TIBCO DataSynapse Federator™

Release Notes

Software Release 3.0 SP1
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Preface

TIBCO DataSynapse Federator™ offers the flexibility and scalability of the public cloud with the security and control of your own data center. It brings the elasticity of cloud computing to your organization – supporting existing solutions within your current infrastructure while automatically scaling resources to meet demand.

Topics

- Related Documentation, page x
- Typographical Conventions, page xi
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Related Documentation

This section lists documentation resources you may find useful.

TIBCO Federator Documentation

The following documentation is included with Federator in Adobe Acrobat (PDF) format. To view the guides, click on the book icon at the upper right of the interface. The PDF files are also on the Broker at `webapps/federator/doc`. The following documents form the Federator documentation set:

- *TIBCO DataSynapse Federator™ User Guide* Covers general usage and administration of Federator.
- *TIBCO DataSynapse Federator™ Installation Guide* Covers installation of Federator for Windows and Unix.
- *TIBCO DataSynapse Federator™ Release Notes* Read the release notes for a list of new and changed features. This manual also contains lists of known issues and closed issues for this release.

Typographical Conventions

The following typographical conventions are used in this manual.

Table 1 General Typographical Conventions

Convention	Use
TIBCO_HOME *DS_HOME*	Many TIBCO products must be installed within the same home directory. This directory is referenced in documentation as *TIBCO_HOME*. The default value of *TIBCO_HOME* depends on the operating system. For example, on Windows systems, the default value is `C:\tibco`. TIBCO DataSynapse Federator™ installs into a directory within *TIBCO_HOME*. This directory is referenced in documentation as *DS_HOME*. The default value of *DS_HOME* depends on the operating system. For example on Windows systems, the default value is `C:\tibco\datasynapse`.
`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]`
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*

Table 1 General Typographical Conventions (Continued)

Convention	Use
Key combinations	Key names separated by a plus sign indicates 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 (Continued)

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, 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 All TIBCO Documentation

After you join TIBCOmmunity, you can access the documentation for all supported product versions here:

http://docs.tibco.com/TibcoDoc

How to Contact TIBCO Support

For comments or problems with this manual or the software it addresses, please 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

Check the TIBCO Product Support web site at https://support.tibco.com for product information that was not available at release time. Entry to this site requires a username and password. If you do not have a username, you can request one. You must have a valid maintenance or support contract to use this site.

Topics

- New Features, page 2
- Changes in Functionality, page 3
- Deprecated and Removed Features, page 4
- Migration and Compatibility, page 5
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- Known Issues, page 8

New Features

This section lists features added since the last major (2.0) release of this product.

Release 3.0

The following are new features in this release.

- Federator can now manage Virtual Resources in a VMware private cloud, in the same way that it manages resources in the Amazon EC2 public cloud.
- Federator is now installed as a standalone server. Silver Fabric is no longer required.
- Amazon Virtual Private Cloud (VPC) is now used for managing EC2 Virtual resources.
- Demand-Based Allocation (DBA) is now supported for Amazon EC2 and VMware Virtual Resources.
- Support for configuring a Federator instance as a failover server has been added. It will take over operations when it detects that the primary instance has failed.

Changes in Functionality

For details on changes in functionality since the last major release of this product, see the section Upgrading Federator in the *Federator Installation Guide*.

Deprecated and Removed Features

This section describes deprecated features (if any), and lists features, if relevant, that may be useful alternatives to the deprecated features. Any use of a deprecated feature should be discontinued as it may be removed in a future release. You should avoid becoming dependent on deprecated features and become familiar with the suggested alternative features.

This section also lists features that are removed (if any).

Release 3.0

The following features were removed in this release:

- The Platform-as-a-Service (PaaS) functionality has been removed.

Migration and Compatibility

For details on how to migrate from a previous release to the current release, see the section Upgrading Federator in the *TIBCO DataSynapse Federator™ Installation Guide*.

Closed Issues

The table in this section list issues that were closed in the named releases.

Closed in Release	Key	Summary
3.0.0	FED-966	When creating a dynamic resource group when using an Oracle database, a "cannot insert NULL" error occured when setting a rule in which the busy state was non-busy.
3.0.0	FED-879	A Demand-Based Policy could not be created after upgrading from Federator 2.0.
3.0.0	FED-868	Filtering a search on "active" resources resulted in a stack trace.
3.0.0	FED-867	If a Resource Group and a Resource Manager have the same name, policies were listed twice as dependencies.
3.0.0	FED-848	Having several offline enabled Resource Managers caused delays opening the Resource Manager page.
3.0.0	FED-841	The "all" checkbox on the EC2 Resources page did not select all items.
3.0.0	FED-835	The dynamic group OS type filter did not match Solaris X86 Engines.
3.0.0	FED-833	Incorrect error messages were shown when there was an error in LDAP configuration values.
3.0.0	FED-832	Updating an LDAP user's email address in LDAP would cause their authentication to fail.
3.0.0	FED-812	If Federator was stopped or failed, EC2 instances would continue running and become orphaned.
3.0.0	FED-808	Large databases would cause an out of memory error during database cleanup.
3.0.0	FED-785	EC2 resources were assignable to non-EC2 Resource Groups.

Closed in Release	Key	Summary
3.0.0	FED-778	A large number of scheduler events would cause an out of memory error.
3.0.0	FED-656	The admin user could not modify their password when LDAP was enabled.
3.0.0	FED-261	The Policy Intervals active column would say "inactive-disabled" instead of "inactive".

Known Issues

The table in this section lists known issues in this release.

Key	Summary
FED-1093	There are many messages similar to this upon shutdown: `SEVERE: A web application appears to have started a thread named [Thread-6] but has failed to stop it.` This is due to incorrect cleanup by Grails at shutdown, but is not indicative of any real problems.