TIBCO® Enterprise Administrator

Release Notes

Version 2.4.2 | June 2024

Contents

New Features

The following features have been added in this release of TIBCO® Enterprise Administrator.

H2 Database Upgrade

H2 database version is upgraded from version 2.1.210 to 2.2.224. For more information see Migration and Compatibility
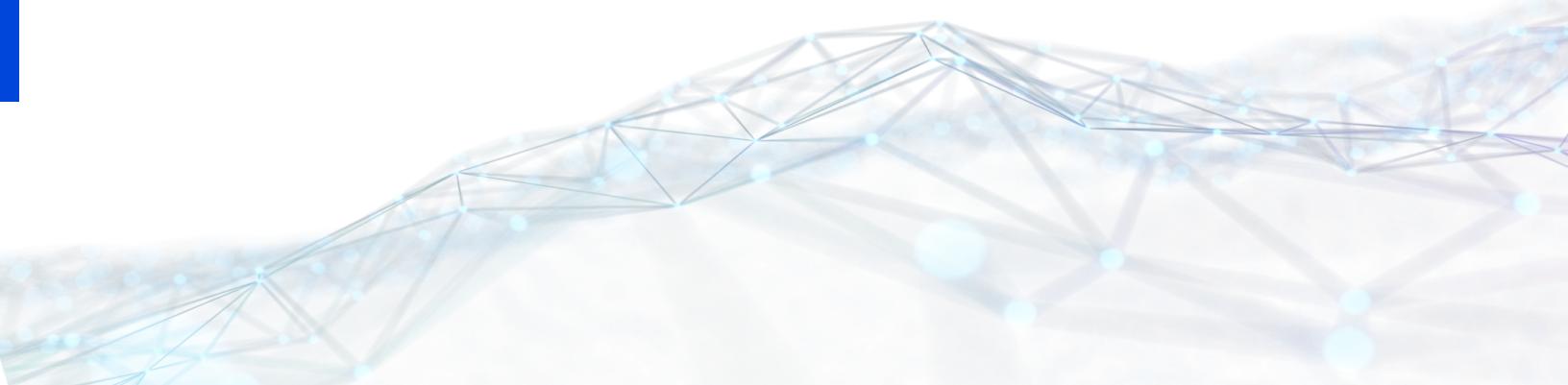
Changes in Platform Support

In this release, platform support for TIBCO® Enterprise Administrator has changed as follows:

Platform	Status	As of Release	Notes
Red Hat Enterprise Linux Server 9	Added	2.4.2	

For a complete list of supported platforms, see the Readme file.

Changes in Functionality

No functionality changes have been made in this release of TIBCO® Enterprise Administrator.

Deprecated Features

The following features have been deprecated as of this release of TIBCO® Enterprise Administrator.

- HP-UX 11i v3 (B.11.31)

- Oracle Solaris 11

Removed Features

No features have been removed in this release of TIBCO® Enterprise Administrator.

Migration and Compatibility

For details about upgrading TIBCO Enterprise Administrator, see the "Upgrade" section in *TIBCO® Enterprise Administrator Installation*.

Agents built with the higher version of the library cannot be registered with a lower version of the server. For example, an agent built with the version 1.3.0 of the library cannot be registered with the version 1.2.0 of the TIBCO Enterprise Administrator server.

For information about backward compatibility of TIBCO Enterprise Administrator, see the "Backward Compatibility" section in *TIBCO® Enterprise Administrator Installation*.

Migrating TIBCO Enterprise Administrator H2 from version 2.1.210 to version 2.2.224

In TIBCO Enterprise Administrator 2.4.2, H2 database version is upgraded from version 2.1.210 to 2.2.224. You must perform the following steps to migrate your database configured in TIBCO Enterprise Administrator 2.4.1 HF3 to 2.4.2 service pack.

> **Note:** TIBCO Enterprise Administrator version 2.4.1. HF3 is a prerequisite to migrate to TIBCO Enterprise Administrator version 2.4.2.

Procedure

1. Stop TIBCO Enterprise Administrator 2.4.1 HF3 server and all the registered agents.

2. Take backup of `<TIBCO_HOME>/tibco/cfgmgmt` directory.

3. Run the following commands:

```
cd <TIBCO_HOME>/tea/2.4.1

java -cp lib/h2-2.1.210.jar org.h2.tools.Script -url jdbc:h2:<TEA_
CONFIG_HOME>/tibco/cfgmgmt/tea/data/TEA -script tea.zip -options
compression zip

java -cp lib/h2-2.1.210.jar org.h2.tools.Script -url jdbc:h2:<TEA_
```

```
CONFIG_HOME>/tibco/cfgmgmt/tea/data/TEA-REALM -script tea-
realms.zip -options compression zip
```

This will create `tea.zip` and `tea-realms.zip` file in the current directory.

4. Install TIBCO Enterprise Administrator 2.4.2. For more information, see Installation.

5. Copy `tea.zip` and `tea-realms.zip` files in `<TIBCO_HOME>/tea/2.4.1` directory using the following command:

```
cd <TIBCO_HOME>/tea/2.4.1

cp tea.zip ../2.4.2
cp tea-realms.zip ../2.4.2
```

6. Create a new folder at `<TIBCO_HOME>/tibco/cfgmgmt/tea`, as a new config home location.

   Example: folder name is 2.4.2.

   Update `tea.tra` file of version 2.4.2 with this new folder location `tibco.env.TEA_CONFIG_HOME=<TIBCO_HOME>/tibco/cfgmgmt/tea/2.4.2`.

   Run the following commands:

```
cd <TIBCO_HOME>/tea/2.4.2

java -cp lib/h2-2.2.224.jar org.h2.tools.RunScript -script tea.zip
-url "jdbc:h2:<TIBCO_CONFIG_HOME>/tibco/cfgmgmt/tea/data/TEA;NON_
KEYWORDS=KEY,VALUE" -options compression zip variable_binary

java -cp lib/h2-2.2.224.jar org.h2.tools.RunScript -script tea-
realms.zip -url "jdbc:h2:<TIBCO_CONFIG_
HOME>/tibco/cfgmgmt/tea/data/TEA-REALM;NON_KEYWORDS=KEY,VALUE" -
options compression zip variable_binary
```

7. Start the TIBCO Enterprise Administrator server from `<TIBCO_HOME>/tea/2.4.2/bin` directory and verify if all the data from previous version is migrated to version 2.4.2.

Migrating TIBCO Security Server H2 from version 2.1.210 to version 2.2.224

In TIBCO Enterprise Administrator 2.4.2, H2 database version is upgraded from version 2.1.210 to 2.2.224. You must perform the following steps to migrate your TIBCO Security

Server database configured in an earlier version of TIBCO Enterprise Administrator to new format in the version 2.4.2.

Procedure

1. Export 2.4.1 H2 files with 2.1.210 H2 jar. Go to local library folder where H2-2.1.210.jar is present.

2. Copy the content from the existing DB and convert the details in SQL script and save it to `taagentDB.zip` file.

   ```
   java -cp h2-2.1.210.jar org.h2.tools.Script -url jdbc:h2:<TEA_
   CONFIG_HOME>}/tibco/cfgmgmt/tss/data/teaAgentDb  -user "sa" -
   password "sa" -script taagentDB.zip -options compression zip
   ```

3. Copy the content from the existing DB and convert the details in SQL script and save it to `tssDB.zip` file.

   ```
   java -cp h2-2.1.210.jar org.h2.tools.Script -url jdbc:h2:<TEA_
   HOME>/tea/agents/tss/1.2/bin/tibco/cfgmgmt/data/tssDb  -user "sa" -
   password "sa" -script tssDB.zip -options compression zip
   ```

4. Manually take the backup of `~/tibco/cfgmgmt/tss/data/` folder and then delete the `~/tibco/cfgmgmt/tss/data/teaAgentDb.mv.db` file. Now copy `taagentDB.zip` to the location where `h2-2.2.224.jar` is present.

5. Manually take the backup of `~/TEA241HF3/tea/agents/tss/1.2/bin/tibco/cfgmgmt/data` folder and then delete the `~/TEA241HF3/tea/agents/tss/1.2/bin/tibco/cfgmgmt/data/tssDb.mv.db` file. Now copy `tssDB.zip` to the location where `h2-2.2.224.jar` is present.

   Go to local library folder where `h2-2.2.224.jar` is present.

   ```
   cd <TEA_HOME>/TEA242/tea/agents/tss/1.2.3/lib
   ```

6. Generate the new DB from `taagentDB.zip` file to location `~/tibco/cfgmgmt/tss/data/`

   ```
   java -cp h2-2.2.224.jar org.h2.tools.RunScript -script
   taagentDB.zip -url "jdbc:h2:<TEA_CONFIG_
   HOME>/tibco/cfgmgmt/tss/data/teaAgentDb;NON_KEYWORDS=KEY,VALUE" -
   options compression zip variable_binary
   ```

7. Generate the new DB from tssDB.zip file to location `~/tibco/cfgmgmt/tss/data/`

```
java -cp h2-2.2.224.jar org.h2.tools.RunScript -script tssDB.zip -
url "jdbc:h2:<TEA_
HOME>/TEA242/tea/agents/tss/1.2.3/bin/tibco/cfgmgmt/data/tssDb;NON_
KEYWORDS=KEY,VALUE" -options compression zip variable_binary
```

Closed Issues

The following issues have been fixed in this release of TIBCO® Enterprise Administrator.

Key	Description
TEA-3688	Input field validation issue is fixed.
TEA-3699	Red Hat Enterprise Linux Server 9 platform support is been added.
TEA-3686,TEA-3694	TIBCO Enterprise Administrator Python binding now supports Python 3.x.
TEA-3197	HTTP Strict Transport Security (HSTS) is enabled for TIBCO Enterprise Administrator.

Known Issues

The following issues exist in this release of TIBCO® Enterprise Administrator.

Agent Library

Server

Samples

Agent Library

Key	Information
| TEA-3478 | **Summary:** The TEA jQuery upgrade is causing a blocker in the AngularJS $digest cycle in the Adapter Agent code.<br><br>**Workaround**: To force the `$digest` cycle to refresh the UI, add the following code snippet at the beginning of `index.js` controller:<br><br>```
setInterval(function() {
$rootScope.$digest();
}, 500);
``` |
TEA-3471	**Summary:** You cannot use **Register servers using TIBCO Hawk** option in the TEA agent for TIBCO Enterprise Message Service. **Workaround**: None
TEA-1595	**Summary:** If a `TeaObject` has the same name as nested objects (irrespective of their type), this results in ambiguity while navigating through their directory structure in the shell UI. **Workaround**: Give unique names to all nested objects.
TEA-1109	**Summary:** If an agent is registered with the name `false`, the agent page does not show the name and status of the agent. **Workaround**: None

Server

Key	Information
WRAP-143	**Summary:** On Mac OS X, TIBCO Enterprise Administrator searches for Java 1.6. If Java 1.6 is not installed on Mac OS X, TIBCO Enterprise Administrator does not launch and displays the error message -No Java runtime present, requesting install. **Workaround**: None
TEA-3504	**Summary:** TIBCO Enterprise Administrator 2.4.0 fails to start on IBM AIX 7.2 platform. **Workaround**: 1. On IBM AIX platform, open the `tea.tra` file. 2. Remove `--add-opens java.base/java.lang=ALL-UNNAMED` from `java.extended.properties`.
TEA-3446	**Summary:** After a session times out and you are redirected to the login page, the "TIBCO Enterprise Administrator" heading is displayed twice. **Workaround**: None
TEA-3361	**Summary:** Identity Provider services cannot be registered with Java 11 or Java 8. **Workaround**: None
TEA-3338	**Summary:** Operating System and TIBCO process details sections are empty on the Machine details page. **Workaround**: None
TEA-3181	**Summary:** The underscore character (_) is not one of the valid special characters that you can use while specifying TIBCO Enterprise Administrator server URL in the host name. **Workaround**: Remove the underscore characters from the hostname.
TEA-2950	**Summary:** When an LDAP user belonging to an LDAP group logged in to TIBCO Enterprise Administrator, an incorrect error was logged in the

Key	Information
	`tea.log` file. **Workaround**: None
TEA-2921	**Summary:** If you upload a profile by using a nondefault method, non-ASCII EAR files are not deployed. **Workaround**: None
TEA-2751	**Summary:** If you attempt to import a large number of users from an Active Directory to the TIBCO Enterprise Administrator database by using the TIBCO Enterprise Administrator web user interface, the UI stops responding. **Workaround**: None
TEA-2112	**Summary:** TIBCO Enterprise Administrator server does not check the changes made to the child object type in the agents with the same version number that coexists on the TIBCO Enterprise Administrator server. **Workaround**: None
TEA-2032	**Summary:** For the Windows machines discovered using Hawk, the OS Process Name appears as `<ACCESS_DENIED>` instead of the actual process name. **Workaround**: None
TEA-2024	**Summary:** When the TIBCO Enterprise Administrator server loses network connectivity with the Hawk discovered machines, the Hawk discovered machines are at times not re-listed in the Machines View after the connection is restored. **Workaround**: None
TEA-1981	**Summary:** When you have two versions of an agent both registered with the TIBCO Enterprise Administrator server, if the TypeName of theTeaObjectProvider changes in the newer version, you cannot navigate to the child instances of the old agent in the web user

Key	Information
	interface. **Workaround**: None
TEA-1914	**Summary:** When two or more instances of the same agent are registered with the server, you cannot distinguish among objects that have the same name. **Workaround**: Click an object to view it. The browser URL indicates the name of object's agent. **Note**: In the shell UI, all objects with the same name appear as a single object. No workaround exists.
TEA-1910	**Summary**: Registering an agent in a shell UI session can invalidate the operation context for existing agents with the same name. Even in separate shell sessions, operations on objects of the invalidated existing agents can fail. **Workaround**: Use the command `cd ..` to reset the context, and then `cd` again to return to the product level and invoke the operation.
TEA-1851	**Summary**: You cannot register two agents (with different agent type names) that have the same top-level object type name. However, the server does not validate object type names to prevent such collisions. **Workaround**: Recode agent top-level object type names to avoid collisions.
TEA-1800	**Summary**: The `source` command of the shell UI does not report the output of successful operations to the console. For example, `source my_repo_dir/my_script.txt` reports error output, but not successful output. **Workaround**: Execute scripts using script mode instead, for example: ``` ssh -p 2222 admin@localhost scriptmode < my_script.txt ```
TEA-1736	**Summary**: Users cannot rely on filter and search for agent names to

Key	Information
	find *all* of the matching agents. **Workaround**: None
TEA-1596	**Summary**: In the shell UI, grouped commands do not maintain the specified order of execution. Only the last command in the group executes. **Workaround**: None

TEA-1480	**Summary**: On starting the TIBCO Enterprise Administrator server, the following warning messages are displayed in the logs:
	
	`WARN TeaOpCommand [ ] command 'removePrivileges', parameter 'permissions': type is 'object', not supported as a command-line option`
	
	`WARN TeaOpCommand [ ] command 'sessionDestroyed', parameter 'sessionId': type is 'object', not supported as a command-line option`
	
	Workaround: Ignore the messages.

TEA-1460	**Summary**: After deleting the configuration data, an attempt to log in to TIBCO Enterprise Administrator results in an authentication error. **Workaround**: None
TAEM-160	**Summary**: When one of the EMS fault tolerance instances is down, there is a lag in displaying data on the TIBCO Enterprise Administrator UI. **Workaround**: None
TAEM-146	**Summary**: Fault Tolerance and SSL configurations are not supported from Shell and Python scripts for TIBCO Enterprise Message Service . **Workaround**: None

Samples

Key	Information
TEA-1577	**Summary**: An error occurs while deleting a Tomcat server instance and while unregistering an EMS server. **Workaround**: Ignore the error.
TEA-1166	**Summary**: On SUSE Linux platforms, TIBCO Enterprise Administrator cannot start the sample Tomcat instances. **Workaround**: None
TEA-1165	**Summary**: When using Tomcat samples, TIBCO Enterprise Administrator cannot stop the Tomcat server when two or more instances of Tomcat are created. **Workaround**: None

TIBCO Documentation and Support Services

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

How to Access TIBCO Documentation

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

The Product Documentation website is updated frequently and is more current than any other documentation included with the product.

Product-Specific Documentation

The documentation for this product is available on the TIBCO® Enterprise Administrator Product Documentation page.

To directly access documentation for this product, double-click the following file:

TIBCO_HOME/release_notes/TIB_tea_2.4.2_docinfo.html where *TIBCO_HOME* is the top-level directory in which TIBCO products are installed. On Windows, the default *TIBCO_HOME* is C:\tibco. On UNIX systems, the default *TIBCO_HOME* is /opt/tibco.

How to Contact Support for TIBCO Products

You can contact the Support team in the following ways:

- To access the Support Knowledge Base and getting personalized content about products you are interested in, visit our product Support website.

- To create a Support case, you must have a valid maintenance or support contract with a Cloud Software Group entity. You also need a username and password to log in to the product Support website. If you do not have a username, you can request one by clicking **Register** on the website.

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