

# **TIBCO ActiveMatrix BusinessWorks™ Plug-in for Trillium Installation**

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# TIBCO Documentation and Support Services

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All TIBCO documentation is available on the TIBCO Documentation site, which can be found here:  
<https://docs.tibco.com>

## Product-Specific Documentation

The following documents for this product can be found on the TIBCO Documentation site:

- *TIBCO ActiveMatrix BusinessWorks Plug-in for Trillium Installation*
- *TIBCO ActiveMatrix BusinessWorks Plug-in for Trillium User's Guide*
- *TIBCO ActiveMatrix BusinessWorks Plug-in for Trillium Release Note*

The following documents provide additional information and can be found on the TIBCO Documentation site:

- *TIBCO ActiveMatrix BusinessWorks Documentation*
- *TIBCO Enterprise Administrator User's Guide*

## 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 one.

## 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>

# Installation Overview

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You can install TIBCO ActiveMatrix BusinessWorks™ Plug-in for Trillium either by using TIBCO Universal Installer or TIBCO Eclipse Plug-in.

- TIBCO Universal Installer

TIBCO Universal Installer is shipped with three installation modes. Each installation mode has different characteristics. You can select an installation mode according to your installation environment.

For more information, see [Using TIBCO Universal Installer](#).

- TIBCO Eclipse Plug-in

TIBCO Eclipse Plug-in is an installation package for the Eclipse provisioning platform. TIBCO Eclipse Plug-in permits the installation of TIBCO ActiveMatrix BusinessWorks Plug-in within the Eclipse environment.

For more information, see [Using TIBCO Eclipse Plug-in](#).

# Installation Requirements

Before you run the installer, ensure that you meet all the hardware and software requirements and you have appropriate privileges to run the installer.

## Installation Account

To install on Microsoft Windows or Linux, ensure that you have the appropriate privileges, because privileges differ for various platforms.



Use the same installer account to install all TIBCO ActiveMatrix BusinessWorks products.

Platform	Account Privileges
Microsoft Windows	<p>Only users with administrator privileges can install the plug-in. If you do not have administrator privileges, the installer automatically exits.</p> <p>To install the product on a network drive, ensure that the account used for installation has permission to access the network drive.</p>
Linux	<p>Any type of user, regular (non-root) user and super-user (root), can perform installation.</p> <p>A graphic environment such as CDE or X Windows is required to run the installer in GUI mode.</p>

## System Requirements

Ensure that you meet all the system requirements before installing the plug-in.

### Platform

Before you run the installer, ensure that the appropriate platform is supported. See the `readme` file for information regarding supported operating system platforms, versions, and the required patches.

### Disk Space

The installer requires space in the temporary directory before installation, and additional space in the temporary directory for running the installer. Ensure that sufficient space is available in the directory that you want to use as the installation environment (`TIBCO_HOME`).



While installing the product, avoid running other processes that consume disk space in the installation environment directory. If another process consumes disk space while the installer is copying files, the installer might fail and display a failure message.



### Software

Ensure that you have installed the required software before you run the installer. See the `readme` file for supported products and versions.

The following are useful TIBCO products.

Software	Description
TIBCO ActiveMatrix BusinessWorks™	Required. TIBCO ActiveMatrix BusinessWorks supports your integration project throughout the project life cycle. It includes a common graphical user interface for configuration, process design, and deployment.
TIBCO® Enterprise Administrator	Optional. TIBCO Enterprise Administrator comprises of the TIBCO Enterprise Administrator server, a web user interface for the server, and the shell interface, with which you can manage the applications that you create in TIBCO Business Studio.

The following is the useful third-party product.

Software	Description
Trillium Software Director	Required. Trillium Software Director is an application server that deploys and manages real-time data quality processes across enterprise applications and platforms. It provides Matcher and Cleanser services.  Trillium Software Director is not required to be installed on the same machine with the plug-in.
Microsoft Visual C++ Redistributable Packages for Visual Studio 2013 (64-bit)	Required only for Microsoft Windows Operating System. The Visual C++ Redistributable Packages install run-time components that are required to run C++ applications that are built by using Visual Studio 2013.  The packages must be installed on the same machine with the plug-in.

# Using TIBCO Universal Installer

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TIBCO Universal Installer provides you three modes to install the products.

## Installer Overview

TIBCO Universal Installer provides three installation modes and you can select the installation environment and components during installation.

## Installation Modes

You can run TIBCO Universal Installer in the GUI, console, or silent mode. Each mode is supported on all platforms.

### GUI Mode

In the GUI mode, the installer presents panels using which you can select a product, product location, and so on. To invoke the installer in the GUI mode, double-click the executable file.

### Console Mode

In the console mode, you can run the installer on a command line. This is useful if your machine does not have a GUI environment.

### Silent Mode

In the silent mode, the installer installs the product without prompting you for information. The installer uses either default or custom settings that are saved in a response file.

## Installation Environment

An installation environment isolates product installations. A product installed into an installation environment does not access components in other installation environments.

An installation environment is the top level installation directory for TIBCO products. An installation environment consists of the following properties:

- **Directory**  
Identifies the directory into which the product is installed.
- **Name**  
Identifies the name of the folder where the product is installed.


A plug-in must be installed into an existing installation environment where TIBCO ActiveMatrix BusinessWorks is already installed. The installation environment of TIBCO ActiveMatrix BusinessWorks is referenced as *TIBCO\_HOME*. On Microsoft Windows, the default value of *TIBCO\_HOME* is `C:\tibco`.

## Installation Components

Different installation components are associated with different functions. Using the installer, you can select the components during the installation.

The following installation components are available for the plug-in:



Component	Description
TIBCO ActiveMatrix BusinessWorks Plug-in for Trillium Design	<p>This component includes the palettes and samples that show how the plug-in interacts with TIBCO ActiveMatrix BusinessWorks. You can configure your own business process in TIBCO Business Studio with an Eclipse user interface.</p> <p> When the design-time component is installed, the runtime component is also installed even if the runtime component is not selected.</p>
TIBCO ActiveMatrix BusinessWorks Plug-in for Trillium Runtime	This component passes and converts data to and from the vendor application. Parameters of data exchanges are stored in projects created using the plug-in palette.

The installation components are grouped into different installation profiles. One installation profile is associated with one or more installation components. When you select a profile, the components that default to the selected profile are installed. By default, the **Typical** installation profile is selected, therefore, all the installation components are installed. However, using the installer, you can customize the installation by explicitly selecting the components that you want to install.

The following installation profiles are available for the plug-in:

Installation Profile	Installed Components
Runtime	When this profile is selected, the Trillium Runtime component is installed.
Typical	<p>When this profile is selected, all the installation components are installed.</p> <p>By default, <b>Typical</b> is selected.</p>

## Installation

The plug-in can be installed in the GUI, console, or silent mode.

Ensure that you meet all the requirements described in the [Installation Requirements](#) section.



The plug-in must be installed into an existing installation environment where TIBCO ActiveMatrix BusinessWorks is installed. Stop all running processes in *TIBCO\_HOME* before the installation.

## Installing in the GUI Mode

In the GUI mode, the installer prompts you for information regarding the installation environment, installation profile, and other installation information.

### Procedure

1. Open the physical media or download the package from the TIBCO eDelivery site (<https://edelivery.tibco.com>).  
A user name and password are required for downloading. If you do not receive a user name and password, contact TIBCO Technical Support.
2. Extract the contents of the package to a temporary directory.
3. Navigate to the temporary directory to which you extracted the installation package.

4. Use one of the following ways to start the installation:
  - On Microsoft Windows, double-click `TIBCOUniversalInstaller.exe`.
  - On Linux, run `TIBCOUniversalInstaller-platform_acronym.bin`.
5. In the Welcome dialog, click **Next**.
6. In the License Agreement dialog, read through the license agreement and select **I accept the terms of the license agreement**. Click **Next**.
7. In the TIBCO Installation Home dialog, click **Use an existing TIBCO\_HOME** to select an existing installation environment where TIBCO ActiveMatrix BusinessWorks is installed. Click **Next**.  
See [Installation Environment](#) for more details.
8. In the Installation Profile Selection dialog, select one or more installation profiles to specify the installation components to be installed. Or select the **Customize Installation** check box to explicitly select the installation components. Click **Next**.  
See [Installation Components](#) for more details.
9. In the Pre-Install Summary dialog, review the list of products selected for installation. Click **Install**.
10. In the Post Install Summary dialog, review the list of installation information. Click **Finish** to complete the installation process and exit the installer.

## Installing in the Console Mode

In the console mode, you can run the installer on a command line.

### Procedure

1. Open the physical media or download the package from the TIBCO eDelivery site (<https://edelivery.tibco.com>).  
A user name and password are required for downloading. If you do not receive a user name and password, contact TIBCO Technical Support.
2. Extract the contents of the package to a temporary directory.
3. On the command line, navigate to the temporary directory to which you extracted the installation package.
4. Run the following command to start the installation:
  - On Microsoft Windows: `TIBCOUniversalInstaller.exe -console` or `TIBCOUniversalInstaller.cmd -console`
  - On Linux: `./TIBCOUniversalInstaller-platform_acronym.bin -console`
 A second command line is displayed.
5. Respond to the messages on the command line. The installation process is similar to [Installing in GUI Mode](#).
6. When the installation is completed, press Enter to exit the installer.

## Installing in the Silent Mode

In the silent mode, you can run the installer without user input by pointing the installer to an existing response file.

A default response file named `TIBCOUniversalInstaller_bwplugintrillium_version_number.silent` is packaged with the TIBCO Universal Installer. You need to edit the response file with information about your environment

before launching the silent installation. The best practice is to make a copy of the default response file, then edit that file and use it for the installation.

- If you invoke the installer with only the **-silent** argument, the installer reads the input from default response file.
- If you invoke the installer with the **-silent -V responseFile=<filename>** argument, the installer reads the input from the specified response file.

## Procedure

1. Open the physical media or download the package from the TIBCO eDelivery site (<https://edelivery.tibco.com>).  
A user name and password are required for downloading. If you do not receive a user name and password, contact TIBCO Technical Support.
2. Extract the contents of the package to a temporary directory.
3. Navigate to the temporary directory to which you extracted the installation package and open the `TIBCOUniversalInstaller_bwplugintrillium_version_number.silent` file.
4. Update the response file directly. Or make a copy of the response file first and then update the copied file.
5. On the command line, navigate to the temporary directory to which you extracted the installation package.
6. Enter the following command to start the installation:
  - On Microsoft Windows: `TIBCOUniversalInstaller.exe -silent [-V responseFile="filename"]` or `TIBCOUniversalInstaller.cmd -silent [-V responseFile="filename"]`
  - On Linux: `./TIBCOUniversalInstaller-platform_acronym.bin -silent [-V responseFile="filename"]`



If you copy the response file to another directory, not the temporary directory containing the installer, you need to provide the absolute path of the response file.

## Uninstallation

The plug-in can be uninstalled in the GUI or console mode.



Before uninstalling the plug-in, stop all the running processes in the installation environment.

### Uninstalling in the GUI Mode

You can uninstall all the products or specific products from a selected TIBCO HOME when using TIBCO Universal Installer to uninstall the plug-in in the GUI mode.

#### Procedure

1. Navigate to the `TIBCO_HOME/tools/universal_installer` directory.
2. Use one of the following ways to start the uninstallation:
  - On Microsoft Windows, double-click `TIBCOUniversalInstaller.exe`.
  - On Linux, run `TIBCOUniversalInstaller-platform_acronym.bin`.
3. In the TIBCO Installation Manager dialog, select **Uninstall Products from a TIBCO Home Location**.

4. In the **TIBCO Home Location** field, select the `TIBCO_HOME` in which the product is installed. Click **Next**.
5. In the Welcome dialog, click **Next**.
6. In the Uninstallation Type dialog, select an uninstallation option and click **Next**.
  - **Custom Uninstall**  
Removes the products you select.
  - **Typical Uninstall**  
Removes all the products in `TIBCO_HOME`.
7. If you select **Custom Uninstall**, select the check box next to the product to be uninstalled in the Product Uninstall Selection dialog. Click **Next**.
8. In the Pre-Uninstall Summary dialog, review the product to be uninstalled. Click **Uninstall**.
9. In the Post Uninstall Summary dialog, click **Finish** to complete the uninstallation process and exit the installer.
10. If you have uninstalled all the software in `TIBCO_HOME`, delete the folders in the installation environment and user home.

## Uninstalling in the Console Mode

If you are not working in a GUI environment, you can uninstall the software in the console mode.

### Procedure

1. On a command line, navigate to the `TIBCO_HOME/tools/universal_installer` directory.
2. Run the following command to start the uninstallation:
  - Microsoft Windows: `TIBCOUniversalInstaller.exe -console`
  - Linux: `./TIBCOUniversalInstaller-platform_acronym.bin -console`
3. Respond to the messages on the command line. The uninstallation process is the similar to [Uninstalling in the GUI Mode](#).
4. When the uninstallation is completed, press Enter to exit the installer.

# Using TIBCO Eclipse Plug-in

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TIBCO Eclipse Plug-in is an installation package for the Eclipse provisioning platform. You can manage the installation and updates by using Eclipse Update Manager.

## Installing the Plug-in

You can install the plug-in from Eclipse Update Manager.

### Prerequisites

Ensure that you meet all the requirements described in the [Installation Requirements](#) section.

### Procedure

1. Download the TIBCO Eclipse Plug-in installation package from the TIBCO eDelivery site (<https://edelivery.tibco.com>).
2. Open TIBCO Business Studio in one of the following ways:
  - Microsoft Windows: click **Start > All Programs > TIBCO > TIBCO\_HOME > TIBCO Business Studio version\_number > Studio for Designers**.
  - Linux: run the TIBCO Business Studio executable file located in the *TIBCO\_HOME/studio/version\_number/eclipse* directory.
3. From the menu, click **Help > Install New Software** to open Eclipse Update Manager.
4. In the Install dialog, click **Add**.
5. In the pop-up Add Repository dialog, click **Archive** and locate the TIBCO Eclipse Plug-in installation package downloaded in [Step 1](#). Click **OK**.
6. In the Available Software dialog, select the product features to be installed. Click **Next**.
7. In the Install Details dialog, review the components to be installed. Click **Next**.
8. In the Review Licenses dialog, click **I accept the terms of the license agreement**. Click **Finish** to start the installation.
9. If a security warning dialog is displayed during the installation, click **OK** to continue the installation.
10. Click **Restart Now** when you are prompted to restart TIBCO Business Studio.

## Uninstalling the Plug-in

You can uninstall the plug-in from Eclipse Update Manager.

### Procedure

1. Open TIBCO Business Studio in one of the following ways:
  - Microsoft Windows: click **Start > All Programs > TIBCO > TIBCO\_HOME > TIBCO Business Studio version\_number > Studio for Designers**.
  - Linux: run the TIBCO Business Studio executable file located in the *TIBCO\_HOME/studio/version\_number/eclipse* directory.
2. From the menu, click **Help > Install New Software** to open Eclipse Update Manager.
3. In the Available Software dialog, click the **already installed** link.
4. In the **Installed Software** tab, select the product to be uninstalled and click **Uninstall**.

5. In the Uninstall Details dialog, review the product to be uninstalled. Click **Finish**.
6. Click **Restart Now** when you are prompted to restart TIBCO Business Studio.

## Postinstallation Tasks

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After installing the plug-in on Microsoft Windows or Linux, you need to create two environment variables on the machine where the plug-in is installed. You can get the values of the two environment variables from Trillium Software Director.

- Create a new environment variable: **TRILLDIRADDR**.

In the Variable name field, enter **TRILLDIRADDR** and in the Value field enter the IP address or the machine name of Trillium Software Director you want to connect to.

- Create a new environment variable: **TRILLDIRPORT**.

In the Variable name field, enter **TRILLDIRPORT** and in the Value field enter the port number of Trillium Software Director you want to connect to.



The plug-in that you installed on a client machine can only connect to one Trillium Software Director specified by the port number and the IP address.

# Installation Logging

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If you encounter problems with the installation, first ensure that your system meets all prerequisites. Next, check the installer log for potential problems.

The installer log file, `tibco_universal_installer.timestamp.username_install.log`, is available in the following locations:

- Microsoft Windows: `C:\Users\username\.TIBCO\install_timestamp`
- Linux: `user_home_dir/.TIBCO/install_timestamp`

The installer log file captures the following information:

- Installation home provides information details regarding the user that invoked the installer, hostname, operating system, and so on.
- List of assemblies installed.
- Information related to the Ant scripts executed by the installer.

To change the location of the installer log file, specify the option `-V logFile="myLogFile"` when you run the installer.