

TIBCO ActiveMatrix®

Implementation Type for WCF Host

Release Notes

Software Release 1.0.0
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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 1.0.0

This is the first release of TIBCO ActiveMatrix Implementation Type for WCF Host. The release provides the following features:

- Ability to deploy ActiveMatrix Implementation Type for WCF Host components in TIBCO ActiveMatrix platform. You can create ActiveMatrix Implementation Type for WCF Host components in the ActiveMatrix Composite Editor of TIBCO Business Studio and then wire them to other ActiveMatrix components or bindings in ActiveMatrix composite.
- Ability to integrate WCF services with the ActiveMatrix platform. An Implementation Type for WCF Host component functions as the host environment for a Microsoft WCF service. It can also consume services deployed within the ActiveMatrix environment.
- Ability to configure the reference on the ActiveMatrix Implementation Type for WCF Host such that it can consume:
 - Any composite reference or component service in ActiveMatrix, and
 - Any external WCF service.
- Support ActiveMatrix Implementation Type for WCF Host component development using the **SOA project from implementation** wizard by specifying services within implementation assemblies as follows:
 - Generate WSDL files that represent the WCF services.
 - Configure the service with an application configuration file.
 - After you import the WCF implementation assemblies, configuration files, WSDL and schema files into TIBCO Business Studio, you resolve the schema references, if any, in the WSDL files and map the service contracts to port types in the application configuration file using the WCF Config File Editor.
- Monitor using ActiveMatrix Administrator
- Policy enforcement using TIBCO ActiveMatrix Policy Manager

Changes in Functionality

This section lists changes in functionality since the last major (x.0) release of this product.

Release 1.0.0

There are no changes 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 1.0.0

There are no deprecated features.

Migration and Compatibility

This section explains how to migrate from a previous release to this release.

Release 1.0.0

There are no migration procedures or compatibility issues in this release.

Closed Issues

The table in this section lists issues that were closed in the named releases. There are no closed issues as this is the first release of the product.

Known Issues

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

Change Request ID	Summary/Workaround
1-9P26KT	<p>Summary Logging: When you restart the node with the Service Assembly in the Started state and the Log Appender set to File, the log files do not get created.</p> <p>Workaround Specify the absolute path for the log file in TIBCO ActiveMatrix Administrator to create the log files.</p>
1-9NZKWR	<p>Summary The WCF Config File Editor does not open and throws LinkageError when you start the TIBCO Business Studio with -clean option on the following setup:</p> <ul style="list-style-type: none"> • TIBCO ActiveMatrix Service Grid 2.2.0 • TIBCO ActiveMatrix BusinessWorks Service Engine 5.7.0 • TIBCO ActiveMatrix Service Performance Manager 1.1.1 • TIBCO ActiveMatrix Implementation Type for WCF Host 1.0.0 <p>Workaround To start TIBCO Business Studio with -clean option, you must remove the following plug-ins from the <i>AMX_HOME/components/eclipse/plugins</i> directory:</p> <ul style="list-style-type: none"> • com.tibco.tpcl.org.jdom_1.0.0.007 • com.tibco.tpcl.org.jdom_1.0.0.009
1-9PEKXO	<p>Summary In TIBCO Business Studio, the generated WSDL shows errors related to binding when the Name or Namespace property is used for the ServiceBehaviorAttribute.</p> <p>Workaround None</p>
1-9PLJ9F	<p>Summary While checking the performance, decrease in throughput of a web service is observed for a SOAP-WCF-WCF scenario where a WCF component is added as a proxy.</p> <p>Workaround None</p>

Change Request ID	Summary/Workaround
1-9L1IA4	<p>Summary The WSDL generated for a service using the <code>ServiceBehaviorAttribute</code>'s <code>ConcurrencyMode.Multiple</code> property contains Demarcated operations and shows errors in TIBCO Business Studio.</p> <p>Workaround The error is harmless and can be resolved by removing the Operation Attributes <code>isInitiating</code> and <code>isTerminating</code> which are WSDL 1.1 extensions added by Microsoft.</p>
1-9QVRHE	<p>Summary Partner invocation fails with Null Pointer Exception when using multipart messages.</p> <p>Workaround None</p>
1-9QRVBJ	<p>Summary Using the simple types as message parts, the deserialization exception were seen.</p> <p>Workaround Wrap the simple types in elements.</p>
1-9WFUA5	<p>Summary While invoking multiple services when different containers are involved, sometimes <code>OutOfMemory</code> error (<code>Unable to create native thread</code>) is noticed.</p> <p>Workaround In <code>node.tra</code>, change the <code>java.heap.size.max</code> from 1024M to 512M.</p>