

TIBCO ActiveMatrix BusinessWorks™ Plug-in for REST and JSON

Release Notes

Software Release 2.1.0

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Preface

TIBCO ActiveMatrix BusinessWorks Plug-in for REST and JSON used with TIBCO ActiveMatrix BusinessWorks, allows you to expose TIBCO ActiveMatrix BusinessWorks processes as RESTful web services, invoke RESTful web service APIs, and translate data between JSON and XML formats.

Topics

- [Related Documentation, page vi](#)
- [Typographical Conventions, page vii](#)
- [TIBCO Product Documentation and Support Services, page ix](#)

Related Documentation

This section lists documentation resources you may find useful.

TIBCO ActiveMatrix BusinessWorks Plug-in for REST and JSON Documentation

The following documents form the TIBCO ActiveMatrix BusinessWorks Plug-in for REST and JSON documentation set:

- *TIBCO ActiveMatrix BusinessWorks Plug-in for REST and JSON Installation* Read this manual for instructions on site preparation and installation.
- *TIBCO ActiveMatrix BusinessWorks Plug-in for REST and JSON User's Guide* Read this manual for instructions on using the product.
- *TIBCO ActiveMatrix BusinessWorks Plug-in for REST and JSON 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 may find it useful to read the documentation for the following TIBCO products:

- TIBCO ActiveMatrix BusinessWorks™
- TIBCO Administrator™
- TIBCO Designer™
- TIBCO Enterprise Message Service™
- TIBCO Hawk®
- TIBCO Rendezvous®
- TIBCO Runtime Agent™




Typographical Conventions

The following typographical conventions are used in this manual.

Table 1 General Typographical Conventions

Convention	Use
<i>ENV_NAME</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>.
<i>TIBCO_HOME</i>	
<i>RESTJSON_HOME</i>	<p>TIBCO ActiveMatrix BusinessWorks Plug-in for REST and JSON is installed into a directory within <i>TIBCO_HOME</i>. This directory is referenced in documentation as <i>RESTJSON_HOME</i>. The default value of <i>RESTJSON_HOME</i> depends on the operating system. For example, on Windows systems, the default value is C:\tibco\bw\plugins\restjson.</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: Ctrl+C.</p> <p>Key names separated by a comma and space indicate keys pressed one after the other. For example: Esc, Ctrl+Q.</p>
	<p>The note icon indicates information that is of special interest or importance, for example, an additional action required only in certain circumstances.</p>
	<p>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.</p>
	<p>The warning icon indicates the potential for a damaging situation, for example, data loss or corruption if certain steps are taken or not taken.</p>

TIBCO Product Documentation and Support Services

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

How to Access TIBCO Documentation

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

The TIBCO Product Documentation website is updated frequently and is more current than any other documentation included with the product. To access the latest documentation, visit <https://docs.tibco.com>.

How to Contact TIBCO Support

You can contact TIBCO Support in the following ways:

- For an overview of TIBCO Support, visit <https://www.tibco.com/services/support>.
- For accessing the Support Knowledge Base and getting personalized content about products you are interested in, visit the TIBCO Support portal at <https://support.tibco.com>.
- For creating a Support case, you must have a valid maintenance or support contract with TIBCO. You also need a user name and password to log in to <https://support.tibco.com>. If you do not have a user name, you can request one by clicking **Register** on the website.

How to Join TIBCO Community

TIBCO Community is the official channel for TIBCO customers, partners, and employee subject matter experts to share and access their collective experience. TIBCO Community offers access to Q&A forums, product wikis, and best practices. It also offers access to extensions, adapters, solution accelerators, and tools that extend and enable customers to gain full value from TIBCO products. In addition, users can submit and vote on feature requests from within the [TIBCO Ideas Portal](https://community.tibco.com). For a free registration, go to <https://community.tibco.com>.

Release Notes

This document includes release notes for TIBCO ActiveMatrix BusinessWorks™ Plug-in for REST and JSON, Software Release 2.1.0.

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 for 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](#)
- [Closed Issues, page 6](#)
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New Features

The following new features have been added to version 2.1.0 of TIBCO ActiveMatrix BusinessWorks™ Plug-in for REST and JSON.

Third-Party Software Bundle

This release supports the following third-party software bundles:

Jersey 2.x library version jaxrs-ri-2.25.1

OAuth library version 2.25.1

Swagger 2 library version swagger-codegen-2.2.3

Support for Swagger 2.0 specification

This release supports Swagger 2.0 specification.

Support for PATCH method

This release supports PATCH request method in the Invoke REST API activity.

Changes in Functionality

The following are changes in functionality in version 2.1.0 of TIBCO ActiveMatrix BusinessWorks Plug-in for REST and JSON.

Swagger specification

The functionality changes in Swagger specification are as follows:

- Invoke REST API activity supports Swagger 1.2 and 2.0 specifications.
- REST Dispatch and Reply activity and Swagger Tools support only Swagger 2.0 specification.

Deprecated and Removed Features

No features are deprecated or removed in version 2.1.0 of TIBCO ActiveMatrix BusinessWorks Plug-in for REST and JSON.

Migration and Compatibility

The following are instructions on how to migrate from a previous release to version 2.1.0 of TIBCO ActiveMatrix BusinessWorks Plug-in for REST and JSON.

When you open a project that contains the Invoke REST API activity in TIBCO Designer, you have to click **Apply** in the Configuration tab of the activity, and then save the project.



Before migrating TIBCO ActiveMatrix BusinessWorks™ Plug-in for REST and JSON from an earlier version to version 2.1.0, you have to uninstall the earlier version plug-in, and then install the version 2.1.0 plug-in.

Closed Issues

There are no closed issues in version 2.1.0 of TIBCO ActiveMatrix BusinessWorks Plug-in for REST and JSON.

Known Issues

The table lists known issues in version 2.1.0 of TIBCO ActiveMatrix BusinessWorks Plug-in for REST and JSON.

Key	Summary/Workaround
REST-224	<p>Summary When using the JSON tool to generate an XML schema file with the given JSON file, if namespaces are contained in the JSON file, the generated XSD is incorrect.</p> <p>Workaround None.</p>
REST-1378	<p>Summary When swagger file is being generated from older versions, unable to parse "authorizations" field of type "Array". Earlier, "authorizations" field being generated was of type "Array i.e. []" while as per specification it should be of type "Object i.e. { }". The new implementation supports as per specification.</p> <p>Workaround Replace/Change type of "authorizations" field from Array to Object.</p>

