TIBCO ActiveMatrix® Adapter Framework Release Notes

Software Release 1.3.2
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TIBC®

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TIBCO Documentation and Support Services

How to Access TIBCO Documentation

Documentation for TIBCO products is available on the TIBCO Product Documentation website, mainly in 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.

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/release_notes/TIB_adapteruipack_*version*_docinfo.html

where *TIBCO_HOME* is the top-level directory in which TIBCO products are installed. On Windows, the default *TIBCO_HOME* is `C:\Program Files\tibco`. On UNIX systems, the default *TIBCO_HOME* is `/opt/tibco`.

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

- *TIBCO ActiveMatrix Adapter Framework Administration*
- *TIBCO ActiveMatrix Adapter Framework Reference*
- *TIBCO ActiveMatrix Adapter Framework Installation*
- *TIBCO ActiveMatrix Adapter Framework Release Notes*

How to Contact TIBCO Support

You can contact TIBCO Support in the following ways:

- For an overview of TIBCO Support, visit http://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.

New Features

The following new features have been added to version 1.3.2 of TIBCO ActiveMatrix® Adapter Framework.

Support for additional databases with TIBCO Enterprise Messaging Server (EMS) for persistence and transport

This release supports the below additional databases with TIBCO Enterprise Messaging Service for persistence and transport.

- Microsoft SQL Server 2012, 2014, and 2016
- PostgreSQL 9.5.x, 9.6.x, and 10.0
- Oracle Database 11g 11.2.x (for IBM AIX only)

Changes in Platform Support

The following are changes in platform support in version 1.3.2 of TIBCO ActiveMatrix Adapter Framework. For a complete list of all the currently supported platforms, refer to the Readme file.

Platform	Status	As of Release	Notes
IBM AIX 7.1 and 7.2 64-bit on pSeries	Added	1.3.2	Support for runtime only
Microsoft Windows 10 64-bit on x86-64	Added	1.3.2	
Microsoft Windows Server 2016 64-bit on x86-64	Added	1.3.2	

Changes in Functionality

There are no changes in functionality in version 1.3.2 of TIBCO ActiveMatrix Adapter Framework.

Deprecated and Removed Features

The following tables list any features that have been deprecated or removed as of version 1.3.2 of TIBCO ActiveMatrix Adapter Framework.

For deprecated features, if relevant, useful alternatives are listed. Any use of a deprecated feature should be discontinued because it might be removed in a future release. To avoid becoming dependent on deprecated features, ensure that you become familiar with the suggested alternative features.

Deprecated Features

Affected Component	Description	Deprecated Release	Removed Release
ActiveSpaces for adapteragent	Support of ActiveSpaces for adapteragent for persistence and transport is deprecated.	1.3.1	None

Removed Features

Affected Component	Description	Deprecated Release	Removed Release
Registeragent	Registeragent command is removed	None	1.3.1
TIBCO ActiveMatrix Adapter Framework	Support for TIBCO ActiveMatrix® Adapter for LDAP and TIBCO ActiveMatrix® Adapter for IBM i is removed.	None	1.3.0
Publication Service, Subscription Service, Request-Response Invocation Service, and Request-Response Service	Rendezvous message wire format is removed.	None	1.2.0

Migration and Compatibility

The following are instructions on how to migrate a project from a previous release to version 1.3.2 of TIBCO ActiveMatrix Adapter Framework.

To use projects created in TIBCO ActiveMatrix Adapter Framework 1.3.0 and 1.3.1, import the projects to TIBCO ActiveMatrix Adapter Framework 1.3.2. For more details about the import procedures, see the TIBCO ActiveMatrix BusinessWorks documentation.

Migration from ActiveSpaces to database with TIBCO Enterprise Messaging Server (EMS) for domains is not supported.

Support for IBM AIX

You must do the following to complete the Adapter Framework installation process on IBM AIX platform:

- Before installing Adapter Framework, download IBM JRE 1.8.0u144 or higher from the IBM website.

- You must specify the location of the downloaded IBM JRE 1.8.0u144, during the installation of Adapter Framework.

   The JRE folders installed under TIBCO_HOME/tibcojre64 are not compatible and cannot be used for IBM AIX platform.

After installing Adapter Framework, you must update the *TIBCO_JAVA_HOME* environment variable in the TIBCO_HOME/afx/1.3/bin/adaptercommon.tra file with the absolute path where the IBM JRE is installed.

Support for Oracle Database 11g 11.2.x on IBM AIX

To use the Oracle Database 11g 11.2.x on IBM AIX platform, you must execute the SQL script TIBCO_HOME/afx/1.3/config/dbscripts/oracle/oracle11g_create.sql on the database before running adapteragent for the first time.

Closed Issues

There are no closed issues in version 1.3.2 of TIBCO ActiveMatrix Adapter Framework.

Known Issues

The table lists known issues as of version 1.3.2 of TIBCO ActiveMatrix Adapter Framework.

Key	Summary
ADF-3473	**Summary:** When you upgrade the TIBCO ActiveMatrix Adapter Framework from version 1.3.1 to 1.3.2, installation process is showing error with ANT task failure. **Workaround:** You must manually uninstall the earlier version before installing the latest version of Adapter Framework.
ADF-3416	**Summary:** The Adapter palette document link points to the 1.3.0 version. **Workaround:** To point the help links to the correct version of the documentation, customize the context sensitive help preferences in TIBCO Business Studio. Procedure: 1. In TIBCO Business Studio, click **Window** > **Preferences**. On Mac OS X, click **TIBCO Business Studio** > **Preferences**. 2. In the Preferences dialog box, click **BusinessWorks** > **Help**. 3. Select **Custom Location** and provide the URL: `https://docs.tibco.com/go/adapteruipack/1.3.1/doc/html`. 4. Click **Apply** and then click **OK**.
ADF-3409	**Summary:** For AdapterAgent with persistence type of DB/EMS, when starting an appspace containing multiple adapternodes, the status of the appspace is incorrect. **Workaround:** None
ADF-3368	**Summary:** For SSL configuration of adapter services, the verify remote host name is not working properly during design-time. **Workaround:** None
ADF-3365	**Summary:** For SSL configuration of adapter services, external certificates cannot be referenced and only certificates available from the project can be used. **Workaround:** None
ADF-3358	**Summary:** The option `-minNodes` used in creating adapterNodes from AdapterAdmin does not work when AdapterAgent is configured using persistent type DB/EMS. **Workaround:** Manually create the required number of AdapterNodes.
ADF-3332	**Summary:** When migrating a BW5 project containing AE palette activities where JMS is used, the reference to the JMS shared resource does not get updated correctly. **Workaround:** Select Refresh Adapter Service from the activity following migration.

Key	Summary
ADF-3261	**Summary:** When migrating a TIBCO BusinessWorks 5.x project or importing an existing TIBCO BusinessWorks 6.x project, errors occur requiring refresh of adapter services. **Workaround:** Refresh the adapter services from the Adapter Palette activity.
ADF-3255	**Summary:** If adapteragent and adapteradmin are configured with persistence type of DB/EMS then the corresponding DB tables are not deleted from DB when uninstalling product. **Workaround:** Prior to uninstallation, save a copy of the `ADF_HOME/release/config/dbscripts/oracle/oracle_drop` SQL script and then run the script following uninstallation.
ADF-3242	**Summary:** When using Adapter Framework 1.3.0 HF2 or higher in conjunction with TIBCO BusinessWorks 6.3.4 and higher, when importing an existing TIBCO BusinessWorks application, errors occur requiring refresh of adapter services. **Workaround:** Refresh the adapter services from the Adapter Palette activity.
ADF-3173	**Summary:** Two user name/password field pairs are displayed when you select JNDI as the connection factory type in the JMS session of an adapter configuration. For authentication only, the second pair is used and the first one is ignored by the JMS server or the adapter. **Workaround:** None.
ADF-3115	**Summary:** When you run an adapter in the Adapter Administration console, if a startup error occurs, the error is not displayed in the adapter log. **Workaround:** Run the adapter on a command line, fix the startup errors, and then run the adapter in the Adapter Administration console.
ADF-3058	**Summary:** You cannot enter a value in the **Connection Factory** field of the JNDI connection. **Workaround:** You can specify the custom connection factory name in the generated EAR file. Alternatively, you can navigate to the factories.conf file of the EMS server and do the desired configuration in the TopicConnectionFactory or QueueConnectionFactory section.
ADF-2996	**Summary:** When using an ActiveMatrix BusinessWorks process to send messages to Subscription Service, if a column data type in the process is int, you cannot set negative numbers for the column. **Workaround:** You can set a negative number in this format: xsd:int(). For example, xsd:int(-123). This workaround does not work for the i1 and i2 date types in TIBCO ActiveMatrix Adapter for SAP (TIBCO Business Studio).

Key	Summary
ADF-2988	**Summary**: When you rename an adapter configuration in the **Instance Id** field (in the **Configuration** tab), the adapter component name is not updated synchronously in the **Components** panel. When you generate and deploy an EAR file with the renamed adapter configuration, the renamed adapter configuration is not displayed in the appspace. **Workaround**: After renaming the adapter configuration, you can delete the original adapter component (in the **Components** tab of the **Module Descriptors** folder), and add the renamed adapter component.
ADF-2987	**Summary**: When an Invoke an Adapter Request-Response Server activity processes messages, if an adapter does not return a reply to the process in a certain time, the Adapter Request-Response Server activity throws a timeout exception. **Workaround**: None.
ADF-2744	**Summary**: After refreshing the AE schema at the service level, the XSD schema does not refresh synchronously. **Workaround**: Delete the activity reference. Reference the service to the activity and map the activity field again.
ADF-2693	**Summary**: The value for any variable that is of the anyType AE Schema data type is not set in the **Input** tab of the adapter activities. **Workaround**: To set the value of the variable, you have to substitute its type with **Simple Type** and select the appropriate type that suits your requirements from the `ae2xsd.xsd` file. And then specify the value of anyType fields manually as `xsd:data_type(data_value)`. For example, if you select the **string** type in the **Type** panel, input `xsd:string("1")` in the **anyType** field. If you select the **i4** type in the **Type** panel, input `xsd:int(1)` in the **anyType** field. For detailed procedures, see the "Handling the anyType AE Data Type" section in *TIBCO ActiveMatrix Adapter for Database (TIBCO Business Studio) User's Guide*.
ADF-2378	**Summary**: When migrating a business process that references an adapter configuration using a fixed decimal data type, the adapter palette activity referencing the adapter service interprets the decimal with an additional precision (for example, `94304` is shown as `94304.0`). **Workaround**: Add a Mapper activity after the problematic adapter activity to truncate and convert the decimal output to a string. See *TIBCO Active matrix BusinessWorks Bindings and Palette Reference* for information about how to use a Mapper activity.
ADF-2374	**Summary**: The adapter admin agent does not populate the TIBCO Enterprise Administration Server URL and register the TIBCO Enterprise Administration agent. **Workaround**: Use the `registerteaagent` command to display the URL correctly.
ADF-2285	**Summary**: The Update Adapter Configuration function does not work for supported non-native adapters. **Workaround**: None.