

TIBCO ActiveMatrix® Adapter Service Engine for WebSphere MQ

Release Notes

*Software Release 6.0.0
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Release Notes

Check the TIBCO Product Support web site at <http://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 from the same site. You must have a valid maintenance or support contract to use this site.

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New Features

This section lists the new features added since the last major release of this product.

Introduced in Release	Feature
6.0.0	Support for TIBCO ActiveMatrix Environments The TIBCO ActiveMatrix Adapter Service Engine for WebSphere MQ component enables the adapter to run in the ActiveMatrix environment as a container and to provide services. The release adds support for: • Creating and configuring adapter service engine projects using TIBCO Business Studio. • Importing Designer projects into the TIBCO Business Studio environment. • Configuring ActiveMatrix endpoints for communicating with TIBCO ActiveMatrix BusinessWorks Service Engine. • The Common Logging framework. You can configure the logging of trace messages using the TIBCO Common Logging framework by leveraging on the availability of Common Logging libraries in the ActiveMatrix environment. • To deploy an .ear file containing adapter project configurations created using TIBCO Designer, the EAR2SA utility can be used. • Deploying multiple adapter configurations on the same node. See <i>TIBCO ActiveMatrix Adapter Service Engine for WebSphere MQ Configuration and Deployment</i> for more information.

Changes in Functionality

This section lists changes in functionality since the last major release of this product.

Changed in Release	Functionality
6.0.0	There is no change in functionality.

Deprecated Features

This section describes deprecated features and lists equivalent features that accomplish the same result, if relevant. 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 equivalent feature.

Deprecated in Release	Feature
6.0.0	There are no features deprecated in this release.

Migration and Compatibility

- Adapter projects created using TIBCO Designer can be imported into the TIBCO Business Studio design time environment. See *TIBCO ActiveMatrix Adapter Service Engine for WebSphere MQ Configuration and Deployment* for more information.
- The EAR2SA tool cannot be used for .ear files that contain Generic Adapter Configurations.
- Migrating projects from earlier releases that supported RVTX are not supported.

Closed Issues

This section lists the product defects that were closed in the named release.

Closed in Release	Defect #	Summary
6.0.0	There are no closed issues.	

Known Issues

The table in this section lists product defects known in this release.

Defect #	Summary/Workaround
Design time	
1-99C858	Summary After assigning a class reference in the adapter services tab, the Class Reference from BO link does not work. Workaround None. The link can be ignored.
1-9M2ETZ	Summary The transport specified in the Timer section is not validated which results in validation errors even when the transport reference is correct. Workaround None.
1-8G3RTB	Summary AESchema can hold schema objects with the same name. Workaround None.
1-8GIHGD	Summary Field descriptions are not imported when importing a project. Workaround Re-enter the fields descriptions after importing the project.
1-9AV02S	Summary The Enable Class Microagent field substitution variable should be shown as a text box of type String instead of a check box of type Boolean. Workaround It is not recommended that you use a substitution variable for the Enable Class Microagent field.
1-9B1CG7	Summary (Linux only) Multiple Refresh issues observed with the BO Importer. Workaround First minimize and then maximize the TIBCO Business Studio screen.
1-9BLR8F	Summary It should not be allowed to create AESchemas anywhere in the project. Workaround It is recommended to create AESchemas only in the AESchema folder or in its sub folders.
1-9BS6XK	Summary Two resources with the same name should not be created in the same adapter service engine project even if they are in different folders. Validation of the project will not show any errors for such condition. Workaround Do not create two resources with the same name in the same adapter service engine project.

Defect #	Summary/Workaround
1-9DOBGD	Summary If the attribute of an AEType is a string and is read only, the Schema Editor is unable to display the attribute correctly, a message box suggesting to check the error log appears. Workaround None. This message box can be ignored.
1-9EA2K1	Summary (Linux only) You cannot double-click the editor pages to switch among Associations, Classes, Scalars, Sequences and Unions under path AESchemas/ae.schemamodel. Workaround Select the resource and then right-click it to choose OpenGroup.
1-9G6VST 1-9BLR67	Summary Default sessions, shared resources, and folders (AESchemas and DefaultVars) that are created for a new adapter project should not be allowed to delete. Workaround It is not recommended that you delete any of the listed resources.
1-9GZBI9	Summary In TIBCO Business Studio, the copy-paste, rename, and move operations are only supported for business objects. Workaround None.
1-9I6DMC	Summary When importing a Designer project into TIBCO Business Studio, non-default values for the log Info, Debug, Warning, and Error message settings are not imported. Workaround Assign the values after importing the project.
1-9IFVA3	Summary A Null pointer exception is seen in the error log, when an adapter configuration with both of the following settings in a TIBCO Designer Project is imported: • The Log to Standard I/O check box is unchecked. • The Log File name field is blank. Workaround None. The errors can be ignored if the above conditions exist.
1-9IMBIB	Summary When importing a Designer project into TIBCO Business Studio, non-default values for the Complete Time field of the DefaultRVCMQ Session are not imported. Workaround Manually specify the values in TIBCO Business Studio after importing the project.

Defect #	Summary/Workaround
1-9ISM50	Summary Manually modifying the AE Schema file may result in invalid references and validation errors. Workaround After modifying the AE Schema file, close the Schema Editor and then reopen the adapter instance in the Modeling Perspective.
1-9IVI8J	Summary When generating the WSDL file for an adapter project created using TIBCO Designer and imported into TIBCO Business Studio, sometimes results in Update TNS Cache errors. Workaround None. The error can be ignored.
1-9JS59O	Summary If you delete the Adapter project after generating WSDL for an Adapter configuration, recreate a project with the same name either by re-importing the same Designer Project or by creating a new Adapter Project, then generate WSDL again, the Namespace not found error will be thrown in the error log. Workaround Restart TIBCO Business Studio. Clean and rebuild that project, then generate WSDL again.
1-9K0PJ7	Summary Form fields showing integer values do not accept negative values. Workaround Enter the integer value and then add the negative sign before the integer value.
1-9K3Y8Y	Summary (Linux only) When generating a service assembly from an EAR file that contains an adapter configuration, the service assembly that is created is not seen in the Deployment Packages folder. Workaround Refresh the project.
Runtime	
1-9LJNO5	Summary In the TIBCO ActiveMatrix Administrator, if you set the three MQ SSL parameters, MQSSLKEYR, MQCHLLIB, and MQCHLTAB, the configuration does not take effect in runtime. Workaround Manually add these variables into the node.tra file, and then restart the node.

Defect #	Summary/Workaround
1-9JU9DL	Summary Import a Designer project, which has a Request-Response Service with Rendezvous transport and Rendezvous Message wire format, into TIBCO Business Studio, and then generate WSDL without modification. An error occurs when starting the SA project in TIBCO ActiveMatrix Administrator. The error message looks like the following: <pre>WebSphereMQ.WebSphereMQAdapterConfiguration Error [Configuration] AEMQSC-000100 Configuration Error. Data conversion failed for Failed to find attribute 'operationName' for service /tibco/public/service/adapter/WebSphereMQAdapterConfiguration/Re questResponseService"</pre> Workaround After importing the Designer project, set Operation Name in the Configuration section of the RPC Server and then save the modification.
1-9K833N	Summary (Microsoft Windows only) After losing connectivity to the QManager, the adapter service engine cannot reconnect to the QManager if the adapter service engine contains a service wired with AMX transport. Workaround None.
1-9OF11B	Summary If there are lots of messages in MQ queue to be published before the adapter starts, the ASE publisher may terminate unexpectedly after publishing a large number of messages. Workaround Reduce the batch size for each polling interval.
1-8Y6L6N	Summary If the container for the adapter service engine is manually activated using TIBCO ActiveMatrix Administrator, you must restart the node before you can successfully deploy a service assembly. Workaround None at this time.
1-9CS1N7 1-9ECYPB	Summary When a service assembly containing an adapter configuration is stopped, there is no information in the node log files stating that the adapter configuration has been stopped. The adapter container does not stop. Workaround None.
1-9HERMI	Summary After creating the service assembly, the <i>adapterprefix_genresources</i> folder in the SOA project does not get deleted which causes errors. Workaround Manually delete the folder.

Defect #	Summary/Workaround
1-9JM0UL	Summary When deploying a service assembly using TIBCO ActiveMatrix Administrator, two sets of substitution variables are displayed. Workaround None. Ensure that you specify values for both sets of substitution variables.
1-9KID01	Summary If you import an .ear file in an adapter project, the Build Service Assembly Archive should be disabled. This option should be available only when the .ear file is imported in an ActiveMatrix SOA project. Workaround None.
1-9KZD9Q	Summary When a service assembly is deployed and started on more than one node, if one of those nodes is shutdown the other nodes do not take over. Workaround If one of the nodes is shutdown, the other nodes must also be shutdown. Manually restart all the nodes.

Limitations

This section lists the known limitations for the adapter service engine:

- Configuration of AE services is not supported in TIBCO Business Studio. Designer projects containing AE endpoints can be deployed in TIBCO ActiveMatrix environment using EAR2SA utility.
- When you import into TIBCO Business Studio a Designer project that contains global variables shared between adapter and BusinessWorks configurations, the global variables are converted into substitution variables for the adapter service units. Ensure that the values of these substitution variables match those of the global variables of the Business Works service units.
- The Active Matrix platform is inherently multi threaded and does not preserve the order in which the messages are delivered to a service. The Adapter Service Engine services can not be used if the consumer of these services is expecting ordered message processing.
- Adapter configurations that contain a one-way invocation for RPC operations are not supported.
- Subscription services with a reply message are not supported.