

TIBCO ActiveMatrix® Adapter for SAP (TIBCO Business Studio™) 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_adr3bs_version_number_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 on the TIBCO Documentation site:

- *TIBCO ActiveMatrix Adapter for SAP (TIBCO Business Studio) Installation*
- *TIBCO ActiveMatrix Adapter for SAP (TIBCO Business Studio) User's Guide*
- *TIBCO ActiveMatrix Adapter for SAP (TIBCO Business Studio) Examples*
- *TIBCO ActiveMatrix Adapter for SAP (TIBCO Business Studio) 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 for SAP (TIBCO Business Studio™).

If this is your first time using TIBCO Universal Installer to install TIBCO ActiveMatrix Adapter for SAP (TIBCO Business Studio), 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 for SAP (TIBCO Business Studio) must be installed into an existing installation environment where TIBCO ActiveMatrix® Adapter Framework 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:\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 to the selected profile are installed. By default, the **Typical** installation profile is selected, therefore, all the installation components are installed.

TIBCO ActiveMatrix Adapter Design

TIBCO ActiveMatrix Adapter for SAP (TIBCO Business Studio) only has one component which is named as Adapter for SAP. You can use this component to configure adapter configurations and TIDManager configurations in TIBCO Business Studio™ at design time.

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 for SAP (TIBCO Business Studio). 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 the ActiveMatrix Adapter for SAP (TIBCO Business Studio).

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>You must install it before installing TIBCO Runtime Agent™.</p>
TIBCO Runtime Agent	<p>Required.</p> <p>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>You must install it before you install TIBCO ActiveMatrix® Adapter for SAP.</p>
TIBCO ActiveMatrix Adapter for SAP	<p>Required.</p> <p>TIBCO ActiveMatrix Adapter for SAP is required as a bi-directional 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.</p>
TIBCO ActiveMatrix BusinessWorks	<p>Required.</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>You must install it before installing TIBCO ActiveMatrix® Adapter Framework.</p>
TIBCO ActiveMatrix Adapter Framework	<p>Required.</p> <p>TIBCO ActiveMatrix Adapter Framework provides a visual, model-driven development environment for configuring supported TIBCO adapters in TIBCO Business Studio, and integrating them with TIBCO ActiveMatrix BusinessWorks 6 applications and processes. It also provides administration capabilities for deploying the TIBCO adapters developed in TIBCO Business Studio to runtime environments.</p> <p>It works as a bridge between TIBCO ActiveMatrix Adapter for SAP (TIBCO Business Studio) and TIBCO ActiveMatrix BusinessWorks 6.</p> <p>You must install it before installing TIBCO ActiveMatrix Adapter for SAP (TIBCO Business Studio).</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>You can install it after installing TIBCO ActiveMatrix Adapter for SAP.</p>

Software	Description
TIBCO Hawk	<p data-bbox="635 226 746 258">Optional.</p> <p data-bbox="635 275 1473 331">TIBCO Hawk is required only for adapter monitoring by using TIBCO Hawk.</p> <p data-bbox="635 352 1473 384">You can install it after installing TIBCO ActiveMatrix Adapter for SAP.</p>
TIBCO Enterprise Message Service™	<p data-bbox="635 422 746 453">Optional.</p> <p data-bbox="635 470 1473 527">TIBCO Enterprise Message Service is required only if you use the Java Messaging Services (JMS) as the message transport for your adapter.</p> <p data-bbox="635 548 1473 604">You can install it after installing TIBCO ActiveMatrix Adapter for SAP (TIBCO Business Studio).</p>

Installation

When using TIBCO Universal Installer, you can install TIBCO ActiveMatrix Adapter for SAP (TIBCO Business Studio) in GUI, console, or silent mode.

Ensure that your system meets all the requirements described in the [Installation Requirements](#) section.



TIBCO ActiveMatrix Adapter for SAP (TIBCO Business Studio) must be installed into an existing installation environment where TIBCO ActiveMatrix Adapter Framework is installed. 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 Adapter Framework is installed. Click **Next**. See [Installation Environment](#) for more details.
7. In the Installation Profile Selection dialog, click **Next**.
TIBCO ActiveMatrix Adapter for SAP (TIBCO Business Studio) only has one installation component, so you do not have to choose installation component by selecting an installation profile or enabling customize installation. 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.
10. You can keep the **Launch TIBCO Configuration Tool** check box selected to immediately configure the TIBCO Configuration Tool for the SAP JCo driver after the installation process is completed. Or clear the check box to configure the TIBCO Configuration Tool for the SAP JCo driver later.
See [Configuring the SAP JCo Driver by Using the TIBCO Configuration Tool](#) for more details.
11. 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_adr3bs_version_number.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 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_adr3bs_version_number.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.

Postinstallation Tasks

The tasks to be performed after installing TIBCO ActiveMatrix Adapter for SAP (TIBCO Business Studio). Otherwise, TIBCO ActiveMatrix Adapter for SAP (TIBCO Business Studio) cannot work properly or some features might not be available.

Configuring the SAP JCo Driver by Using the TIBCO Configuration Tool

After completing the installation process, you have to configure the SAP-JCo driver by using the TIBCO Configuration Tool to plug the SAP JCo library into TIBCO ActiveMatrix BusinessWorks. You have to reconfigure the SAP JCo driver each time a new SAP JCo library is installed.

Procedure

1. In the `TIBCO_HOME/tct/version_number` directory, double-click `TIBCOConfigurationTool.exe` to open the TIBCO Configuration Tool.



After completing the installation process, the TIBCO Configuration Tool is automatically opened if you select the **Launch TIBCO Configuration Tool** check box in the Post Install Summary dialog during the installation process.

2. Optional: In the TIBCO Configuration Folder window, click **Browse** to select a new directory to store the configuration data.
3. Click **OK**.
4. In the TIBCO Configuration Tool window, click **Configure SAP-JCo Driver**.
5. In the SAP-JCo Driver Configuration wizard, click **Next**.
6. In the SAP-JCo Driver: JAR Files dialog, click **Browse** to select an SAP JCo library. Click **Next**.
7. In the Test Selected SAP-JCo Driver dialog, enter values for the following fields:
 - **Application Server**
The network name of the SAP application server host machine
 - **System Number**
The SAP system number
 - **Client**
The SAP client number
 - **User Name**
The valid user name to log on to the SAP client specified
 - **Password**
The valid password corresponding to the user name
 - **Language**
The language used to log on to the SAP system
8. Click **Test Connection** to check whether the SAP JCo library is installed successfully. Click **Next**.
9. Optional: In the SAP-JCo Driver: Summary dialog, click **Browse** to select a new directory to store configuration data.
10. Click **Configure** to start the configuration process.
The **Configure SAP-JCo Driver** check box is selected by default.

11. After the configuration process is completed, click **Close**.
12. In the TIBCO Configuration Tool window, click **Close** to close the TIBCO Configuration Tool.

Uninstallation

You can uninstall TIBCO ActiveMatrix Adapter for SAP (TIBCO Business Studio) in GUI or console mode when using TIBCO Universal Installer.



Before uninstalling TIBCO ActiveMatrix Adapter for SAP (TIBCO Business Studio), 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 for SAP (TIBCO Business Studio) 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`.
3. In the TIBCO Installation Manager dialog, click **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**
You cannot select the products. All the products in the selected TIBCO HOME are removed.
7. If you select **Custom Uninstall** in [Step 2](#), 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.cmd -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.