

Hi

I tested proxy scenario using cxf inbound endpoint with frontend="simple" when I was preparing the configurations for perf tests. But I didn't successful as I get various exceptions.

Try 1)

```
<service name="DirectProxy">
  <inbound>
    <cxf:inbound-endpoint address="http://localhost:8090/services/DirectProxy"
wsdlLocation="wsdl/ProxyWSDL-embedded.wsdl" frontend="simple" synchronous="true"/>
  </inbound>
  <bridge-component/>
  <outbound>
    <outbound-pass-through-router>
      <outbound-endpoint address="http://localhost:8080/MockServices/EchoService"
        synchronous="true"/>
    </outbound-pass-through-router>
  </outbound>
</service>
```

Error

ERROR 2008-06-26 16:34:05,736 [WrapperListener_start_runner] org.mule.MuleServer:

Message : Initialisation Failure: org.mule.component.simple.PassThroughComponent

Type : org.mule.api.lifecycle.CreateException

Code : MULE_ERROR-84

JavaDoc :

<http://mule.mulesource.org/docs/apidocs/org/mule/api/lifecycle/CreateException.html>

Object : CxfMessageReceiver{this=1a76eff, receiverKey=http://localhost:8090/services/DirectProxy, endpoint=http://localhost:8090/services/DirectProxy}

Exception stack is:

1. org.mule.component.simple.PassThroughComponent (java.lang.ClassCastException)

org.mule.transport.cxf.CxfMessageReceiver:313

(<http://java.sun.com/j2se/1.5.0/docs/api/java/lang/ClassCastException.html>)

2. Initialisation Failure: org.mule.component.simple.PassThroughComponent

(org.mule.api.lifecycle.CreateException)

org.mule.transport.cxf.CxfMessageReceiver:317

(<http://mule.mulesource.org/docs/apidocs/org/mule/api/lifecycle/CreateException.html>)

Root Exception stack trace:

```
java.lang.ClassCastException: org.mule.component.simple.PassThroughComponent
    at org.mule.transport.cxf.CxfMessageReceiver.getTargetClass(CxfMessageReceiver.java:313)
    at org.mule.transport.cxf.CxfMessageReceiver.doInitialise(CxfMessageReceiver.java:87)
    at org.mule.transport.AbstractMessageReceiver.initialise(AbstractMessageReceiver.java:159)
    at org.mule.transport.AbstractConnector.registerListener(AbstractConnector.java:1020)
    at org.mule.service.AbstractService.registerListeners(AbstractService.java:608)
    at org.mule.service.AbstractService.start(AbstractService.java:316)
    at org.mule.service.AbstractService.start(AbstractService.java:293)
    at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
    at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:39)
    at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:25)
    at java.lang.reflect.Method.invoke(Method.java:585)
    at org.mule.lifecycle.DefaultLifecyclePhase.applyLifecycle(DefaultLifecyclePhase.java:263)
    at org.mule.lifecycle.DefaultLifecyclePhase.fireLifecycle(DefaultLifecyclePhase.java:119)
    at org.mule.lifecycle.GenericLifecycleManager.firePhase(GenericLifecycleManager.java:79)
    at org.mule.DefaultMuleContext.start(DefaultMuleContext.java:147)
    at org.mule.MuleServer.run(MuleServer.java:254)
    at org.mule.MuleServer.start(MuleServer.java:239)
    at org.mule.module.boot.MuleServerWrapper.start(MuleServerWrapper.java:48)
    at org.tanukisoftware.wrapper.WrapperManager$12.run(WrapperManager.java:2788)
```

Try 2

```
<service name="DirectProxy">
  <inbound>
    <cxf:inbound-endpoint address="http://localhost:8090/services/DirectProxy"
wsdlLocation="wsdl/ProxyWSDL-embedded.wsdl" frontend="simple" synchronous="true"/>
  </inbound>
  <component class="org.mule.component.simple.PassThroughComponent" />
  <outbound>
    <outbound-pass-through-router>
      <outbound-endpoint address="http://localhost:8080/MockServices/EchoService"
synchronous="true"/>
    </outbound-pass-through-router>
  </outbound>
</service>
```

Error

ERROR 2008-06-26 16:35:50,670 [WrapperListener_start_runner] org.mule.MuleServer:

Message : Initialisation Failure: Could not find definition for service

{http://simple.component.mule.org/}PassThroughComponent.

Type : org.mule.api.lifecycle.InitialisationException

Code : MULE_ERROR-72085

JavaDoc :

<http://mule.mulesource.org/docs/apidocs/org/mule/api/lifecycle/InitialisationException.html>

Object : CxfMessageReceiver{this=1d1082f, receiverKey=http://localhost:8090/services/DirectProxy, endpoint=http://localhost:8090/services/DirectProxy}

Exception stack is:

1. Could not find definition for service {http://simple.component.mule.org/}PassThroughComponent.

(org.apache.cxf.service.factory.ServiceConstructionException)

org.apache.cxf.wsdl11.WSDLServiceFactory:114 (null)

2. Initialisation Failure: Could not find definition for service

{http://simple.component.mule.org/}PassThroughComponent.

(org.mule.api.lifecycle.InitialisationException)

org.mule.transport.cxf.CxfMessageReceiver:240

(<http://mule.mulesource.org/docs/apidocs/org/mule/api/lifecycle/InitialisationException.html>)

Root Exception stack trace:

org.apache.cxf.service.factory.ServiceConstructionException: Could not find definition for service

{http://simple.component.mule.org/}PassThroughComponent.

at org.apache.cxf.wsdl11.WSDLServiceFactory.create(WSDLServiceFactory.java:114)

at

org.apache.cxf.service.factory.ReflectionServiceFactoryBean.buildServiceFromWSDL(ReflectionServiceFactoryBean.java:270)

at

org.apache.cxf.service.factory.ReflectionServiceFactoryBean.initializeServiceModel(ReflectionServiceFactoryBean.java:360)

at

org.apache.cxf.service.factory.ReflectionServiceFactoryBean.create(ReflectionServiceFactoryBean.java:156)

at

org.apache.cxf.frontend.AbstractWSDLBasedEndpointFactory.createEndpoint(AbstractWSDLBasedEndpointFactory.java:74)

at org.apache.cxf.frontend.ServerFactoryBean.create(ServerFactoryBean.java:108)

at org.mule.transport.cxf.CxfMessageReceiver.doInitialise(CxfMessageReceiver.java:226)

```
at org.mule.transport.AbstractMessageReceiver.initialise(AbstractMessageReceiver.java:159)
at org.mule.transport.AbstractConnector.registerListener(AbstractConnector.java:1020)
at org.mule.service.AbstractService.registerListeners(AbstractService.java:608)
at org.mule.service.AbstractService.start(AbstractService.java:316)
at org.mule.service.AbstractService.start(AbstractService.java:293)
at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:39)
at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:25)
at java.lang.reflect.Method.invoke(Method.java:585)
at org.mule.lifecycle.DefaultLifecyclePhase.applyLifecycle(DefaultLifecyclePhase.java:263)
at org.mule.lifecycle.DefaultLifecyclePhase.fireLifecycle(DefaultLifecyclePhase.java:119)
at org.mule.lifecycle.GenericLifecycleManager.firePhase(GenericLifecycleManager.java:79)
at org.mule.DefaultMuleContext.start(DefaultMuleContext.java:147)
at org.mule.MuleServer.run(MuleServer.java:254)
at org.mule.MuleServer.start(MuleServer.java:239)
at org.mule.module.boot.MuleServerWrapper.start(MuleServerWrapper.java:48)
at org.tanukisoftware.wrapper.WrapperManager$12.run(WrapperManager.java:2788)
```

I tried axis:inbound endpoint

Try 1)

```
<model name="Sample-SOAP">
  <service name="DirectProxy">
    <inbound>
      <axis:inbound-endpoint address="http://localhost:8090/services/DirectProxy"
wsdlFile="wsdl/ProxyWSDL-embedded.wsdl" synchronous="true"/>
    </inbound>

    <outbound>
      <outbound-pass-through-router>
        <outbound-endpoint address="http://localhost:8080/MockServices/EchoService"
          synchronous="true"/>
      </outbound-pass-through-router>
    </outbound>
  </service>
</model>
```

Error

ERROR 2008-06-26 17:06:01,424 [WrapperListener_start_runner] org.mule.MuleServer:

Message : Initialisation Failure: Unable to retrieve class from service factory

Type : org.mule.api.lifecycle.CreateException

Code : MULE_ERROR-84

JavaDoc :

<http://mule.mulesource.org/docs/apidocs/org/mule/api/lifecycle/CreateException.html>

Object : AxisMessageReceiver{this=148e798, receiverKey=null, endpoint=http://localhost:8090/services/DirectProxy}

Exception stack is:

1. Unable to retrieve class from service factory (java.lang.ClassNotFoundException)

org.mule.transport.soap.axis.AxisServiceProxy:163

(<http://java.sun.com/j2se/1.5.0/docs/api/java/lang/ClassNotFoundException.html>)

2. Initialisation Failure: Unable to retrieve class from service factory

(org.mule.api.lifecycle.CreateException)

org.mule.transport.soap.axis.AxisMessageReceiver:77

(<http://mule.mulesource.org/docs/apidocs/org/mule/api/lifecycle/CreateException.html>)

Root Exception stack trace:

java.lang.ClassNotFoundException: Unable to retrieve class from service factory

at

org.mule.transport.soap.axis.AxisServiceProxy.getInterfacesForComponent(AxisServiceProxy.java:163)

at org.mule.transport.soap.axis.AxisMessageReceiver.create(AxisMessageReceiver.java:151)

at org.mule.transport.soap.axis.AxisMessageReceiver.<init>(AxisMessageReceiver.java:73)

at sun.reflect.NativeConstructorAccessorImpl.newInstance0(Native Method)

at sun.reflect.NativeConstructorAccessorImpl.newInstance(NativeConstructorAccessorImpl.java:39)

at

sun.reflect.DelegatingConstructorAccessorImpl.newInstance(DelegatingConstructorAccessorImpl.java:27)

at java.lang.reflect.Constructor.newInstance(Constructor.java:494)

at org.mule.util.ClassUtils.instantiateClass(ClassUtils.java:363)

at org.mule.util.ClassUtils.instantiateClass(ClassUtils.java:371)

at

org.mule.transport.service.DefaultTransportServiceDescriptor.createMessageReceiver(DefaultTransportServiceDescriptor.java:255)

at

org.mule.transport.service.DefaultTransportServiceDescriptor.createMessageReceiver(DefaultTransportServiceDescriptor.java:203)

```
at org.mule.transport.AbstractConnector.createReceiver(AbstractConnector.java:2061)
at org.mule.transport.AbstractConnector.registerListener(AbstractConnector.java:1016)
at org.mule.service.AbstractService.registerListeners(AbstractService.java:608)
at org.mule.service.AbstractService.start(AbstractService.java:316)
at org.mule.service.AbstractService.start(AbstractService.java:293)
at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:39)
at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:25)
at java.lang.reflect.Method.invoke(Method.java:585)
at org.mule.lifecycle.DefaultLifecyclePhase.applyLifecycle(DefaultLifecyclePhase.java:263)
at org.mule.lifecycle.DefaultLifecyclePhase.fireLifecycle(DefaultLifecyclePhase.java:119)
at org.mule.lifecycle.GenericLifecycleManager.firePhase(GenericLifecycleManager.java:79)
at org.mule.DefaultMuleContext.start(DefaultMuleContext.java:147)
at org.mule.MuleServer.run(MuleServer.java:254)
at org.mule.MuleServer.start(MuleServer.java:239)
at org.mule.module.boot.MuleServerWrapper.start(MuleServerWrapper.java:48)
at org.tanukisoftware.wrapper.WrapperManager$12.run(WrapperManager.java:2788)
```

Try 2

```
<model name="Sample-SOAP">
  <service name="DirectProxy">
    <inbound>
      <axis:inbound-endpoint address="http://localhost:8090/services/DirectProxy"
wsdlFile="/home/indika/Mule/mule-2.0.1/lib/user/wsd/ProxyWSDL-embedded.wsdl"
synchronous="true"/>
    </inbound>
    <component class="org.mule.component.simple.BridgeComponent" />
    <outbound>
      <outbound-pass-through-router>
        <outbound-endpoint address="http://localhost:8080/MockServices/EchoService"
synchronous="true"/>
      </outbound-pass-through-router>
    </outbound>
  </service>
</model>
```

Error (when running)

ERROR 2008-06-26 17:13:44,120 [HttpConnector.receiver.3] org.mule.DefaultExceptionHandler:

Caught exception in Exception Strategy: Invalid HTTP version string:

```
xmlns:xsd="http://services.samples/xsd">
```

org.apache.commons.httpclient.ProtocolException: Invalid HTTP version string:

```
xmlns:xsd="http://services.samples/xsd">
```

```
at org.apache.commons.httpclient.HttpVersion.parse(HttpVersion.java:225)
```

```
at org.mule.transport.http.RequestLine.<init>(RequestLine.java:78)
```

```
at org.mule.transport.http.RequestLine.parseLine(RequestLine.java:52)
```

```
at org.mule.transport.http.HttpServerConnection.readRequest(HttpServerConnection.java:140)
```

```
at org.mule.transport.http.HttpMessageReceiver$HttpWorker.run(HttpMessageReceiver.java:158)
```

```
at org.mule.work.WorkerContext.run(WorkerContext.java:310)
```

```
at
```

```
edu.emory.mathcs.backport.java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1061)
```

```
at edu.emory.mathcs.backport.java.util.concurrent.ThreadPoolExecutor
```

```
$Worker.run(ThreadPoolExecutor.java:575)
```

```
at java.lang.Thread.run(Thread.java:595)
```

And it seems that in the wsdl it doesn't pick . (I changed wsdlLocation to a non existing path.. no errors).

I have tested these with numerous options , but what happen was gets different different exceptions.

If there are any changes need to be done on configurations please let me know (you could edit configuration and post here), then , I will test those.

more than welcome your help for these proxy scenario get to work.

Thanks Lots

Indika