

TIBCO® API Exchange Manager Release Notes

*Software Release 2.3.0
September 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>

Product-Specific Documentation

Documentation for TIBCO products is not bundled with the software. Instead, it is available on the TIBCO Documentation site. To directly access documentation for this product, double-click the following file:

`TIBCO_HOME/asg/2.3/doc/manager/index.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`.

The following documents for this product can be found on the TIBCO Documentation site:

- *TIBCO API Exchange Manager Installation*
- *TIBCO API Exchange Manager Administration*
- *TIBCO API Exchange Manager Release Notes*
- *TIBCO API Exchange Concepts*
- *TIBCO API Exchange Getting Started*

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.

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<https://www.tibcommunity.com>

New Features

This section lists features added in the named releases of TIBCO API Exchange Manager.

Version 2.3.0

There are no new features in version 2.3.0 of TIBCO® API Exchange Manager.

Changes in Functionality

This section lists changes in functionality in the named releases of TIBCO API Exchange Manager.

Version 2.3.0

The following are changes in functionality in version 2.3.0 of TIBCO API Exchange Manager.

Config Cleanup Utility

Use the following command to start the Config Cleanup Utility:

```
asg-config-cleanup.exe <Project Folder> -uuidCleanup
```

Deprecated and Removed Features

No features are deprecated or removed as of version 2.3.0 of TIBCO API Exchange Manager.

Migration and Compatibility

The following are instructions on how to migrate from a previous release to version 2.3.0 of TIBCO API Exchange Manager.

To migrate from a previous version to 2.3.0, complete the following tasks:

1. Upgrade Gateway and Manager to version 2.3.0.
 - a. Migrate to TIBCO API Exchange Gateway version 2.3.0. See [Migrating the API Exchange Gateway](#) for more information.
 - b. Install TIBCO API Exchange Manager version 2.3.0.
2. Migrate the API Exchange Manager. See [Migrating the API Exchange Manager](#) for details.
3. Install and migrate to Adapter Code for TIBCO® API Exchange and Joomla! version 2.3.0. For more information, see [Migration and Compatibility](#).
4. Update the Spotfire templates. See [Updating Spotfire Templates](#).

Migrating the API Exchange Gateway

For information regarding the migration process for the TIBCO API Exchange Gateway component, see *TIBCO API Exchange Gateway Release Notes 2.3.0*.

Migrating the API Exchange Manager

To migrate the API Exchange Manager, complete the following steps:

1. Stop API Exchange Manager and Gateway, and then make backups.
2. Install API Exchange Manager 2.3.0 after Gateway is installed.
3. Update Joomla adapter.

For details, refer to the “Migration and Compatibility” section in *Adapter Code for TIBCO API Exchange and Joomla! Release Notes*.

4. Migrate the project configuration and properties files.

Use the migration tool to migrate the project configuration containing the *.cfg files and runtime properties files.

- a. Navigate to the `ASG_HOME/bin` directory.
- b. Type the following command to run the tool:

```
asg-tools -u migrate-config -cc Source_Configuration_Directory -dc
Destination_Configuration_Directory -sv Source_Version
```

The arguments of the `asg-tools` migration tool are defined as follows:

- `cc` : specifies the full path of the source configuration directory to be migrated.
For example, this is the configuration directory for a previous release such as 2.1.0.
- `dc`: specifies the full path of the destination configuration directory where the migrated configuration is stored.
For example, this is the configuration directory for the current release such as 2.3.0.
- `sv`: specifies the release version of the source configuration directory to be migrated.
For example, this is the version for a previous release such as 2.1.0.

For example, on the Windows platform, run the tool as follows to migrate the project configuration and runtime properties files from version 2.1.0 to version 2.3.0:



Any changes made to the project configuration or properties files in the directory specified by -dc parameter are overwritten by the asg-tools tool. Any change to be made to the configuration directory as specified by the -dc parameter have to be made after completing the migration process.

The original configuration files are saved in <TIBCO Config Home>/tibco/cfgmgmt/asg/../../asg.bak/asg.

```
asg-tools.exe -u migrate-config -cc C:/TIBCO_CONFIG/tibco/cfgmgmt/asg/../../asg.bak -dc C:/TIBCO_CONFIG/tibco/cfgmgmt/asg -sv 2.1.0
```



After completion, manually update the substitution variables %TIBCO_ASG_CONFIG_HOME_ESC% and %TIBCO_ASG_HOME_ESC% in the asg.properties and asg_portal.properties files.

5. Run asg-config-cleanup on master configuration project for API Exchange Manager if hasn't done that in previous release installation.

Run the script to clean up the master configuration.

- a. Back up the Master configuration folder at:

```
<ASG_CONFIG_HOME>\environments\<Environment>\<Gateway Cluster>
\<MASTER_CONFIG>
```

- b. Browse to the following folder:

```
{TIBCO_HOME}\asg\2.3\bin
```

- c. Execute the following command to clean up the Master configuration:

```
asg-config-cleanup <ASG_CONFIG_HOME>\environments\<Environment>\<Gateway
Cluster>\<MASTER_CONFIG>
```

6. *Optional.* If you were using API or operation names with underscores, use the asg-config-cleanup utility to correct the configuration information on the master configuration project for API Exchange Manager (see ASG-7563 in the Closed Issues for more information).

This utility is located in the <ASG_HOME>/bin directory. Run the script to clean up the master configuration.

- a. Back up the Master configuration folder at:

```
<ASG_CONFIG_HOME>\environments\<Environment>\<Gateway Cluster>
\<MASTER_CONFIG>
```

- b. Browse to the following folder:

```
{TIBCO_HOME}\asg\2.3\bin
```

- c. Execute the following command to clean up the Master configuration:

```
asg-config-cleanup <ASG_CONFIG_HOME>\environments\<Environment>\<Gateway
Cluster>\<MASTER_CONFIG> <ASG_CONFIG_HOME>\asg_portal.properties
```

7. Migrate ASG_DefaultImplementation Project Customizations.

You must migrate the ASG_DefaultImplementation project only if you have made any custom changes to the default ASG_DefaultImplementation project to extend the default behavior of Core Engine in a previous release.

If you have made any changes to the ASG_DefaultImplementation Project, redo the changes manually in the ASG_DefaultImplementation project of TIBCO API Exchange Manager 2.3.0.

8. Migrate CDD files.

If you have made any changes to the CDD files, redo the changes manually in the CDD files of TIBCO API Exchange Manager 2.3.0.

9. Migrate TRA files.

You must manually migrate any changes made to the TRA files located in the `ASG_HOME/bin` directory.

If you have made any changes in the TRA files (for example, `ASG_HOME/bin/asg_engine.tra`) in a previous release, redo the changes manually in the TRA files of TIBCO API Exchange Manager 2.3.0.

10. Restart API Exchange Manager and Gateway.

11. Do configuration update push through portal if cleanup was done in [step 5](#).

Push the cleaned up master configuration to all the gateways.

1. Launch Config UI on your browser. You can do one of the following:

- Embedded Config UI:

1. Browse to the **Developer Portal**.
2. Click on **Environments** tab.
3. Select **<Environment>**.
4. Select **Configure** menu option.

- Standalone Config UI:

1. On your browser, go to `<host>:9200/ConfigUI`
2. Select **Advanced Settings**.
3. Select **<Environment>** from the dropdown.
4. Select **Cluster** as **<Gateway>** from the dropdown.
5. In Projects, you can now see your Master configuration project. Click on the **Update** icon.
6. The Update configuration window opens. Select **Cluster** to update all gateways or Gateway for a local gateway.
7. Click **Submit**.

The master configuration is pushed out to the selected cluster or gateway.



If invalid entries in the master configuration were found, the gateway configurations may be different. To resynchronize configurations, complete the subsequent steps:

1. Shut down all running TIBCO applications again.
2. Take a copy of a gateway configuration under the folder: `<ASG_CONFIG_HOME>\<PROJECT_CONFIG>` (For example, using Zip).

Use this to replace the portal config at: `<ASG_CONFIG_HOME>\environments\<Environment>\<Gateway Cluster>\<MASTER_CONFIG>`
3. Restart your TIBCO applications.

Migrating the Adapter Code for TIBCO API Exchange and Joomla!

For information regarding the migration process for the Adapter Code for TIBCO® API Exchange and Joomla! component, see *Adapter Code for TIBCO® API Exchange and Joomla! Release Notes 2.3.0*.

Updating Spotfire Templates

To update to the current Spotfire templates, delete the existing templates and copy or upload the latest Spotfire templates as in a new installation of Spotfire.

Closed Issues

This section lists the issues that were closed in the named releases of TIBCO API Exchange Manager.

Version 2.3.0

The table lists closed issues in version 2.3.0 of TIBCO API Exchange Manager.

Key	Summary
ASG-7839	After upgrading to TIBCO API Exchange 2.2, the Dashboard page showed loading forever due to a problem with MySQL changes.
ASG-7737	Error message received when duplicate operations (API+nickname) occurred.
ASG-7698, ASG-7653	Throttle usage under dashboard was not being updated to reflect correct usage.
ASG-7699	API Explorer performance degraded after upgrading from TIBCO API Exchange 2.1.1 to TIBCO API Exchange 2.2.1 and product had a large number of APIs.
ASG-7690	Could not create API after upgrading from TIBCO API Exchange 2.1.1 HF3 to TIBCO API Exchange 2.2.1.
ASG-7688	Some elements still displayed as undefined in certain swaggers.
ASG-7687	Model was displayed incorrectly, if the model name was the same in two different APIs in the same product.
ASG-7682, ASG-7681, ASG-7649	After upgrading from TIBCO API Exchange 2.1.1 to TIBCO API Exchange 2.2.1, fields other than string are displayed as undefined in the Model/Model schema.
ASG-7652	Plan description section was missing the throttling unit information. Only numbers were displayed.
ASG-7650	Fields in API Explorer Model/Model schema appeared as undefined after upgrading from TIBCO API Exchange 2.1.1 to TIBCO API Exchange 2.2.1
ASG-7633	After swagger spec for Proxy API was deleted, it still showed relevant operations in the underlying CFG files on the Gateway.
ASG-7421	API Explorer showed the same URIs for a product with two APIs having the same Target environment.
ASG-6439	TIBCO API Exchange did not preserve settings for PARTNER > Facade Access > Request Transform and Response Transform which were configured using the Config UI when the proxy settings were modified using TIBCO API Exchange Manager Portal.

Key	Summary
ASG-6391	TIBCO API Exchange Manager did not export the data from Spotfire analytics dashboard to PDF, CSV and PPT formats correctly.
ASG-6287	TIBCO API Exchange Manager threw an exception when the user created or edited more than one target environment containing more than one API.
ASG-6281	TIBCO API Exchange Manager did not allow the user to edit the application after a product had been enabled in the application.
ASG-6230	The value of Partner Timeout in Facade Access tab was reset to 25 seconds when the timeout value was updated using the Config UI from TIBCO API Exchange Manager.
ASG-5902	TIBCO API Exchange Manager threw the "Data truncation: Data too long for column 'content' at row 1" error for mysql database when the portal functions were updated.

Known Issues

The table lists known issues in version 2.3.0 of TIBCO API Exchange Manager.

API Exchange Manager

Key	Summary
ASG-7482	<p>Summary: Under API Explorer, testing API calls is possible by using a particular Application and API key. A multi-API product, that is being used by multiple applications, may exhibit an issue, in which only the first API key will be used from the drop-down box, regardless of API key selection. Only API Explorer is affected by this issue.</p> <p>Workaround: use any REST client, such as Postman, to test the API using the desired API key.</p>