TIBCO BusinessConnect™ B2BPlugin for CMI

Installation and Configuration

Software Release 1.0
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Two-Second Advantage®

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Contents

Preface v

Related Documentation vi
Documentation vi
Other TIBCO Product Documentation vi
Typographical Conventions vii
Connecting with TIBCO Resources ix
How to Join TIBCOmmunity ix
How to Access All TIBCO Documentation ix
How to Contact TIBCO Support ix

Chapter 1 Introduction 1

Installation Overview 2
Installation Modes 2
Installation Types 2
Installer Account 2
Installer Log File 3
Installation Requirements 4
Disk Space Requirements 4
System Memory Requirements 4
Supported Platforms 5
Software Requirements 5

Chapter 2 Installation 7

Installation 8
GUI Mode 8
Console Mode 9
Silent Mode 10
Uninstallation 12
Uninstall Using the GUI 12
Uninstall Using the Console Mode 12

Chapter 3 Protocol Activation and Deployment 13

Overview 14
Protocol Activation 15
Protocol Deployment 16

Index 17

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 vi
- Typographical Conventions, page vii
- Connecting with TIBCO Resources, page ix

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 Introduction

This chapter provides an overview of the installer, the software requirement, and other options you should be aware of before starting the installation.

Topics

- Installation Overview, page 2
- Installation Requirements, page 4

Installation Overview

This section gives an overview of the installer.

Installation Modes

Three installation modes are available: GUI, console, and silent.

GUI Mode

In the GUI mode, the installer presents panels that allow you to make choices about product selection, product location, and so on. To invoke the installer in GUI mode, double-click the executable.

Console Mode

Console mode allows you to run the installer from the command prompt or terminal window. This is useful if your machine does not have a GUI environment.

Silent Mode

Silent mode installs the product using either default or custom settings that are saved in a response file. Silent mode installs the product without prompting you for information.

Installation Types

Two installation types are available: Profile or Custom.

- The Profile installation type installs all the software for a specific profile.
- The Custom installation type allows you to select components.

Installer Account

Microsoft Windows

You must have administrator privileges for the machine on which this product is installed. If you do not have administrator privileges, the installer exits. You must then log out of the system and log in as a user with the required privileges, or request your system administrator to assign the privileges to your account.

If you intend to install the product on a network drive, ensure that the account used for installation has permission to access the network drive.

UNIX

Any user can install this product.

- Regular (non-root) user
- Super-user (root).

While installing this product on UNIX platforms, ensure that the same installer account is used to install all TIBCO <Family> products.

A graphic environment such as CDE or X Windows is required to run the installer in GUI mode.

Installer Log File

The installer log file, `tibco_universal_installer.`*username*`_install.log`, is written to the `.TIBCO/install_`*timestamp* folder of the user's home directory. To change the location of the installer log file, specify the option `-V logFile="`*myLogFile*`"` when you run the installer.

Installation Requirements

This section describes the disk space requirements, system memory requirements, software requirements, and supported platforms for this product.

Disk Space Requirements

Before installing this product, extract the contents of the installation archive to a temporary directory. The installer files consume up to 460 MB of disk space.

Temporary Disk Space Required by the Installer

The installer requires at least 250 MB of free space in the temporary directory. On Microsoft Windows, the temporary directory typically is:

%SystemDrive%:\Documents and Settings*user_name*\Local Settings\Temp.

If your system does not have sufficient disk space in the default temporary area, you can run the installer with a different temporary directory by using the following option when starting the installer:

`-is:tempdir` */new_temp*

where */new_temp* has sufficient free disk space.

The installer calculates the disk space required in the product home location for the selected components. The calculation is done before the actual installation (copying of files to the system) begins. The installer will proceed only if sufficient free disk space is available in the product home location.

However, if disk space is consumed by another process while the installer is copying the files, and if the required disk space is thereby reduced, the installer may fail and will then give a failure message.

While performing installation, avoid running other processes that consume disk space in the product home location.

Disk Space After Installation

This product can consume 500 MB of free space under *b2bplugin _HOME*.

System Memory Requirements

A minimum of 512 MB of physical memory is required.

Supported Platforms

Refer to the readme file for the supported platforms, versions, and required patches.

Software Requirements

Table 1 lists the required and optional software products..

Table 1 Software Requirements

Software	Description
TIBCO Software The software products below are distributed and installed separately from this product. See the readme file for the supported versions.	
TIBCO BusinessConnect™ (required)	TIBCO BusinessConnect B2BPlugin for CMI requires TIBCO BusinessConnect software and all the software required by TIBCO BusinessConnect: • TIBCO Runtime Agent™ • TIBCO Administrator™ (required only for administration and for migration) • TIBCO ActiveMatrix BusinessWorks™ (optional) • TIBCO BusinessConnect Services Plug-in The TIBCO BusinessConnect palette from TIBCO BusinessConnect Services Plug-in must be installed if you want to use TIBCO ActiveMatrix BusinessWorks processes as private processes for transactions. • TIBCO Enterprise Message Service™ (optional) Refer to TIBCO BusinessConnect Installation and Configuration for details.

Third-party Software

You need a database to run TIBCO BusinessConnect. For the updated list of supported databases and version numbers, see the file TIB_bc_*version*_readme.txt for the specific release.

Chapter 2 Installation

This chapter explains how to install and uninstall this product.

Topics

- Installation, page 8
- Uninstallation, page 12

Installation

The following sections describe the installation process in the available installation modes:

- GUI Mode, page 8
- Console Mode, page 9
- Silent Mode, page 10

GUI Mode

To install this product in GUI mode:

1. Open the physical media or download the package.
2. Extract the contents of the package to a temporary directory.
3. Navigate to the temporary directory.
4. Run **TIBCOUniversalInstaller**. You can do so in one of the following ways:
   - Double-click the installer icon.
   - On the command prompt, provide the absolute path of the installer file on without specifying any options. The installer defaults to GUI mode.
5. Click the **Next** button on the Welcome dialog.
6. Read through the license text when the License Agreement dialog appears, select the **I Accept the Terms of the License Agreement** radio button and then click the **Next** button**.**
7. The TIBCO Installation Home dialog displays.

   An installation environment isolates product installations. A product installed into an installation environment does not access components in other installation environments. An installation environment consists of a name and path. You can choose a new environment or an existing environment.

   - **Create a new** *TIBCO_HOME* To install the product into a new installation environment, specify the following properties:

     Directory The directory into which the product is installed. Type a path or click **Browse** to specify the path or accept the default location.

     The path cannot contain special characters such as "*", "#", "?", ">", "<", "%", "&", "$", "`", or "|". The path cannot be the same as the path of an existing environment.

     Name Identifies the installation environment. The name cannot contain special characters such as "*", "?", ">", "<", ":", "|", "/", "\", or quotation

marks("). The name is appended to the name of Windows services created by the installer and is a component of the path to the product in the Windows Start > All Programs menu.

— **Use an existing** *TIBCO_HOME* To install the product into an existing installation environment, select the environment from the drop-down list.

8. Click the **Next** button**.**
9. Select an installation profile from the list on the left. TIBCO Universal Installer provides the following installation profiles:

   Documentation Only

   This profile is intended for installing only the documentation provided for TIBCO BusinessConnect B2BPlugin for CMI.

   Typical

   This profile installs all components:

   — B2BPlugin Runtime

   — B2BPlugin Palette

   — B2BPlugin Documentation

To customize the profile feature settings, check the **Customize Installation** checkbox and use the feature tree on the right.

10. Click **Next**.

    Verify the list of products selected for install in the Pre-Install Summary dialog.

11. Click the **Install** button to start the installation process.

    Review the information listed in the Post-Install Summary dialog.

12. Click the **Finish** button to complete the installation process and exit the universal installer.

Console Mode

To install this product in console mode:

1. Open the physical media or download the package.
2. Extract the contents of the package to a temporary directory.
3. Using a console window, navigate to the temporary directory.
4. Run the following commands:

Windows:
TIBCOUniversalInstaller.exe -console

TIBCOUniversalInstaller-x86-64.exe -console

AIX:
TIBCOUniversalInstaller-aix.bin -console

Linux:
TIBCOUniversalInstaller-lnx-x86-64.bin -console

Solaris Sparc:
TIBCOUniversalInstaller-sol-sparc.bin -console

Solaris X86 64:

TIBCOUniversalInstaller-sol-x86.bin -console

5. Complete the installation by responding to the console window prompts.

Silent Mode

In silent mode, the universal installer does not prompt for any inputs during installation. Instead, the inputs are read from a response file that can be provided as a command-line parameter. If no value is specified, the installer uses the default `TIBCOUniversalInstaller-bcb2bplugin.silent` file.

The `TIBCOUniversalInstaller-bcb2bplugin.silent` file is packaged in the directory that contains the universal installer. Edit the file with information for your environment before launching the silent installation. The file includes comments that describe the installation properties you can set. While you can use the `TIBCOUniversalInstaller-bcb2bplugin.silent` file, it's good practice to copy the file to a different name and use that file for the silent install.

If errors occur during installation, they will be listed in the installation log file located in the *User_Home*`/.TIBCO` directory.

1. Open the physical media or download the package.
2. Extract the contents of the package to a temporary directory.
3. Using a console window, navigate to the temporary directory.
4. Make a copy of the `TIBCOUniversalInstaller-bcb2bplugin.silent` file and rename the file.
5. Using a text editor, open the copied file and update the install location and features to install.

6. Run the following:

   Windows

   TIBCOUniversalInstaller.cmd -silent -V responseFile="*myfilename***.silent"**

   AIX

   TIBCOUniversalInstaller-aix.bin -silent -V responseFile="*myfilename***.silent"**

   Linux

   TIBCOUniversalInstaller-lnx-x86-64.bin -silent -V responseFile="*myfilename***.silent"**

   Solaris Sparc

   TIBCOUniversalInstaller-sol-sparc.bin -silent -V responseFile="*myfilename***.silent"**

   Solaris X86 64

   TIBCOUniversalInstaller-sol-x86.bin -silent -V responseFile="*myfilename***.silent"**

Uninstallation

Uninstall Using the GUI

To uninstall this product on Windows:

1. Shut down all running TIBCO BusinessConnect applications.
2. Navigate to *TIBCO_HOME*\tools\universal_installer and run

   TIBCOUniversalInstaller.exe

   TIBCOUniversalInstaller-x86-64.exe

   or

   select **Start>All Programs>TIBCO>Uninstall.**
3. Follow the steps as required by the Universal Installer Wizard.
4. Review the Post-Uninstall Summary and click the **Finish** button to exit the wizard.

Uninstall Using the Console Mode

To uninstall this product in Console mode:

1. Using a command window, navigate to the directory *TIBCO_HOME*\tools\universal_installer .
2. Type the following command at the command prompt:

   Windows:

   IBCOUniversalInstaller.exe -is:javaconsole -console
   TIBCOUniversalInstaller-x86-64.exe -is:javaconsole -console

   AIX:

   TIBCOUniversalInstaller-aix.bin -is:javaconsole -console

   Linux:

   TIBCOUniversalInstaller-lnx-x86-64.bin -is:javaconsole -console

   Solaris Sparc:

   TIBCOUniversalInstaller-sol-sparc.bin -is:javaconsole -console

   Solaris X86 64:

   TIBCOUniversalInstaller-sol-x86.bin -is:javaconsole -console"
3. Complete the uninstallation by responding to the console window prompts.

Chapter 3 Protocol Activation and Deployment

This chapter explains how to activate and deploy TIBCO BusinessConnect B2BPlugin for CMI.

Topics

- Overview, page 14
- Protocol Activation, page 15
- Protocol Deployment, page 16

Overview

When installation is complete, TIBCO BusinessConnect B2BPlugin for CMI will appear in the table that displays when you click **Resource Management > Installed Software** in the left panel of TIBCO Administrator.

This chapter summarizes post-installation activities to activate and deploy TIBCO BusinessConnect B2BPlugin for CMI.

Before activating TIBCO BusinessConnect B2BPlugin for CMI, you must complete installation described in *TIBCO BusinessConnect Installation and Configuration* as well as all pre-deployment and deployment tasks described in *TIBCO BusinessConnect Interior Server Administration*.

Make sure that the directories for large, shared, and temporary files have been configured using a valid path. TIBCO BusinessConnect B2BPlugin for CMI does not allow the use of path entered as "/".

To verify these directories, see *TIBCO BusinessConnect Interior Server Administration*, Table 2, Edit Intercomponent Advanced Settings, and enter valid paths if needed, such as `C:/tibco/bc/n.n/large_temp`.

Protocol Activation

To activate TIBCO BusinessConnect B2BPlugin for CMI, do the following:

1. Using TIBCO Administrator, log in and click the **BusinessConnect** link in the left panel.
2. Click the **Manage** button.
3. Select the **Protocol Plug-in Activation** tab.
4. Check the **B2BPlugin** checkbox in the Protocol Plug-in column.
5. Click the **Activate** button.

During activation, TIBCO BusinessConnect performs the following activities:

1. Installs the protocol grammar in the configuration store.
2. Creates protocol-specific tables in the configuration store.
3. Updates protocol-specific resources.
4. Activates the protocol-specific online help.
5. Activates protocol checker integration.
6. Performs protocol-specific custom actions.

Verify Activated Protocols

To check that the protocol has been activated:

1. Click the **BusinessConnect** link in the left panel.
2. Click **System Settings>Activated Protocol Plug-ins and Properties**
3. Verify that **B2BPlugin** is listed in the Plug-in column.

Protocol Deployment

Before TIBCO BusinessConnect B2BPlugin for CMI can be used in B2B transactions, it must be deployed.

To deploy the TIBCO BusinessConnect B2BPlugin for CMI that has just been installed, you must deploy TIBCO BusinessConnect (even it has been previously deployed).

Before deploying TIBCO BusinessConnect, you must first create a deployment configuration. See *TIBCO BusinessConnect Interior Server Administration* for information on how to create a deployment configuration.

If TIBCO BusinessConnect is already deployed, undeploy it and deploy again.

To deploy TIBCO BusinessConnect, do the following:

1. In TIBCO Administrator, click the **Application Management > BusinessConnect** > **Configuration** link in the left panel.
2. Click the **Deploy** button in the right panel.
3. Click **OK**.

   Deployability is now `Synchronized` and Deployment Status is `Success`, indicating that the instance is now deployed.

Index

C

customer support ix, ix

E

ENV_HOME vii

I

Installation Modes
  Console Mode 2
  GUI Mode 2
  Silent Mode 2
Installation Procedure
  Console Mode 9
  GUI Mode 8
  Silent Mode 10
Installation Requirements
  Disk Space Requirements 4
  Supported Platforms 5
  System Memory Requirements 4
Installer Account 2
Installer Log File 3

P

protocol activation 15
protocol deployment 16

S

set up database Information 7
support, contacting ix, ix

T

technical support ix, ix
TIBCO_HOME vii

U

uninstall on Windows 12
uninstall using the Console Mode 12
Uninstallation 12