

TIBCO ActiveMatrix® Adapter Framework Installation

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TIBCO Documentation and Support Services

Documentation for this and other TIBCO products is available on the TIBCO Documentation site. This site is updated more frequently than any documentation that might be included with the product. To ensure that you are accessing the latest available help topics, please visit:

<https://docs.tibco.com>

Product-Specific Documentation

Documentation for TIBCO products is not bundled with the software. Instead, it is available on the TIBCO Documentation site. To directly access documentation for this product, double-click the following file:

```
TIBCO_HOME/release_notes/TIB_adapteruipack_version_docinfo.html
```

where `TIBCO_HOME` is the top-level directory in which TIBCO products are installed. On Windows, the default `TIBCO_HOME` is `C:\Program Files\tibco`. On UNIX systems, the default `TIBCO_HOME` is `/opt/tibco`.

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

- *TIBCO ActiveMatrix Adapter Framework Administration*
- *TIBCO ActiveMatrix Adapter Framework Reference*
- *TIBCO ActiveMatrix Adapter Framework Installation*
- *TIBCO ActiveMatrix Adapter Framework Release Notes*

How to Contact TIBCO Support

For comments or problems with this manual or the software it addresses, contact TIBCO Support:

- 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 TIBCOmmunity

TIBCOmmunity 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. TIBCOmmunity offers forums, blogs, and access to a variety of resources. To register, go to the following web address:

<https://www.tibcommunity.com>

Installation Overview

You can use TIBCO Universal Installer to install and uninstall TIBCO ActiveMatrix® Adapter Framework.

If this is your first time using TIBCO Universal Installer to install TIBCO ActiveMatrix Adapter Framework, it is good practice to review the following topics before the installation:

- [Installation Modes](#)
- [Installation Environment](#)
- [Installation Components](#)

Installation Modes

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

GUI Mode

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

Console Mode

In 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 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 one installation environment cannot 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 where the product is installed.
- **Name**
Identifies the name of the folder where the product is installed.

TIBCO ActiveMatrix Adapter Framework must be installed into an existing installation environment. The installation environment of TIBCO ActiveMatrix BusinessWorks is referenced as *TIBCO_HOME*. On Microsoft Windows, the default value of *TIBCO_HOME* is `C:\Program Files\tibco`.

Installation Components

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

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 grouped in the selected profile are installed. By default, the **Typical** installation profile is selected, therefore, all the installation components are installed.

The following installation components are available for TIBCO ActiveMatrix Adapter Framework:

Component	Description
Design	<p>This component includes all the Eclipse graphical user interface(GUI) for TIBCO ActiveMatrix Adapter Framework. You can configure your own adapter configurations and business processes in TIBCO Business Studio with the Eclipse GUI.</p>
Runtime	<p>This component includes Adapter Administration, which is used to deploy and run Enterprise Archive (EAR) files of adapter projects by using a command line.</p> <div style="display: flex; align-items: center;">  <p>You can install this component independently without installing TIBCO ActiveMatrix BusinessWorks 6.x.</p> </div>

Installation Requirements

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

Installation Account

To install on Microsoft Windows or Unix, you must have appropriate privileges. 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 TIBCO ActiveMatrix Adapter Framework. 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>
Unix	<p>Any type of user, regular (non-root) user and super-user (root), can perform the installation on Unix.</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 your system meets the hardware and software requirements before installing TIBCO ActiveMatrix Adapter Framework.

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 some space in the temporary directory before installation, and additional space in the temporary directory to run 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 use disk space in the installation environment directory. If another process uses 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 Rendezvous®	<p>Required.</p> <p>TIBCO Rendezvous is available as a separate installation, and you must install TIBCO Rendezvous before installing TIBCO ActiveMatrix Adapter Framework.</p>
TIBCO Runtime Agent™	<p>Required. TIBCO Runtime Agent is required on each machine that hosts an adapter.</p> <p>TIBCO Runtime Agent includes TIBCO Designer™, TIBCO Hawk® agent, along with a number of TIBCO and third-party libraries used by the adapter and other TIBCO products.</p> <p>TIBCO Runtime Agent is available as a separate installation. You must install TIBCO Runtime Agent before installing TIBCO ActiveMatrix Adapter Framework.</p>
TIBCO ActiveMatrix® Adapter for Database	<p>Required for TIBCO ActiveMatrix® Adapter for Database (TIBCO Business Studio™).</p> <p>TIBCO ActiveMatrix Adapter for Database is required as a bidirectional gateway between databases and applications configured for the TIBCO environment. You must install it before installing TIBCO ActiveMatrix Adapter Framework.</p>
TIBCO ActiveMatrix® Adapter for Files for Unix/Win	<p>Required for TIBCO ActiveMatrix® Adapter for Files for Unix/Win (TIBCO Business Studio™).</p> <p>TIBCO ActiveMatrix Adapter for Files for Unix/Win processes data from text files and publishes the contents in real-time to the TIBCO environment. It is available as a separate installation and you must install it before installing TIBCO ActiveMatrix Adapter Framework.</p>
TIBCO ActiveMatrix® Adapter for SAP	<p>Required for TIBCO ActiveMatrix® Adapter for SAP (TIBCO Business Studio™).</p> <p>TIBCO ActiveMatrix Adapter for SAP is required as a bidirectional gateway between SAP applications and applications configured for the TIBCO environment. The adapter can remotely connect and operate with SAP systems running on OS platforms not supported by the adapter. You must install it before installing TIBCO ActiveMatrix Adapter Framework.</p>

Software	Description
TIBCO ActiveMatrix BusinessWorks	<p>Required for design time.</p> <p>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.</p> <p>TIBCO ActiveMatrix BusinessWorks is available as a separate installation.</p> <ul style="list-style-type: none"> • If you install TIBCO ActiveMatrix Adapter Framework to configure adapters, you have to install TIBCO ActiveMatrix BusinessWorks 6.x before installing TIBCO ActiveMatrix Adapter Framework. • If you install TIBCO ActiveMatrix Adapter Framework to deploy and run EAR files of adapter projects by using a command line, you can install the Adapter Administration component only, and TIBCO ActiveMatrix BusinessWorks 6.x is not required.
TIBCO® Database Drivers Supplement	<p>Required for TIBCO ActiveMatrix Adapter for Database (TIBCO Business Studio).</p> <p>TIBCO Database Drivers Supplement provides licensed DataDirect database JDBC drivers that can be used with TIBCO ActiveMatrix Adapter Framework.</p> <p>TIBCO Database Drivers Supplement is available as a separate installation package, and you can install it after installing TIBCO ActiveMatrix Adapter Framework.</p>
TIBCO® Enterprise Administrator	<p>Optional.</p> <p>TIBCO Enterprise Administrator consists of a TIBCO Enterprise Administrator server, a web user interface for the server, and a shell interface, with which you can manage the applications that you create in TIBCO Business Studio.</p> <p>TIBCO Enterprise Administrator is available as a separate installation, and you can install it after installing TIBCO ActiveMatrix Adapter Framework.</p>
TIBCO Hawk	<p>Optional. TIBCO Hawk is required only for adapter monitoring by using TIBCO Hawk.</p> <p>TIBCO Hawk is available as a separate installation, and you can install it after installing TIBCO ActiveMatrix Adapter Framework.</p>
TIBCO Enterprise Message Service™	<p>Optional.</p> <p>TIBCO Enterprise Message Service is required only if you use the Java Messaging Services (JMS) as the message transport for your adapter.</p> <p>TIBCO Enterprise Message Service is available as a separate installation package, and you can install it after installing TIBCO ActiveMatrix Adapter Framework.</p>

Preinstallation Tasks

Before installing TIBCO ActiveMatrix Adapter Framework, make sure that your system meets all prerequisites and that you install the required software in the right order.



Make sure that TIBCO ActiveMatrix Adapters, TIBCO ActiveMatrix BusinessWorks 6.x, and TIBCO ActiveMatrix Adapter Framework are installed in the same *TIBCO_HOME*.

Before installing TIBCO ActiveMatrix Adapter Framework, you have to install TIBCO Rendezvous and TIBCO Runtime Agent.

1. Install the following TIBCO ActiveMatrix Adapters according to your project requirements:

- TIBCO ActiveMatrix Adapter for SAP
- TIBCO ActiveMatrix Adapter for Database
- TIBCO ActiveMatrix Adapter for Files for Unix/Win

2. Install TIBCO ActiveMatrix BusinessWorks 6.x according to your project requirements.

Whether TIBCO ActiveMatrix BusinessWorks 6.x is required depends on the installation profiles you select.



- If you install TIBCO ActiveMatrix Adapter Framework to configure adapters, you have to install the Adapter Framework component, and TIBCO ActiveMatrix BusinessWorks 6.x is required.
- If you install TIBCO ActiveMatrix Adapter Framework to deploy and run EAR files of adapter projects by using a command line, you can only install the Adapter Administration component, and TIBCO ActiveMatrix BusinessWorks 6.x is not required.

3. Uninstall any earlier version of TIBCO ActiveMatrix Adapter Framework before installing a new version. If any hotfixes exist, they must also be uninstalled.

Installation

When using TIBCO Universal Installer, you can install TIBCO ActiveMatrix Adapter Framework in GUI, console, or silent mode.

Ensure that your system meets all the requirements. See [Installation Requirements](#) for details.



Stop all running processes in the installation environment before the installation.

Installing in GUI Mode

In 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 installation package from the TIBCO eDelivery site (<https://edelivery.tibco.com>).
To download the installation package, a user name and password are required. If you do not have a user name and password, contact TIBCO Technical Support.
2. Extract the content of the installation package to a temporary directory.
3. Use the extracted installation package to start the installation in one of the following ways:
 - On Microsoft Windows, double-click `TIBCOUniversalInstaller-x86-64.exe`.
 - On Unix, run `TIBCOUniversalInstaller-platform_acronym.bin`.
4. In the Welcome dialog, click **Next**.
5. In the License Agreement dialog, read through the license agreement and click **I accept the terms of the license agreement**. Click **Next**.
6. 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.
7. In the Installation Profile Selection dialog, select an installation profile to specify the installation components to be installed. Or select the **Customize Installation** check box to select the installation components. Click **Next**.
See [Installation Components](#) for more details.
8. In the Pre-Install Summary dialog, review the list of products selected for the installation. Click **Install**.
9. In the Post Install Summary dialog, review the list of the installation information. Click **Finish** to complete the installation process and exit the installer.

Installing in Console Mode

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

Procedure

1. Open the physical media or download the installation package from the TIBCO eDelivery site (<https://edelivery.tibco.com>).
To download the installation package, a user name and password are required. If you do not have a user name and password, contact TIBCO Technical Support.

2. Extract the content of the package to a temporary directory.
3. On a 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.cmd -console`
 - On Unix: `./TIBCOUniversalInstaller-platform_acronym.bin -console`
5. Respond to the messages on the command line.
The installation options are the same as GUI mode. See [Installing in GUI Mode](#) for more details.
6. When the installation is completed, press Enter to exit the installer.

Installing in Silent Mode

In 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_adapteruipack_version.silent` is packaged with TIBCO Universal Installer. Before launching the silent installation, you have to edit the response file with information about your environment. It is good 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 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>).
To download the installation package, a user name and password are required. If you do not have a user name and password, contact TIBCO Technical Support.
2. Extract the content of the package to a temporary directory and open the `TIBCOUniversalInstaller_adapteruipack_version.silent` file.
3. Update the response file directly, or make a copy of the response file first, and then update the copied file.
4. On the command line, navigate to the temporary directory where you extracted the installation package.
5. Enter the following command to start the installation:
 - On Microsoft Windows: `TIBCOUniversalInstaller.cmd -silent [-V responseFile="filename"]`
 - On Unix: `./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 have to provide the absolute path of the response file.

Uninstallation

You can uninstall TIBCO ActiveMatrix Adapter Framework in GUI, or console mode when using TIBCO Universal Installer.



Before uninstalling TIBCO ActiveMatrix Adapter Framework, stop all running processes in the installation environment.

Uninstalling in GUI Mode

You can uninstall all the products or specific products from a selected TIBCO HOME when using TIBCO Universal Installer to uninstall TIBCO ActiveMatrix Adapter Framework in 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 Unix, run `TIBCOUniversalInstaller-platform_acronym.bin`.

You can run `TIBCOUniversalInstaller` without specifying any options. The installer defaults to GUI mode.

3. In the TIBCO Installation Manager dialog, select **Uninstall Products from a TIBCO Home Location**.
4. From the **TIBCO Home Location** list, select the TIBCO HOME where 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**
You can select the products to be removed.
 - **Typical Uninstall**
All the products in the selected TIBCO HOME are removed.
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 the selected TIBCO HOME, delete the folders in the installation environment and user home.

Uninstalling in Console Mode

If you are not working in a GUI environment, you can uninstall the software in 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`
 - Unix: `./TIBCOUniversalInstaller-platform_acronym.bin -console`
3. Respond to the messages on the command line.
The uninstallation options are the same as GUI mode. See [Uninstalling in GUI Mode](#) for more details.
 4. When the uninstallation is completed, press Enter to exit the installer.

Installation Logging

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

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

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

The installer log file captures the following information:

- Detailed information regarding the user that invoked the installer, hostname, operating system details, 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.