TIBCO ActiveMatrix® Implementation Type for Scripting in Ruby

Release Notes

Software Release 1.0.0
December 2008

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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.

Topics

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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 Scripting in Ruby. The release provides the following features:

- Support for adding ActiveMatrix service and references to Ruby components.
- Support for validating a Ruby script against Ruby component services at design and deployment time.
- Support for dynamically binding to a Ruby script at deployment time via substitution variables.
- Support for dynamically loading an updated Ruby script.
- Support for accessing a Ruby library from a service assembly
- Ruby components interoperate with the following ActiveMatrix component implementation (Java, .NET, BusinessWorks) and service binding types (SOAP, JMS, AMX)
- Includes the Ruby Development Toolkit 0.9.1 for developing Ruby scripts in TIBCO Business Studio.
- Deploy and life cycle manage service using TIBCO ActiveMatrix Administrator.
- Monitor using ActiveMatrix Administrator.
- Enforce policies 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.

Closed Issues

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

Known Issues

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

Change Request ID	Summary/Workaround
1-9DJ7NZ	**Summary** If you make changes to the implementation script after it has been validated, revalidation does not occur. **Workaround** Rebuild the ActiveMatrix SOA project by selecting the Project > Clean command.
1-9DLRBZ	**Summary** If an element and type have the same name in the WSDL file a SAXParseException is returned when you add a service or reference to a Ruby component. **Workaround** Ensure that element and type names are unique.
1-9DLRCO	**Summary** If there is a space in the path to the XSD schema imported by a WSDL file an error occurs during code generation. **Workaround** Put the XSD in a location without a space.
1-9DNA33	**Summary** When non-conforming integer data is sent in a SOAP message, the Ruby runtime returns truncated data instead of an error. **Workaround** Ensure that integer data conforms to the type specified in the WSDL file.

1-9DOBBC	**Summary** A null pointer exception is reported if the input message has a part with a simple type:
	`<wsdl:part name="parameters" type="xsd:string"></wsdl:part>`
	Workaround Define the type of the part as an element that contains a simple type:
	`<xsd:element name="StringElement" type="xsd:string">`
	`</xsd:element>`
	`<wsdl:part name="parameters" element="tns:StringElement">`
	`</wsdl:part>`

1-9DONGL	**Summary** The properties icon on a Ruby component is superfluous because Ruby components do not support properties. **Workaround** Ignore the icon.

Change Request ID	Summary/Workaround

1-9DP95F	**Summary** Code generation of the Java interface corresponding to a port type fails if the port type references a simple type that maps to an array of Java primitives.
	
	Workaround Wrap the simple type in a complex type. For example:
	
	`<xsd:simpleType name="NumbersList">`
	`  <xsd:list itemType="OneToNinetyNine"/>`
	`</xsd:simpleType>`
	`<xsd:simpleType name="LotteryNumbers">`
	`  <xsd:restriction base="NumbersList">`
	`  <xsd:length value="6"/>`
	`  </xsd:restriction>`
	`</xsd:simpleType>`
	`<xsd:complexType name="LottertNumbersT">`
	`  <xsd:simpleContent>`
	`  <xsd:extension base="LotteryNumbers"/>`
	`  </xsd:simpleContent>`
	`</xsd:complexType>`

1-9ECJ8I	**Summary** When xsd:decimal data is sent to a Ruby component the received data is of type `java.math.BigDecimal` instead of JRuby `BigDecimal`. **Workaround** Use the received data as an object of type `java.math.BigDecimal` and use its methods to access and manipulate it.
1-9EIBQA	**Summary** Simple types that reference xsd:base64binary and xsd:hexbinary are not correctly converted to a Ruby values. The value in a Ruby component is'nil'. **Workaround** Wrap the simple type in a complex type.
1-9EIBQV	**Summary** Data of type xsd:date, xsd:time, or xsd:dateTime reaches Ruby script as an object of type org.apache.xerces.jaxp.datatype.XMLGregorianCalendarImpl. If you return the same data type it gets converted to an empty SOAP response. **\Workaround** In the Ruby script, create and return a new Java GregorianCalendar object.
1-9EIBRD	**Summary** Data of type xsd:anyURI is converted to a Ruby string. **Workaround** None.
1-9EIBRU	**Summary** If you send an xsd:short below the permissible limit (< 32767) or return a short above the permissible limit (> 32767) the Ruby container does not return an error. **Workaround** None.

Change Request ID	Summary/Workaround
1-9EWJ1U	**Summary** If requests are sent continuously to a node running a Ruby script the node runs out of memory after approximately 24 hours. **Workaround** Restart the node.
1-9EWJ75	**Summary** Ruby script validation in the runtime does not succeed when an operation name has more than one character and both the first and second characters are upper case. If the operation contains the string XY, the runtime validator expects xY. **Workaround** To ensure that runtime validation succeeds, name the function according to what the runtime expects. If the operation is named XY, name the function xY.
1-9EWN7V	**Summary** A runtime exception occurs when a request contains an integer larger than that can be represented in a native machine word. **Workaround** None.
1-9EYGG5	**Summary** When you add a service or reference to a component, code generation fails if the WSDL file contains a wsdl:import and xsd:import of the same schema. **Workaround** Import the schema once.
1-9F8O6O	**Summary** At deployment time errors in Ruby scripts such as missing classes or methods are not reported correctly. **Workaround** None.