does not appear in the list of protocols:
   a. Click **Enable**.
   b. Check the **B2B-TEXT** checkbox.
   c. Click **OK**.
5. Click the **B2B-TEXT** link.

   The following configuration options are available:

   — General Tab, page 29.

   — Advanced Tab, page 30.
6. Click **Save**.

General Tab

Use the General tab to set host general properties for B2B-TEXT.

Table 4 Setting Up Host: General tab

Field	Description
Default Domain Identity	The domain and ID to use for this trading host. • For outbound documents, the domain is not validated for the sender of a document. • The mandatory identity for the host is mapped to the host's identity. For example, `Interchange Sen` is the fictitious D-U-N-S number used in the tutorial. For outbound documents, the identity is not validated for the sender of a document. To add a default domain identity: 1. Click the **Add New** link. 2. Click the **Add New** button. Select a domain from the Domain drop-down list. For example, specify 01 for a D-U-N-S number. Enter the mandatory identity for the host in the ID field.
AS2 Identifier	An identifier to use in the `AS2-To` header field of the HTTP message. It should be mutually agreed upon between trading partners and can be an interchange ID. This only applies when using AS2 transport.
Valid Email Address List	The identifier to use in the From header field of the SMTP MIME message. This email address list can be a list of email addresses. For an outbound document sent to the trading partner through SMTP transport, the first email address is used in the From header. For incoming emails from the mail server, the To email address from the email is matched to one of the email addresses in this list. This only applies when using AS1 or AS2 transport.

3. Click **Save**.

Advanced Tab

Use the Advanced tab to specify advanced settings for the handling of inbound and outbound XML documents.

Many of these properties impact memory usage, thereby impacting performance. Read the description for each field for information about memory tuning.

Table 5 Setting Up Host: Advanced Tab

Field	Description
Inbound	
Threshold to Publish Request as File Reference (bytes)	Specify a file size in bytes. Default is **1000**. BusinessConnect writes EDI requests that are this size and larger to a file and sends a reference to that file instead of the request itself. A value of 1000 is often appropriate. This can decrease memory usage within the EDI processing component, improving performance.
Include Date Folder	Default is checked. • If checked, the `date` folder is added to the document path. • If unchecked, the `date` folder is omitted and the document is stored under the *tpName* directory.
Store Location	Identify the directory in which BusinessConnect should store the files. This field is required.

Chapter 5 Setting Up Trading Partners

This chapter describes setting up trading partners for B2B-TEXT.

Topics

- Configuring the B2B-TEXT Protocol, page 32
- General Tab, page 33
- Delimiters Tab, page 34
- Transports Tab, page 35

Configuring the B2B-TEXT Protocol

To configure the B2B-TEXT protocol:

1. Click the **BusinessConnect > Participants** link in the left panel.
2. Click a partner participant link in the right panel.
3. Click the **Protocols** tab.
4. If B2B-TEXT does not appear in the list of protocols:
   a. Click **Enable**.
   b. Check the **B2B-TEXT** checkbox.
   c. Click **OK**.
5. Click the **B2B-TEXT** link. The following configuration options are available:
   — General Tab, page 33
   — Delimiters Tab, page 34
   — Transports Tab, page 35

General Tab

To configure the General tab and set the partner general properties for B2B-TEXT use Table 6.

Table 6 Setting Up a Partner: General Tab

Field	Description
Default Domain Identity	The domain and ID to use for this trading partner.
AS2 Identifier	An identifier to use in the `AS2-To` header field of the HTTP message. This identifier should be mutually agreed upon between trading partners. This identifier can be an interchange ID. This only applies when using AS2 transport.
Valid Email Address List	The email address that is used to match against the incoming email from the mail server. If the incoming email From address matches to any email address in this list, then this trading partner is picked as the receiving party. This only applies when using AS1 or AS2 transport.

Delimiters Tab

The Delimiters tab allows you to configure record and field delimiters for the EDI B2B-TEXT protocol.

Only one character per delimiter can be used for B2B-TEXT Protocol.

To configure the Delimiters tab, see Table 7.

Table 7 Setting Up Partner: Delimiters Tab

Field	Character	Description
Outbound Delimited		
Segment Delimiter *	’ (apostrophe	Delimiting between segments
Element Delimiter *	, (coma)	Delimiting between elements
Positional		
Record Delimiter *	’ (apostrophe)	Delimiting between records

Transports Tab

Use the Transports tab to configure outbound transport settings for this trading partner. To add an outbound transport, click **Add** in the Transports tab. The following transports are available for use with this protocol:

- FTP/S
- FILE
- AS2-HTTP/S
- SSHFTP
- Inbox

  Inbox option is available in order to allow for document exchange between partners running TIBCO BusinessConnect B2BPlugin for CMI and one of these products:

  — TIBCO BusinessConnect Plug-in for SSH Server

  — TIBCO BusinessConnect Plug-in for FTP Server

  — TIBCO PartnerExpress

  For more information, see *TIBCO BusinessConnect B2BPlugin for CMI, User's Guide*, Set Up Trading Partner Transport via Inbox

The steps required for configuring transports are essentially the same for all protocols. Refer to the transports chapters in *TIBCO BusinessConnect Trading Partner Administration Guide*.

For EDI-specific transport configuration, see Chapter 4, File Masks in *TIBCO BusinessConnect B2BPlugin for CMII, User's Guide*.

The transports you configure serve as the default transports for all business agreements associated with this partner. You can override the default transport settings as part of the business agreement.

Chapter 6 Configuring Agreement Protocol Bindings

This chapter explains how to configure protocol bindings for business agreements.

Topics

- Overview, page 38
- Operation Bindings Tab, page 39
- Document Security Tab, page 41
- Transports Tab, page 43

Overview

An agreement protocol binding is contained within a business agreement. For information on business agreements, see *TIBCO BusinessConnect Trading Partner Administration*.\

Overriding of general settings for a participant per agreement protocol binding is not supported for TIBCO BusinessConnect B2BPlugin for CMI.

Add Protocol Binding

To add an agreement protocol binding:

1. Click the **BusinessConnect > Business Agreements** link in the left panel.
2. Click a business agreement link in the right panel.
3. Click the **Add Protocol Bindings** button.
4. Check **B2B-TEXT**.
5. Click **OK**.
6. Click the **B2B-TEXT** agreement protocol binding link.

   The following configuration options are available:

   — Operation Bindings Tab, page 39

   — Document Security Tab, page 41

   — Transports Tab, page 43

Operation Bindings Tab

Use the Operation Bindings tab to configure the B2B-TEXT messages that each participant in a business agreement can initiate and respond to.

The following properties apply to all the messages that you import in the Operations Editor:

- **Allow All Operations** Enables participants to initiate all operations configured in BusinessConnect. You can modify the behavior of one or more operations by binding the operations in the Partner *'Y'* Can Initiate area.

  If unchecked, operations must be explicitly bound in the Host *'X'* Can Initiate and Partner *'Y'* Can Initiate areas.

- **Non Repudiation Logging** Enables logging of all operations in the non-repudiation log.

Add Operation Binding

The Host *'X'* Can Initiate area (where *X* is the host participant in the business agreement) lists the transactions that the host can initiate and the partner can respond to. The Partner *'Y'* Can Initiate area (where *Y* is the partner participant in the business agreement) lists the transactions that the partner can initiate and the host can respond to.

To bind a transaction in either area, do the following:

1. Click **Add Operation Bindings**.
2. Click the topmost + to expand the transaction tree.
3. Check the transaction.
4. Click **OK**.

Editing an Operation Binding

To edit an operation binding, do the following:

1. Click an operation binding link. The following options are available:
   - — Operation Settings Tab, page 40
   - — Transports Tab, page 40
2. Click **Save**.

Operation Settings Tab

When no guidelines are given for the operation binding with the Override Operation Settings enabled and with Allow all Operation checkbox checked, the guideline in the operations editor will take effect.

To override the settings for a message, check the **Override Operation Settings** checkbox and then select one of the following from the drop-down list:

- Guideline, to override the guideline settings for a B2B-TEXT message type

Guideline Option

Changing the settings in this dialog overrides all the same settings made in the Operations Editor.

Transports Tab

This tab is used for overriding of outbound transport settings:

Table 8 Configuring Business Agreement: Transports Tab

Override Transports	When checked, overrides the transports set in participant's configuration.
Override Outbound Transports	
Primary Transport	Select from the dropdown list: • Current transport (such as FILE, FTP, FTPS, AS2-HTTP, AS2-HTTPS, SSHFTP, or Inbox) • None
Backup Transport	Select from the dropdown list: • Current transport (such as FILE, FTP, FTPS, AS2-HTTP, AS2-HTTPS, SSHFTP, or Inbox) • None

Document Security Tab

Use the Document Security tab to specify security information for trading partners. The keys and certificates selected in the tab are set in the host and partner participant's Credentials tabs.

See *TIBCO BusinessConnect Trading Partner Administration* for information on how to set credentials.

The properties listed in Table 9 can be set for inbound and outbound document exchange.

All PGP fields apply only to the B2B-X12 (and not to the B2B-TEXT) protocol.

Table 9 Configuring Business Agreement: Document Security Tab

Field	Description
Outbound Doc Exchange Signing Info Settings	
Signing Key	The key the host uses to sign a message in order to identify itself to a partner. The partner uses the host's certificates file to authenticate the host by verifying the digital signature of the host.
Digest Algorithm	The algorithm used to create the digest. Selection are: SHA1, MD5, SHA256, SHA384, and SHA512.
Encryption Info Settings	
Encryption Certificate	The certificates file the host uses to encrypt a document before sending it to the partner. The partner uses its own host key identity file to decrypt the document.
Encryption Algorithm	The algorithm used to encrypt documents: DES3, RC2-40, RC2-128, AES-128, AES-192, AES-256
Inbound Doc Exchange Signing Info Settings	
Verification Certificate	The partner identifies itself by signing a document with its own host identity file. The host uses this certificate to authenticate a partner by verifying the digital signature of the partner. You must obtain this certificate from the host in advance.

Table 9 Configuring Business Agreement: Document Security Tab

Field	Description
Encryption Info Settings	
Decryption Key	The host uses part of the host key identity file to decrypt a document that the partner encrypted using the host's certificates file.

Transports Tab

Use the Transports tab to set transport information for a transporting Gateway.

A transporting Gateway can be shared by multiple B2B-EDIFACT and B2B-X12 trading partners, while it is not supported for partners using the B2B-TEXT protocol.

The top section of the tab is used for selecting transports for the outbound, or host to trading partner, direction. The bottom section of the tab is used for selecting and configuring transports for the inbound, or trading partner to host, direction.

See Transports Tab, page 35.

Table 10 Outbound Transport for the Host

Field	Description
Primary Transport	Outbound transport is supported only in the passthrough mode. That is, there is no validation available, and no conversion from B2B-TEXT to XML. Choose the primary transport from the list of transports previously configured in a trading partner's Protocols > Transports tab (Transports Tab on page 35): FTP, FILE, FTPS, AS2-HTTP, AS2-HTTPS, SSHFTP See the Transports chapters in the *TIBCO BusinessConnect Trading Partner Administration*.
Backup Transport	TIBCO BusinessConnect B2BPlugin for CMI supports a backup outbound transport for sending files to the trading partner. This backup transport is used if the file could not be sent via the primary transport configured in the business agreement. Such situation may happen if the trading partner's server is not available or has a wrong URL during the time the file is being sent: the file still needs to reach the server via some other means even after the primary transport retry was exhausted. Backup transports are configured at the business agreement level and can be one of the supported BusinessConnect transports. The same rules apply for choosing a backup transport as for a primary transport.

Table 10 Outbound Transport for the Host

Field	Description
AS2 Async MDN Reply Transport	Same as for TIBCO BusinessConnect: select any of the configured transports. The settings from the specified AS2 MDN Async Reply Transport field are used for sending async MDN responses back to your trading partner. Configuring the AS2 MDN Async Reply Transport is not necessary unless you would like to specify different values for the following HTTP transmission related settings: • Retry Count – default is 3 • Retry Interval – default is 60 seconds • Socket Timeout – default is 300 seconds (5 minutes) Any other settings specified in the AS2 MDN Async Reply Transport are ignored. The most common case for which you would specify this transport is when your trading partner is not acknowledging the receipt of your async MDNs within the default socket timeout period.
AS2 Async MDN Remote Server Certificate	Same as for TIBCO BusinessConnect. The Remote Server Certificate for the AS2 HTTPS transport is a SSL certificate that should be used for encrypting the data sent using HTTPS. This dropdown list contains all of the certificates that have been configured for the Trading Partner. You can select the one that was configured to be used for SSL encryption. **Note** The server certificate configuration is only required for Async MDNs via AS2 HTTPS transport.
Client Authentication Identity for HTTPS, FTPS, HTTPSCA	Choose between the transport that was set up as Client Authentication Identity for HTTPS, FTPS, HTTPSCA, or `None`.
Client Authentication Identity for SSHFTP	Choose between the transport that was set up as Client Authentication Identity for SSHFTP, or `None`.

Setting the Inbound Transport

What displays in this area depends on the transports that are selected in the Inbound Public Transport Types area under the System Settings tab.

For further information, see the section on Deployment Configuration in the *TIBCO BusinessConnect Trading Partner Administration*.

Table 11 Inbound Transport Fields

Field	Description
HTTP/S	Allow HTTP/S connections from this partner directly or from a VAN. This also applies when the inbound connection is using the AS2 transport.
HTTPSCA/AS2	See *TIBCO BusinessConnect Trading Partner Administration*, Chapter 11, HTTP, HTTPS, and HTTPSCA Transports.
FTP/S	Allow the host to perform FTP/S connections with this partner. The host is the Initiator of the FTP process. Click Edit Settings to configure FTP/S. See *TIBCO BusinessConnect Trading Partner Administration Guide* for more information on how a host uses FTP.
FILE	Allow FILE connections from this partner. FILE is normally used for file exchange within an enterprise. If your partner uses FILE and a transporting Gateway to send EDI documents back to you through a VAN, you need to configure FTP transport. You must use FTP to get your partner's documents from the VAN Gateway site. This is because a VAN receives documents for multiple trading partners, but does not forward those documents to the recipients.
SSHFTP	See *TIBCO BusinessConnect Trading Partner Administration*, Chapter 15, SSHFTP Transport.

Index

A

adding a message type to a message group 22
adding TEXT message groups 21

C

configure the Business Agreement 10
configuring agreement protocol bindings 37
  binding an operation 39
  Document Security tab 41
  editing an operation binding 39
  Scheduled Transmission tab 45
  setting operation bindings 39
  Transports tab 43
configuring connections to BusinessConnect 12
configuring private processes 11
configuring the Initiator
  activate the host 7
  create a new host 6
  set the domain identity for the host 6
configuring the TEXT protocol for a host 28
  Advanced tab 30
  General tab 29
configuring the TEXT protocol for a trading partner 32
  Delimiters tab 34
  General tab 33
  Transports tab 35
customer support xi, xi

E

ENV_HOME ix
expected results for the tutorial 16
exporting message groups and types 26, 26

I

importing a message group 25

N

Notification message
  General tab 22
  Schema tab 23
Notification message type 22

O

overriding the settings for an operation 40
  general options 40
  guideline options 40

P

product overview 2

R

running the tutorial 14

S

scheduling a transmission to a trading partner 45
sending the TEXT message 14
set up a partner
  creating the partner 8
  enabling the TEXT Protocol 8
  set the transport 9
  setting the domain identity 8
set up the Initiator server 10
setting the inbound transport 44
support, contacting xi, xi

T

technical support xi, xi
TIBCO_HOME ix
tutorial
  configuring the Initiator 19
  overview 4
  prerequisites 5

V

viewing the audit log for the tutorial 16