

TIBCO Designer™ Add-in for TIBCO Business Studio™

Installation

*Software Release 1.5.0
September 2013*

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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 file for the availability of this software version on a specific operating system platform.

This preface gives some information on the TIBCO Designer Add-in for TIBCO Business Studio documentation set, related documentation, and on conventions used in TIBCO manuals.

Topics

- [Changes from the Previous Release of this Guide, page vi](#)
- [Related Documentation, page vii](#)
- [Typographical Conventions, page viii](#)
- [Connecting with TIBCO Resources, page x](#)

Changes from the Previous Release of this Guide

This section itemizes the major changes from the previous release of this guide.
There are no changes in the guide for this release.

Related Documentation

This section lists documentation resources you may find useful.

TIBCO Designer Add-in for TIBCO Business Studio Documentation

The following documents form the TIBCO Designer Add-in for TIBCO Business Studio documentation set:

- *TIBCO Designer Add-in for TIBCO Business Studio Installation* Read this manual for information on installing TIBCO Designer Add-in for TIBCO Business Studio on supported platforms.
- *TIBCO Designer Add-in for TIBCO Business Studio User's Guide* Read this manual for using the TIBCO Designer Add-in for TIBCO Business Studio interface.
- *TIBCO Designer Add-in for TIBCO Business Studio Release Notes* Read the release notes for a list of new and changed features. This document also contains lists of known issues and closed issues for this release.

Other TIBCO Product Documentation

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

- TIBCO Designer™
- TIBCO ActiveMatrix BusinessWorks™
- TIBCO ActiveMatrix BusinessWorks™ Service Engine

Typographical Conventions

The following typographical conventions are used in this manual.

Table 1 General Typographical Conventions

Convention	Use
	<p>TIBCO products are installed into an installation environment. A product installed into an installation environment does not access components in other installation environments. Incompatible products and multiple instances of the same product must be installed into different installation environments.</p> <p>An installation environment consists of the following properties:</p> <ul style="list-style-type: none"> • Name Identifies the installation environment. This name is referenced in documentation as <i>ENV_NAME</i>. On Microsoft Windows, the name is appended to the name of Windows services created by the installer and is a component of the path to the product shortcut in the Windows Start > All Programs menu.
<i>ENV_NAME</i>	
<i>TIBCO_HOME</i>	<ul style="list-style-type: none"> • Path The folder into which the product is installed. This folder is referenced in documentation as <i>TIBCO_HOME</i>. The value of <i>TIBCO_HOME</i> depends on the operating system. For example, on Windows systems, the default value is <code>C:\tibco</code>.
<i>DABS_HOME</i>	<p>TIBCO Designer Add-in for TIBCO Business Studio installs into a directory within <i>TIBCO_HOME</i>. This directory is referenced in documentation as <i>DABS_HOME</i>. The value of <i>DABS_HOME</i> depends on the operating system. For example on Windows systems, the default value is <code>C:\tibco\dabs\1.5</code>.</p>
code font	<p>Code font identifies commands, code examples, filenames, pathnames, and output displayed in a command window. For example:</p> <p>Use <code>MyCommand</code> to start the foo process.</p>
bold code font	<p>Bold code font is used in the following ways:</p> <ul style="list-style-type: none"> • In procedures, to indicate what a user types. For example: Type admin. • In large code samples, to indicate the parts of the sample that are of particular interest. • In command syntax, to indicate the default parameter for a command. For example, if no parameter is specified, <code>MyCommand</code> is enabled: <code>MyCommand [enable disable]</code>

Table 1 General Typographical Conventions (Cont'd)

Convention	Use
<i>italic font</i>	<p>Italic font is used in the following ways:</p> <ul style="list-style-type: none"> • To indicate a document title. For example: See <i>TIBCO ActiveMatrix BusinessWorks Concepts</i>. • To introduce new terms. For example: A portal page may contain several <i>portlets</i>. 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: <code>MyCommand <i>pathname</i></code>
Key combinations	<p>Key name separated by a plus sign indicate keys pressed simultaneously. For example: <code>Ctrl+C</code>.</p> <p>Key names separated by a comma and space indicate keys pressed one after the other. For example: <code>Esc, Ctrl+Q</code>.</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

How to Join TIBCOCommunity

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

How to Access TIBCO Documentation

You can access TIBCO documentation here:

<http://docs.tibco.com>

How to Contact TIBCO Support

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

Chapter 1 **Installation**

This chapter describes how to install TIBCO Designer Add-in for TIBCO Business Studio on supported platforms.

Topics

- [Installation Overview, page 2](#)
- [Installation Prerequisites, page 5](#)
- [Installing TIBCO Designer Add-in for TIBCO Business Studio, page 6](#)
- [Designer Add-in for Business Studio \(DABS\) Tools, page 9](#)
- [Uninstalling TIBCO Designer Add-in for TIBCO Business Studio, page 11](#)

Installation Overview

This section explains how to install TIBCO Designer Add-in for TIBCO Business Studio.



TIBCO ActiveMatrix BusinessWorks Service Engine 5.11.0 bundles TIBCO Designer Add-in for TIBCO Business Studio 1.5.0.

Installation Modes

Three installation modes are available: GUI, Console, and Silent. See [Installing TIBCO Designer Add-in for TIBCO Business Studio on page 6](#) for details about installing the software in each of these modes.

Installation Types

Two installation types are available: Development Tools and Customize Installation. The Development Tools type installs all the products in the package on the specified platform. As described next, the Customize Installation type allows you to select one or more product features to be installed.

The following product features are available:

- **TIBCO Designer Add-in for TIBCO Business Studio 1.5.0**
 - Business Studio Designer
 - Documentation

Supported Platforms

TIBCO Designer Add-in for TIBCO Business Studio is supported on both 32-bit and 64-bit Windows platforms.

Microsoft Windows

- Windows Server 2008 R2
- Windows Server 2008 SP2
- Windows Server 2003 SP2
- Windows 7 (Professional is the minimum level supported by TIBCO)
- Windows XP Professional SP3

System Memory

A minimum of 512 MB physical memory is required.

Installer Account

Microsoft Windows

You must have administrator privileges for the machine on which TIBCO Designer Add-in for TIBCO Business Studio 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, you must ensure that the account used for installation has permission to access the network drive.

Installer Log File

The installer log file, `tibco_universal_installer.timestamp.username_install.log`, is written to the `User_Home\.TIBCO\install_timestamp` directory. For example, on Windows the installer log is written to the `C:\Documents and Settings\user-name\.TIBCO\install_timestamp` directory. The installer log file captures the following information:

- Installation environment details such as user who invoked the installer, hostname, java home in the environment, Operating System details, and so on.
- List of assemblies installed.

Disk Space

When a TIBCO Designer Add-in for TIBCO Business Studio package is unpacked, it is extracted into a temporary folder. The installer requires approximately 100 MB of free space to extract the package to a temporary folder.

Temporary Disk Space Required by the Installer

The installer requires at least 350 MB of free space in the temporary directory. On Microsoft Windows, temporary directory location 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 before the actual installation (copying of files to system) begins. The installer will proceed only if sufficient free disk space is available in the product home location.

If the disk space required is consumed by another process while the installer is copying the files, the disk space available can be reduced. In such a case, the installer may fail and will then give a failure message.

While performing installation, it is recommended not to run other processes that consume disk space in the product home location.

Disk Space After Installation

TIBCO Designer Add-in for TIBCO Business Studio and TIBCO Runtime Agent consume about 500 MB of disk space under *ENV_HOME*.

Installation Prerequisites

This section lists the required and optional products that work with TIBCO Designer Add-in for TIBCO Business Studio.

Prerequisites

TIBCO Runtime Agent 5.8.0 or higher

Required. TIBCO Designer must be selected while installing TIBCO Runtime Agent 5.8.0. The TIBCO-HOME must be the same location where you would install TIBCO Designer Add-in for TIBCO Business Studio.

TIBCO Business Studio

Recommended. TIBCO Business Studio is recommended to be installed in your environment before installing TIBCO Designer Add-in for TIBCO Business Studio. TIBCO Business Studio 3.6.x and above is supported.

TIBCO Adapters

Optional. Install the 6.0 version of TIBCO Adapters in TIBCO Designer Add-in for TIBCO Business Studio.

TIBCO ActiveMatrix BusinessWorks 5.11.0

Optional. Install TIBCO ActiveMatrix BusinessWorks to design processes in TIBCO Designer Add-in for TIBCO Business Studio.

Installing TIBCO Designer Add-in for TIBCO Business Studio

Installing in GUI mode

To install the product in GUI mode:

1. Open the physical media or download the TIBCO Designer Add-in for TIBCO Business Studio package. For example, `TIB_dabs_<version>_win_x86.zip` for Microsoft Windows platform.
2. Extract the product's archive file 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. The Welcome screen appears. Click **Next**.
6. The License Agreement screen appears. After reading through the license text, click **I accept the terms of the license agreement** and then click **Next**.
7. The Installation Profile Selection screen appears. Select **Development Tools** and then click **Next**.
8. If you selected Development Tools, proceed to [step 9](#). If you selected **Customize Installation** checkbox, then select the components available for installation. By default, all the components are selected. Clear the checkboxes next to the components you don't want installed. See [Installation Types on page 2](#) for information about the features listed for the product. Click **Next**.
9. The TIBCO Installation Home screen appears. Select the **Use an existing TIBCO_HOME** option and select an environment from the drop-down list. Click **Next**.



If there is more than one version of TIBCO Business Studio installed in the same `ENV_HOME`, run the **enableTargetEclipse** tool manually. For details, refer section [Designer Add-in for Business Studio \(DABS\) Tools on page 9](#).

10. The Pre Install summary screen appears. Verify the list of features selected for install and then click **Install**. The installation location of the links depends on the TIBCO Business Studio version available in your environment.

11. The Post Install Summary screen appears. This screen summarizes the installation process. Click **Finish** to complete the installation process and close the installer window.

Installing in Console mode

To install the software in console mode:

1. Open the physical media or download the TIBCO Designer Add-in for TIBCO Business Studio package.
2. Extract the product's archive file to a temporary directory.
3. Using a console window, navigate to the temporary directory.
4. Run **TIBCOUniversalInstaller -console**.
5. Complete the installation by responding to the console window prompts.



While running in the console mode, you can use the following keys to move through the installation process:

Enter: Moves forward in the installer.

BackSpace or 2: Returns to the previous screen.

3: Cancels the Wizard and exits the installation or uninstallation.

5: Redisplays the current screen.

Installing in 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.

The `TIBCOUniversalInstaller-dabs_<version>.silent` file is packaged in the directory that contains the universal installer. You must 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-dabs_<version>.silent` file, it is a good practice to copy the file to a different name and use that file for the silent install.

The following procedure explains how to install a TIBCO Designer Add-in for TIBCO Business Studio in silent mode. If errors occur during installation, they will be listed in the installation log file contained in `User_Home/.TIBCO` directory.

1. Open the physical media or download the TIBCO Designer Add-in for TIBCO Business Studio package.

2. Extract the product's archive file to a temporary directory.
3. Using a console window, navigate to the temporary directory.
4. Make a copy of the `TIBCOUniversalInstaller-dabs_<version>.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"
```

When installation completes, a line similar to the following is written to the installer log file:

```
Install, com.tibco.installer.util.TIBCOInstaller, dbg.Debug,  
The installation has completed. Please check the log file for  
additional information.
```

Post Installation

Run `enableTargetEclipse` to create a link with Eclipse. See [enableTargetEclipse](#) section for more details.

Guidelines to Choose the Installation Environment

In a multi-home environment with multiple versions of TIBCO Business Studio installed, different installation scenarios are possible.

While installing TIBCO Designer Add-in for Business Studio, you may choose to:

1. Install over existing TIBCO Business Studio 3.5.x and above.
2. Install TIBCO Business Studio 3.5.x and above in a new installation environment and select the new installation environment while installing the product.

Designer Add-in for Business Studio (DABS) Tools

The following new tools are a part of TIBCO Designer Add-in for TIBCO Business Studio.

generateManifest

This tool generates the manifest information/metadata for the `com.tibco.bsdesigner.plugin`.

1. Location of the tool:
`<<TIBCO-HOME-WITH-DABS>>/dabs/1.x/tools/generateManifest`

2. It consists of:
 - JAR > `generateManifest.jar`
 - Wrapper > `generateManifest.exe`
 - TRA File > `generateManifest.tra`
 - TRA-TEMPLATE File > `generateManifest.tra_template`

3. Installer:

Installer updates the TRA and TRA-TEMPLATE files with the required information attributes for the following values. Run the tool after a normal TIBCO Designer Add-in for TIBCO Business Studio installation:

- `tibco.env.JVM_LIB_PATH`
- `tibco.env.DABS_HOME`
- `tibco.env.DESIGNER_HOME`

4. Usage:

- Whenever there is ANY change in the `designer.tra` [in `<<TRA-TIBCO-HOME>>/designer/5.x/bin`] due to new product installation or new jars, etc. or any jar or files are added to the folders inside TIBCO-HOME, you MUST run this tool for the new products or jars to be available in TIBCO Designer Add-in for TIBCO Business Studio.
- Invoking the wrapper tool requires no arguments.
- Any subsequent instance of Business Studio/Eclipse must be launched with the `-clean` argument.

enableTargetEclipse

This tool creates a LINK in the "Eclipse" installation directory specified as an argument while running the tool.

1. Location:
 - <<TIBCO-HOME-WITH-DABS>>/dabs/1.x/tools/enableTargetEclipse
2. It consists of:
 - JAR > enableTargetEclipse.jar
 - Wrapper > enableTargetEclipse.exe
 - TRA File > enableTargetEclipse.tra
 - TRA-TEMPLATE File > enableTargetEclipse.tra_template

3. Installer:

Installer updates the TRA and TRA-TEMPLATE files with required information attributes for the following values:

- tibco.env.JVM_LIB_PATH
- tibco.env.DABS_HOME

4. Usage - To use the installed TIBCO Designer Add-in for TIBCO Business Studio Plug-ins with a new 'Eclipse/Studio installation':

- Run the tool only if you want to use the SAME TIBCO Designer Add-in for Business Studio with another Eclipse/Studio installation.
- Invoke the wrapper tool with one argument:

If the *target Eclipse is a Studio*, then the argument would be the directory containing the "links" folder.

If the *target Eclipse is a non-Studio Eclipse*, then the argument would be the directory containing "eclipse.exe".

Uninstalling TIBCO Designer Add-in for TIBCO Business Studio

To uninstall the software:

1. Navigate to `ENV_HOME\tools\universal_installer` and run `TIBCOUniversalInstaller`.
2. The wizard provides uninstall options for all the installed products. Clear the checkboxes for products you do not want to uninstall and then click **Uninstall**. To uninstall TIBCO Designer Add-in for TIBCO Business Studio the checkbox TIBCO Designer Add-in for TIBCO Business Studio must be selected.

When uninstalling, pop-up windows appear with warning that an updated file needs to be deleted. Click **Yes to All** to remove the file and subsequent files in the assembly. Because pop-up windows are generated for each installed assembly, you may see multiple pop-up windows.

3. The summary screen appears. Click **Finish** to exit the uninstall wizard.

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