

# TIBCO ActiveSpaces® Transactions

## Installation

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# About this book

This guide describes how to install the TIBCO ActiveSpaces® Transactions product.

It is intended for the following types of readers:

- Java developers who want to install TIBCO ActiveSpaces® Transactions for application development.
- System operators deploying TIBCO ActiveSpaces® Transactions applications.

## Related documentation

This book is part of a set of TIBCO ActiveSpaces® Transactions documentation, which also includes:

**TIBCO ActiveSpaces® Transactions Quick Start** — This guide describes how to quickly get started using Java IDEs to develop TIBCO ActiveSpaces® Transactions applications.

**TIBCO ActiveSpaces® Transactions Architect's Guide** — This guide provides a technical overview of TIBCO ActiveSpaces® Transactions .

**TIBCO ActiveSpaces® Transactions Administration Guide** — This guide provides administration information for TIBCO ActiveSpaces® Transactions .

**TIBCO ActiveSpaces® Transactions Java Developer's Guide** — This guide describes how to develop TIBCO ActiveSpaces® Transactions applications.

**TIBCO ActiveSpaces® Transactions Performance Tuning Guide** — This guide describes the tools and techniques to tune TIBCO ActiveSpaces® Transactions applications.

**TIBCO ActiveSpaces® Transactions System Sizing Guide** — This guide describes how to size system resources for TIBCO ActiveSpaces® Transactions applications.

**TIBCO ActiveSpaces® Transactions Javadoc** — The reference documentation for all TIBCO ActiveSpaces® Transactions APIs.

## Conventions

The following conventions are used in this book:

**Bold** — Used to refer to particular items on a user interface such as the **Event Monitor** button.

**Constant Width** — Used for anything that you would type literally such as keywords, data types, parameter names, etc.

**Constant Width Italic** — Used as a place holder for values that you should replace with an actual value.

# **TIBCO ActiveSpaces® Transactions community**

The TIBCO ActiveSpaces® Transactions online community is located at <https://devzone.tibco.com>. The online community provides direct access to other TIBCO ActiveSpaces® Transactions users and the TIBCO ActiveSpaces® Transactions development team. Please join us online for current discussions on TIBCO ActiveSpaces® Transactions development and the latest information on bug fixes and new releases.



# 1

## Installation Guidelines

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Installation of the TIBCO ActiveSpaces® Transactions software.

### Supported software and hardware

For information on supported hardware and software, and platform specific prerequisites for TIBCO ActiveSpaces® Transactions , see the **TIBCO ActiveSpaces® Transactions Release Notes**.



The release notes may contain additional required software and operating system configuration details required for the correct operation of TIBCO ActiveSpaces® Transactions

### TIBCO ActiveSpaces® Transactions Components

TIBCO ActiveSpaces® Transactions provides the following components.

- **TIBCO ActiveSpaces® Transactions Runtime** The server for TIBCO ActiveSpaces® Transactions .
- **Documentation** TIBCO ActiveSpaces® Transactions documentation. The product documentation. If you do not install documentation, this documentation folder is not included in the installation.

### Installation Overview

This section presents an overview of the installation process.

## Installation History Log Files

Installation and un-installation history is kept in log files in the `.TIBCO` directory within the installer's user (or home) directory.

```
/import/home/<username>/.TIBCO
```

For example:

```
/import/home/joe/.TIBCO/maintenance_2012-05-24.122307
```

The folder names use this format:

- For installations - *install\_year-month-day.time*
- For un-installation - *maintenance\_year-month-day.time*

The uninstall files are written to a maintenance directory.

The installation log files record environment details such as the user that invoked the installer, hostname, operating system details, and so on.

## TIBCO Home and Default Installation Directory

The installer prompts you to specify the TIBCO home (TIBCO\_HOME) where you want to install TIBCO ActiveSpaces® Transactions. Each TIBCO home is a separate environment. You can install the same software into different environments safely, for example, for test, QA, and staging purposes. You can install multiple TIBCO products into the same environment or into different ones.

A TIBCO home has a name and a directory on disk. The directory is the root directory for all TIBCO products you want to install into this TIBCO home.



When installing multiple TIBCO products into a single TIBCO Home, ensure that all the products are compatible.

The default TIBCO ActiveSpaces® Transactions installation directory depends on who performs the installation:

- For root users, the default installation directory is `/opt/tibco`.
- For non-root users, the default installation directory is `/<myhome>/tibco`, where *<myhome>* is the home directory of the user.

# 2

## Installation

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This chapter describes how to install this release using TIBCO Universal Installer.

### Installation Guidelines

The sections below provide guidelines for installing on UNIX platforms.

**Installer Account** The software can be installed by a regular (non-root) user and super-user (root). Different users can install the same product at different locations.

**Permissions** The user performing the installation must have Read Write Execute permissions on all files and directories, after the file is unpacked. The file structure after unpacking must be identical to the structure that was packed

**Windowing Environment** A windowing environment such as CDE (that is, X11 Windows) is required to run the installer in GUI mode. It is not required for a console installation or silent installation.

### Installing TIBCO ActiveSpaces® Transactions

When you install TIBCO ActiveSpaces® Transactions , you are prompted to select the components that are available on the platform on which you are installing.

#### Install in GUI Mode

The following procedure explains how to install the software in GUI mode.

1. Prepare to install as follows:
  - a. Log in to the system on which you want to install TIBCO ActiveSpaces® Transactions .

- b. Extract the TIBCO ActiveSpaces® Transactions product archive file to an empty temporary directory then navigate to that directory.
- c. Ensure that /usr/ucb is in your PATH on Solaris.

The list of extracted files is similar to the following:

### Example 2.1. Installer Files

```
product_ast_2.2.0_FeatureConfig_data_linux26g123_x86_64.xml
TIB_ast_2.2.0_readme.txt
TIB_ast_2.2.0_relnotes.pdf
TIBCOUniversalInstaller-lnx-x86-64.bin*
TIBCOUniversalInstaller.silent
assemblies/product_tibco_ast_runtime_2.2.0.008_linux26g123_x86_64.zip
assemblies/product_tibco_tibcojava64_1.6.0.030_linux26g123_x86_64.zip
assemblies/product_tibco_ast_documentation_2.2.0.009.zip
```

2. Run the TIBCO Universal Installer executable:
  - TIBCOUniversalInstaller-x86-64.bin - Linux
  - TIBCOUniversalInstaller-sol-sparc.bin - Solaris
3. Review the information in the Welcome dialog.
4. Click Next.
5. The License Agreement dialog displays. Review the terms of the license agreement and, if you agree to them, click I accept the terms of the license agreement. Then click Next to continue with the installation.

If you do not agree to the terms of the license agreement, click Cancel to exit from the installation process.

6. Select or create a TIBCO home. For more details and guidelines see the section called “TIBCO Home and Default Installation Directory” on page 2. Do one of the following:
  - Select Use an Existing TIBCO\_HOME and select a home from the list.
  - Create a new TIBCO home. Browse to and select a directory, and provide a name for the home.



The name cannot contain special characters such as "\*", "?", ">", "<", ":", "|", "/", "\\", or quotes (").

7. You can customize the installation as follows. (If you don't want to customize the installation just click Next without checking the Customize Installation check box and go to step 8.)
  - Check the Customize Installation check box.
  - Optionally select only the components you want to install. See the section called “TIBCO ActiveSpaces® Transactions Components” on page 1 for guidelines.
8. Click Next.

9. The installer configures your installation choices, then the Pre-Install Summary dialog displays. Review the information in the dialog and make sure that it is correct.

If you want to change any of your choices, click Back to step back through the dialogs to the appropriate point. You can then restart the installation process from that point.

If you are satisfied with your choices, click Install.

The installer now performs the necessary installation tasks.

10. When installation has completed, the Post Install Summary dialog displays. Click Finish to exit from the installer. There is a slight delay while the installer deletes temporary files.

## Install in Console Mode

The following procedure explains how to install the software in console mode.

1. Open the physical media or download the TIBCO ActiveSpaces® Transactions product package.
2. Extract the TIBCO ActiveSpaces® Transactions product archive file to an empty temporary directory.
3. Ensure that `/usr/ucb` is in your PATH on Solaris.
4. Using a console window, navigate to the temporary directory that contains the universal installer and run the installer using of the following command lines:
  - `TIBCOUniversalInstaller-x86-64.bin -console -Linux`
  - `TIBCOUniversalInstaller-sol-sparc.bin -console -Solaris`
5. Complete the installation by responding to the console window prompts, which are similar to those described in the GUI mode instructions.

## Install in Silent Mode

The following procedure explains how to install the software in silent mode. Any errors that occur during installation are listed in the installation log file (see the `User_Home/.TIBCO` directory).

**Configure the Installation Responses** A configuration file, `TIBCOUniversalInstaller.silent`, is provided with the universal installer. Copy the file to another name (but keep the `.silent` extension) and use it to configure your installation choices.

You must edit the file in a text editor and provide all non-default values as needed before launching the silent installation. For example, ensure that the `installationRoot` and `createNewEnvironment` attributes are set correctly. The file includes comments to help you set the installation properties.

Save the configuration file to the same directory where the universal installer file is located. It is recommended that you back up the original file or save your edited file to a different name. This file is known as the response file.

### Install in Silent Mode

1. Extract the TIBCO ActiveSpaces® Transactions product archive file to an empty temporary directory.
2. Ensure that `/usr/ucb` is in your PATH on Solaris.
3. Using a console window, navigate to the temporary directory that contains the universal installer.
4. Copy and edit the `.silent` file as described in the section called “Configure the Installation Responses” on page 5.
5. To run the installer execute the following command, replacing *myfile* with your response file name:

```
TIBCOUniversalInstaller -silent -V responseFile="myfile.silent"
```

If you are using the `TIBCOUniversalInstaller.silent` file, you need not supply the file name and can run `TIBCOUniversalInstaller -silent`.

A line similar to the following is written to the installer log file when installation completes:

```
The installation has completed. Please check the log file for additional information.
```

## Verifying the Installation

After installation of TIBCO ActiveSpaces® Transactions verify the installation as follows.

To verify if the installation is successful, first check the file `tibco_universal_installer.userid_install.log`. For information on the location of this file, see the section called “Installation History Log Files” on page 2.

Errors in this file, or the existence of error files under this folder, indicates installation problems. Error files have the following format: `antTask_ERROR_log_post-install_yyyy-mm-dd.n.log`

## Next Steps

Now that you have completed the software installation, please see Chapter 3.

## Uninstalling TIBCO ActiveSpaces® Transactions

To uninstall TIBCO ActiveSpaces® Transactions do the following.

1. Do the following to start the uninstaller:
  - Navigate to the `TIBCO_HOME/tools/universal_installer` directory and run the `TIBCOUniversalInstaller` program.



The actual name of the program is platform-dependent. For example, `TIBCOUniversalInstaller-lnx-x86-64.bin`.

- If no argument specified then the uninstaller will run in GUI mode. Use the `-console` to run the uninstaller in console mode.
2. The Welcome screen appears. Click Next.
  3. Do one of the following:
    - To uninstall only a selection of products in this TIBCO home, click Custom Uninstall. Select the product or products you want to uninstall. Then click Next.
    - To uninstall all TIBCO products in this TIBCO home (that were installed using the universal installer), click Typical Uninstall. Then click Next.
  4. The Pre-Uninstall Summary screen appears. Click Uninstall. Uninstallation proceeds and then you see the Post-Uninstall Summary.
  5. Click Finish to close the uninstaller window.

You may also want to manually delete any remaining files in the installation directory to completely remove the product.

For information on the uninstallation log files, see the section called “Installation History Log Files” on page 2.





# 3

## Post Installation

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This chapter describes the steps required after performing the installation.

### Release Contents

This section provides a high level summary of directories in the release that contain files that are useful to access directly. The path to these directories is relative to `TIBCO_HOME/ast/<version>`.

- `doc` - release notes, user guides, code snippets, and javadoc reference material.
- `distrib/kabira/ast/java` - deployment and upgrade tools.
- `distrib/kabira/bin` - administrative and monitoring command line tools.
- `distrib/tibco/components` - Maven plugins and Java components.

All other directories in the release are used internally to provide TIBCO ActiveSpaces® Transactions features.

### Post Installation Tasks

The installed TIBCO ActiveSpaces® Transactions software contains everything needed to install stand-alone TIBCO ActiveSpaces® Transactions nodes.

To use the TIBCO ActiveSpaces® Transactions installation requires the following post installation steps:

1. Set the `SW_HOME` environment variable to `TIBCO_HOME/ast/<version>`.
2. Update the `PATH` environment variable to include the path to `administrator`.

For example:

```
#
#   Create a working directory in which to expand the product archive
#
mkdir -p /opt/install

#
#   Expand the product archive in the working directory
#
cd /opt/install
unzip <location of product archive>/TIB_*.zip

#
#   Run the installer
#
#   NOTE: -console argument runs the installer in console mode;
#   if no argument specified the GUI installer is run
#
./TIBCOUniversalInstaller-lnx-x86-64.bin -console

#
#   Export the required SW_HOME environmental variable for the command line tools
#   This needs to be done for every user that will be using the distribution.
#
#   NOTE: /opt/tibco-home is the TIBCO_HOME specified during the installation
#
#
export SW_HOME=/opt/tibco-home/ast/<version>

#
#   Update PATH to point to the location of the administrator command line tool.
#   This needs to be done for every user that will be using administrator.
#
export PATH=$SW_HOME/distrib/kabira/bin:$PATH
```

The TIBCO ActiveSpaces® Transactions installation is now ready to use. These steps need to be repeated on every machine that will host TIBCO ActiveSpaces® Transactions nodes.

## Next Steps

Please see the **TIBCO ActiveSpaces® Transactions Administration Guide** for more details on starting and configuring nodes. The **Required network ports** section in the **Administration Guide** should also be reviewed to ensure that the required network ports are allowed through host firewalls.

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