TIBCO ActiveMatrix® Adapter for Database

Release Notes

Software Release 7.2.0 April 2016



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Preface

TIBCO ActiveMatrix[®] Adapter for Database is a bidirectional gateway between databases and applications configured for the TIBCO environment. The adapter supports publication, subscription, and request-response interactions.

Topics

- Related Documentation, page vi
- Typographical Conventions, page viii
- Connecting with TIBCO Resources, page xi

Related Documentation

This section lists documentation resources you might find useful.

TIBCO ActiveMatrix Adapter for Database Documentation

The following documents form the TIBCO ActiveMatrix Adapter for Database documentation set:

- TIBCO ActiveMatrix Adapter for Database Concepts Read this manual for terminology and concepts of the product. The other manuals in the documentation set assume you are familiar with the information in this manual.
- TIBCO ActiveMatrix Adapter for Database Installation Read this manual for instructions on site preparation and installation.
- TIBCO Active Matrix Adapter for Database Configuration and Deployment Read this manual for instructions on how to create, configure, and deploy adapter projects.
- TIBCO ActiveMatrix Adapter for Database Examples Read this manual to work through the examples provided with the adapter.
- TIBCO ActiveMatrix Adapter for Database 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 might find it useful to read the documentation for the following TIBCO products:

Table 1 TIBCO Products (Sheet 1 of 2)

TIBCO Product	Description
TIBCO ActiveMatrix BusinessWorks TM	This product provides an integration platform that enables companies to rapidly integrate systems and automate business processes.
TIBCO [®] Adapter SDK	This product provides a class library that helps developers to implement an adapter with minimal effort.

Table 1 TIBCO Products (Sheet 2 of 2)

TIBCO Product	Description
TIBCO Administrator TM	This product provides capabilities for managing users, monitoring machines, and deploying and managing applications that use TIBCO products.
TIBCO Business Studio TM	This product provides capabilities that help business analysts document business processes, solution engineers implement business processes, and SOA developers create composite applications.
TIBCO® Database Drivers Supplement	This product provides the licensed DataDirect database drivers that can be used with certain TIBCO products.
TIBCO Designer TM	This product provides a graphical user interface to create TIBCO ActiveMatrix BusinessWorks process definitions, or create or modify TIBCO Adapter configurations.
TIBCO Enterprise Message Service TM	This product sends messages from your applications in a format that conforms to the Java Messaging Service (JMS) specification.
TIBCO Hawk [®]	This product is for monitoring and managing 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 TM	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.
TIBCO ActiveSpaces®	This product is a peer-to-peer distributed in-memory data grid. TIBCO ActiveSpaces is a form of virtual shared memory that is replicated on distributed devices and applications.
	Note : Support for the connection of TIBCO ActiveMatrix Adapter for Database to TIBCO ActiveSpaces is deprecated in this release.

Typographical Conventions

The following typographical conventions are used in this manual.

Table 2 General Typographical Conventions

Convention	Use	
ENV_NAME TIBCO_HOME	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.	
	An installation environment consists of the following properties:	
	• 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> .	
TIB_ADADB_HOME	TIBCO ActiveMatrix Adapter for Database is installed into a directory within a TIBCO_HOME. This directory is referenced in documentation as TIB_ADADB_HOME. The default value of TIB_ADADB_HOME depends on the operating system. For example on Windows systems, the default value is C:\tibco\adapter\adab\version.	
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.	
bold code font	Bold code font is used in the following ways:	
	• 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 2 General Typographical Conventions (Cont'd)

Convention	Use
italic font	Italic font is used in the following ways:
	 To indicate a document title. For example: See TIBCO ActiveMatrix BusinessWorks Concepts.
	 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: MyCommand PathName
Key combinations	Key name separated by a plus sign indicate keys pressed simultaneously. For example: Ctrl+C.
	Key names separated by a comma and space indicate keys pressed one after the other. For example: Esc, Ctrl+Q.
	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.
\triangle	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
[]	An optional item in a command or code syntax.
	For example:
	MyCommand [optional_parameter] required_parameter
I	A logical OR that separates multiple items of which only one may be chosen.
	For example, you can select only one of the following parameters:
	MyCommand param1 param2 param3

Table 3 Syntax Typographical Conventions (Cont'd)

Convention	Use
{ }	A logical group of items in a command. Other syntax notations may appear within each logical group.
	For example, the following command requires two parameters, which can be either the pair param1 and param2, or the pair param3 and param4.
	MyCommand {param1 param2} {param3 param4}
	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:
	MyCommand {param1 param2} {param3 param4}
	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.
	MyCommand param1 [param2] {param3 param4}

Connecting with TIBCO Resources

How to Join TIBCO Community

TIBCO Community 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. TIBCO Community offers forums, blogs, and access to a variety of resources. To register, go to https://community.tibco.com.

How to Access TIBCO Documentation

Documentation for this and other TIBCO products is available on the TIBCO Documentation site:

https://docs.tibco.com

Documentation on the TIBCO Documentation site is updated more frequently than any documentation that might be included with the product. To ensure that you are accessing the latest available help topics, please visit us at 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 user name and password. If you do not have a user name, you can request one.

Release Notes

Check the TIBCO Product Support website at https://support.tibco.com for product information that was not available at release time. Entry to this site requires a user name and a password. If you do not have a user name, 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 7
- Closed Issues, page 8
- Known Issues, page 14

New Features

The following new features have been added to version 7.2.0 of TIBCO ActiveMatrix Adapter for Database.

Database Support

The following databases are supported:

- Microsoft SQL Server 2014
- Sybase ASE 15.7

Platform Support

The following platform is supported:

Red Hat Enterprise Linux Server 7.x

Enhancement of Configuring the Internal Message Queue

The adb. < sessionName/serviceName > . ADBQueueTimeout property is added for you to configure a proper timeout value based on the internal queue size and message size, which helps ensure better performance of the adapter. For more information, see "Configuring the Internal Message Queue" in TIBCO ActiveMatrix Adapter for *Database Configuration and Deployment.*

Enhancement of Configuring Batch Commit for Subscription Service

If you want to configure batch commit for Subscription Service without using separate sessions, you can set the following new properties in the adapter TRA file:

- adb.<default_session_name>.subBatchCommitTimeout
- adb.<default_session_name>.subBatchCommitSize

For more information, see "Configuring Batch Commit for Subscription Service" in TIBCO ActiveMatrix Adapter for Database Configuration and Deployment.

Changes in Functionality

The following are changes in functionality in version 7.2.0 of TIBCO ActiveMatrix Adapter for Database.

Changed Behavior in Processing Error Messages When the adb.useExceptTable Property Is Disabled

If you set the adb.useExceptTable property to off in the adbagent.tra file and do not specify an exception table or an opaque exception table in TIBCO Designer, TIBCO ActiveMatrix Adapter for Database in version 7.2.0 does not terminate but rolls back with the error messages left in the messaging bus. However, the adapter in version 7.1.0 terminates immediately with the error messages left in the messaging bus.

Changed Behavior of Configuring Batch Commit

The Batch Commit Size and Batch Commit Timeout (milliseconds) fields are displayed only when you select the **Use Separate Session** check box in the **Subscriber Options** tab of Subscription Service. Therefore, to configure batch commit in TIBCO Designer, you must use separate sessions. If you do not want to use separate sessions while configuring, you have to use the batch commit properties in the adbagent.tra file.

For more information, see "Configuring Batch Commit for Subscription Service" in TIBCO ActiveMatrix Adapter for Database Configuration and Deployment.

Changed Default Values of Certain Options

For reasonable performance of the adapter, the default values of the following options are changed in this release:

- The default value of the Polling Batch Size (Maximum Rows) field is changed from 0 to 1000.
- The default value of the adb.PollingBatchSize < number of rows> property is changed from 0 to 1000.
- The default value of the adb. <sessionName/serviceName>. ADBQueueSize <queue size> property is changed from -1 to 1000.

Deprecated and Removed Features

The following tables list any features that have been deprecated or removed for version 7.2.0 of TIBCO ActiveMatrix Adapter for Database.

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

Deprecated Features

Affected Component	Description	Deprecated in Release
Design time and Runtime	Connection of TIBCO ActiveMatrix Adapter for Database to TIBCO ActiveSpaces has been deprecated.	7.2.0

Removed Features

Affected Component	Description	Deprecated in Release	Removed in Release
Publication Service	Publication Service in stream mode has been removed.	7.2.0	7.2.0
Design time	Support for Rendezvous Message as a wire format in the Configuration tab for adapter services has been removed.	7.2.0	7.2.0
Cloud Database	Support for Oracle On Demand has been removed.	7.2.0	7.2.0

Affected Component	Description	Deprecated in Release	Removed in Release
Database	Support for the following databases has been removed:	7.0.0	7.1.0
	Oracle database 10g		
	• IBM DB2 for i 5.4.x		
	 MySQL 5.0, 5.1.x (also removed 5.1.x from Cloud) 		
	• PostgreSQL 8.4.x		
	• DB2 9.1.x		
	 Postgres Plus Advanced Server (EnterpriseDB) 		
	 Sybase Adaptive Server Anywhere 10.1.x 		
	• Sybase 15.0.x		
ODBC driver	The ODBC driver is no longer used to access the database. All relevant ODBC content has been removed.	N/A	7.0.0
Platform	Support for the following platforms has been removed:	N/A	7.0.0
	HP-UX 11i, 11i v2, 11i v3 (PA-RISC, 32-bit and 64-bit platforms)		
Platform	Support for the following platforms has been removed:	N/A	6.3.0
	• Microsoft Windows Server 2003		
	 Microsoft Windows XP Professional 		
	• Microsoft Windows Vista		
	• Red Hat Enterprise Linux 4.x		
	• AIX 5.3		

Affected Component	Description	Deprecated in Release	Removed in Release
TIBCO ActiveMatrix [®] Adapter Service Engine	The ActiveMatrix Adapter Service Engine component of TIBCO ActiveMatrix Adapter for Database is no longer supported.	N/A	6.3.0

Migration and Compatibility

The following are instructions on how to migrate from a previous release to 7.2.0 of TIBCO ActiveMatrix Adapter for Database.

The following also provides information on compatibility of the adapter and its data migration support for other TIBCO applications.

Migrating from Release 6.3.0 to 7.2.0

You can use the migration tool to migrate one or more adapter projects created in TIBCO ActiveMatrix Adapter for Database of 6.3.0 to 7.2.0. When you perform migration, note the following conditions:

- Before installing TIBCO ActiveMatrix Adapter for Database 7.2.0 in the same TIBCO_HOME containing TIBCO ActiveMatrix Adapter for Database 6.3.0, you must uninstall TIBCO ActiveMatrix Adapter for Database 6.3.0 first.
- TIBCO ActiveMatrix Adapter for Database 7.2.0 can coexist with TIBCO ActiveMatrix Adapter for Database 6.3.0 in the same TIBCO Administrator domain.
- You can migrate existing projects only by using the command-line migration tool. For more information, see "Appendix F Migration Tool" in TIBCO *ActiveMatrix Adapter for Database Configuration and Deployment.*
- After migrating TIBCO ActiveMatrix Adapter for Database 6.3.0 projects to version 7.2.0, and deploying the migrated projects using TIBCO Administrator, you have to make sure that the project encoding is the same as the domain encoding.

Migrating from Release 7.x.0 to 7.2.0

TIBCO ActiveMatrix Adapter for Database 7.x.0 projects can be run directly and the related DAT files can be opened in the Project panel of TIBCO ActiveMatrix Adapter for Database 7.2.0 without migration.

If an adapter instance in a project created in TIBCO ActiveMatrix Adapter for Database 7.1.0 contains both Publication Service in Stream mode and other adapter services, after you migrate the project from the adapter version 7.1.0 to adapter 7.2.0, Publication Service in Stream mode in the migrated project is ignored when you start the adapter. The adapter can start successfully and the other adapter services in the adapter instance can process messages normally after migration.

Closed Issues

The table lists closed issues in version 7.2.0 of TIBCO ActiveMatrix Adapter for Database.

Key	Summary
AADB-7303	If you configured multithreading for RPC Service in request-reply mode, after a BusinessWorks process sent a request to the RPC server, RPC Service in request-reply mode occasionally replied to a wrong subject.
AADB-7298	If the name of the primary key column of the referred object was different from the name of the primary key column of the source table, the following error message was displayed:
	throw exception %3 when bind reference object selector
	Note : After this issue was resolved, an error message indicating the specific error is displayed.
AADB-7269	When you used Publication Service in TIBCO ActiveMatrix Adapter for Database 7.1.0, if the source table and publishing table existed in the schema specified with the adb.runtime.schema property in the adbagent.tra file, but you specified a new user name at design time and the default schema specified with the new user name did not contain the source table and publishing table, the following error was thrown:
	<pre>java.sql.SQLSyntaxErrorException: ORA-00942: table or view does not exist</pre>
AADB-7265	When you deployed a project created with TIBCO ActiveMatrix Adapter for Database 7.1.0 in TIBCO Administrator, the Config Details tab of the adapter application in TIBCO Administrator did not return the DBMS connection details, such as the DBMS name, DBMS version, database user name, and database connect state.
AADB-7231	When you configured Subscription Service to send the subscription status to a message sender, if the value of the RETURN_CODE column was -1 or 5 in the ADB_SUBSCRIBER_STATUS AE schema, the ADB_TEXT column contained only the description of a specific operation based on the ADB_OPCODE value.
AADB-7172	Regarding Subscription Service, a destination table could not contain any user-created column where the column name included the ADB_ character.
	Note : After this issue is resolved, a destination table column can use any other name except where a column name started with ADB

Key	Summary
AADB-6892	When you used Request-Response Service, if you input a data type value in the PARAMTYPE field, the following error was thrown:
	<pre>[tibcosoftwareinc][Oracle JDBC Driver]Invalid parameter</pre>
	Note : After this issue was resolved, any input data type value in the PARAMTYPE field is automatically treated as the IN value.
AADB-6889	If a date message format was different from the format specified in the adb.timestampPattern property in the adbagent.tra file, and the date message format was the same as the default format (yyyy-MM-dd HH:mm:ss.S) of the adb.timestampPattern property, the adapter could not parse the timestamp of the date message and threw a Unparseable date error.
AADB-6794	If you set the adb.useExceptTable property to off in the adbagent.tra file and did not specify an exception table or an opaque exception table in TIBCO Designer, TIBCO ActiveMatrix Adapter for Database in version 7.x responded differently from the adapter in version 6.3.0. Under this condition, the adapter in version 6.3.0 did not terminate but rolled back with the error messages left in the messaging bus. However, the adapter in version 7.x terminated immediately with the error messages left in the messaging bus.
AADB-6788	When an adapter instance was being started, the adapter mistakenly sent a status of successful startup to TIBCO Administrator.
AADB-6756	When you used Request-Response Service, if you executed a "select" SQL statement to select a column containing a NULL value, TIBCO ActiveMatrix Adapter for Database 7.1 could not return the NULL value.
AADB-6733	In an adapter instance configured with multiple services of Subscription Service, if you did the following configurations:
	The services were configured with the same transport type.
	The Use Separate Session check box was not selected.
	A parent-child table relationship was used for one of the services.
	• The subBatchCommitTimeout and subBatchCommitSize properties were set.
	In a specific commit transaction Subscription Service occasionally committed and confirmed only the parent-table data of a message; in the subsequent commit transaction, Subscription Service committed the child-table data of this message.

Key	Summary
AADB-6724	When an adapter instance was connected to a DB2 database, if you performed a rebind operation on the DB2 database server, the adapter unexpectedly terminated.
AADB-6587	Global variables were not supported for the configuration of the Default Schema field in the Run-time Connection tab of an adapter instance.
AADB-6520	When multiple services of Publication Service were created in an adapter instance, if one of the services used the Rendezvous Certified transport, the ADB_L_DELIVERY_STATUS status of this service could not be changed to C.
AADB-6504	After a project containing Request-Response Service was migrated from TIBCO Adapter for Oracle Applications to TIBCO ActiveMatrix Adapter for Database 6.x, the project worked; however, after the project was migrated again from TIBCO ActiveMatrix Adapter for Database 6.x to 7.1, the instance containing Request-Response Service failed to handle the received requests.
AADB-6503	When load balancing was configured for Publication Service, the service occasionally published duplicate records.
AADB-6464	When Subscription Service used a parent-child table relationship with the opcode value being 4, if at least one of the child tables had no data inserted, the adapter threw the following error message, indicating a duplicated primary key error:
	Violation of PRIMARY KEY constraint 'PKNonPersonalMerch286302EC'. Cannot insert duplicate key in object 'dbo.NonPersonalMerchandise'. when execute statement
AADB-6432	When the Invoke an Adapter Request-Response Service activity was configured, if you ran the Select statement in a request message to retrieve rows from a table and the table contained null values, the adapter did not display the null values in the reply messages.
AADB-6430	When Request-Response Service in the Request-Reply mode was configured, if the stored procedure was invoked successfully in the Publish to Adapter activity, the CLOSURE field in the request message was not present in the reply message.
AADB-6396	When the adapter retrieved messages from the EMS queue and put them in the ADB queue, if the EMS queue contained an excessively large number of messages and the size of the ADB queue was not set or set to an unexpected large value, the OutOfMemoryError error occurred.

Key	Summary
AADB-6395	If the set of columns in the incoming records sent to Subscription Service and the received messages changed substantially, the performance of Subscription Service was degraded.
AADB-6353	When the source table was selected from another schema instead of the default schema for Publication Service and then this source table was selected as the referred object, Publication Service failed to publish messages.
AADB-6347	If the set of columns in the incoming records sent to Subscription Service and the received messages changed substantially, the performance of Subscription Service was degraded.
AADB-6298	For Subscription Service using the parent-child table relationship, when the parent table opcode was set to 2 and the child table opcode was not set, if no record was updated in the parent table, some records were still inserted into the child table.
AADB-4859	(Teradata database 14.1 only) If you used Subscription Service to insert duplicate messages into the destination table, the error duplicate message was not inserted into the exception table.
AADB-4814	When you imported a DAT file to a new project, the values in the Standard Microagent Timeout and Class Microagent Timout fields were missing.
AADB-3336	(DB2 for z/OS only) A timeout error occurred when the delivery status of the publishing table changed from $\mathbb N$ to $\mathbb P$. If the publishing table was locked for a long period, the adapter shut down.
AADB-3315	If you first selected a table as the destination table, then selected the same table as the source table for loop detection, the adapter palette first created the class of the destination table without the ADB_SOURCE column and did not add the ADB_SOURCE column to modify the class after the source table was altered to have the ADB_SOURCE column. As a result, loop detection failed.
AADB-3309	Regarding Oracle databases, TIBCO ActiveMatrix Adapter for Database had a precision limitation of 15 on the unconstrained NUMBER type.
AADB-1247	If columns were not selected in the Table tab of Subscription Service, the subscription schema was not changed. This case only occurred when Publication Service existed with the same table.
AADB-1137	(IBM DB2 z/OS only) Custom operations were not configured using the adapter palette where the return value was a result set.

Key	Summary
AADB-807	When you saved a project in TIBCO Designer, clicked an adapter folder icon, and then tried to close the project, a message was displayed prompting you to save your changes even though you did not make any changes.
AADB-551	An adapter instance name was case insensitive. For example, the following error occurred if you renamed an adapter instance from UDb81 to UDB81.
	Names of many adapter components must be unique within the adapter. The name you entered conflicts with an existing component name.
AADB-371	If an Oracle client was on a network drive, or on the same machine but on a different drive than the operating system, TIBCO ActiveMatrix Adapter for Database could not start as a service.
AADB-304	When the adb.rvMaxQueueSize limit was reached, TIBCO ActiveMatrix Adapter for Database could not respond to the TERMINATE message.

Known Issues

The table lists known issues in version 7.2.0 of TIBCO ActiveMatrix Adapter for Database.

Key	Summary/Workaround
AADB-7363	Summary : If you use a saved database connection of Microsoft SQL Server, Sybase, PostgreSQL, or Teradata for Request-Response Service but do not test the connection, when you start the adapter, the adapter throws the following exception: java.sql.SQLException:
	<pre>tibcosoftwareinc][SQLServer JDBC Driver][SQLServer]Could not find stored procedure 'dbms_application_info.set_client_info'.</pre>
	Workaround : Before you use a saved database connection, ensure that the vendor you select in the Connection tab of an adapter instance is the same as the saved database. Alternatively, after you load the saved database connection, click Test Connection in the Design-time Connection tab.
AADB-7326	Summary: After you disable the network, even if the number of reconnection
AADB-7323	attempts exceeds the value you set for the Maximum Number of Reconnect Attempts field in the Run-time Connection tab, the adapter continuously attempts to reconnect to the database and does not terminate. After you enable the network, the adapter prints the reconnect successfully log information and then terminates.
	Workaround: None.
AADB-7322	Summary : When the adapter attempts to reconnect to a database, the adapter threw the java.sql.SQLNonTransientConnectionException exception with Unknown Source.
	Workaround: None.
AADB-7268	Summary : (MySQL database only) If you configure custom RPC Service and the reconnection times exceed the value set in the Maximum Number of Reconnect Attempts field in the Run-time Connection tab, after you start the adapter and then stop the MySQL database, the adapter does not reconnect to the MySQL database and running the BusinessWorks process fails.
	Workaround: None.

Key	Summary/Workaround
AADB-6385	Summary : After you install 32-bit TIBCO Runtime Agent 5.8.0, TIBCO ActiveMatrix Adapter for Database 7.0.0 cannot start on the AIX platform.
	Workaround : Add the <i>TIBCO_HOME</i> /tibcojre/1.7.0/lib/ppc/default path at the beginning of the tibco.env.JVM_LIB_DIR property in the adbagent.tra file.
AADB-6232	Summary : When both TIBCO ActiveMatrix Adapter for database and a TIBCO Enterprise Message Service (EMS) server are configured with fault tolerance, if the EMS server switches from the primary status to the standby status and then switches back to the primary status, the adapter raises the java.lang.NullPointerException exception.
	Workaround: None.
AADB-6197	Summary : If the encrypt property is set to true in the security policy and the identity password is not specified, when you test the connection to the TIBCO ActiveSpaces security metaspace, TIBCO Designer becomes unresponsive.
	Workaround: None.
	Note : This is an issue related to TIBCO ActiveSpaces. Support for the connection of TIBCO ActiveMatrix Adapter for Database to TIBCO ActiveSpaces is deprecated in this release.
AADB-6115	Summary : If you configure an adapter instance with an invalid metaspace name, and then connect the adapter instance to an as-agent as a remote client, when you test the connection to the TIBCO ActiveSpaces security metaspace, TIBCO Designer becomes unresponsive.
	Workaround: None.
	Note : This is an issue related to TIBCO ActiveSpaces. Support for the connection of TIBCO ActiveMatrix Adapter for Database to TIBCO ActiveSpaces is deprecated in this release.
AADB-5636	Summary : TIBCO ActiveMatrix Adapter for database does not support the configuration of the VerifyHost setting for the SSL configuration.
	Workaround: None.
AADB-4907	Summary : (JMS transport only) After reconnecting to an EMS server, custom RPC Service occasionally cannot receive a request message from the Invoke an Adapter Request-Response Service activity in a BusinessWorks process.
	Workaround: None.

Key	Summary/Workaround
AADB-4895	Summary : If you use a MySQL database, custom RPC Service cannot call a function.
	Workaround: None.
AADB-4894	Summary : (Microsoft SQL Server 2012 only) When calling a function in the adapter RPC custom operation, an exception is thrown:
	Invalid procedure number (0). Must be between 1 and 32767.
	Workaround : Change the default SQL value in the RPC custom operation using the following steps:
	 In the Project panel, expand project_name > AESchemas > ae > ADB > CustomOps > instance_name > service_name > operation_name > Classes > INPUT_OPTIONS > SQL.
	2. Remove ; 0 from the Default Value field, and then click the Apply button.
AADB-4865	Summary : (Teradata database only) When Subscription Service handles complex parent-child data, the following exception is thrown and the database is reconnected: Response limit exceeded.
	Workaround: Add the JDBC property LOB_SUPPORT=off,url=jdbc:teradata:// <servername>/database=<databasenam e="">,LOB_SUPPORT=off when configuring an adapter in the Design-time Connection tab.</databasenam></servername>
AADB-4812	Summary : When migrating a TIBCO ActiveMatrix Adapter for database 6.x project that contains BusinessWorks processes to the adapter version 7.0, the following exception is thrown:
	Exception in DesignerResourceStore.loadResourceFrom() uri: sub.process using unknown file type resource during migration.
	Workaround : Copy the tibco.env.CUSTOM_CP_EXT and tibco.env.CUSTOM_PALETTE_PATH properties from the designer.tra file into the adbMigrator.tra file.
AADB-4808	Summary : (TIBCO Runtime Agent 5.7.x only) The durable name of the JMS subscriber is reverted to the default value when the project is reopened.
	Workaround: Use either of the following ways:
	 Upgrade TIBCO Runtime Agent version to 5.8.
	 Reset the value in the Durable Name field.

Key	Summary/Workaround
AADB-4713	Summary : (Teradata database only) The values of the JDBC properties specified at design time are not valid at run time.
	Workaround : Set the values of the JDBC properties in the JDBC URL field.
AADB-4647	Summary : When a JMS message that contains the anyType data type to TIBCO ActiveMatrix Adapter for database, the adapter throws a wrong data format exception.
	Workaround : Specify the correct data type in the DATA field manually.
AADB-4527	Summary : (MySQL database only) Publication Service publishes incorrect minimum or maximum values for float data types contained in the table. Workaround : None.
AADB-3669	Summary : (Teradata database only) The seconds in the TIME data type are displayed incorrectly when you configure Publication Service and Subscription Service.
	Workaround: None.