

**TIBCO ActiveMatrix® Adapter for
OSIsoft PI
Installation
Software Release 1.0
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Preface

TIBCO ActiveMatrix Adapter for OSIsoft PI software allows data exchange between PI Server and other TIBCO applications. It extends request-response and publication technology to PI Server.

The adapter connects remotely to a PI Server.

TIBCO Product Documentation

This section lists documentation resources you may find useful.

The following documents form the TIBCO ActiveMatrix Adapter for OSIssoft PI documentation set:

- *Concepts*: Read this manual before reading any other book in the documentation set. This book describes the adapter, adapter features, and the applications that the adapter interacts with.
- *Installation*: Read this manual to learn how to install TIBCO ActiveMatrix Adapter for OSIssoft PI.
- *Configuration and Deployment*: This manual explains how to create and configure adapter projects. Information on deploying adapter projects is also included.
- *Examples*: This manual provides instructions to run the examples that demonstrate use of the adapter.
- *Release Notes*: Read this manual for a list of new and changed features, steps for migrating from a previous release, and lists of known issues and closed issues for the release.

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 TIBCOcommunity. TIBCOCommunity offers forums, blogs, and access to a variety of resources. To register, go to <http://www.tibcommunity.com>.

How to Access TIBCO Documentation

After you join TIBCOCommunity, you can access the 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 username and password. If you do not have a username, you can request one.

Chapter

1

Installation Overview

This chapter explains installation modes, requirements, and other options you should be aware of before starting the installation.

Topics

- [Installation Modes](#)
- [Installation Types](#)
- [Installer Account](#)
- [Installer Log File](#)

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.

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.

The installer log file captures the following information:

- Installation environment details, such as the user that invoked the installer, host name, Java home in the environment, operating system details, and so on.
- List of assemblies installed.
- Information related to the Ant scripts that are executed by the installer.

Chapter

2

Installation Requirements

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

Topics

- [Disk Space Requirements](#)
- [System Memory Requirements](#)
- [Software Requirements](#)

Disk Space Requirements

Before installing this product, extract the contents of the installation archive to a temporary directory. The installer files consume up to 300MB of disk space.

Temporary Disk Space Required by the Installer

The installer requires at least 50 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 a failure message will appear.

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

Disk Space After Installation

This product consumes 250 MB of free space under TIBCO_HOME.

System Memory Requirements

A minimum of 256 MB of physical memory is required.

Software Requirements

The required and optional software products are as follows. Refer to the readme file for the supported versions.

- **TIBCO Rendezvous:** Required
- **TIBCO Runtime Agent:** Required

TIBCO Runtime Agent supplies a number of TIBCO and third-party libraries used by the adapter and other TIBCO products both at design time and runtime. This includes, for example, TIBCO Rendezvous software.

You must install TIBCO Runtime Agent on each machine that hosts an adapter. TIBCO Runtime Agent must be installed before you install the adapter.

- **TIBCO Administrator:** Required for deployment.

TIBCO Administrator includes the following modules:

- User Management

Management of authentication, roles, and users, that is, connecting roles (groups) and users to access control lists (ACLs). This includes security for server-based projects at design time, and for deployed applications at runtime.

- Resource Management

Monitoring of machines and all running applications in a TIBCO administration domain. Alerts can be created, for example, to notify an administrator if the number of processes or disk usage exceed a certain number.

- Application Management

Uploading of Enterprise Archive (EAR) files, creation, configuration, deployment, and monitoring of applications. This console is also used to start and stop applications.

TIBCO Administrator is available as a separate installation and can be installed after installing the adapter.

- **TIBCO Enterprise Message Service:** Required for using Java Messaging Services (JMS) as the message transport for your adapter.

TIBCO Enterprise Message Service is available as a separate installation and can be installed after the adapter is installed.

- **TIBCO ActiveMatrix BusinessWorks:** Optional. TIBCO ActiveMatrix BusinessWorks is a scalable, extensible, and easy-to-use integration platform that allows you to develop integration projects. TIBCO Adapters are typically part of integration projects created using TIBCO ActiveMatrix BusinessWorks.

TIBCO ActiveMatrix BusinessWorks is available as a separate installation, and can be installed after installing the adapter.



Make sure you have installed the PI SDK on the machine where the adapter is installed.

Chapter

3

Adapter Installation

This chapter explains installation modes, requirements, and other options you should be aware of before starting the installation.

Topics

- [Installing in GUI Mode](#)
- [Installing in Console Mode](#)
- [Installing in Silent Mode](#)

Installing in GUI Mode

When you run the installer in GUI mode, the installer prompts you for information about the installation environment, and allows other customizations.

Before you begin

Make sure all TIBCO processes are not running before starting the installation process.

Procedure

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 the GUI mode.
5. Click **Next** in the Welcome screen.
6. Read through the license agreement, select **I accept the terms of the license agreement**, and click **Next**.
7. Choose to install in an existing `TIBCO_HOME` by selecting an installation environment from the drop-down list and click **Next**.
8. Select the Typical installation profile from the list on the left to install the following features:
 - **Runtime** Includes the runtime tools for the adapter.
 - **Documentation** Includes the adapter documentation.To customize the profile feature settings, check the Customize Installation checkbox and use the feature tree on the right.
9. In the Pre-Install summary screen, verify the list of products selected for installation, and click **Install**.
10. Click the Finish button to complete the installation process and exit the universal installer.

Installing in Console Mode

After you prepare your system and the installation media, you can run the installer in console mode.

Procedure

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 -console`.
The installer launches a second console window.
5. Complete the installation by responding to the console window prompts.

Installing in Silent Mode

You can run the installer without user input by pointing the installer to a response file. A default preconfigured response file exists.

Procedure

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. Make a copy of the `TIBCOUniversalInstaller_adpi_<version>.silent` file and name the file, for example, *myfilename.silent*. `<version>` refers to the version of the adapter.
5. Using a text editor, open the copied file and update the installation location and features to install.
6. Run the silent installer with or without the optional response file.

– **Windows:** `TIBCOUniversalInstaller.cmd -silent [-V responseFile="myfile.silent" ]`

Chapter

4

Uninstallation

About this task

This section describes how to uninstall this product in the GUI mode and the Console mode.

Procedure

1. Shut down all running TIBCO applications.
2. Navigate to TIBCO_HOME / tools / universal_installer and run TIBCOUniversalInstaller to launch the InstallShield wizard.
3. Select the Uninstall Products From Selected TIBCO Home Location radio button.
4. Specify the TIBCO_HOME where TIBCO ActiveMatrix Adapter for OSIssoft for PI is installed and click the Next button.
5. The Welcome dialog appears. Click the **Next** button.
6. Choose the Custom Uninstall (Select The Products To Be Removed) radio button. The wizard provides two uninstallation options:
 - Custom Uninstall You can select the products to be removed.
 - Typical Uninstall The universal uninstaller removes all the products in this TIBCO_HOME.
7. Click the **Next** button. Select the TIBCO ActiveMatrix Adapter for OSIssoft for PI 1.0.0 checkbox, and click the **Next** button.
8. Review the Pre-Uninstall Summary and click the **Uninstall** button to start the uninstallation process.
9. Review the Post-Uninstall Summary and click the **Finish** button to exit the wizard.

Topics

- [Console Mode](#)

Console Mode

Procedure

1. Using a command window, navigate to the TIBCO_HOME\tools\universal_installer directory.
2. Type the following command at the command prompt: `TIBCOUniversalInstaller.exe -console`
3. Complete the installation by responding to the console window prompts.