

TIBCO Silver[®] Fabric Enabler for ActiveMatrix[®] Service Grid

Installation

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Preface

Topics

- [Related Documentation, page vi](#)
- [Typographical Conventions, page vii](#)
- [TIBCO Product Documentation and Support Services, page ix](#)

Related Documentation

This section lists documentation resources you may find useful.

TIBCO Silver[®] Fabric Enabler for ActiveMatrix[®] Service Grid Documentation

The following documents form the TIBCO Silver[®] Fabric Enabler for ActiveMatrix[®] Service Grid documentation set:

- *TIBCO Silver Fabric ActiveMatrix Service Grid Enabler Installation* Read this manual for instructions on site preparation and installation.
- *TIBCO Silver Fabric ActiveMatrix Service Grid Enabler User's Guide* Read this manual for instructions on using the product.
- *TIBCO Silver Fabric ActiveMatrix Service Grid Enabler Release Notes* Read the release notes for a list of new and changed features. This document also contains lists of known issues and closed issues for this release.

Other TIBCO Product Documentation

TIBCO Silver Fabric Service Grid Enabler empowers TIBCO Silver Fabric private cloud infrastructure to run TIBCO ActiveMatrix Service Grid.

You may find it useful to read documentation related to the following TIBCO products:

- TIBCO Silver[®] Fabric
- TIBCO ActiveMatrix[®] Service Grid
- TIBCO ActiveMatrix BusinessWorks[™] Service Engine
- TIBCO ActiveMatrix[®] Binding Type for Adapters
- TIBCO ActiveMatrix[®] Binding Type for EJB
- TIBCO ActiveMatrix[®] Implementation Type for Microsoft CLR
- TIBCO Enterprise Message Service[™]
- TIBCO Rendezvous[®]




Typographical Conventions

The following typographical conventions are used in this manual.

Table 1 General Typographical Conventions

Convention	Use
<i>TIBCO_HOME</i>	Many TIBCO products must be installed within the same home directory. This directory is referenced in documentation as <i>TIBCO_HOME</i> . The default value of <i>TIBCO_HOME</i> depends on the operating system. For example, on Windows systems, the default value is C:\tibco.
<i>ENV_HOME</i>	
<i>SFSG_HOME</i>	
<i>SILVERFABRIC_HOME</i>	
<i>tibcoHome</i>	Other TIBCO products are installed into an <i>installation environment</i> . Incompatible products and multiple instances of the same product are installed into different installation environments. An environment home directory is referenced in documentation as <i>ENV_HOME</i> . The default value of <i>ENV_HOME</i> depends on the operating system. For example, on Windows systems, the default <i>ENV_HOME</i> value for TIBCO Silver Fabric is C:\fabric.
	TIBCO Silver® Fabric Enabler for ActiveMatrix Service Grid is installed into a directory that is referenced in documentation as <i>SFSG_HOME</i> . The value of <i>SFSG_HOME</i> depends on the operating system. For example, on Windows systems, the default value is C:\tibco\sfs
	TIBCO Silver Fabric is installed into a directory that is referenced in documentation as <i>SILVERFABRIC_HOME</i> . The value of <i>SILVERFABRIC_HOME</i> depends on the operating system. For example, on Windows systems, the default value can be C:\fabric.
	TIBCO Silver Fabric publishes files associated with Components to a specific directory on an Engine instance on either a physical or a virtual machine managed by a Silver Fabric Broker. This Engine directory is referred to as <i>tibcoHome</i> .
code font	Code font identifies commands, code examples, filenames, pathnames, and output displayed in a command window. For example: Use MyCommand to start the foo process.

Table 1 General Typographical Conventions (Cont'd)

Convention	Use
bold code font	<p>Bold code font is used in the following ways:</p> <ul style="list-style-type: none">• In procedures, to indicate what a user types. For example: Type admin.• In large code samples, to indicate the parts of the sample that are of particular interest.• In command syntax, to indicate the default parameter for a command. For example, if no parameter is specified, MyCommand is enabled: MyCommand [enable disable]
<i>italic font</i>	<p>Italic font is used in the following ways:</p> <ul style="list-style-type: none">• To indicate a document title. For example: See <i>TIBCO ActiveMatrix Service Grid Concepts</i>.• To introduce new terms. For example: A portal page may contain several portlets. <i>Portlets</i> are mini-Stacks that run in a portal.• To indicate a variable in a command or code syntax that you must replace. For example: MyCommand <i>PathName</i>
Key combinations	<p>Key names separated by a plus sign indicate keys pressed simultaneously. For example: Ctrl+C.</p> <p>Key names separated by a comma and space indicate keys pressed one after the other. For example: Esc, Ctrl+Q.</p>
	<p>The note icon indicates information that is of special interest or importance, for example, an additional action required only in certain circumstances.</p>
	<p>The tip icon indicates an idea that could be useful, for example, a way to apply the information provided in the current section to achieve a specific result.</p>
	<p>The warning icon indicates the potential for a damaging situation, for example, data loss or corruption if certain steps are taken or not taken.</p>

TIBCO Product Documentation and Support Services

For information about this product, you can read the documentation, contact TIBCO Support, or join TIBCO Community.

How to Access All TIBCO Documentation

Documentation for TIBCO products is available on the TIBCO Product Documentation website mainly in the HTML and PDF formats.

The TIBCO Product Documentation website is updated frequently and is more current than any other documentation included with the product. To access the latest documentation, visit <https://docs.tibco.com>.

Documentation for TIBCO Silver® Fabric Enabler for ActiveMatrix® Service Grid is available on the

<https://docs.tibco.com/products/tibco-silver-fabric-enabler-for-active-matrix-service-grid> Product Documentation page.

How to Contact TIBCO Support

You can contact TIBCO Support in the following ways:

- For an overview of TIBCO Support, visit <https://www.tibco.com/services/support>.
- For comments or problems with this manual or the software it addresses, visit the TIBCO Support portal at <https://support.tibco.com>.

To access this website, you must have a valid maintenance or support contract with TIBCO. You also need a user name and password to log in. If you do not have a user name, you can request one by clicking **Register** on the website.

How to Join TIBCO Community

TIBCO Community is the official channel for TIBCO customers, partners, and employee subject matter experts to share and access their collective experience. TIBCO Community offers access to Q&A forums, product wikis, and best practices. It also offers access to extensions, adapters, solution accelerators, and tools that extend and enable customers to gain full value from TIBCO products. In addition, users can submit and vote on feature requests from within the [TIBCO Ideas Portal](https://community.tibco.com). For a free registration, go to <https://community.tibco.com>.

Chapter 1 **Introduction**

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

Topics

- [Installation Overview, page 2](#)
- [Installation Requirements, page 4](#)

Installation Overview

This section gives an overview of the installation.

Installation Modes

Three installation modes are available: GUI Mode, console mode, and silent mode.

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. Silent mode installation is useful for automated installation.

Installation Types

Two installation types are available: Typical or Custom.

- The Typical 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 to be 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 administrator privileges.

Windows system administrators can assign administrator privileges to your account if you don't have a user profile that allows for installation.

If you intend to install the product on a network drive, ensure that the account used for installation has permission to access and administrator privileges the network drive.

Linux

Any user can install this product.

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

When installing this product on Linux platforms, make sure 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.

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, the computer 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

Installation Requirements

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

Disk Space Requirements

Before installing TIBCO Silver Fabric Enabler for ActiveMatrix Service Grid, you will have to extract the contents of the installation archive to a temporary directory. The installer files can consume up to 120 MB of disk space.

Temporary Disk Space Required by the Installer

During installation the installer requires at least 100 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 give a failure message.

If temp disk space is a concern, avoid running other processes that consume disk space in the product home location while performing the installation.

Disk Space After Installation

This product can consume about 100 MB of free space under `SFSG_HOME`.

System Memory Requirements

A minimum of 2 GB of physical memory is required.

Supported Platforms

Refer to the readme file for the supported platforms and versions and required patches.

Required and Optional Products

Table 2 lists the required and optional software products.

Table 2 Software Requirements

Software	Description
TIBCO Software 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 TIBCO Silver Fabric Enabler for ActiveMatrix Service Grid, you must install TIBCO Silver Fabric.
TIBCO ActiveMatrix [®] Service Grid Distribution for TIBCO Silver [®] Fabric	Required. This distribution is published to the engine instances. You must download and install this product according to instructions in this installation guide.
TIBCO Enterprise Message Service [™]	Required. If you want to instantiate ActiveMatrix Service Grid applications using the TIBCO Silver Fabric Enabler, the TIBCO Enterprise Message Service (EMS) will be needed to transport messages and data. TIBCO EMS and an associated database product must be installed separately. The configurations of TIBCO EMS product are defined in the TIBCO Enterprise Message Service product documentation.
TIBCO Rendezvous	Required for BusinessWorks Service Engine and Adapter for Binding Type. The RV distribution is packaged with TIBCO ActiveMatrix [®] Service Grid Distribution for TIBCO Silver [®] Fabric.

Table 2 Software Requirements

Software	Description
Third-party Software See the readme file for the supported versions.	
Database	Many databases are supported for use with the TIBCO ActiveMatrix Service Grid. Refer to the TIBCO ActiveMatrix Service Grid documentation for more information.
Hibernate	Required. The Distribution zip archive of this third-party software must be downloaded separately for deployment with TIBCO ActiveMatrix Service Grid Distribution for TIBCO Silver Fabric. An external link to download the Hibernate Distribution is present on the TIBCO download site alongside the TIBCO ActiveMatrix Service Grid Distribution for TIBCO Silver Fabric.
.NET Framework 3.5 with SP1 or .NET Framework 4.0	Required for use with Implementation Type for Microsoft CLR.
JBoss 5.1, 6.1, or 7.1; WebLogic 10.3.1, 10.3.5, or 12.1.1; or WebSphere 7.0, 8.0, or 8.5	A compatible web server is required if the Binding Type for EJB is used. The implementation details of the user's DAA may require installation of one or several of the compatible Web/App servers.

Grid Libraries

The TIBCO Silver Fabric Enabler for ActiveMatrix Service Grid installation copies artifacts named `GridLibraries` that exist in 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 ZIP files in `GribLibraries` can be divided into two groups:

- [Distributions](#)
- [Containers](#)

Distributions

Distributions are compressed native products. Some distributions are required to run TIBCO ActiveMatrix Service Grid and others are optional. Different distributions are created for publishing to a specific operating system.

TIBCO Silver Fabric Enabler for ActiveMatrix Service Grid must have an appropriate TIBCO ActiveMatrix[®] Service Grid Distribution for TIBCO Silver[®] Fabric to publish the product on a TIBCO Silver Fabric Engine of the same platform.

Table 3 Required and optional distributions for TIBCO ActiveMatrix[®] Service Grid on various platforms.

Product	Distribution File Names
TIBCO ActiveMatrix Service Grid Distribution for TIBCO Silver [®] Fabric	TIB_SilverFabric_amsg3x_3.3.0_1_win_x86_64_distribution_gridlib.zip TIB_SilverFabric_amsg3x_3.3.0_1_win_x86_distribution_gridlib.zip TIB_SilverFabric_amsg3x_3.3.0_2_linux24gl23_x86_64_distribution_gridlib.zip TIB_SilverFabric_amsg3x_3.3.0_2_linux24gl23_x86_distribution_gridlib.zip TIBCO ActiveMatrix [®] Service Grid Distribution for TIBCO Silver [®] Fabric version 3.3.0.2 is required, to enable the Hawk plug-in.
Hibernate distribution (required)	TIB_SilverFabric_tpcl_org_hibernate_3.2.400.001_distribution_gridlib.zip
TIBCO ActiveMatrix BusinessWorks [™] Service Engine Distribution for TIBCO Silver [®] Fabric (required)	TIB_SilverFabric_bwse_5.11.0_0_distribution_gridlib.zip
TIBCO Rendezvous [®] Distribution for TIBCO Silver [®] Fabric (Required version will depend upon which version of TIBCO ActiveMatrix BusinessWorks Service Engine Distribution and what Binding Type Extensions are used. Refer to the readme for those products for their respective requirements. More versions may be supported.)	TIB_SilverFabric_rv_8.4.2_0_linux26gl23_x86_64_distribution_gridlib.zip TIB_SilverFabric_rv_8.4.2_0_linux26gl23_x86_distribution_gridlib.zip TIB_SilverFabric_rv_8.4.2_0_win_x86_64_vc8_distribution_gridlib.zip TIB_SilverFabric_rv_8.4.2_0_win_x86_vc8_distribution_gridlib.zip SilverFabric_rv_8.4.0_HF002_0_linux26gl23_x86_64_distribution_gridlib.zip SilverFabric_rv_8.4.0_HF002_0_win_x86_64_vc8_distribution_gridlib.zip SilverFabric_rv_8.3.2_linux26gl23_x86_64_distribution_gridlib.zip SilverFabric_rv_8.3.2_linux26gl23_x86_distribution_gridlib.zip SilverFabric_rv_8.3.2_win_x86_64_vc8_distribution_gridlib.zip SilverFabric_rv_8.3.2_win_x86_vc8_distribution_gridlib.zip
TIBCO ActiveMatrix [®] Implementation Type for Microsoft CLR (optional)	SilverFabric_amxmsft_3.2.0_0_distribution_gridlib

Table 3 Required and optional distributions for TIBCO ActiveMatrix® Service Grid on various platforms.

Product	Distribution File Names
TIBCO ActiveMatrix Binding Type for EJB (optional)	SilverFabric_amxext3ejbbt_3.2.0_0_distribution_gridlib
TIBCO ActiveMatrix® Binding Type for Adapters (optional)	TIB_SilverFabric_amxext3adbt_3.2.0_1_distribution_gridlib.zip
TIBCO Silver® Fabric Enabler for TIBCO Hawk®	TIB_SilverFabric_hawkforEnabler_5.1.1_2_linux26gl23_x86_64_distribution_gridlib.zip



You must obtain and install all of the Distributions for the operating system platforms you wish to use. Refer to the *TIBCO ActiveMatrix® Service Grid Distribution for TIBCO Silver® Fabric Readme* for specific information on what operating systems are supported by these files.

Containers

Containers are control modules for TIBCO ActiveMatrix Service Grid. They provide all the installation, configuration, and deployment logic of TIBCO ActiveMatrix Service Grid with TIBCO Silver Fabric.



Containers are independent of platforms. Different platforms can have the same containers.

After you install TIBCO Silver Fabric Enabler for ActiveMatrix Service Grid, the files you will need to use are located at *TIBCO_HOME/sfsg/1.3/gridlib*. Where *TIBCO_HOME* is the directory you entered as the installer target.

Container gridlib files are extracted and installed in the directory:

```
TIBCO_HOME/sfsg/1.3.1/gridlib
```

After running the installation all the zip archives that were extracted will need to be copied are placed into the following directory:

```
SILVERFABRIC_HOME/webapps/livecluster/deploy/resources/gridlib/
```

This last installation step is described in the section on [Post-Installation on page 14](#)

Chapter 2 **Installation Steps**

This chapter explains how to install and uninstall TIBCO Silver Fabric Enabler for ActiveMatrix Service Grid.



To run TIBCO Silver Fabric Enabler for ActiveMatrix Service Grid, you need to set up TIBCO Silver Fabric cloud environment. For detailed information, refer to *TIBCO Silver Fabric* documentation.

Topics

- [Installation, page 10](#)
- [Post-Installation, page 14](#)
- [Uninstallation, page 17](#)

Installation

The following sections describe the installation process in the available installation modes:

- [GUI Mode, page 10](#)
- [Console Mode, page 12](#)
- [Silent Mode, page 12](#)

GUI Mode

To install this product in GUI mode,

Open the physical media or download the package. The installation archive is a platform specific file named: `TIB_sfsg_1.3.1_[OS_NameType].zip`

1. Extract the contents of the package to a temporary directory.
2. Navigate to the temporary directory.
3. Run **TIBCOUniversalInstaller-[OS_NameType]** to open TIBCO Universal Installer. You can do so in one of the following ways:
 - Double-click the installer icon.
 - Using the command prompt, provide the absolute path of the installer file on without specifying any options. The installer defaults to GUI mode.
4. Click the **Next** button on the Welcome page. The License Agreement page appears.

Read through the license text and select the **I Accept the Terms of the License Agreement** radio button. If you do not accept the terms of the license you can not install this product.

5. Click the **Next** button on the License Agreement page, and the TIBCO Installation Home page appears.

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.

The path cannot contain special characters such as "*", "#", "?", ">", "<", "%", "&", "\$", "^", or "|". The path cannot be the same as the path of an existing environment.

- **Name** Identifies the installation environment. The name cannot contain special characters such as "*", "?", ">", "<", ":", "|", "/", "\", 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 the **Next** button on the Installation Home page and the Installation Profile Selection page appears.
TIBCO Universal Installer provides the following installation profile allowing for selective installation:
 - **Containers** - Containers, now known as Enablers, are command and control modules for TIBCO ActiveMatrix Service Grid.
 - **Extensions** - The ActiveMatrix extension adapter and the ActiveMatrix BusinessWorks Service Engine extension will be included in the installation
 - **Samples** - ActiveMatrix Application deployment and other samples. Jython scripting example shows how script can automate application deployment.
7. Click the **Next** button on the Installation Profile page, the Pre-Install Summary page appears. Verify the list of products selected for install in this page.
8. Click the **Install** button to start the installation process. After installation, review the information listed in the Post-Install Summary page. Note where the gridlib.

The installation will have put gridlib.zip files in the directory:
TIBCO_HOME/sfsg/1.3/gridlib
9. Click the **Finish** button to complete the installation process and exit the universal installer.
10. Follow the steps in [Post-Installation on page 14](#).

Console Mode

To install this product in console mode:

1. Open the physical media or download the package. The installation archive is a platform specific file named: `TIB_sfsg_1.3.1_[OS_NameType].zip`
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`

5. Complete the installation by responding to the console window prompts.

Silent Mode

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_ProductName_VersionNumber.silent` file. This document will refer to that file as the "`TIBCOUniversalInstaller.silent`" file.

The `TIBCOUniversalInstaller.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.silent` file, it is good practice to copy the file to a different name and use that file for the silent install.

If errors occur during installation, they will be listed in the installation log file located in the `User_Home/.TIBCO` directory.

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.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 the following:

Windows `TIBCOUniversalInstaller.cmd -silent -V
responseFile="myfilename.silent"`

Linux `TIBCOUniversalInstaller-lnx-x86.bin -silent -V
responseFile="myfilename.silent"`

Post-Installation

After initial installation Enabler gridlib.zip files were put in the directory:

`TIBCO_HOME/sfsg/1.3/gridlib`

These final steps are required to copy the gridlib.zip files and distribution zips in the Broker grid libraries directory to be loaded for use.

Task A Copy the Distribution files to SILVERFABRIC_HOME

The second set of distributions archives may be obtained from the official TIBCO download site. 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.

1. Obtain the distribution grid library archive files that will meet your system software requirements. TIBCO ActiveMatrix Service Grid Distributions are available on the TIBCO download site: <https://download.tibco.com> under the product heading **TIBCO ActiveMatrix Service Grid Distribution for TIBCO Silver Fabric Software**.

The zipped grid lib archives that you use should be appropriate for your intended Silver Fabric Engine deployment target platforms.



Required Minimum Set of Distributions: TIBCO ActiveMatrix Service Grid Distribution for TIBCO Silver Fabric and Hibernate.

As an example of the distribution archives required for a minimal TIBCO ActiveMatrix Service Grid on a TIBCO Silver Fabric Engine with a Windows 64-bit platform would be:

- TIB_SilverFabric_amsg3x_3.3.0_2_win_x86_64_distribution_gridlib.zip
- TIB_SilverFabric_tpcl_org_hibernate_3.2.400.001_distribution_gridlib.zip

Optionally, get other distribution grid library files to enhance your system like *IT/BT Distributions*, *TIBCO ActiveMatrix BusinessWorks™ Service Engine Distribution for TIBCO Silver® Fabric*, and *TIBCO Rendezvous® Distribution for TIBCO Silver® Fabric*

- SilverFabric_amxmsft_3.2.0_0_distribution_gridlib
- SilverFabric_amxext3ejbbt_3.2.0_0_distribution_gridlib
- TIB_SilverFabric_amxext3adbt_3.2.0_1_distribution_gridlib.zip
- TIB_SilverFabric_rv_8.4.2_0_win_x86_vc8_distribution_gridlib.zip
- TIB_SilverFabric_bwse_5.11.0_0_distribution_gridlib.zip



The distribution files for *TIBCO ActiveMatrix BusinessWorks™ Service Engine Distribution for TIBCO Silver® Fabric Software* can be obtained under that same name on the product download site: <https://download.tibco.com>.

Some Distributions like the ones for TIBCO Rendezvous are not only operating system and bit size specific, but they are also a dependency for other software. The release version you will want to use is dependent on what the other software requires. It will have a file name that reflects the expected operating system of your targeted Silver Fabric Engine like one of the following example files for a Windows 64-bit system:

- SilverFabric_rv_8.3.2_win_x86_64_vc8_distribution_gridlib.zip,
(required for TIBCO ActiveMatrix BusinessWorks Service Engine Distribution for TIBCO Silver Fabric Software 5.10.0 or TIBCO ActiveMatrix Binding Type for Adapters Software 3.2.0)
- TIB_SilverFabric_rv_8.4.2_0_win_x86_64_vc8_distribution_gridlib.zip,
(required for TIBCO ActiveMatrix BusinessWorks Service Engine Distribution for TIBCO Silver Fabric Software 5.11.0 or TIBCO ActiveMatrix Binding Type for Adapters Software releases after 3.2.0)

Refer to the ReadMe files of the software you intend to use to determine what dependencies are required.

2. Paste the distribution files into the following directory:

SILVERFABRIC_HOME/webapps/livecluster/deploy/resources/gridlib/

Alternatively, the distribution files may be dropped into any directory accessible to Silver Fabric as long as it is properly specified in Silver Fabric Administrator. Refer to the TIBCO Silver Fabric documentation if you wish to pursue this alternative.

Task B Copy zip archives from TIBCO_HOME to SILVERFABRIC_HOME

1. Copy the contents of the `TIBCO_HOME/sfsg/1.3/gridlib` directory:

```
SilverFabric_tibcoamx_extension_adapter_1.0.0_gridlib
SilverFabric_tibcoamx_extension_bwse_1.0.0_gridlib.zip
SilverFabric_tibcoamxadmin_component.type_1.3.1.zip
SilverFabric_tibcoamxadmin_container_1.3.1_gridlib.zip
SilverFabric_tibcoamxruntime_component.type_1.3.1.zip
SilverFabric_tibcoamxruntime_container_1.3.1_gridlib.zip
```

2. Paste those zip archives into the following directory:

SILVERFABRIC_HOME/webapps/livecluster/deploy/resources/gridlib/

For detailed information about grid libraries, distributions, and containers, refer to [Grid Libraries on page 6](#).

Uninstallation

To uninstall this product, do the following two tasks:

- [Task A, Removing Grid Libraries, on page 17](#)
- [Task B, Uninstalling TIBCO Silver Fabric Enabler for ActiveMatrix Service Grid, on page 17](#)

Task A Removing Grid Libraries

1. Shut down all running TIBCO Silver Fabric Enabler for ActiveMatrix Service Grid applications.
2. Remove all `SilverFabric_*.zip` files from the following directory:
`SILVERFABRIC_HOME/webapps/livecluster/deploy/resources/gridlib`

Task B Uninstalling TIBCO Silver Fabric Enabler for ActiveMatrix Service Grid

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:
 - Select the **Uninstall Products from Selected TIBCO Home Location** radio button.
 - 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 in the Uninstallation Type page appears. Choose an uninstallation option. 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 Products to be Removed)** radio button, 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. Click the **Yes, Clean It up** button.

7. Review the Post-Uninstall Summary and click the **Finish** button to exit the uninstall wizard.