

TIBCO ActiveMatrix[®] Adapter Service Engine for Files

Release Notes

*Software Release 6.0.0
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Release Notes

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.

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New Features

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

Release 6.0.0

- **Support for TIBCO ActiveMatrix Environments**

The TIBCO ActiveMatrix Adapter Service Engine for Files 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 following Message Exchange Patterns (MEPs) are supported:

One-Way (In-Only) maps to an adapter Subscriber.

Notification (Out-Only) maps to an adapter Publisher.

- 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.

- Deploying 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 *TIBCO ActiveMatrix Adapter Service Engine for Files Configuration and Deployment* for more information.

Changes in Functionality

This section lists changes in functionality since the last major (6.0.0) release of this product.

Release 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.

Release 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 Files Configuration and Deployment* for more information.
- Adapter service engine configurations created using TIBCO ActiveMatrix Adapter Service Engine for Files 5.6.x cannot be deployed into the TIBCO ActiveMatrix environment and run using TIBCO ActiveMatrix Adapter Service Engine for Files 6.0.0.
- TIBCO ActiveMatrix Adapter Service Engine for Files 5.6.x and TIBCO ActiveMatrix Adapter for Files 6.0.0 cannot be installed on the same machine and so deployment artifacts created using TIBCO ActiveMatrix Adapter Service Engine for Files 5.6.x and TIBCO ActiveMatrix Adapter Service Engine Files 6.0.0 cannot run in the same node.
- The EAR2SA tool cannot be used for .ear files that contain Generic Adapter Configurations instances.

Closed Issues

The table in this section list issues that were closed in the named releases.

Closed in Release	Defect #	Summary
6.0.0	1-8Y8J5F	When a WSDL file was generated, the following error tag was shown in the transport shared resource tab. For RV Reliable: The substitution variable '/test/GAC_Publisher_resources/GAC_Publisher/RvDaemon is not defined. The substitution variable '/test/GAC_Publisher_resources/GAC_Publisher/RvNetwork is not defined. The substitution variable '/test/GAC_Publisher_resources/GAC_Publisher/RvService is not defined. For JMS Transport: The substitution variable '/sdf/GenericAdapterConfiguration_resources/GenericAdapterConfiguration/JmsProviderUrl is not defined. This has been fixed.
6.0.0	1-8YBA9Z	If the Designer project had a global variable with a constraint, you could not open the substitution variables file in your ActiveMatrix project after the WSDL was generated. This has been fixed.
6.0.0	1-8QXZTR	If a service assembly containing a service unit of the adapter service engine was stopped and needed to be re-started, the node had to be restarted before starting this service assembly. This restriction applies to service assemblies containing service units of adapter service engine only. This has been fixed.

Known Issues

The table in this section lists known issues in this release.

Defect #	Summary/Workaround
Design Time	
1-9MES8G	Summary If you modify the Business Object after an adapter service is configured, the changes will not be applied automatically to the adapter service. Workaround After you save the changes in the Business Object, go to the adapter service to pick the Business Object again and save.
1-9NPNGM	Summary You cannot delete the default value of the Integer type attributes using the Delete and Backspace keys. Workaround First insert the new value to the left of the default value and then you can only delete the default value.
1-8XK3TP	Summary If a subscription service contains two or more schemas, the generated WSDL through the binding SOAP service always contains only one schema. Workaround Instead of configuring one subscription service with multiple schemas, configure multiple subscription services each with one schema.
1-9MXR42	Summary After sending a publication service a RV trigger message with properties such as the <code>inputDirectory</code> and <code>fileName</code> properties to override the corresponding design time properties, the publication service does not pick up the properties in the RV trigger message and continues to use the design time properties. Workaround None.

Defect #	Summary/Workaround
1-9MYJO1	Summary After performing the following steps: 1. Import a Designer project configured with the trigger message mode and the RV transport into Business Studio. 2. Change the RV transport to the JMS transport. 3. Create a service assembly and start the service assembly. 4. Send a JMS trigger message to the service assembly. The JMS message does not trigger the service assembly. Workaround Change the RV transport to JMS transport in Designer before importing the project into Business Studio.
1-9N28VX	Summary After importing a Designer project into TIBCO Business Studio, the imported project should have the same enabled logging role(s) as that of the Designer project, but it does not. Workaround Enable or disable the logging role(s) manually.
1-9MQY39	Summary When you create BO from sample file to automatically create a delimited record and its attributes, no attributes are displayed after clicking the Create button. Workaround Click the Save button to display the new attributes.
1-9MQY15	Summary If the field delimiter is a multi-characters delimiter, then the Display Wizard will not be able to parse a line and generate the fields automatically. Workaround Create the Business Object manually.
1-9MQY8I	Summary If an instance contains more than one subscription services that are both configured with Appended messages to file and close on rvMessage, the instance will fail to start up. Workaround Configure the subscription services in separate instances.
1-9MBYPJ	Summary After creating a writer record from a reader record, trying to make the same modifications manually to both the reader and writer record does not work. Workaround First modify the reader record, then create a brand new writer record from the newly modified reader record.

Defect #	Summary/Workaround
1-9HZ6L8	Summary When importing a Designer project into the TIBCO Business Studio, the Name of the Association Endpoint must not be blank... error occurs. The error does not affect the functionality and can be ignored. Workaround None.
1-9M2KOC	Summary In the File Adapter BO Editor panel, when a business object is deleted, no business object then is automatically in focus, which results in a blank configuration view. Workaround Select any one remaining business object of interest, and the configuration view of that business object will display.
1-9LUZKV	Summary BO Editor does not support attribute filtering which allows you to decide whether an attribute should be included in a business object message. Workaround Create the adapter configuration and schema in Designer which supports attribute filtering and import the Designer project into Business Studio.
1-9LCR2M	Summary When importing a TIBCO Designer project into TIBCO Business Studio, the following error may occur. The feature 'Header Reference' of 'File Adapter Configuration FileAdapter /FA Deployment /FA Schema WriteSchema' contains an unresolved proxy 'Ae Type'. Workaround Delete the TIBCO Business Studio adapter project and import it again.
1-9JCTTN	Summary When importing the TIBCO ActiveMatrix Adapter for Files examples project that is the Teak_TafRepoDefault project into TIBCO Business Studio, the following error occurs: The substitution variable 'TIBCO_ADFILES_HOME_ESC' is not defined" Workaround In the Teak_TafRepoDefault project, replace the TIBCO_ADFILES_HOME_ESC variable with the actual path of the Files Adapter home directory.
1-9MES96	Summary The folder that stores the default adapter resources is not deleted automatically after the adapter configuration is deleted. Workaround Delete the folder manually.

Defect #	Summary/Workaround
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 checkbox is unchecked. • The Log File name field is blank. Workaround None. The errors can be ignored if the above conditions exist.
1-99C858	Summary After assigning a class reference in the Adapter services tab, the Class Reference from BO link does not work when clicked. Workaround None. The link can be ignored.
1-9AV02S	Summary The Enable Class Microagent field substitution variable should be shown as a text box of type String instead of a checkbox of type Boolean Workaround It is not recommended that you use a substitution variable for the Enable Class Microagent field.
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.
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 switch editor pages among Associations, Classes, Scalars, Sequences and Unions under path AESchemas/ae.schemamodel using mouse double-click. Workaround You can select the resource and use right-click menu to choose OpenGroup.
1-9G6VST 1-9BLR67	Summary Deletion of default sessions, shared resources, and folders (AESchemas and DefaultVars) that are created for a new adapter project should not be allowed. Workaround It is not recommended that you delete any of the listed resources.

Defect #	Summary/Workaround
1-9GOKLN	Summary The following warnings are occasionally displayed in the error tab after a new adapter project is created: Both 'com.tibco.corona.gac.model' and 'org.eclipse.tptp.platform.models' register an extension parser for 'adapter' Workaround None. These messages can be ignored.
1-9GZBI9	Summary Copy-paste, rename, and move operations are only supported for business objects in TIBCO Business Studio. Workaround None.
1-9I6DMC	Summary The non default values for the log Info, Debug, Warning and Error message settings for a Designer project do not get imported. Workaround None. Assign the values after importing the project.
1-9IMBQF	Summary Manually modifying the AE Schema file may result in invalid references and validation errors. Workaround It is not recommended that you modify the AE Schema file. Modify the BO file and regenerate the AE Schema.
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 errors will be thrown in the error log. Workaround Re-start 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.

Defect #	Summary/Workaround
1-9KL4XT	Summary When an Adapter Service Assembly is deployed, un-deployed, and redeployed, the password on rare occasions is reset to a default value, that may cause connection failures. Workaround Reset the password to a correct value in TIBCO ActiveMatrix Administrator.
1-9LFYCN	Summary If you add a substitution variable of type Boolean in the defaultVars.substvar file, the variable is missing when you open the file using a text editor. Workaround Check and the uncheck the checkbox for the substitution variable. The variable is now seen in the defaultVars.substvar file when opened using a text editor.
1-9IMBIB	Summary When importing a Designer project into TIBCO Business Studio, non-default values for the Complete Time field of the DefaultRVCMQ Session is not imported. Workaround Specify the values in TIBCO Business Studio after importing the project.
1-9LTXU9	Summary On rare occasions, the AEEndpoints file is empty after generating the WSDL. Workaround Regenerate the WSDL, and ensure the AEEndpoints file is populated.
Runtime	
1-9N28UM	Summary The TIBCO ActiveMatrix Adapter for Files container fails to activate in a node that is created before TIBCO ActiveMatrix Adapter Service Engine for Files is installed. It reports the following error: <pre>ERROR: [op-4928 Bundle Error Missing Constraint: Require-Bundle: com.tibco.matrix.container.adapterse; bundle-version="[2.0.0,3.0.0)"]</pre> Workaround Uninstall and then reinstall the node. This will successfully activate the container.
1-9MJUW5	Summary When starting a service assembly on a node which already has service assembly archive(s) running, the node will report the <code>SplineExchangeChannel.signalException</code> warning message. The warning does not affect the functionality of the node and can be ignored. Workaround None.

Defect #	Summary/Workaround
1-9MN9ZZ	Summary When a service assembly is stopped, the following error is reported: <pre>16:50:52:687 ERROR: [: SocketUtils::readSocket: recv: s,errno = 13768,0]" is reported.</pre> Workaround None. The error message can be ignored.
1-8Y6L6N	Summary If the container for the adapter service engine is manually activated using TIBCO ActiveMatrix Administrator, you have to re-start 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.
1-9JM0UL	Summary When deploying a service assembly using TIBCO ActiveMatrix Administrator, two sets of substitution variables are seen. Workaround None. Make sure 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.
1-9PZDIL	Summary If the publishing rate is too fast for an TIBCO ActiveMatrix Adapter Service Engine for Files publisher wired with the TIBCO ActiveMatrix transport, the adapter could return the following error: <pre>ERROR: [: thread 3075406752, SocketUtils::writeSocket send: s,errno =4,104]</pre> After this, the adapter could loss messages or terminate. Workaround Reduce the publishing rate by specifying the value in the Document Delay field.

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. Make sure the values of these substitution variables match those of the global variables of the Business Works service units.
- The Active Matrix platform is inherently multithreaded 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.
- The following features will be supported only through AE endpoints when using the EAR2SA utility:
 - User Exits
 - Simple File Transfer