

TIBCO BusinessConnect™ Remote

Host Guide

*Software Release 5.0
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Preface

TIBCO BusinessConnect Remote is an easy-to-use, light-weight application that allows small partners to exchange ecommerce business documents with BusinessConnect host companies.

Topics

- *Related Documentation, page vi*

Related Documentation

This section lists documentation resources you may find useful.

TIBCO BusinessConnect Remote Documentation

The following documents form the TIBCO BusinessConnect Remote documentation set:

- *TIBCO BusinessConnect Remote Installation* Read this manual for instructions on site preparation and installation.
- *TIBCO BusinessConnect Remote User's Guide* Read this manual for instructions on using the product to exchange documents with the BusinessConnect host.
- *TIBCO BusinessConnect Remote Host Guide* This manual is intended for the BusinessConnect Remote host and is available separately from the TIBCO download site. It is not included with the documentation installed with the product. It includes information for the BusinessConnect host to help them support their trading partners in their use of BusinessConnect Remote software.
- *TIBCO BusinessConnect Remote Release Notes* Read the release notes for a list of new and changed features. This document also contains lists of known issues and closed issues for this release.

Chapter 1 **Introduction**

This chapter provides an introduction to TIBCO BusinessConnect Remote software.

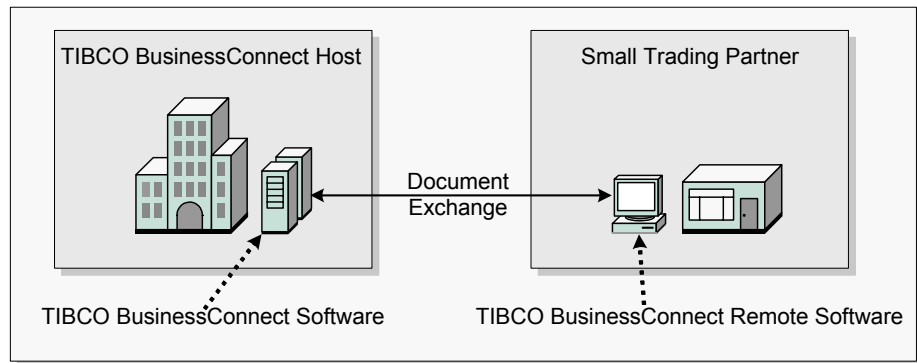
Topics

- *Product Overview, page 2*
- *Major Product Features, page 3*

Product Overview

TIBCO BusinessConnect Remote is a light-weight and very easy-to-use software application that allows your small trading partners to participate in B2B ecommerce with you (and only you). Figure 1 illustrates B2B ecommerce between a large company using TIBCO BusinessConnect and its small trading partner using BusinessConnect Remote. While the large company has powerful servers with many integrated applications and tons of data, the small company requires minimal space on a basic Windows or Linux desktop system to run BusinessConnect Remote software.

Figure 1 A Large and Small Company Exchange Business Documents



Sending and receiving documents using BusinessConnect Remote software is as easy as sending and receiving email. Your partner places outgoing documents in the outbox and looks for incoming documents in the inbox.

In addition to sending and receiving business documents, BusinessConnect Remote allows your partner to watch the processing of these documents in real-time by viewing the real-time logs.

After purchasing and downloading the software from TIBCO, distribute the software to your small trading partners — those that do not have a B2B solution. TIBCO BusinessConnect Remote includes complete documentation that will guide your partner in installing, deploying, and using the software. The documentation is written for non-technical users.

You can streamline the deployment process for your partners by anticipating their needs. Chapter 2, *Helping Your Partner Deploy* provides more information about these partner needs:

- A participant profile in your BusinessConnect deployment.
- Information about your deployment so they can connect.

Major Product Features

This section describes the major TIBCO BusinessConnect Remote features.

Deployment Wizard

The deployment wizard makes it easy for your partners to provide the information required by BusinessConnect Remote to allow for communication with your BusinessConnect server.

Server

The TIBCO BusinessConnect Remote server offers these features:

- **Access to participant profile** Each time your partner launches BusinessConnect Remote, it connects to your TIBCO BusinessConnect server and retrieves their participant profile, including these pieces of information:
 - Transport settings
 - AS2 identities
 - Document security settings for digital signatures and document encryption
- **Latest host certificates** Each time your partner launches BusinessConnect Remote, it downloads the latest host security certificates.
- **Secure document exchange** Use of EDIINT AS2 transport includes these security features:
 - Signing
 - Encryption
 - Compression before Signing or After Signing
 - Synchronous Signed/Unsigned Receipts
- **Business protocols** Your partner can exchange business documents with you using these business protocols:
 - Simple Documents (which include any text, XML or binary files)
 - EDI ASC/X12 Documents
 - EDI UN/EDIFACT Documents
 - EDI TRADACOMS Documents

- **Outbox** Detects new files and automatically initiates their transport to your BusinessConnect server.
- **Inbox** Detects inbound documents coming from you. It authenticates and decrypts the business documents and saves them on the file system.
- **Notification of expiring credentials** Alerts your partner when they launch the software if their private key credentials will expire soon.
- **History purging** Automatically purges the document exchange history.
- **Auto Archive** Automatically generates reports using the information in the document exchange history and archives those reports.
- **NT Service** On Windows, the BusinessConnect Remote server can run as an NT service, which can start automatically when your partner starts up their machine.

Console

The TIBCO BusinessConnect Remote console is a user-friendly interface that makes it easy for your partner to exchange documents with you and monitor the server:

- **Send documents** Drag and drop documents to send them to you.
- **Receive documents** View an inbox listing of documents they received from you.
- **Download documents** Download and save business documents that they sent and received.
- **View configuration information**
 - Browse deployment settings.
 - Browse document exchange configurations.
- **View logs** View the following logging activities in real time:
 - System Trace
 - Server Tracing
 - Document Exchange Audit Trail
 - Document Exchange Advisory
- **Monitor server statistics** View in real time the total number of documents sent and received, the amount of data sent and received, and the maximum and average data throughput since the server started.
- **Shutdown the server** Allows your partner to shutdown the server remotely.

Chapter 2 **Helping Your Partner Deploy**

This chapter describes the steps you can take to streamline the deployment of TIBCO BusinessConnect Remote for your partner.

Topics

- *Distributing the Software, page 6*
- *Setting up the Participant Profile, page 7*
- *Providing Values for Deployment Parameters, page 9*
- *Monitoring Partner Sessions, page 12*

Distributing the Software

BusinessConnect Remote is packaged as a standalone installer; it does not require any additional software on the client machine. However, to maintain compliance with US export policy, BusinessConnect Remote users must manually download and install JCE Policy files to support the strong encryption algorithms used in BusinessConnect for secure document exchange.

You can distribute the application in a variety of ways, including providing your partners with CDs or by making it downloadable over the Internet.

Setting up the Participant Profile

Before your partners can begin using BusinessConnect Remote software, there must be a participant profile for them in your BusinessConnect deployment. You can allow them to set up their own profile using TIBCO Trading Community Management software. Simply provide them with a link to the sign-up page. (See the TIBCO Trading Community Management documentation for more information.) Alternatively, you can set up the profile for them in the BusinessConnect console. (See the TIBCO BusinessConnect documentation for more information.)

The participant profile must be set up with a business agreement, which must include these items:

- **AS2 Identifier** for identifying the partner when sending or receiving documents using the AS2 transport.
- **AS2_HTTP or AS2_HTTPS Transport** for sending documents to BusinessConnect Remote. This transport includes packaging information specifying encryption, signing, and receipt options for outbound messages.



BusinessConnect Remote supports synchronous receipts only.

- **Security credentials**, including your private keys and your partner's public certificates, to provide document security and authentication for all documents exchanged between you and your partner.

Table 1 summarizes the information that the BusinessConnect host must obtain from the trading partner before BusinessConnect Remote can operate properly:

Table 1 Information to Gather from Trading Partner

Parameter	Description
AS2 Identity	<p>Uniquely defines a trading partner and is based on the EDIINT specifications.</p> <p>For incoming AS2 messages, the AS2 identity allows the BusinessConnect server to locate the partner's profile in the configuration store.</p> <p>For outgoing AS2 messages, the AS2 identity allows the BusinessConnect server to populate the message header with information used by BusinessConnect Remote for authentication.</p>

Table 1 Information to Gather from Trading Partner

Parameter	Description
Destination Transport URL	The Internet location of the BusinessConnect Remote server. Allows the BusinessConnect host to send AS2 messages to the BusinessConnect Remote server.
Security Credentials	Encryption Certificate — The BusinessConnect host server uses this credential to encrypt all documents going to the BusinessConnect Remote server.
	Verification Certificate — The BusinessConnect host server uses this credential to authenticate all incoming documents signed by the BusinessConnect Remote server.
	SSL Certificate — The BusinessConnect host server uses this credential to encrypt all outgoing data on the secure HTTP socket (SSL) to the BusinessConnect Remote server.

Providing Values for Deployment Parameters

TIBCO BusinessConnect Remote includes a deployment wizard that makes it easy for your partners to get started with BusinessConnect Remote. Your partners will need to get some of the information requested by the deployment wizard from you. Table 2 summarizes this information.

Table 2 Information to Supply to the Trading Partner

Parameter	Description
Trading Partner Name	This is the name used to identify the trading partner in their BusinessConnect participant profile.
Protocol Standard	The types of documents you will exchange with your partner. These are the supported document types: <ul style="list-style-type: none"> Simple Documents – EZComm protocol EDI X12 Documents – EDI-X12 protocol EDI EDIFACT Documents – EDI-EDFACT protocol EDI TRADACOMS Documents – EDI-TRADACOMS protocol
Server Host	The public host name or IP address for the TIBCO BusinessConnect host server.
Server Transport Type	HTTP or HTTPS
Server Host Port	BusinessConnect opens a server socket on this port that listens for incoming requests from trading partners.

For more information about setting up a participant profile in TIBCO BusinessConnect, refer to the *TIBCO BusinessConnect User’s Guide*.

For information about the partner self service features of Trading Community Management software, see the Trading Community Management documentation.

Chapter 3 **Monitoring Partner Sessions**

Topics

- *Monitoring Partner Sessions, page 12*

Monitoring Partner Sessions

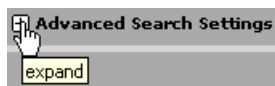
Each time your partner launches TIBCO BusinessConnect Remote, the BusinessConnect Remote server connects to the BusinessConnect host server and makes a request to download the information it needs to exchange documents. Each time the BusinessConnect Remote server makes this request, the BusinessConnect host server logs the request.

When the BusinessConnect Remote server receives the requested information, it sends an acknowledgement to the BusinessConnect host server, and the BusinessConnect host server logs the acknowledgement. The acknowledgement signals that this BusinessConnect Remote server is ready to exchange documents.

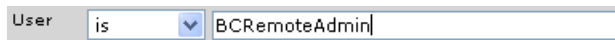
This logging allows you to monitor your partners' BusinessConnect Remote sessions.

To monitor your partners' BusinessConnect Remote sessions, perform these steps in the BusinessConnect console:

1. Select **Log Viewer>Audit Log**.
2. Select **PartnerSelfService** from the **Protocol** menu.
3. Set the other options to meet your needs.
4. Expand **Advanced Search Settings**.



5. In the **User** field, select **is** and type **BCRemoteAdmin**.



6. Click **Search**. BusinessConnect displays a list of partner-session logs.
7. Select a log to view.

Here is an example of a startup log:

BusinessConnect > Log Viewer

Audit Logs

?

Done

Search Transactions

QueriesNoneRemove QueryExecute Query

ProtocolPartnerSelfService

Date Range CriteriaPredefined Date Range

Connectionbc-db

PreviousOne Day

HostJaurim

StatusANY

Advanced Search Settings

Save Current QuerySearch

Search Results

	Time Stamp +	Start Time	Partner	User	Last Operation	Session
	Jul-16-2006 01:47:24 AM	Jul-16-2006 01:47:24 AM	Tatooine	BCRemoteAdmin	BCRemote/ClientAck	8ae914fb0c7684a9010c7684aa630001
	Jul-16-2006 12:30:59 AM	Jul-16-2006 12:30:59 AM	Tatooine	BCRemoteAdmin	BCRemote/ClientAck	8ae914fb0c763eb5010c763eb5070001
	Jul-15-2006 11:57:17 PM	Jul-15-2006 11:57:17 PM	Tatooine	BCRemoteAdmin	BCRemote/ClientAck	8ae914fb0c761fc3010c761fc4600001

BusinessConnect > Log Viewer

Audit Logs

?

Done

Transaction Details

Transaction Detail

PartnerTatooine

UserBCRemoteAdmin

Last OperationBCRemote/ClientAck

Session8ae914fb0c7684a9010c7684aa630001

States

	Time Stamp +	Operation	Status	State	Description	Transaction ID
	Jul-16-2006 01:47:22 AM	BCRemote/ClientStartupINITIATED	Request Received		Received a BC Remote startup request from partner 'Tatooine'.	8ae914fb0c7684a9010c7684aa630000
	Jul-16-2006 01:47:22 AM	BCRemote/ClientStartupPROCESSINGAuthorized	Read Access Granted		Partner Tatooine is authorized for Self Service successfully.	8ae914fb0c7684a9010c7684aa630000
	Jul-16-2006 01:47:22 AM	BCRemote/ClientStartupPROCESSINGRetrieved			Default host configuration for BusinessConnect Remote retrieved successfully.	8ae914fb0c7684a9010c7684aa630000
	Jul-16-2006 01:47:22 AM	BCRemote/ClientStartupPROCESSINGRetrieved			Partner 'Tatooine' configuration for BusinessConnect Remote retrieved successfully.	8ae914fb0c7684a9010c7684aa630000
	Jul-16-2006 01:47:22 AM	BCRemote/ClientStartupPROCESSED	Pending Ack		BC Remote startup request for partner 'Tatooine' completed successfully. Pending startup acknowledgement from partner.	8ae914fb0c7684a9010c7684aa630000
	Jul-16-2006 01:47:24 AM	BCRemote/ClientAck	INITIATED	Ack Received	Received a BC Remote startup ack from partner 'Tatooine'.	8ae914fb0c7684a9010c7684aa630000
	Jul-16-2006 01:47:24 AM	BCRemote/ClientAck	PROCESSING	Response Processed	BC Remote started up successfully by partner.	8ae914fb0c7684a9010c7684aa630000
	Jul-16-2006 01:47:24 AM	BCRemote/ClientAck	PROCESSED	Session Terminated	BC Remote startup acknowledged from partner 'Tatooine'.	8ae914fb0c7684a9010c7684aa630000
	Jul-16-2006 01:47:24 AM	BCRemote/ClientAck	COMPLETED	Response Sent	BC Remote startup ack completed from partner 'Tatooine'.	8ae914fb0c7684a9010c7684aa630000

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