

TIBCO ActiveMatrix® Adapter for Files for Unix/Win

Release Notes

*Software Release 7.0.0
November 2014*

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Preface

This manual describes new and changed features, and it also lists closed issues and known issues for this release.

Topics

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

Related Documentation

This section lists documentation resources you may find useful.

TIBCO ActiveMatrix Adapter for Files for Unix/Win Documentation

The following documents form the TIBCO ActiveMatrix Adapter for Files for Unix/Win documentation set:

- *TIBCO ActiveMatrix Adapter for Files for Unix/Win Concepts* Read this manual to gain an understanding of adapters in general, which you can apply to the various tasks you may undertake.
- *TIBCO ActiveMatrix Adapter for Files for Unix/Win Installation* Read this manual for instructions on site preparation and installation.
- *TIBCO ActiveMatrix Adapter for Files for Unix/Win Configuration and Deployment* This manual explains how to create and configure adapter projects. Information on deploying adapter projects is also included.
- *TIBCO ActiveMatrix Adapter for Files for Unix/Win Examples* Read this manual to work through the examples provided with the adapter.
- *TIBCO ActiveMatrix Adapter for Files for Unix/Win Release Notes* Read this document for information about new features, deprecated features, and open and closed issues.

Other TIBCO Product Documentation

You may find it useful to read the documentation for the following TIBCO products:

Table 1 TIBCO Products

TIBCO Product	Description
TIBCO ActiveMatrix BusinessWorks™	This product provides an integration platform that enables companies to rapidly integrate systems and automate business processes.

Table 1 TIBCO Products (Cont'd)

TIBCO Product	Description
TIBCO ActiveMatrix [®] Adapter Framework	This product provides a visual, model-driven development environment for configuring supported TIBCO adapters in TIBCO Business Studio and integrating them with TIBCO ActiveMatrix BusinessWorks applications and processes. The product also provides administration capabilities for deploying the TIBCO adapters developed in TIBCO Business Studio to runtime environments.
TIBCO [®] Adapter SDK	This product provides a class library that helps developers to implement an adapter with minimal effort.
TIBCO Designer [™]	This product provides a graphical user interface to create TIBCO ActiveMatrix BusinessWorks process definitions, or create or modify TIBCO Adapter configurations.
TIBCO Administrator [™]	This product is designed to manage users, monitor machines and deploy applications that use TIBCO products.
TIBCO Enterprise Message Service [™]	This product sends messages from your applications in a format that conforms to the Java Messaging Service (JMS) specification.
TIBCO Hawk [®]	This product is used to monitor and manage distributed applications and systems throughout the enterprise.
TIBCO Rendezvous [®]	This product uses messages to enable distributed application programs to communicate across a wide variety of hardware platforms and programming languages.
TIBCO Runtime Agent [™]	This product is a bundle of TIBCO software and third-party software that is required to run many TIBCO applications such as TIBCO ActiveMatrix BusinessWorks, TIBCO Adapters, and so on.

Typographical Conventions

The following typographical conventions are used in this manual.

Table 2 General Typographical Conventions

Convention	Use
<i>ENV_NAME</i> <i>TIBCO_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>. The default value is <i>TIBCO_HOME</i>.• Directory The folder into which the product is installed. This folder is referenced in documentation as <i>TIBCO_HOME</i>.
<i>TIB_ADFILES_HOME</i>	<p>TIBCO ActiveMatrix Adapter for Files for Unix/Win is installed into a directory within a <i>TIBCO_HOME</i> directory. This directory is referenced in documentation as <i>TIB_ADFILES_HOME</i>. The default value of <i>TIB_ADFILES_HOME</i> depends on the operating system. For example, on Windows systems, the default value is <code>C:\tibco\adapter\adfiles\ReleaseNumber</code>.</p>
<code>code font</code>	<p>Code font identifies commands, code examples, filenames, pathnames, and output displayed in a command window. For example:</p> <p>Use <code>MyCommand</code> 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, <code>MyCommand</code> is enabled: <code>MyCommand [enable disable]</code>

Table 2 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 names 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>
	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.

Table 3 Syntax Typographical Conventions

Convention	Use
[]	<p>An optional item in a command or code syntax.</p> <p>For example:</p> <p>MyCommand [optional_parameter] required_parameter.</p>
	<p>A logical OR that separates multiple items of which only one may be chosen.</p> <p>For example, you can select only one of the following parameters:</p> <p>MyCommand param1 param2 param3.</p>
{ }	<p>A logical group of items in a command. Other syntax notations may appear within each logical group.</p> <p>For example, the following command requires two parameters, which can be either the pair param1 and param2, or the pair param3 and param4.</p> <p>MyCommand {param1 param2} {param3 param4}</p> <p>In the next example, the command requires two parameters. The first parameter can be either param1 or param2 and the second can be either param3 or param4:</p> <p>MyCommand {param1 param2} {param3 param4}</p> <p>In the next example, the command can accept either two or three parameters. The first parameter must be param1. You can optionally include param2 as the second parameter. And the last parameter is either param3 or param4.</p> <p>MyCommand param1 [param2] {param3 param4}.</p>

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:

<https://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 username and password. If you do not have a username, you can request one.

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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 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 7](#)
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New Features

The following new features have been added to version 7.0.0 of TIBCO ActiveMatrix Adapter for Files for Unix/Win.

Enabling Log4J Log

The adapter supports Log4j logging. You can configure the Log4j logging at the adapter service level or adapter service instance level. To modify the log level without recycling the adapter, use the `refreshExtendedLogging()` method.

Enabling Fault Tolerance

This release adds support for fault tolerance.

Supported Platforms

This release adds support for Windows Server 2012, Windows Server 2012 R2, Solaris 11, and Solaris SPARC 11.

Changes in Functionality

The following are changes in functionality in version 7.0.0 of TIBCO ActiveMatrix Adapter for Files for Unix/Win.

Installation

The following changes in functionality are related to installation:

- For those platforms where 32-bit and 64 bit support are available, only one installer package is available for both 32-bit and 64-bit for each platform.
- The adapter is Java-based and requires the SDK Java libraries.

Publication Service and Subscription Service

The following changes in functionality are related to Publication Service and Subscription Service.

- **Handling Files Containing A Large Number of Records** In this release, Publication Service can process files with a large number of records using multiple threads.
- **Handling IO Errors** When IO errors occur, Publication Service exits; Subscription Service does not confirm the message and exits by default. When you set the `adfiles.io.sub.exit4issue` property to OFF, Subscription Service confirms the message and continues to process other messages regardless of the IO errors.
- **Handling MBusiness Documents** Messages are compressed when the `adfiles.JMSCompress` property is turned on for Publication Service.

Deprecated and Removed Features

The following table lists any features that have been deprecated or removed for version 7.0.0 of TIBCO ActiveMatrix Adapter for Files for Unix/Win.

For deprecated features, if relevant, useful alternatives to the deprecated features are listed. Any use of a deprecated feature should be discontinued as it may be removed in a future release. You should avoid becoming dependent on deprecated features and become familiar with the suggested alternative features.

Deprecated Features

No features are deprecated in this release.

Removed Features

Affected Component	Description	Deprecated in Release	Removed in Release
ECM Mode	This release removes the Simple File Transfer mode with Explicit Confirmation Mode (ECM).	7.0.0	7.0.0
Synchronous Mode	This release removes the synchronous mode for Publication Service.	7.0.0	7.0.0

Migration and Compatibility

The following are instructions on how to migrate from a previous release to version 7.0.0 of TIBCO ActiveMatrix Adapter for Files for Unix/Win.

TIBCO ActiveMatrix Adapter for Files for Unix/Win 7.0.0 has been migrated from C++ to Java. As a result, any configuration related to removed features is discarded during migration.



Make a backup copy of the project before starting the migration process.



The information described in this section is strictly for TIBCO Designer configurations. For information concerning configurations using TIBCO Business Studio, refer to the TIBCO ActiveMatrix Adapter Framework documentation.

Migrating from 6.2.x to 7.0.0

You can migrate projects in version 6.2.x to version 7.0.0 directly. When migrating the adapter from version 6.2.x to version 7.0.0, consider these points:

- If installing TIBCO ActiveMatrix Adapter for Files for Unix/Win 7.0.0 in the same *TIBCO_HOME* containing TIBCO ActiveMatrix Adapter for Files for Unix/Win 6.2.x for development, you need to uninstall TIBCO ActiveMatrix Adapter for Files for Unix/Win 6.2.x prior to installing TIBCO ActiveMatrix Adapter for Files for Unix/Win 7.0.



If you need to migrate versions earlier than 6.2.x, and need to migrate them to 6.2.x first, it is recommended that you do not uninstall the 6.2.x version until you have migrated all necessary configurations to version 6.2.x successfully.

- TIBCO ActiveMatrix Adapter for Files for Unix/Win 7.0.0 can exist in the same TIBCO Administrator domain as TIBCO ActiveMatrix Adapter for Files for Unix/Win 6.2.x, where the domain can either be ISO8859-1 or UTF-8.
- Test compatibility and make sure the migration has no impact on the current product environment.
- Make sure no pending tasks in the previous version before migrating to version 7.0.0.
- Make sure no validation errors exist in the project before migrating.
- Contact TIBCO Support and send the logs if you encounter compatibility issues at runtime.

Migrating A Project

To migrate a project from previous release to version 7.0.0, you need to open the previous project in Designer. If the project only exists as a ZIP archive file, you need to create a new project and import the archive file.

To import a ZIP archive file, complete the following steps:

1. Open TIBCO ActiveMatrix Adapter for Files for Unix/Win 6.2.x in TIBCO Designer, and export the project as a ZIP file by clicking **Project > Export Full Project**.
2. In the Export Project window, click the **ZIP Archive** tab, enter the directory and the name for the ZIP file. Or click **Browser**.
3. Click **OK**.
4. Open TIBCO ActiveMatrix Adapter for Files for Unix/Win 7.0.0 in TIBCO Designer.
5. Import the ZIP file by clicking **Project > Import Full Project**.
6. In the Import Project window, click the **ZIP Archive** tab, enter the directory and the name for the ZIP file. Or click **Browser**.
7. Click **OK**.
8. In the Import - Option window, select **Replace existing global variables with those in import** and **Overwrite on name conflict**. Click **Apply**.
9. From the **Project** menu, click **Project > Save**.



You can also save the 6.2.x project and open it in version 7.0.0, or export the 6.2.x project as a DAT file and import the DAT file to version 7.0.0.

Migrating from Versions Earlier than 6.2.x to Version 7.0.0

If you migrate a project earlier than version 6.2.x, you need to migrate the project to version 6.2.1 before migrating it to version 7.0.0.

The adapter 6.2.1 release can be obtained on the TIBCO download site.

Closed Issues

There are no closed issues to report in version 7.0.0 of TIBCO ActiveMatrix Adapter for Files for Unix/Win.

Known Issues

The table lists known issues in version 7.0.0 of TIBCO ActiveMatrix Adapter for Files for Unix/Win.

Key	Summary/Workaround
AFIL-2632	<p>Summary: In the Simple File Transfer mode, adding or modifying UserID or TrackingID in the Rendezvous trigger message does not work.</p> <p>Workaround: If you want to add or modify UserID in the trigger message, you can do it in either of the following ways:</p> <ul style="list-style-type: none">• Use the JMS transport instead of the Rendezvous transport;• Add an <code>adfiles.InstanceName.PublicationService.UserId</code> (or <code>adfiles.InstanceName_PublicationService_UserId</code>) property in the TRA file, and set a value to it. <p>Note: Adding a property in the TRA file works only when the Life Cycle is Once-only, or the Polling Method is Timer for the repeating Life Cycle.</p>
AFIL-2092	<p>Summary: The Append message to file, Close on jmsMessage option does not work for the WIP creation mode in Subscription Service.</p> <p>Workaround: You can select Append message to file, Close on rvMessage from the WIP Creation Mode list for Subscription Service.</p>