

TIBCO Silver[®] Fabric Enabler for Adapter for Files (Unix/Win) Installation

*Software Release 3.0
June 2016*

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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>

TIBCO Silver Fabric Documentation

TIBCO Silver[®] Fabric provides the foundation on which your enterprise platforms, applications, and services may be dynamically provisioned for your private cloud using TIBCO Silver Fabric Enablers. Administrators, developers, and other professional users should have working knowledge of TIBCO Silver Fabric, TIBCO Silver Fabric Enablers and the products associated with the platforms, distributions, applications, and services being provisioned into the Cloud. Refer to the TIBCO Documentation Library to get relevant and useful information for these products.

- *TIBCO Silver Fabric ReadMe* - Contains information on supported platforms, operating system, minimum disk space, memory, third-party software, and network infrastructure requirements.
- *TIBCO Silver Fabric Release Notes* - Contains information on new features, changes, deprecation notices, migration and compatibility issues, closed issues, and known issues.
- *Introducing TIBCO Silver Fabric* - Contains an introduction to TIBCO Silver Fabric, including definitions of key concepts and terms, such as Enablers, Stacks, Components, Engines, and Brokers. Read this first if you are new to Silver Fabric.
- *TIBCO Silver Fabric Installation Guide* - Covers installation of TIBCO Silver Fabric for Windows and Unix, including Brokers, Engines, and pre-installation planning.
- *TIBCO Silver Fabric Cloud Administration Guide* - Covers TIBCO Silver Fabric Cloud administration, configuration of Engines, Enablers, and Components, and configuration and use of Skyway. Also covers security, general maintenance, performance tuning, and database administration.
- *TIBCO Silver Fabric User's Guide* - Covers TIBCO Silver Fabric use and operation, including management of Engines, Enablers, Components, and Stacks.
- *TIBCO Silver[®] Fabric Enabler for Adapter for Files (Unix/Win) Installation* This document contains instructions on pre-requisites, installation, and post-installation product suite preparation.
- *TIBCO Silver[®] Fabric Enabler for Adapter for Files (Unix/Win) User's Guide* This document contains instructions on configuring and using the product.
- *TIBCO Silver[®] Fabric Enabler for Adapter for Files (Unix/Win) Release Notes* This document contains a list of new features, known issues, and closed issues for this release.

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

The installer allows you to run in GUI, console, or silent modes. Each mode is supported on all platforms.

GUI Mode

The installer presents panels, allowing you to select the product, the location of the product, and so on. Double-click `TIBCOUniversalInstaller.exe` to invoke the installer to use GUI mode.

Console Mode

You can run the installer from the command prompt or the terminal window. This option is useful, if your machine does not have a Microsoft Windows environment.

Silent Mode

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

Universal Installer Types

Two installation types are available with TIBCO universal installer.

The installation types are as follows:

Typical

installs all the software for a specific profile.

Custom

allows you to select components.

Select the **Customize Installation** check box to opt for Design and Runtime installation profiles.

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.

Linux/ Unix

Any user can install this product:

- Regular (non-root) user
- Super user (root)

When installing this product on Linux platforms, ensure that the same installer account is used to install all TIBCO Silver Fabric products.

A graphic environment such as CDE or X Windows is required to run the installer in GUI mode.

Installation Requirements

Installation of this TIBCO Silver Fabric Enabler requires appropriate permissions on the TIBCO Silver Fabric Broker. Before you run the installer on your Microsoft Windows or UNIX system, you must log in as a user with appropriate permissions, and your system must meet the hardware and software requirements.

Installation Account

To install on Microsoft Windows or on UNIX, ensure that you have the appropriate privileges. Privileges differ for different platforms.

Platform	Account Privileges
Microsoft Windows	<p>Only users with administrator privileges can install this product. If you do not have administrator privileges, the installer will automatically exit.</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 installation. Use the same installer account to install all TIBCO products.</p> <p>A graphic environment such as CDE or X Windows is required to run the installer in GUI mode.</p>

Installer Log Files

The installer log file `tibco_universal_installer.timestamp.username_install.log` is written to the `.TIBCO/install_timestamp` folder of the user's home directory.

The installation log file is named `tibco_universal_installer.username_install.log`.

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 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.

Hardware and Software Requirements

Specific platform, software, and enough system memory and disk space are required by the installation. Review these requirements before you start the installation.

Disk Space Requirement

Before installing this product, extract the contents of the installation archive to a temporary directory. The installer files consume up to 1.5 GB of 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*).

Temporary Disk Space Required by the Installer

The installer requires at least 2 GB 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 proceeds 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 might fail and then give a failure message.

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

Disk Space After Installation

This product can consume 2 GB of free space under SFL_Enabler_HOME.

System Memory Requirements

A minimum of 2 GB of physical memory is required.


Supported Platforms

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.

Required and Optional Software

Your system must meet the appropriate software requirements before you run the installer. See the readme file for supported products and versions.

Required and Optional Software

Software	Description The software products below are distributed and installed separately from this product. See the readme file for the supported versions.
TIBCO Silver [®] Fabric	Required. To use any TIBCO Silver Fabric Enabler, you must install TIBCO Silver Fabric and its latest patch.
TIBCO Adapter for Files(Unix/Win) Distribution for TIBCO [®] Silver Fabric	Required. TIBCO Silver Fabric Enabler for Adapter for Files requires the TIBCO Adapter for Files(Unix/Win) Distribution for TIBCO Silver Fabric, which provides the runtime artifact of TIBCO ActiveMatrix Adapter for Files to be published and executed in TIBCO Silver Fabric.
TIBCO Silver [®] Fabric Enabler for TIBCO Administrator - Enterprise Edition	Required. The TIBCO Silver Fabric Enabler for Adapter for Files component must startup depending on a TIBCO Silver Fabric Enabler for TIBCO Administrator - Enterprise Edition component.
TIBCO Enterprise Message Service [™] (EMS)	<p>Optional. Messaging between components can use TIBCO Enterprise Message Service(EMS). TIBCO EMS products can be installed separately or they can be installed using the Silver Fabric Enabler for TIBCO EMS.</p> <p>The configurations of these products are defined in the related product documentation.</p> <p>For information about the connection of TIBCO Domain to a database, refer to "Creating a Domain that Uses a Database" in <i>TIBCO Runtime Agent Domain Utility User's Guide</i>.</p>
Microsoft Visual C++ 2005 Redistributable Package	<p>Optional. This is a Third-party Software.</p> <p>It is required only if you want to create a TIBCO Silver Fabric Enabler for Adapter for Files component. To use TIBCO Rendezvous on the Enabler domain, Microsoft Visual C++ 2005 Redistributable Package must be installed on your Windows operating system.</p> <div data-bbox="635 1549 675 1602">  </div> <div data-bbox="746 1381 1473 1780"> <p>If Microsoft Visual C++ 2005 Redistributable Package is not included in the Windows version listed in the readme file for the supported platforms, versions, and required patches, it should be installed separately.</p> <ul style="list-style-type: none"> • Microsoft Visual C++ 2005 Redistributable Package (x86) can be downloaded from the following website: http://www.microsoft.com/en-us/download/details.aspx?id=3387 • Microsoft Visual C++ 2005 Redistributable Package(x64) can be downloaded from the following website: http://www.microsoft.com/en-us/download/details.aspx?id=21254 </div>

Grid Libraries

The Grid Libraries can be divided into two groups: Enablers and Distributions.

The TIBCO® Silver Fabric Enabler for Adapter for Files SFFL installation consists of copying artifacts named Grid Libraries to the following TIBCO Silver Fabric broker directory:

SILVERFABRIC_HOME/webapps/livecluster/deploy/resources/gridlib/ For example, on a Linux platform, the directory is:

/opt/tibco/fabric/webapps/livecluster/deploy/resources/gridlib/

The Grid Libraries can be divided into two groups:

- Enablers
- Distributions

Enablers

Enablers are made for use with TIBCO Silver Fabric and the enablers for this product are made to configure and control how TIBCO ActiveMatrix® Adapter for Files is published to a Silver Fabric engine. Enablers are configured using the TIBCO Silver Fabric Administration Tool interface to specify settings, installation, configuration, and publishing logic for TIBCO® Silver Fabric Enabler for Adapter for Files .



Enablers are supported wherever TIBCO Silver Fabric is installed. Enablers are not operating system dependent. The Silver Fabric broker detects the addition of any Grid Library container put in the proper directory.

The following Enabler files are installed into the SFFL_HOME/3.0/gridlib directory, they must be copied to the TIBCO Silver Fabric gridlib directory.:

- SilverFabric_tibcoadfiles_container_3.0.0_gridlib.zip
- SilverFabric_tibcoadfiles_componentType_3.0.0.zip

Distributions

Distributions are compressed native products that are obtained from a different part of the TIBCO download site than the Enablers for TIBCO Silver Fabric Enabler. Distributions must be downloaded from the parent product area of the download site.

Distribution grid libraries are put into the same Silver Fabric directory as the Enablers. Distributions are published to the Silver Fabric engines according to the configurations set using the enablers.



Distributions are dependent on platforms. Different platforms have different distributions.

For each platform, the TIBCO Adapter for Files Distribution for TIBCO Silver Fabric includes the following distributions:

- TIBCO Adapter for Files Distribution
- TIBCO Rendezvous® distribution
- TIBCO Hawk® distribution
- TIBCO Runtime Agent™ distribution

Software Distributions for Linux (x86) platform

Distribution	Distribution File
TIBCO Adapter for Files Distribution	TIB_SilverFabric_adfiles_7.0.0_linux_x86_distribution_gridlib.zip
TIBCO Rendezvous distribution	TIB_SilverFabric_rv_8.4.4_0_linux_x86_distribution_gridlib.zip
TIBCO Hawk distribution	TIB_SilverFabric_hawk_5.2.0_0_linux26gl23_x86_distribution_gridlib.zip
TIBCO Runtime Agent distribution	TIB_SilverFabric_tra_5.10.0_1_linux_x86_distribution_gridlib.zip



If you want to run the same TIBCO Silver® Fabric Cloud with all supported platforms, you must copy all the distributions to the TIBCO Silver® Fabric Cloud.

Installation Steps

To run TIBCO Silver Fabric Enabler, you need to set up a TIBCO Silver® Fabric cloud environment. For detailed information, refer to TIBCO Silver Fabric documentation.

Installing in GUI Mode

When you are running the installer in GUI mode, the installer prompts you for information regarding installation environment, installation profile, and so on.

Procedure

1. Open the physical media or download the package.
2. Extract the contents of the package to a temporary directory. Navigate to the temporary directory.
3. Run **TIBCOUniversalInstaller** to open TIBCO Universal Installer. 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 GUI mode.

The Welcome page is displayed.
4. Click **Next** on the Welcome page.

The License Agreement page is displayed. Read through the license text and select the **I Accept the Terms of the License Agreement** radio button.
5. Click **Next** on the License Agreement page, the Installation Profile Selection page is displayed. An installation environment isolates product installations.

A product installed into an installation environment does not access components in other installation environments. An installation environment consists of a name and path. You can choose a new environment or an existing environment.

Create a new TIBCO_HOME. To install the product into a new installation environment, specify the following properties.

 - Directory the directory into which the product is installed. Type a path or click Browse to specify the path or accept the default location
 - Name: identifies the installation environment. The name cannot contain special characters such as "*", "?", ">", "<", ":", "|", "/", "\", spaces or quotation marks("")

The name is appended to the name of Windows services created by the installer and is a component of the path to the product in the Windows Start > All Programs menu.

Use an existing TIBCO_HOME. To install the product into an existing installation environment, select the environment from the drop-down list.
6. Click **Next** on the TIBCO Installation Home page and then click **Next** on the next page to accept the installation profile.
7. Verify the list of products selected for installation in the Pre-Install summary window. Click **Install**.
8. Verify your selection of the Environment Location and click **Install** to start the installation process.
9. Click **Finish** to complete the installation process and exit the universal installer.
10. Proceed to the Post-Installation page and move the Grid Libraries to the specified directory to complete the installation.

What to do next

Installation is not complete until the Grid Libraries are copied to the directory: `SILVERFABRIC_HOME/webapps/livecluster/deploy/resources/gridlib`.

Distributions must also be downloaded separately and placed according to the instructions in the section [Post-Installation](#). Refer to the section on [Post-Installation](#) for more information.

Installing in Console Mode

If you are not working in a Microsoft Windows environment, you can install the software in the console mode.

Procedure

1. Open the physical media or download the package.
2. Extract the contents of the package to a temporary directory.
3. Using a console window, navigate to the temporary directory.
4. Run the following:
 - **Windows** `TIBCOUniversalInstaller.cmd -console`
 - **Linux** `TIBCOUniversalInstaller-lnx-x86.bin -console`
 - **Solaris Sparc** `TIBCOUniversalInstaller-sol-sparc.bin -console`
 - **Solaris X86 64bit** `TIBCOUniversalInstaller-sol-x86.bin -console`
5. Respond to the messages in the second console window.
The installer prompts for installation information and you can return to a previous selection periodically. The process is similar to [Installing in GUI Mode](#).
6. Complete the installation by responding to the console window prompts.

Installing in Silent Mode

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

In silent mode, the universal installer does not prompt for any inputs during installation. Instead, the inputs are read from a response file that can be provided as a command-line parameter. If no value is specified, the installer uses the default `TIBCOUniversalInstaller_sfll_3.0.0.silent` file.

The `TIBCOUniversalInstaller_sfll_3.0.0.silent` file is packaged in the directory that contains the universal installer. Edit the file with information for your environment before launching the silent installation. The file includes comments that describe the installation properties you can set. While you can use the `TIBCOUniversalInstaller_sfll_3.0.0.silent` file, it is a good practice to copy the file to a different name and use that file for the silent install.

Procedure

1. Open the physical media or download the package.
2. Extract the contents of the package to a temporary directory.
3. Using a console window, navigate to the temporary directory.
4. Make a copy of the `TIBCOUniversalInstaller_sfll_3.0.0.silent` file and rename the file.
5. Using a text editor, open the copied file and update the install location and features to install.

6. Run one of the following for your operating system:

- **Windows:** `TIBCOUniversalInstaller.cmd -silent -V responseFile="myfilename.silent"`
- **Linux:** `TIBCOUniversalInstaller-lnx-x86.bin -silent -V responseFile="myfilename.silent"`
- **Solaris Sparc** `TIBCOUniversalInstaller-sol-sparc.bin -silent -V responseFile="myfilename.silent"`
- **Solaris X86 64bit** `TIBCOUniversalInstaller-sol-x86.bin -silent -V responseFile="myfilename.silent"`

Post-Installation Tasks

You must copy Grid Libraries to the `SILVERFABRIC_HOME\webapps\livecluster\deploy\resources\gridlib` directory to avoid a server restart of the Broker.

The grid libraries must be copied in the following order:

1. Distribution .zip files.
2. `SilverFabric_tibcoadfiles_componentType_3.0.0.zip`.
3. `SilverFabric_tibcoadfiles_container_3.0.0_gridlib.zip`.

These file names and version numbers are provided as a guide. The file names and the versions of your files might vary depending on the currently available release. Post-installation tasks divide into two sub-tasks.

Copying Distribution Files

The distribution archives may be obtained from either the installation media or from the TIBCO official download site.

TIBCO official download site is <https://download.tibco.com>.

There are specific sets of distribution files for each operating system platform that will be used as a deployment target. The distribution files ensure the proper TIBCO product installer is used during deployment. Choose the sets of zipped archives for your intended deployment target platforms. The rollup zip archive must be downloaded and extracted.

Procedure

1. Download the required platform specific rollup archive.
2. Unzip (extract) the downloaded archive into a temporary directory.
All the distribution archives required for that platform are extracted to that temporary directory.
3. Paste the extracted content, distribution grid library archives in `SILVERFABRIC_HOME/webapps/livecluster/deploy/resources/gridlib/`.



Do not paste the platform archive file, and the rollup file directly to the directory:
`SILVERFABRIC_HOME/webapps/livecluster/deploy/resources/gridlib/`

After implementation of TIBCO Runtime Agent 5.9.0, there are no TIBCO Runtime Agent common roll-up files. You need to copy the distribution gridlib files directly from TIBCO official download site, for the specific product. Then copy the distribution grid library archives to the Silver Fabric gridlib directory.

4. Download the TIBCO Adapter for Files distribution from the TIBCO official download site.
5. Copy it directly to `SILVERFABRIC_HOME/webapps/livecluster/deploy/resources/gridlib/` without extracting it.

Alternatively, the distribution files may be dropped into any directory accessible to Silver Fabric as long as it is specified for the Silver Fabric Administrator. Refer to the Silver Fabric documentation for more information on how you may set another location for the distribution files.

Copying the Container Compressed Files

The second set of files to be copied are the container zip archives that are stored in the enabler home directory: `TIBCO_HOME/<enabler>/<version>/gridlib`.

Procedure

1. Copy the contents of `TIBCO_HOME/<enabler>/<version>/gridlib`.
2. Paste the container ZIP files to `SILVERFABRIC_HOME/webapps/livecluster/deploy/resources/gridlib/`.

For Silver Fabric running on a Unix or Linux - based platform, copy the the container grid libraries to the analogous directory: `/opt/tibco/fabric/webapps/livecluster/deploy/resources/gridlib/`. Alternatively, the distribution files can be dropped into any directory accessible to Silver Fabric, as long as it is specified for the Silver Fabric Administrator. Refer to the Silver Fabric documentation for more information on how to set another location for the distribution files.

Uninstalling using the TIBCO Universal Installer

You can uninstall this product by running TIBCO universal installer, which allows you to uninstall all products in *TIBCO_HOME* or select the products to uninstall.

Procedure

- To uninstall this product, do the following two tasks:
 - a) [Removing Grid Libraries](#).
 - b) [Uninstall TIBCO Silver Fabric Enabler](#).

Removing Grid Libraries

Make sure you remove grid libraries after uninstallation.

Procedure

1. Shut down all stacks running the enabler.
2. Remove all pertinent SilverFabric_*.zip files (Adapter for Files container and componentType) from the following directory: SILVERFABRIC_HOME/webapps/livecluster/deploy/resources/gridlib.

Uninstalling the Enabler

You can uninstall this product by running TIBCOUniversalInstaller.

Procedure

1. Navigate to the TIBCO_HOME/tools/universal_installer/ directory and run TIBCOUniversalInstaller to open TIBCO Universal Installer.
2. In the TIBCO Installation Manager page, do the following steps:
 - a) Select the **Uninstall Products from Selected TIBCO Home Location** radio button.
 - b) Select the **TIBCO Home location** from the drop-down list.
3. Click the **Next** button.
The Welcome page appears.
4. Click the **Next** button. Choose an uninstallation option on the Uninstallation Type page. The following two uninstallation options are provided:
 - **Custom Uninstall** You can select the products to be removed.
 - **Typical Uninstall** The universal uninstaller removes all the products in this *TIBCO_HOME*.
5. Click the **Next** button. If you selected the **Custom Uninstall**, select the checkboxes for products to uninstall, and then click the **Next** button.
6. Review the Pre-Uninstall Summary and click the **Uninstall** button to start the uninstallation process.
When uninstalling the products, a dialog appears asking if you want to clean up the /tools directory for this environment.
7. Click the **Yes, Clean It up** button.
8. Review the Post-Uninstall Summary and click the **Finish** button to exit the uninstall wizard.