

TIBCO® API Exchange Manager

Release Notes

Software Release 2.1.1

November 2014

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Preface

TIBCO® API Exchange enables the building of API marketplaces, where service providers and consumers come together to create, host, manage, learn about, and use open APIs.

Topics

- [Related Documentation, page vi](#)
- [Typographical Conventions, page viii](#)
- [Connecting with TIBCO Resources, page x](#)

Related Documentation

This section lists documentation resources you might find useful.

TIBCO® API Exchange Documentation

The TIBCO API Exchange Documentation contains:

- *TIBCO API Exchange Concepts*. Read this document to get an overview of TIBCO API Exchange concepts, workflow, and deployment.
- *TIBCO API Exchange Getting Started*. Provides an overview of the tasks required to install, configure, and deploy TIBCO API Exchange.

These documents are included as part of the API Exchange Manager documentation.

TIBCO® API Exchange Gateway Documentation

The following documents form the TIBCO API Exchange Gateway documentation set:

- *TIBCO API Exchange Gateway Installation*. Read this manual for instructions on site preparation and installation.
- *TIBCO API Exchange Gateway User's Guide*. Read this manual for instructions on how to configure and use this product.
- *TIBCO API Exchange Gateway 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.

TIBCO® API Exchange Manager Documentation

- *TIBCO API Exchange Manager Installation*. Read this manual for instructions on site preparation and installation.
- *TIBCO API Exchange Manager Administration*. Read this manual for information on how to set up users and user groups, add APIs, and manage products and plans.
- *TIBCO API Exchange Manager 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 Documentation

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

- Joomla! - See <http://docs.joomla.org>.
- Example project hosted on GitHub: *Adapter Code for TIBCO API Exchange and Joomla!*. See <https://github.com/API-Exchange/JoomlaAdapter/wiki>.




Typographical Conventions

The following typographical conventions are used in this manual.

Table 1 General Typographical Conventions

Convention	Use
<i>ENV_NAME</i> <i>TIBCO_HOME</i> <i>ASG_HOME</i> <i>ASG_CONFIG_HOME</i>	<p>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.</p> <p>An installation environment consists of the following properties:</p> <ul style="list-style-type: none">• Name Identifies the installation environment. This name is referenced in documentation as <i>ENV_NAME</i>. 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 <i>TIBCO_HOME</i>. <p>TIBCO API Exchange installs into a directory within a <i>TIBCO_HOME</i>. This directory is referenced in documentation as <i>ASG_HOME</i>. The default value of <i>ASG_HOME</i> depends on the operating system. For example on linux platform, the value of <i>ASG_HOME</i> is /home/asg/tibcoasg/asg/2.1.</p> <p>TIBCO API Exchange stores the configuration files in a directory which is separate from the installation directory. This directory is referenced in documentation as <i>ASG_CONFIG_HOME</i>. For example on linux platform, the value of <i>ASG_CONFIG_HOME</i> is: /home/asg/tibcoasgconfig/tibco/cfgmgmt.</p>
code font	<p>Code font identifies commands, code examples, filenames, pathnames, and output displayed in a command window. For example:</p> <p>Use MyCommand to start the foo process.</p>
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]

Table 1 General Typographical Conventions (Cont'd)

Convention	Use
<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 BusinessWorks Concepts</i>. • To introduce new terms. For example: A portal page may contain several portlets. <i>Portlets</i> are mini-applications that run in a portal. • To indicate a variable in a command or code syntax that you must replace. For example: <code>MyCommand <i>PathName</i></code>
Key combinations	<p>Key name separated by a plus sign indicate keys pressed simultaneously. For example: <code>Ctrl+C</code>.</p> <p>Key names separated by a comma and space indicate keys pressed one after the other. For example: <code>Esc, Ctrl+Q</code>.</p>
	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.

Connecting with TIBCO Resources

How to Join TIBCOCommunity

TIBCOCommunity 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. TIBCOCommunity 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® API Exchange Manager 2.1.1 is the management component of TIBCO® API Exchange. TIBCO API Exchange is an integrated solution for creating, hosting, and managing open APIs. It is designed to meet the security and web scale requirements of developers who are delivering open APIs to mobile devices and the business needs of companies that want to use open APIs to develop new revenue streams.

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 user name and password. If you do not have a user name, 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 4](#)
- [Deprecated and Removed Features, page 5](#)
- [Migration and Compatibility, page 6](#)
- [Closed Issues, page 7](#)
- [Known Issues, page 8](#)

New Features

The following new features have been added to Version 2.1.1 of TIBCO API Exchange Manager.

Plan Type Routing

API Exchange 2.1.1 supports plan-based routing. When product managers create a product plan, they can now specify a Plan Type. The Plan Type is available as a routing key within the Gateway to direct requests to different target operations.

API Proxy Pass-Through from Portal

When Developer Portal users create an API, they now have the option to create the associated Gateway proxy configuration as well (the default selection is Yes). When a proxy is created using the Developer Portal, a facade, target and routing configuration is automatically created in the Gateway.

For details on setting up the feature, see the *Adapter Code for TIBCO API Exchange and Joomla! Administration* document.

Enhanced SSL Support

Several additional Exchange Gateway channels now support SSL. In addition, with Release 2.1.1, you can set up the API Exchange portal engine and the Developer Portal to communicate using a Secure Sockets Layer (SSL) connection over HTTPS. You can also configure TIBCO Spotfire® to communicate with the Developer Portal over HTTPS.

Reporting

TIBCO API Exchange Gateway extends the host analytics report to display data from ASG_TRANSACTION_KEYS table on the Spotfire dashboard. The following information is displayed.

- **Display Transaction Keys under Gateway Audit Trail** The transaction keys are displayed under the Gateway Audit Trail tab of Spotfire dashboard. For a particular transaction, the transaction key values are displayed for the searchKey key type.

Use the XSLT file in the parsing step of request processing with the key type as searchKey (<key type="searchKey">) to store the searchKey as the transaction key in the ASG_TRANSACTION_KEYS table.

- **Display Transaction Key Value** A new tab has been added on the Spotfire dashboard to view and analyze data from the ASG_TRANSACTION_KEYS table.

Developer Portal

The Developer Portal is a Joomla-based web application that allows portal administrators to set basic configuration, product managers to set up products and applications and add APIs to them, and application developers to subscribe to products and develop and test APIs.

For information on the new features provided with Release 2.1.1 of the Developer Portal, see the *Adapter Code for TIBCO API Exchange and Joomla! Release Notes* document. This document is available on GitHub at the following location:

<https://github.com/API-Exchange/JoomlaAdapter/wiki>

Changes in Functionality

The functionality of the 2.1.1 of TIBCO API Exchange Manager component has been changed to support the new features listed above in [New Features, page 2](#).

TIBCO BusinessEvents and POODLE Vulnerability

TIBCO API Exchange has a number of security transports that utilize secure protocols such as SSL. The POODLE Vulnerability is addressed in the TIBCO API Exchange 2.1.1 release, and there is no mitigation available in versions prior to TIBCO API Exchange 2.1.1.

The following is a list of the components affected in TIBCO API Exchange.

HTTP/s Channels

Both the Release 2.1.1 TIBCO API Exchange Gateway and the TIBCO API Exchange Manager have addressed the POODLE vulnerability by disabling SSLv3 on all HTTP/s Channels used. There is no project migration task related to the POODLE vulnerability for either TIBCO API Exchange Manager or TIBCO API Exchange Gateway using TIBCO API Exchange 2.1.1. Migration of the existing custom extension project is done by updating the project shipped with TIBCO API Exchange 2.1.1, which already has the POODLE issue addressed out of the box as mentioned above.

Migration of the existing custom extension project is done by updating the project shipped with TIBCO API Exchange 2.1.1, which already has the POODLE issue addressed out of the box as mentioned above.

Deprecated and Removed Features

This section describes deprecated and removed features for TIBCO API Exchange Manager

Deprecated Features

Affected Component	Description	Deprecated in Release
Developer Portal	Joomla 3.1.0	2.1.1

Migration and Compatibility

This section explains the migration procedure from any previous release to Version 2.1.1 of TIBCO API Exchange Gateway.

Migration from the Previous Release

Migrating the API Exchange Gateway

For information on the migration process and migration tools for the API Exchange Gateway component, see the *Release Notes for TIBCO API Exchange Gateway, 2.1.1*.

Migrating the API Exchange Manager

You can install Release 2.1.1 of TIBCO API Exchange Manager on top of an existing Release 2.1.0 installation. There are no specific migration or upgrade tasks required for the API Exchange Manager component.

For information on the migration procedure for the TIBCO API Exchange Gateway component, see the *Release Notes for TIBCO API Exchange Gateway, 2.1.1*.

Migrating the Developer Portal

For instructions on migrating the Developer Portal installation from Release 2.1.0 to Release 2.1.1, or from Release 2.1.0 Hotfix 004, see the following document:

Adapter Code for TIBCO API Exchange and Joomla! Release Notes, Version 2.1.1

This document is available on GitHub at the following location:

<https://github.com/API-Exchange/JoomlaAdapter/wiki>

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

The table below lists closed issues in the Developer Portal for Version 2.1.1 of TIBCO API Exchange Manager.

Developer Portal

Key	Summary
ASG-5032	The API Explorer now works with a Swagger resourcePath of <code>"/wsp/rest-services."</code>

Known Issues

The tables below list known issues in Version 2.1.1 of TIBCO API Exchange Manager.

API Exchange Manager

Key	Summary/Workaround
ASG-5908	<p>Summary: Uninstallation of API Exchange Manager 2.1.1 does not work on the Linux Platform when the API Exchange Manager is installed on top of API Exchange Manager 2.1.0 HF-004.</p> <p>Workaround: On Linux platforms, run the installer as follows:</p> <p>In GUI Mode:</p> <pre>./TIBCOUniversalInstaller-lnx-x86-64.bin -V skipDependencyChecks="true"</pre> <p>In Console Mode:</p> <pre>./TIBCOUniversalInstaller-lnx-x86-64.bin -console -V skipDependencyChecks="true"</pre>

Developer Portal

Key	Summary/Workaround
ASG-3844	<p>Summary: When uploading a JSON spec, an intermittent error is seen with the message “.json extension not allowed.”</p> <p>Workaround: Retry the upload.</p>
ASG-5853	<p>Summary: The first time that an HTTPS call is invoked from the API Explorer, a “cross origin request blocked” error is seen.</p> <p>Workaround: Using the Joomla administration utility, provide an instruction for the product section directing users to connect to an URL that they can use to download and install a certificate.</p>
ASG-5951	<p>Summary: When the Spotfire 6.0 Webplayer is configured on SSL, reports can be loaded on Firefox, but are not loaded on Chrome and IE.</p> <p>Workaround: None</p>
