

# **TIBCO ActiveMatrix BusinessWorks™ Plug-in for REST and JSON**

## **Installation**

*Software Release 2.1  
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# Preface



**This software may be available on multiple operating systems. However, not all operating system platforms for a specific software version are released at the same time. See the readme file for the availability of this software version on a specific operating system platform.**

TIBCO ActiveMatrix BusinessWorks Plug-in for REST and JSON plugs into TIBCO ActiveMatrix BusinessWorks and can be installed separately. You can use this plug-in to expose BusinessWorks processes as RESTful Web Services, invoke REST Web services, and provide an extensible framework for JSON data exchange.

## Topics

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

## Related Documentation

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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>	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.
<i>TIBCO_HOME</i>	
	An installation environment consists of the following properties:
	<ul style="list-style-type: none"> <li>• <b>Name</b> 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 &gt; All Programs menu.</li> <li>• <b>Path</b> The folder into which the product is installed. This folder is referenced in documentation as <i>TIBCO_HOME</i>.</li> </ul>
<i>RESTJSON_HOME</i>	<i>TIBCO ActiveMatrix BusinessWorks Plug-in for REST and JSON</i> installs into a directory within a <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.
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.
<b>bold code font</b>	Bold code font is used in the following ways: <ul style="list-style-type: none"> <li>• In procedures, to indicate what a user types. For example: Type <b>admin</b>.</li> <li>• In large code samples, to indicate the parts of the sample that are of particular interest.</li> <li>• In command syntax, to indicate the default parameter for a command. For example, if no parameter is specified, MyCommand is enabled: MyCommand [<b>enable</b>   disable]</li> </ul>

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"><li>• To indicate a document title. For example: See <i>TIBCO ActiveMatrix BusinessWorks Concepts</i>.</li><li>• To introduce new terms. For example: A portal page may contain several portlets. <i>Portlets</i> are mini-applications that run in a portal.</li><li>• To indicate a variable in a command or code syntax that you must replace. For example: <code>MyCommand <i>PathName</i></code></li></ul>
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>



## Connecting with TIBCO Resources

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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](#). For a free registration, go to <https://community.tibco.com>.



## Chapter 1      **Installation Introduction**

This chapter explains installation modes, components, and requirements.

### Topics

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- [Installation Overview, page 2](#)
- [Installation Requirements, page 4](#)

## Installation Overview

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The TIBCO Universal Installer is used to install and uninstall TIBCO ActiveMatrix BusinessWorks Plug-in for REST and JSON.

### Installation Modes

You can run the TIBCO Universal Installer in the GUI, console, or silent mode. Each mode is supported on all platforms.

#### GUI Mode

In the GUI mode, you can use the installation wizard to select a product, product location, and so on.

#### Console Mode

In the console mode, you can run the installer on the command line. This is useful if your machine does not have a GUI environment.

#### Silent Mode

In the silent mode, the installer installs the product without prompting you for information. The installer uses either default or custom settings that are saved in a response file.

### Installation Environment

An installation environment isolates product installations. A product installed into an installation environment does not access components in other installation environments.

An installation environment is the top-level installation directory for TIBCO products. An installation environment consists of the following properties:

- **Directory:** identifies the name of the directory where the product is installed. This directory is referred to as *TIBCO\_HOME*.
- **Name:** identifies the installation environment. On Microsoft Windows, the name is a component of the path to the product shortcut in the Windows **Start > All Programs** menu.

You must install IBCO ActiveMatrix BusinessWorks Plug-in for REST and JSON into an existing *TIBCO\_HOME* where TIBCO Rendezvous, TIBCO ActiveMatrix BusinessWorks, and TIBCO Runtime Agent are already installed. On Microsoft Windows, the default value of *TIBCO\_HOME* is *C:\tibco*.

## Installation Components

Different installation components associate with different functions. You can use the installer to select the components to be installed during the installation.

The following installation components are available for the product:

- **Runtime** This component does the actual work of passing and converting data to and from the vendor application.
- **Documentation** This component is required for context sensitive help. The documentation of the product is installed in the *TIBCO\_HOME\bw\plugins\restjson\doc* directory.

## Installer Log File

An installer log file is created during the installation that captures installation environment details, such as the user that invoked the installer, host name, operating system details, list of assemblies installed, and so on.

The location of the log file depends on the platform, as follows:

### Microsoft Windows

*User\_Home\TIBCO\install\_Identifier*

where *Identifier* is the date and time the product was installed, and a unique number used to identify this particular installation.

For example:

*C:\Documents and Settings\franko\TIBCO\install\_03-02-2014.132827*

### UNIX

*\$Home/.TIBCO/install\_Identifier*

where *Identifier* is the date and time the product was installed, and a unique number used to identify this particular installation.

For example:

*/home/user1/.TIBCO/install\_03-02-2014.134908*

# Installation Requirements

Before you run the installer, ensure that you meet all the hardware and software requirements and you have appropriate privileges to run the installer.

## Installer Account

Ensure that you have the appropriate privileges, depending on the platform on which you are installing.

Table 2 *Installer Account Privilege*

Platform	Account Privileges
Microsoft Windows	<p>You must have administrator privileges for the machine on which this product is installed. If you do not have administrator privileges, the installer exits. You must then log out of the system and log in as a user with the required privileges, or request that your system administrator assign the privileges to your account.</p> <p>To install the product on a network drive, ensure that the account used for installation has permission to access the network drive.</p>
UNIX	<p>Any type of user, regular (non-root) user and super-user (root), can perform the installation. When installing this product on UNIX platforms, ensure that the same installer account is used to install all TIBCO ActiveMatrix BusinessWorks products.</p> <p>A graphic environment such as CDE or X Windows is required to run the installer in GUI mode.</p>

## Hardware and Software Requirements

For information about the hardware and software requirements, as well as supported platforms, see the product readme file.

The readme can be obtained either on the TIBCO doc site (<https://docs.tibco.com>) or from the TIBCO eDelivery site (<https://edelivery.tibco.com>) with the product software.

To access the TIBCO eDelivery site, you will need a user name and password. If you did not receive a user name and password, contact TIBCO Technical Support.

## Chapter 2      **Installation**

This chapter explains how to install TIBCO ActiveMatrix BusinessWorks Plug-in for REST and JSON.

### Topics

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- [Installing in the GUI Mode, page 6](#)
- [Installing in the Console Mode, page 7](#)
- [Installing in the Silent Mode, page 8](#)

## Installing in the GUI Mode

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When you run the installer in the GUI mode, it prompts you for information about the installation environment, and allows other customization.

To install this product in the GUI mode:

1. Open the physical media or download the package from the TIBCO eDelivery site (<https://edelivery.tibco.com>).  
 To access the TIBCO eDelivery site, you will need a user name and password. If you do not receive a user name and password, contact TIBCO Technical Support.
2. Extract the contents of the package to a temporary directory.
3. Start the TIBCO Universal Installer:
  - On Microsoft Windows, double-click `TIBCOUniversalInstaller.exe`.
  - On UNIX, run `TIBCOUniversalInstaller-platform_acronym.bin`.
4. In the **Welcome** dialog, click **Next**.
5. Read through the license text, click **I accept the terms of the license agreement**, and then click **Next**.  
 Or if you do not agree to the terms of the license agreement, click **Cancel** to exit the installation process.
6. In the **TIBCO Installation Home** dialog, click **Use an existing TIBCO\_HOME**, and then choose the appropriate `TIBCO_HOME` from the list. Click **Next**.  
 For more information, see [Installation Environment on page 2](#).
7. In the **Installation Profile Selection** dialog, select Typical installation profiles to specify the installation components to be installed, or select the **Customize Installation** check box to explicitly select the installation components, and then click **Next**.  
 For more information, see [Installation Components on page 3](#).
8. Review the information in the **Pre-Install Summary** dialog, and then click **Install** to start the installation process.
9. When the installation completes, review the information in the **Post-Install Summary** dialog, and then click **Finish** to complete the installation process and exit the installer.



## Installing in the Console Mode

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In the console mode, the TIBCO Universal Installer is run from the command line.

To install this product in the console mode:

1. Open the physical media or download the package from the TIBCO eDelivery site (<https://edelivery.tibco.com>).

To access the TIBCO eDelivery site, you will need a user name and password. If you do not receive a user name and password, contact TIBCO Technical Support.

2. Extract the contents of the package to a temporary directory.
3. On the command line, navigate to the temporary directory to which you extract the installation package.

4. Enter the appropriate command to start the installation. For example:

— Microsoft Windows: `TIBCOUniversalInstaller.cmd -console`

— UNIX: `./TIBCOUniversalInstaller-platform_acronym.bin -console`

5. Respond to the messages on the command line.

See [Installing in the GUI Mode on page 6](#) for information about the messages.

6. When the installation completes, press Enter to exit the installer.

## Installing in the Silent Mode

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In the silent mode, you can run the installer without user input by pointing the installer to an existing response file, which contains installation parameters.

A default response file is included with the product. You can edit the response file with information about your environment before launching the silent installation. The name of the default response file is:

`TIBCOUniversalInstaller_bwpluginrestjson_version.silent`

The best practice is to make a copy of the default response file, and then edit that file and use it for the installation.

If you invoke the TIBCO Universal Installer with only the `-silent` argument, the installer reads the input from the default response file.

If you make a copy of the default response file, and rename it, you must provide the name of the response file when invoking the installer. This is done by passing the following arguments on the command line:

`-silent -V responseFile="filename.silent"`

where *filename* is the name you gave the response file.

To install this product in the silent mode:

1. Open the physical media or download the package from the TIBCO eDelivery site (<https://edelivery.tibco.com>).

To access the TIBCO eDelivery site, you will need a user name and password. If you do not receive a user name and password, contact TIBCO Technical Support.

2. Extract the contents of the package to a temporary directory.
3. Navigate to the temporary directory to which you extract the installation package.
4. Make a copy of the default response file, open the copy with a text editor, and then update the parameters.

— Update the install location. TIBCO ActiveMatrix BusinessWorks Plug-in for REST and JSON must be installed in the same directory where TIBCO Runtime Agent and TIBCO ActiveMatrix BusinessWorks are installed. The default location is:

```
<entry key="installationRoot">C:\tibco</entry>
```

— Update *ENV\_NAME*. TIBCO ActiveMatrix BusinessWorks Plug-in for REST and JSON must use be installed in the same directory where TIBCO products are used. For example:

```
<entry key="environmentName">bwpluginrestjson</entry>
```

5. Enter the following command to start the installation. For example, if you have copied the response file and saved it as `MyResponseFile.silent`:

— Microsoft Windows:

```
TIBCOUniversalInstaller.cmd -silent -V responseFile="MyResponseFile.silent"
```

— UNIX:

```
TIBCOUniversalInstaller-platform_acronym.bin -silent -V responseFile="MyResponseFile.silent"
```



If you copy the response file to a directory other than the temporary directory containing the installer, you need to provide the absolute path of the response file.



## Chapter 3      **Uninstallation**

This chapter explains how to uninstall TIBCO ActiveMatrix BusinessWorks Plug-in for REST and JSON.

### Topics

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- [Uninstalling in the GUI Mode, page 12](#)
- [Uninstalling in the Console Mode, page 13](#)

## Uninstalling in the GUI Mode

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Using the TIBCO Universal Installer, you can uninstall all products in a particular *TIBCO\_HOME*, or you can uninstall specific products that have been installed in a *TIBCO\_HOME*.

To uninstall this product in the GUI mode:

1. Navigate to the *TIBCO\_HOME/tools/universal\_installer* directory.
2. Start the TIBCO Universal Installer:
  - On Microsoft Windows, double-click `TIBCOUniversalInstaller.exe`.
  - On UNIX, run `TIBCOUniversalInstaller-platform_acronym.bin`.
3. Select **Uninstall Products from a TIBCO Home Location**.
4. In the **TIBCO Home Location** field, select the *TIBCO\_HOME* in which the product is installed, and then click **Next**.
5. In the **Welcome** dialog, click **Next**.
6. In the **Uninstallation Type** dialog, select one of the following options, and then click **Next**.
  - **Custom Uninstall** Removes the products that you select in [step 7](#).
  - **Typical Uninstall** Removes all the products in the *TIBCO\_HOME* you selected. If you select this option, proceed to [step 8](#).
7. Select the products to be uninstalled, and then click **Next**.
8. Review the products to be uninstalled, and then click **Uninstall**.
9. In the **Post-Uninstall Summary** dialog, click **Finish** to exit the uninstall wizard.
10. If you have uninstalled all the software in *TIBCO\_HOME*, delete the folders in the installation environment and user home.

## Uninstalling in the Console Mode

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In the console mode, you can uninstall the product from the command line.

To uninstall this product in the console mode:

1. Open the physical media or download the package from the TIBCO eDelivery site (<https://edelivery.tibco.com>).

To access the TIBCO eDelivery site, you will need a user name and password. If you do not receive a user name and password, contact TIBCO Technical Support.

2. Extract the contents of the package to a temporary directory.
3. On the command line, navigate to the temporary directory to which you extract the installation package.

4. Enter the appropriate command to start the uninstallation. For example:

— Microsoft Windows: `TIBCOUniversalInstaller.cmd -console`

— UNIX: `./TIBCOUniversalInstaller-platform_acronym.bin -console`

5. Respond to the messages on the command line.

See [Uninstalling in the GUI Mode on page 12](#) for information about the messages.

6. When the uninstallation completes, press Enter to exit the installer.





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