TIBCO Silver® Fabric Enabler for ActiveSpaces® Enterprise Edition

Release Notes

Software Release 1.2.0
September 2016

Two-Second Advantage®

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Preface

TIBCO Silver ® Fabric Enabler for ActiveSpaces® Enterprise Edition provides functionality to use the Silver Fabric Administration Tool to configure ActiveSpaces as-agents as Silver Fabric Components. The Silver Fabric Components can then be deployed on your network or cloud environment.

Topics

- Related Documentation, page vi
- Typographical Conventions, page vii
- Connecting with TIBCO Resources, page x

Related Documentation

This section lists documentation resources you may find useful.

The following documents form the TIBCO Silver Fabric Enabler for ActiveSpaces Enterprise Edition documentation set:

- *TIBCO Silver Fabric Enabler for ActiveSpaces Enterprise Edition Installation* Read this manual for an overview of the installer and instructions on system requirements, installation requirements, installation tasks, and the uninstallation process.
- *TIBCO Silver Fabric Enabler for ActiveSpaces Enterprise Edition User's Guide* Describes how to configure Silver Fabric components and stacks using the Enabler, the use of ActiveSpaces Enabler Runtime Context Variables for component configuration, and how the Enabler works with shared-nothing persistence and host-aware replication.
- *TIBCO Silver Fabric Enabler for ActiveSpaces Enterprise Edition 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

You might find it useful to read the documentation for the following TIBCO products:

- TIBCO ActiveSpaces documentation
- TIBCO Silver Fabric documentation

Typographical Conventions

The following typographical conventions are used in this manual.

Table 1 General Typographical Conventions

Convention	Use
ENV_NAME *TIBCO_HOME* *SF_HOME* *SFAS_HOME*	TIBCO products are installed into an installation environment. A product installed into an installation environment does not access components in other installation environments. Incompatible products and multiple instances of the same product must be installed into different installation environments. An installation environment consists of the following properties: • **Name** Identifies the installation environment. This name is referenced in documentation as *ENV_NAME*. On Microsoft Windows, the name is appended to the name of Windows services created by the installer and is a component of the path to the product shortcut in the Windows Start > All Programs menu. • **Path** The folder into which the product is installed. This folder is referenced in documentation as *TIBCO_HOME*. TIBCO Silver® Fabric installs into a directory within TIBCO_HOME. This directory is referenced in documentation as SF_HOME. The default value of SF_HOME depends on the operating system. TIBCO Silver Fabric Enabler for ActiveSpaces Enterprise Edition installs into a directory within a *TIBCO_HOME*. This directory is referenced in documentation as SFAS_HOME. The default value of SFAS_HOME depends on the operating system. For example on Windows systems, the default value is C:\tibco\sfas\1.2.
`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.
`bold code font`	Bold code font is used in the following ways: • 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]`

Table 1 General Typographical Conventions (Cont'd)

Convention	Use
italic font	Italic font is used in the following ways: • To indicate a document title. For example: See *TIBCO ActiveMatrix BusinessWorks Concepts*. • To introduce new terms For example: A portal page may contain several portlets. *Portlets* are mini-applications that run in a portal. • To indicate a variable in a command or code syntax that you must replace. For example: `MyCommand` *PathName*
Key combinations	Key name separated by a plus sign indicate keys pressed simultaneously. For example: Ctrl+C. Key names separated by a comma and space indicate keys pressed one after the other. For example: Esc, Ctrl+Q.
	The note icon indicates information that is of special interest or importance, for example, an additional action required only in certain circumstances.
	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.
	The warning icon indicates the potential for a damaging situation, for example, data loss or corruption if certain steps are taken or not taken.

Table 2 Syntax Typographical Conventions

Convention	Use
`[ ]`	An optional item in a command or code syntax. For example: `MyCommand [optional_parameter] required_parameter`
`|`	A logical `OR` that separates multiple items of which only one may be chosen. For example, you can select only one of the following parameters: `MyCommand para1 | param2 | param3`

Table 2 Syntax Typographical Conventions

Convention	Use

`{ }`	A logical group of items in a command. Other syntax notations may appear within each logical group.
	
	For example, the following command requires two parameters, which can be either the pair `param1` and `param2`, or the pair `param3` and `param4`.
	
	`MyCommand {param1 param2} | {param3 param4}`
	
	In the next example, the command requires two parameters. The first parameter can be either `param1` or `param2` and the second can be either `param3` or `param4`:
	
	`MyCommand {param1 | param2} {param3 | param4}`
	
	In the next example, the command can accept either two or three parameters. The first parameter must be `param1`. You can optionally include `param2` as the second parameter. And the last parameter is either `param3` or `param4`.
	
	`MyCommand param1 [param2] {param3 | param4}`

Connecting with TIBCO Resources

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 http://www.tibcommunity.com.

How to Access TIBCO Documentation

You can access TIBCO documentation here:

http://docs.tibco.com

How to Contact TIBCO Support

For comments or problems with this manual or the software it addresses, contact TIBCO Support as follows:

- For an overview of TIBCO Support, and information about getting started with TIBCO Support, visit this site:

  http://www.tibco.com/services/support

- If you already have a valid maintenance or support contract, visit this site:

  https://support.tibco.com

  Entry to this site requires a user name and password. If you do not have a user name, you can request one.

Release Notes

TIBCO Silver Fabric Enabler for ActiveSpaces Enterprise Edition is a complementary software component that allows TIBCO ActiveSpaces to be deployed in cloud environments based on TIBCO Silver Fabric. TIBCO Silver Fabric Enabler for ActiveSpaces Enterprise Edition also leverages Silver Fabric capabilities to accelerate deployments of ActiveSpaces as-agents and provide elastic optimization of computing resources.

Topics

- New Features, page 2
- Changes in Functionality, page 4
- Deprecated Features, page 5
- Migration and Compatibility, page 6
- Closed Issues, page 7
- Known Issues, page 8

New Features

This section lists the features added since the last major release of this product.

Version 1.2.0

- **Supports new command line arguments for ActiveSpaces agent**: Runtime context variables: `AS_SITE_NAME` and `AS_SYSTEM_SEEDER` are added. You can now configure and pass the arguments `-site_name <String>` and `-system_seeder <boolean>` to as-agent for cross-site replication.

Version 1.1.0

- **Support for users to specify the ActiveSpaces distribution version that is used by the TIBCO Silver Fabric Enabler for ActiveSpaces:** You can add the ActiveSpace distribution version by adding a context variable with "middlewareVersions" in the **Name** field and `TIBCO_ActiveSpaces_distribution:<Distribution_Version>`" in the **Value** field.
- **Supports TIBCO Silver Fabric Enabler for ActiveSpaces to deploy as-agents that use security in the cloud:** Added support for deploying as-agents using security. See *TIBCO Silver Fabric Enabler for ActiveSpaces Enterprise Edition User's Guide* for more details.
- **Supports configuration for using the Hoard feature:** You can easily turn the Hoard feature **ON** or **OFF** using `RuntimeContextVariable AS_HOARD_SUPPORT`. The default value is `OFF`. This feature is applicable only for the Linux environment.

Version 1.0.1

TIBCO Silver Fabric Enabler for ActiveSpaces Enterprise Edition 1.0.1 has the following new features:

- **Added support for the Windows Server 2012 64-bit platform** TIBCO Silver Fabric Enabler for ActiveSpaces has been tested on Windows Server 2012 64-bit platform. Other Windows platforms have not been tested.
- **The option to enter a blank value for AS_LISTEN_PORT** The –listen option from the as-agent start-up command is removed if you specify a blank listen URL and a blank listen port. As a result, ActiveSpaces determines the listen URL for the as-agent. For additional details, refer to *TIBCO Silver Fabric Enabler for ActiveSpaces Enterprise Edition User's Guide*. To enter a blank value for

AS_LISTEN_PORT, modify the **Value** setting and the Auto Increment Type setting for AS_LISTEN_PORT in your component configuration:

— For the **Value** setting, do not select a value. Leave the field blank.

— For the Auto Increment Type setting, select None.

By default, the value displayed for the Auto Increment Type setting is Numeric. If you do not change the value to None, Silver Fabric displays a runtime exception.

Version 1.0.0

TIBCO Silver Fabric Enabler for ActiveSpaces Enterprise Edition 1.0.0 has the following new features:

- **Configuration and publishing of TIBCO Activespaces as-agents as Silver Fabric Components** Using a set of Component Runtime Context Variables, you can map to as-agent command-line options to enable running as-agents in the cloud.
- **Configuration and Publishing of a Silver Fabric Stack to Launch ActiveSpaces MetaSpaces** Using the Silver Fabric Administration utility, you can configure and publish a Silver Fabric Stack to launch your ActiveSpaces metaspace in the cloud or on a set of physical or virtual machines.

Changes in Functionality

This section lists changes in functionality since last major release of this product.

Release 1.2.0

There are no changes in functionality for this release of TIBCO Silver Fabric Enabler for ActiveSpaces.

Release 1.1.0

When configuring a component which uses the TIBCO Silver Fabric Enabler for ActiveSpaces, `AS_LISTEN` can now be selected and configured as a runtime context variable.

Deprecated Features

No features are deprecated or removed in Version 1.2.0 of TIBCO Silver Fabric Enabler for ActiveSpaces Enterprise Edition.

Migration and Compatibility

For instructions on how to upgrade and migrate components created using previous releases of TIBCO Silver Fabric Enabler for Active Spaces Enterprise Edition, see Chapter 3 of the *TIBCO Silver Fabric Enabler for ActiveSpaces Enterprise Edition User's Guide*.

Closed Issues

The table lists closed issues of TIBCO Silver Fabric Enabler for ActiveSpaces Enterprise Edition.

Version	Key	Summary
1.2.0	SFAS-64	Discovery URL was not picked up automatically from security policy/token files, if you did not specify the runtime context variable `AS_DISCOVERY`.
1.2.0	SFAS-65	`AS_AUTOJOIN_ROLE` runtime context variable was not visible on component configuration wizard.
1.2.0	SFAS-66	Updated the enabler generated default startup scripts.
1.1.0	SFAS-22	`AS_LISTEN` was not being exposed as an enabler component configuration setting.
1.1.0	SFAS-24	Security was not supported for metaspace.
1.1.0	SFAS-47	Silver Fabric users could not specify the distribution version of ActiveSpaces that was used by the TIBCO Silver Fabric Enabler for ActiveSpaces.
1.1.0	SFAS-50	User could not configure the Hoard feature, which is applicable for the Linux platform.

Known Issues

The table lists known issues of TIBCO Silver Fabric Enabler for ActiveSpaces Enterprise Edition.

Version	Key	Summary/Workaround
1.1.0	SFAS-60	**Summary**: If identity or authentication password start with # or SAFE#, component does not get activated. Values starting with # are read as values without #. For example : If password is #abcd, it is read as abcd. SAFE passwords for identity or authentication always start with #SAFE#. **Workaround:** Avoid using string passwords that start with # or SAFE#. But SAFE passwords are processed correctly by the enabler.
1.1.0	SFAS-61	**Summary**: Dashboard displays alerts when ActiveSpaces Enabler is added to Silver Fabric. **Workaround:** You can ignore these alerts.