Jboss User Name : murali2489

Password : Yasha@89

How to start JBOSS Server :   
**Starting the Server**

Let's open a terminal in OSX/Linux or a command prompt in Windows and navigate to the *$JBOSS\_HOME/bin* directory.

Further, we'll start the standalone server with default configuration by running:

|  |  |
| --- | --- |
| 1 | standalone.sh |

How I deployed Spring CXF webservice in Jboss.

First I got below error .

cvc-complex-type.2.4.c: The matching wildcard is strict, but no declaration can be found for element 'jaxws:endpoint'.

Below dependencies added in POM which resolved the issue.

<dependency>

<groupId>org.apache.cxf</groupId>

<artifactId>cxf-rt-bindings-soap</artifactId>

<version>${cxf.version}</version>

<scope>compile</scope>

</dependency>

<dependency>

<groupId>org.apache.cxf</groupId>

<artifactId>cxf-rt-transports-http</artifactId>

<version>${cxf.version}</version>

<scope>compile</scope>

</dependency>

<dependency>

<groupId>org.apache.cxf</groupId>

<artifactId>cxf-rt-frontend-jaxws</artifactId>

<version>${cxf.version}</version>

<scope>compile</scope>

</dependency>

<dependency>

<groupId>org.apache.cxf</groupId>

<artifactId>cxf-rt-rs-extension-providers</artifactId>

<version>${cxf.version}</version>

<scope>compile</scope>

</dependency>

Initially when deploying the WAR , I got below error.

Caused by: org.jboss.as.server.deployment.DeploymentUnitProcessingException: WFLYWS0059: Apache CXF library (cxf-core-3.0.4.jar) detected in ws endpoint deployment; either provide a proper deployment replacing embedded libraries with container module dependencies or disable the webservices subsystem for the current deployment adding a proper jboss-deployment-structure.xml descriptor to it. The former approach is recommended, as the latter approach causes most of the webservices Java EE and any JBossWS specific functionality to be disabled."}}

For this error , I have added jboss-deployment-structure.xml file in the web-inf folder.

<?xml version=*"1.0"*?>

<jboss-deployment-structure xmlns=*"urn:jboss:deployment-structure:1.2"*

xmlns:xsi=*"http://www.w3.org/2001/XMLSchema-instance"*>

<deployment>

<exclude-subsystems>

<subsystem name=*"webservices"* />

</exclude-subsystems>

</deployment>

</jboss-deployment-structure>

After this, when I tried to deploy, I got below error.

Failed to define class org.apache.cxf.jaxws.spring.EndpointDefinitionParser$SpringEndpointImpl

<https://stackoverflow.com/questions/44033999/jboss-eap-7-exclude-webservices-subsystem-gives-noclassdeffounderror-failed-to>

Added below dependency in POM.xml which resolved the issue.

<dependency>

<groupId>javax.xml.ws</groupId>

<artifactId>jaxws-api</artifactId>

<version>2.2.9</version>

</dependency>

Finally the WAR is deployed with Service and endpoint is available in the below location.

<http://localhost:8080/saimugacxfspring/services/productService?wsdl>

**CXF Lessons learned :**

**Service EndPoint Name:**

The EndPoint Name is available as : SaiMugaCXFSpringProvider in the maven generated wsdl.

This came from the annotation which I provided in the webservices class as well as in the build section in the pom.xml file.

But the WSDL available after deployment has productService as endpoint. This is because the cxf jar has taken this value from the spring-beans.xml file.

<jaxws:endpoint id=*"productService"* implementor=*"#productServiceImpl"*

address=*"/productService"* />

So Inorder to keep the service Name as you want, you must keep it consistent across all the files.

**Endpoint.publish not working**

**You have to give .wsdl at the end to see the file.**

**ID: 23**

**Address: http://localhost:8080/apacheCXFCalc/services/RMWApacheCXFSOAPService**

**Encoding: UTF-8**

**Http-Method: POST**

**Content-Type: text/xml; charset=UTF-8**

**Headers: {Accept=[\*/\*], cache-control=[no-cache], connection=[keep-alive], Content-Length=[2699], content-type=[text/xml; charset=UTF-8], host=[localhost:8080], pragma=[no-cache], SOAPAction=[""], user-agent=[Apache-CXF/3.1.9]}**

**Payload: <soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"><soap:Header><wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd" soap:mustUnderstand="1"><xenc:EncryptedKey xmlns:xenc="http://www.w3.org/2001/04/xmlenc#" Id="EK-2ba4ec6f-4c9e-4639-91d9-b54c70f43284"><xenc:EncryptionMethod Algorithm="http://www.w3.org/2001/04/xmlenc#rsa-oaep-mgf1p"/><ds:KeyInfo xmlns:ds="http://www.w3.org/2000/09/xmldsig#"><wsse:SecurityTokenReference><ds:X509Data><ds:X509IssuerSerial><ds:X509IssuerName>CN=saimuga</ds:X509IssuerName><ds:X509SerialNumber>1549343012</ds:X509SerialNumber></ds:X509IssuerSerial></ds:X509Data></wsse:SecurityTokenReference></ds:KeyInfo><xenc:CipherData><xenc:CipherValue>SPg4ngnBHq3Hf/TXzjO04P8JnnRxmQyZ01e+1E93QvpN0S1YRUzxQXPLxzlskyiOoJFrCBvCNuuIo+/sgZGcgvzuiHtrzMkXsgtxAivDeguMSNe+s1Ztr6bvzknoEn6uT1p5I5IGS4hunN/qWIdGu+SOVdn1TmYpHSXBic72UcRmNga+3gT1j2ixHIh4ZTI86hd+Zye+qrXGJp7l1BTTnhmTAUmVnYBlggL1xGjhl0jHYcpD3I4KvCKSamonUi9oH/VdpnxrS+TiRoSsH1ylXNbgvtHhQgyq1kZbR/5ePT6s1WXbW7QVI9GWqT8FpZSL3Y6nNYXfq1j9b0c49OXs4A==</xenc:CipherValue></xenc:CipherData><xenc:ReferenceList><xenc:DataReference URI="#ED-2e996461-43e3-4920-b389-a20678169ecd"/></xenc:ReferenceList></xenc:EncryptedKey><wsse:UsernameToken wsu:Id="UsernameToken-15a40209-679e-49e1-ae8b-f31ec9a3e15b"><wsse:Username>cac6584</wsse:Username><wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-token-profile-1.0#PasswordText">XC3590rr</wsse:Password></wsse:UsernameToken></wsse:Security></soap:Header><soap:Body><xenc:EncryptedData xmlns:xenc="http://www.w3.org/2001/04/xmlenc#" Id="ED-2e996461-43e3-4920-b389-a20678169ecd" Type="http://www.w3.org/2001/04/xmlenc#Content"><xenc:EncryptionMethod Algorithm="http://www.w3.org/2001/04/xmlenc#aes128-cbc"/><ds:KeyInfo xmlns:ds="http://www.w3.org/2000/09/xmldsig#"><wsse:SecurityTokenReference xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd" xmlns:wsse11="http://docs.oasis-open.org/wss/oasis-wss-wssecurity-secext-1.1.xsd" wsse11:TokenType="http://docs.oasis-open.org/wss/oasis-wss-soap-message-security-1.1#EncryptedKey"><wsse:Reference URI="#EK-2ba4ec6f-4c9e-4639-91d9-b54c70f43284"/></wsse:SecurityTokenReference></ds:KeyInfo><xenc:CipherData><xenc:CipherValue>vIuiG3bg2UnEZSBgyRknidb32G5gJT5K4vkQnDoDumodTmhejL2VtXVILajNPg2J3bBQDbpnpl57QQvuaOL8NjxCRUrn7qCGgLfraPFFh/2RdxoiJWmMDA5D4rUmhwzXyALqHdIgxkWKX5PeMcdUwZJ3Gdin7r6Af0IZt0gUIezcrzeBkpp0dhqCQkGXRwvS</xenc:CipherValue></xenc:CipherData></xenc:EncryptedData></soap:Body></soap:Envelope>**

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**Oct 05, 2019 12:16:11 PM org.apache.cxf.phase.PhaseInterceptorChain doDefaultLogging**

**WARNING: Interceptor for {http://apacheCXFCalc/}CXFInterfaceService has thrown exception, unwinding now**

**org.apache.cxf.binding.soap.SoapFault: A security error was encountered when verifying the message**

**at org.apache.cxf.ws.security.wss4j.WSS4JUtils.createSoapFault(WSS4JUtils.java:233)**

**at org.apache.cxf.ws.security.wss4j.WSS4JInInterceptor.handleMessageInternal(WSS4JInInterceptor.java:317)**

**at org.apache.cxf.ws.security.wss4j.WSS4JInInterceptor.handleMessage(WSS4JInInterceptor.java:171)**

**at org.apache.cxf.ws.security.wss4j.WSS4JInInterceptor.handleMessage(WSS4JInInterceptor.java:80)**

**at org.apache.cxf.phase.PhaseInterceptorChain.doIntercept(PhaseInterceptorChain.java:308)**

**at org.apache.cxf.transport.ChainInitiationObserver.onMessage(ChainInitiationObserver.java:121)**

**at org.apache.cxf.transport.http.AbstractHTTPDestination.invoke(AbstractHTTPDestination.java:252)**

**at org.apache.cxf.transport.servlet.ServletController.invokeDestination(ServletController.java:234)**

**at org.apache.cxf.transport.servlet.ServletController.invoke(ServletController.java:208)**

**at org.apache.cxf.transport.servlet.ServletController.invoke(ServletController.java:160)**

**at org.apache.cxf.transport.servlet.CXFNonSpringServlet.invoke(CXFNonSpringServlet.java:180)**

**at org.apache.cxf.transport.servlet.AbstractHTTPServlet.handleRequest(AbstractHTTPServlet.java:299)**

**at org.apache.cxf.transport.servlet.AbstractHTTPServlet.doPost(AbstractHTTPServlet.java:218)**

**at javax.servlet.http.HttpServlet.service(HttpServlet.java:661)**

**at org.apache.cxf.transport.servlet.AbstractHTTPServlet.service(AbstractHTTPServlet.java:274)**

**at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:231)**

**at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166)**

**at org.apache.tomcat.websocket.server.WsFilter.doFilter(WsFilter.java:52)**

**at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:193)**

**at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166)**

**at org.apache.catalina.core.StandardWrapperValve.invoke(StandardWrapperValve.java:199)**

**at org.apache.catalina.core.StandardContextValve.invoke(StandardContextValve.java:96)**

**at org.apache.catalina.authenticator.AuthenticatorBase.invoke(AuthenticatorBase.java:493)**

**at org.apache.catalina.core.StandardHostValve.invoke(StandardHostValve.java:137)**

**at org.apache.catalina.valves.ErrorReportValve.invoke(ErrorReportValve.java:81)**

**at org.apache.catalina.valves.AbstractAccessLogValve.invoke(AbstractAccessLogValve.java:660)**

**at org.apache.catalina.core.StandardEngineValve.invoke(StandardEngineValve.java:87)**

**at org.apache.catalina.connector.CoyoteAdapter.service(CoyoteAdapter.java:343)**

**at org.apache.coyote.http11.Http11Processor.service(Http11Processor.java:798)**

**at org.apache.coyote.AbstractProcessorLight.process(AbstractProcessorLight.java:66)**

**at org.apache.coyote.AbstractProtocol$ConnectionHandler.process(AbstractProtocol.java:808)**

**at org.apache.tomcat.util.net.NioEndpoint$SocketProcessor.doRun(NioEndpoint.java:1498)**

**at org.apache.tomcat.util.net.SocketProcessorBase.run(SocketProcessorBase.java:49)**

**at java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1149)**

**at java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:624)**

**at org.apache.tomcat.util.threads.TaskThread$WrappingRunnable.run(TaskThread.java:61)**

**at java.lang.Thread.run(Thread.java:748)**

**Caused by: org.apache.wss4j.common.ext.WSSecurityException: The private key for the supplied alias does not exist in the keystore**

**Original Exception was org.apache.wss4j.common.ext.WSSecurityException: The private key for the supplied alias does not exist in the keystore**

**Original Exception was java.security.UnrecoverableKeyException: Cannot recover key**

**at org.apache.wss4j.dom.processor.EncryptedKeyProcessor.getPrivateKey(EncryptedKeyProcessor.java:261)**

**at org.apache.wss4j.dom.processor.EncryptedKeyProcessor.handleToken(EncryptedKeyProcessor.java:215)**

**at org.apache.wss4j.dom.processor.EncryptedKeyProcessor.handleToken(EncryptedKeyProcessor.java:81)**

**at org.apache.wss4j.dom.engine.WSSecurityEngine.processSecurityHeader(WSSecurityEngine.java:344)**

**at org.apache.cxf.ws.security.wss4j.WSS4JInInterceptor.handleMessageInternal(WSS4JInInterceptor.java:268)**

**... 35 more**

**Caused by: org.apache.wss4j.common.ext.WSSecurityException: The private key for the supplied alias does not exist in the keystore**

**Original Exception was java.security.UnrecoverableKeyException: Cannot recover key**

**at org.apache.wss4j.common.crypto.Merlin.getPrivateKey(Merlin.java:767)**

**at org.apache.wss4j.common.crypto.Merlin.getPrivateKey(Merlin.java:680)**

**at org.apache.wss4j.dom.processor.EncryptedKeyProcessor.getPrivateKey(EncryptedKeyProcessor.java:255)**

**... 39 more**

**Caused by: java.security.UnrecoverableKeyException: Cannot recover key**

**at sun.security.provider.KeyProtector.recover(KeyProtector.java:315)**

**at sun.security.provider.JavaKeyStore.engineGetKey(JavaKeyStore.java:141)**

**at sun.security.provider.JavaKeyStore$JKS.engineGetKey(JavaKeyStore.java:56)**

**at sun.security.provider.KeyStoreDelegator.engineGetKey(KeyStoreDelegator.java:96)**

**at sun.security.provider.JavaKeyStore$DualFormatJKS.engineGetKey(JavaKeyStore.java:70)**

**at java.security.KeyStore.getKey(KeyStore.java:1023)**

**at org.apache.wss4j.common.crypto.Merlin.getPrivateKey(Merlin.java:756)**

**... 41 more**

**Oct 05, 2019 10:54:10 PM org.apache.cxf.ws.security.wss4j.WSS4JInInterceptor handleMessageInternal**

**WARNING: The request is a SOAP Fault, but it is not secured**

**Exception in thread "main" javax.xml.ws.soap.SOAPFaultException: Fault occurred while processing.**

**at org.apache.cxf.jaxws.JaxWsClientProxy.invoke(JaxWsClientProxy.java:161)**

**at com.sun.proxy.$Proxy31.sendRetroCalc(Unknown Source)**

**at com.retrocalc.client.RetroCalcCXFClient.App.main(App.java:76)**

**Caused by: org.apache.cxf.binding.soap.SoapFault: Fault occurred while processing.**

**at org.apache.cxf.binding.soap.interceptor.Soap11FaultInInterceptor.unmarshalFault(Soap11FaultInInterceptor.java:86)**

**at org.apache.cxf.binding.soap.interceptor.Soap11FaultInInterceptor.handleMessage(Soap11FaultInInterceptor.java:52)**

**at org.apache.cxf.binding.soap.interceptor.Soap11FaultInInterceptor.handleMessage(Soap11FaultInInterceptor.java:41)**

**at org.apache.cxf.phase.PhaseInterceptorChain.doIntercept(PhaseInterceptorChain.java:308)**

**at org.apache.cxf.interceptor.AbstractFaultChainInitiatorObserver.onMessage(AbstractFaultChainInitiatorObserver.java:112)**

**at org.apache.cxf.binding.soap.interceptor.CheckFaultInterceptor.handleMessage(CheckFaultInterceptor.java:69)**

**at org.apache.cxf.binding.soap.interceptor.CheckFaultInterceptor.handleMessage(CheckFaultInterceptor.java:34)**

**at org.apache.cxf.phase.PhaseInterceptorChain.doIntercept(PhaseInterceptorChain.java:308)**

**at org.apache.cxf.endpoint.ClientImpl.onMessage(ClientImpl.java:801)**

**at org.apache.cxf.transport.http.HTTPConduit$WrappedOutputStream.handleResponseInternal(HTTPConduit.java:1672)**

**at org.apache.cxf.transport.http.HTTPConduit$WrappedOutputStream.handleResponse(HTTPConduit.java:1551)**

**at org.apache.cxf.transport.http.HTTPConduit$WrappedOutputStream.close(HTTPConduit.java:1348)**

**at org.apache.cxf.transport.AbstractConduit.close(AbstractConduit.java:56)**

**at org.apache.cxf.transport.http.HTTPConduit.close(HTTPConduit.java:651)**

**at org.apache.cxf.interceptor.MessageSenderInterceptor$MessageSenderEndingInterceptor.handleMessage(MessageSenderInterceptor.java:62)**

**at org.apache.cxf.phase.PhaseInterceptorChain.doIntercept(PhaseInterceptorChain.java:308)**

**at org.apache.cxf.endpoint.ClientImpl.doInvoke(ClientImpl.java:514)**

**at org.apache.cxf.endpoint.ClientImpl.invoke(ClientImpl.java:423)**

**at org.apache.cxf.endpoint.ClientImpl.invoke(ClientImpl.java:324)**

**at org.apache.cxf.endpoint.ClientImpl.invoke(ClientImpl.java:277)**

**at org.apache.cxf.frontend.ClientProxy.invokeSync(ClientProxy.java:96)**

**at org.apache.cxf.jaxws.JaxWsClientProxy.invoke(JaxWsClientProxy.java:139)**

**... 2 more**

**ID: 8**

**Address: http://localhost:8080/apacheCXFCalc/services/RMWApacheCXFSOAPService**

**Encoding: UTF-8**

**Http-Method: POST**

**Content-Type: text/xml; charset=UTF-8**

**Headers: {Accept=[\*/\*], cache-control=[no-cache], connection=[keep-alive], content-type=[text/xml; charset=UTF-8], host=[localhost:8080], pragma=[no-cache], SOAPAction=[""], transfer-encoding=[chunked], user-agent=[Apache-CXF/3.1.9]}**

**Payload: <soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"><soap:Header><wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd" soap:mustUnderstand="1"><xenc:EncryptedKey xmlns:xenc="http://www.w3.org/2001/04/xmlenc#" Id="EK-809f0098-5e90-402d-9906-aae91d9249b5"><xenc:EncryptionMethod Algorithm="http://www.w3.org/2001/04/xmlenc#rsa-oaep-mgf1p"/><ds:KeyInfo xmlns:ds="http://www.w3.org/2000/09/xmldsig#"><wsse:SecurityTokenReference><ds:X509Data><ds:X509IssuerSerial><ds:X509IssuerName>CN=Bharath</ds:X509IssuerName><ds:X509SerialNumber>1036286336</ds:X509SerialNumber></ds:X509IssuerSerial></ds:X509Data></wsse:SecurityTokenReference></ds:KeyInfo><xenc:CipherData><xenc:CipherValue>hcp2PFZdw9Ffd3YRnNhivSnCdSRcvxSXlapiM9Ntv0vy6KJZ4wPc9FK1l+NToPg5hxRWtyfhNDzNHTmLJl0/Natg4LNn+O20OEdfcuVx+FPMCw3fXDL+nu0PI6YV/rXNdLUpME/DZ5B7S/68CSZNmWYEO2SiCz8MqDhXCuKS+fvqU/iyfRI9LioyE5/6pYdgx0i3zcu5ikjhj9Fk8VyDjFEySvvYczV3znqd7t2SrdWR9DIz1V2geKz2qDjC9pcrC5OxtSUIC7+lMHO34EBzUPlOKV4fYGvYe059SUHb5w4JYsz9pGAgtMhjgxrb62IPJ9Aq0kz4zoCxx18JHKe2fQ==</xenc:CipherValue></xenc:CipherData><xenc:ReferenceList><xenc:DataReference URI="#ED-78dde59f-2a71-4542-aa9a-b94d59cbf295"/><xenc:DataReference URI="#ED-b55e6f58-8b30-4c68-8686-881ea4652e83"/></xenc:ReferenceList></xenc:EncryptedKey><xenc:EncryptedData xmlns:xenc="http://www.w3.org/2001/04/xmlenc#" Id="ED-78dde59f-2a71-4542-aa9a-b94d59cbf295" Type="http://www.w3.org/2001/04/xmlenc#Element"><xenc:EncryptionMethod Algorithm="http://www.w3.org/2001/04/xmlenc#aes128-cbc"/><ds:KeyInfo xmlns:ds="http://www.w3.org/2000/09/xmldsig#"><wsse:SecurityTokenReference xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd" xmlns:wsse11="http://docs.oasis-open.org/wss/oasis-wss-wssecurity-secext-1.1.xsd" wsse11:TokenType="http://docs.oasis-open.org/wss/oasis-wss-soap-message-security-1.1#EncryptedKey"><wsse:Reference URI="#EK-809f0098-5e90-402d-9906-aae91d9249b5"/></wsse:SecurityTokenReference></ds:KeyInfo><xenc:CipherData><xenc:CipherValue></xenc:CipherValue></xenc:CipherData></xenc:EncryptedData><wsu:Timestamp wsu:Id="TS-4d2c8fa3-76cf-4e14-b122-bc52fc48d14a"><wsu:Created>2019-10-06T22:06:41.396Z</wsu:Created><wsu:Expires>2019-10-06T22:07:11.396Z</wsu:Expires></wsu:Timestamp><wsse:UsernameToken wsu:Id="UsernameToken-58bcaf05-2286-49cd-a7a7-b3e3a844f214"><wsse:Username>cac6584</wsse:Username><wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-token-profile-1.0#PasswordText">XC3590rr</wsse:Password></wsse:UsernameToken></wsse:Security></soap:Header><xenc:EncryptedData xmlns:xenc="http://www.w3.org/2001/04/xmlenc#" Id="ED-b55e6f58-8b30-4c68-8686-881ea4652e83" Type="http://www.w3.org/2001/04/xmlenc#Element"><xenc:EncryptionMethod Algorithm="http://www.w3.org/2001/04/xmlenc#aes128-cbc"/><ds:KeyInfo xmlns:ds="http://www.w3.org/2000/09/xmldsig#"><wsse:SecurityTokenReference xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd" xmlns:wsse11="http://docs.oasis-open.org/wss/oasis-wss-wssecurity-secext-1.1.xsd" wsse11:TokenType="http://docs.oasis-open.org/wss/oasis-wss-soap-message-security-1.1#EncryptedKey"><wsse:Reference URI="#EK-809f0098-5e90-402d-9906-aae91d9249b5"/></wsse:SecurityTokenReference></ds:KeyInfo><xenc:CipherData><xenc:CipherValue>OVx5p+2DFhMliS2VmLpcR8QjPeCyPjhj79Y9F6ZAZHBk6L41mL1bX2ACasM7e3E0j48fngiWIwZnD+acGFlDjLwYYIWvYUxupLdHw3ENxEff9IZZi80yTd+kxANA0qbjmWvl6rka1tog5lqdeaxshB0ClhDFtw/zBbGt5e0oucGXhSu+tYB+WOfiS0FT//VD/FJOrtS5xcuNHPPMiiwGbRhSgog7SuUxT1ApldqMR0C13jLhgxFhBxAH6A+SKp1BTgyRq3AfH0OYv0nAHxsaFu+RLv2Z87mu2I1aF8qocTnlMJjc+c/b+qdKjSIxMcCvoIuEKI9mplFqyK0Bvnr8HuX+LK/OZBPlCnwqKP4/474USxkUylJY+mi2S4VZZcsegfvi6lT4cqnH7Zke4apgajmR3HAyEOMZHXV7k9KTVEs=</xenc:CipherValue></xenc:CipherData></xenc:EncryptedData></soap:Envelope>**

**--------------------------------------**

**Oct 06, 2019 5:06:41 PM org.apache.cxf.phase.PhaseInterceptorChain doDefaultLogging**

**WARNING: Interceptor for {http://apacheCXFCalc/}CXFInterfaceService has thrown exception, unwinding now**

**java.util.NoSuchElementException**

**at com.ctc.wstx.sr.BasicStreamReader.next(BasicStreamReader.java:1145)**

**at org.apache.cxf.binding.soap.interceptor.StartBodyInterceptor.handleMessage(StartBodyInterceptor.java:59)**

**at org.apache.cxf.binding.soap.interceptor.StartBodyInterceptor.handleMessage(StartBodyInterceptor.java:37)**

**at org.apache.cxf.phase.PhaseInterceptorChain.doIntercept(PhaseInterceptorChain.java:308)**

**at org.apache.cxf.transport.ChainInitiationObserver.onMessage(ChainInitiationObserver.java:121)**

**at org.apache.cxf.transport.http.AbstractHTTPDestination.invoke(AbstractHTTPDestination.java:252)**

**at org.apache.cxf.transport.servlet.ServletController.invokeDestination(ServletController.java:234)**

**at org.apache.cxf.transport.servlet.ServletController.invoke(ServletController.java:208)**

**at org.apache.cxf.transport.servlet.ServletController.invoke(ServletController.java:160)**

**at org.apache.cxf.transport.servlet.CXFNonSpringServlet.invoke(CXFNonSpringServlet.java:180)**

**at org.apache.cxf.transport.servlet.AbstractHTTPServlet.handleRequest(AbstractHTTPServlet.java:299)**

**at org.apache.cxf.transport.servlet.AbstractHTTPServlet.doPost(AbstractHTTPServlet.java:218)**

**at javax.servlet.http.HttpServlet.service(HttpServlet.java:661)**

**at org.apache.cxf.transport.servlet.AbstractHTTPServlet.service(AbstractHTTPServlet.java:274)**

**at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:231)**

**at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166)**

**at org.apache.tomcat.websocket.server.WsFilter.doFilter(WsFilter.java:52)**

**at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:193)**

**at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166)**

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**at org.apache.catalina.core.StandardHostValve.invoke(StandardHostValve.java:137)**

**at org.apache.catalina.valves.ErrorReportValve.invoke(ErrorReportValve.java:81)**

**at org.apache.catalina.valves.AbstractAccessLogValve.invoke(AbstractAccessLogValve.java:660)**

**at org.apache.catalina.core.StandardEngineValve.invoke(StandardEngineValve.java:87)**

**at org.apache.catalina.connector.CoyoteAdapter.service(CoyoteAdapter.java:343)**

**at org.apache.coyote.http11.Http11Processor.service(Http11Processor.java:798)**

**at org.apache.coyote.AbstractProcessorLight.process(AbstractProcessorLight.java:66)**

**at org.apache.coyote.AbstractProtocol$ConnectionHandler.process(AbstractProtocol.java:808)**

**at org.apache.tomcat.util.net.NioEndpoint$SocketProcessor.doRun(NioEndpoint.java:1498)**

**at org.apache.tomcat.util.net.SocketProcessorBase.run(SocketProcessorBase.java:49)**

**at java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1149)**

**at java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:624)**

**at org.apache.tomcat.util.threads.TaskThread$WrappingRunnable.run(TaskThread.java:61)**

**at java.lang.Thread.run(Thread.java:748)**

**Resoultion : Values are case-sensitive. I have kept element instead of Element.**

outProperties.put(WSHandlerConstants.***ENCRYPTION\_PARTS***, "{Element}{http://www.w3.org/2000/09/xmldsig#}Signature;{Content}{http://schemas.xmlsoap.org/soap/envelope/}Body");

**Schema reference is not showing as hyperlink**

**Oct 10, 2019 5:53:49 PM org.apache.cxf.phase.PhaseInterceptorChain doDefaultLogging**

**WARNING: Interceptor for {http://www.rmw.org/RMWRetro/}RMWRetroService#{http://www.rmw.org/RMWRetro/}getContent has thrown exception, unwinding now**

**java.lang.ClassCastException: javax.xml.namespace.QName cannot be cast to java.lang.String**

**at org.apache.wss4j.dom.handler.WSHandler.getString(WSHandler.java:1397)**

**at org.apache.cxf.ws.security.wss4j.WSS4JOutInterceptor$WSS4JOutInterceptorInternal.handleMessageInternal(WSS4JOutInterceptor.java:181)**

**at org.apache.cxf.ws.security.wss4j.WSS4JOutInterceptor$WSS4JOutInterceptorInternal.handleMessage(WSS4JOutInterceptor.java:135)**

**at org.apache.cxf.ws.security.wss4j.WSS4JOutInterceptor$WSS4JOutInterceptorInternal.handleMessage(WSS4JOutInterceptor.java:122)**

**at org.apache.cxf.phase.PhaseInterceptorChain.doIntercept(PhaseInterceptorChain.java:308)**

**at org.apache.cxf.endpoint.ClientImpl.doInvoke(ClientImpl.java:514)**

**at org.apache.cxf.endpoint.ClientImpl.invoke(ClientImpl.java:423)**

**at org.apache.cxf.endpoint.ClientImpl.invoke(ClientImpl.java:324)**

**at org.apache.cxf.endpoint.ClientImpl.invoke(ClientImpl.java:277)**

**at org.apache.cxf.frontend.ClientProxy.invokeSync(ClientProxy.java:96)**

**at org.apache.cxf.jaxws.JaxWsClientProxy.invoke(JaxWsClientProxy.java:139)**

**at com.sun.proxy.$Proxy31.getContent(Unknown Source)**

**at com.rmw.contentmanagement.ContentMgrClient.App.main(App.java:47)**

**Exception in thread "main" javax.xml.ws.soap.SOAPFaultException: javax.xml.namespace.QName cannot be cast to java.lang.String**

**at org.apache.cxf.jaxws.JaxWsClientProxy.invoke(JaxWsClientProxy.java:161)**

**at com.sun.proxy.$Proxy31.getContent(Unknown Source)**

**at com.rmw.contentmanagement.ContentMgrClient.App.main(App.java:47)**

**Caused by: java.lang.ClassCastException: javax.xml.namespace.QName cannot be cast to java.lang.String**

**at org.apache.wss4j.dom.handler.WSHandler.getString(WSHandler.java:1397)**

**at org.apache.cxf.ws.security.wss4j.WSS4JOutInterceptor$WSS4JOutInterceptorInternal.handleMessageInternal(WSS4JOutInterceptor.java:181)**

**at org.apache.cxf.ws.security.wss4j.WSS4JOutInterceptor$WSS4JOutInterceptorInternal.handleMessage(WSS4JOutInterceptor.java:135)**

**at org.apache.cxf.ws.security.wss4j.WSS4JOutInterceptor$WSS4JOutInterceptorInternal.handleMessage(WSS4JOutInterceptor.java:122)**

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**at org.apache.cxf.endpoint.ClientImpl.invoke(ClientImpl.java:324)**

**at org.apache.cxf.endpoint.ClientImpl.invoke(ClientImpl.java:277)**

**at org.apache.cxf.frontend.ClientProxy.invokeSync(ClientProxy.java:96)**

**at org.apache.cxf.jaxws.JaxWsClientProxy.invoke(JaxWsClientProxy.java:139)**

**... 2 more**

WSConstants.***USERNAME\_TOKEN should be*** WSHandlerConstants. ***USERNAME\_TOKEN***

**Oct 10, 2019 10:35:27 PM org.apache.cxf.phase.PhaseInterceptorChain doDefaultLogging**

**WARNING: Interceptor for {http://www.rmw.org/RMWRetro/}RMWRetroService#{http://www.rmw.org/RMWRetro/}getContent has thrown exception, unwinding now**

**org.apache.cxf.binding.soap.SoapFault: A security error was encountered when verifying the message**

**at org.apache.cxf.ws.security.wss4j.WSS4JUtils.createSoapFault(WSS4JUtils.java:233)**

**at org.apache.cxf.ws.security.wss4j.WSS4JInInterceptor.handleMessageInternal(WSS4JInInterceptor.java:317)**

**at org.apache.cxf.ws.security.wss4j.WSS4JInInterceptor.handleMessage(WSS4JInInterceptor.java:171)**

**at org.apache.cxf.ws.security.wss4j.WSS4JInInterceptor.handleMessage(WSS4JInInterceptor.java:80)**

**at org.apache.cxf.phase.PhaseInterceptorChain.doIntercept(PhaseInterceptorChain.java:308)**

**at org.apache.cxf.transport.ChainInitiationObserver.onMessage(ChainInitiationObserver.java:121)**

**at org.apache.cxf.transport.http.AbstractHTTPDestination.invoke(AbstractHTTPDestination.java:252)**

**at org.apache.cxf.transport.servlet.ServletController.invokeDestination(ServletController.java:234)**

**at org.apache.cxf.transport.servlet.ServletController.invoke(ServletController.java:208)**

**at org.apache.cxf.transport.servlet.ServletController.invoke(ServletController.java:160)**

**at org.apache.cxf.transport.servlet.CXFNonSpringServlet.invoke(CXFNonSpringServlet.java:180)**

**at org.apache.cxf.transport.servlet.AbstractHTTPServlet.handleRequest(AbstractHTTPServlet.java:299)**

**at org.apache.cxf.transport.servlet.AbstractHTTPServlet.doPost(AbstractHTTPServlet.java:218)**

**at javax.servlet.http.HttpServlet.service(HttpServlet.java:661)**

**at org.apache.cxf.transport.servlet.AbstractHTTPServlet.service(AbstractHTTPServlet.java:274)**

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**at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166)**

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**at org.apache.catalina.authenticator.AuthenticatorBase.invoke(AuthenticatorBase.java:493)**

**at org.apache.catalina.core.StandardHostValve.invoke(StandardHostValve.java:137)**

**at org.apache.catalina.valves.ErrorReportValve.invoke(ErrorReportValve.java:81)**

**at org.apache.catalina.valves.AbstractAccessLogValve.invoke(AbstractAccessLogValve.java:660)**

**at org.apache.catalina.core.StandardEngineValve.invoke(StandardEngineValve.java:87)**

**at org.apache.catalina.connector.CoyoteAdapter.service(CoyoteAdapter.java:343)**

**at org.apache.coyote.http11.Http11Processor.service(Http11Processor.java:798)**

**at org.apache.coyote.AbstractProcessorLight.process(AbstractProcessorLight.java:66)**

**at org.apache.coyote.AbstractProtocol$ConnectionHandler.process(AbstractProtocol.java:808)**

**at org.apache.tomcat.util.net.NioEndpoint$SocketProcessor.doRun(NioEndpoint.java:1498)**

**at org.apache.tomcat.util.net.SocketProcessorBase.run(SocketProcessorBase.java:49)**

**at java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1149)**

**at java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:624)**

**at org.apache.tomcat.util.threads.TaskThread$WrappingRunnable.run(TaskThread.java:61)**

**at java.lang.Thread.run(Thread.java:748)**

**Caused by: org.apache.wss4j.common.ext.WSSecurityException: The private key for the supplied alias does not exist in the keystore**

**Original Exception was org.apache.wss4j.common.ext.WSSecurityException: The private key for the supplied alias does not exist in the keystore**

**Original Exception was java.security.UnrecoverableKeyException: Cannot recover key**

**at org.apache.wss4j.dom.processor.EncryptedKeyProcessor.getPrivateKey(EncryptedKeyProcessor.java:261)**

**at org.apache.wss4j.dom.processor.EncryptedKeyProcessor.handleToken(EncryptedKeyProcessor.java:215)**

**at org.apache.wss4j.dom.processor.EncryptedKeyProcessor.handleToken(EncryptedKeyProcessor.java:81)**

**at org.apache.wss4j.dom.engine.WSSecurityEngine.processSecurityHeader(WSSecurityEngine.java:344)**

**at org.apache.cxf.ws.security.wss4j.WSS4JInInterceptor.handleMessageInternal(WSS4JInInterceptor.java:268)**

**... 35 more**

**Caused by: org.apache.wss4j.common.ext.WSSecurityException: The private key for the supplied alias does not exist in the keystore**

**Original Exception was java.security.UnrecoverableKeyException: Cannot recover key**

**at org.apache.wss4j.common.crypto.Merlin.getPrivateKey(Merlin.java:767)**

**at org.apache.wss4j.common.crypto.Merlin.getPrivateKey(Merlin.java:680)**

**at org.apache.wss4j.dom.processor.EncryptedKeyProcessor.getPrivateKey(EncryptedKeyProcessor.java:255)**

**... 39 more**

**Caused by: java.security.UnrecoverableKeyException: Cannot recover key**

**I have not provided password in the callback handler – for keystore**

**Oct 11, 2019 9:29:52 AM org.apache.cxf.services.RMWRetroService.RMWRetroPort.RMWRetro**

**INFO: Inbound Message**

**----------------------------**

**ID: 1**

**Address: http://localhost:8080/sumws/services/RMWEcontent?wsdl**

**Http-Method: GET**

**Content-Type:**

**Headers: {Accept=[\*/\*], cache-control=[no-cache], connection=[keep-alive], Content-Type=[null], host=[localhost:8080], pragma=[no-cache], user-agent=[Apache-CXF/3.1.9]}**

**--------------------------------------**

**Oct 11, 2019 9:29:53 AM org.apache.cxf.services.RMWRetroService.RMWRetroPort.RMWRetro**

**INFO: Inbound Message**

**----------------------------**

**ID: 2**

**Address: http://localhost:8080/sumws/services/RMWEcontent**

**Encoding: UTF-8**

**Http-Method: POST**

**Content-Type: text/xml; charset=UTF-8**

**Headers: {Accept=[\*/\*], cache-control=[no-cache], connection=[keep-alive], content-type=[text/xml; charset=UTF-8], host=[localhost:8080], pragma=[no-cache], SOAPAction=["http://www.rmw.org/RMWRetro/getContent"], transfer-encoding=[chunked], user-agent=[Apache-CXF/3.1.9]}**

**Payload: <soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"><soap:Header><wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd" soap:mustUnderstand="1"><ds:Signature xmlns:ds="http://www.w3.org/2000/09/xmldsig#" Id="SIG-15b1bccf-be7f-42a9-8507-7efbb6fd9c86"><ds:SignedInfo><ds:CanonicalizationMethod Algorithm="http://www.w3.org/2001/10/xml-exc-c14n#"><ec:InclusiveNamespaces xmlns:ec="http://www.w3.org/2001/10/xml-exc-c14n#" PrefixList="soap"/></ds:CanonicalizationMethod><ds:SignatureMethod Algorithm="http://www.w3.org/2000/09/xmldsig#rsa-sha1"/><ds:Reference URI="#id-e55c0579-23e3-458e-bd8c-867ac0bcebb8"><ds:Transforms><ds:Transform Algorithm="http://www.w3.org/2001/10/xml-exc-c14n#"/></ds:Transforms><ds:DigestMethod Algorithm="http://www.w3.org/2000/09/xmldsig#sha1"/><ds:DigestValue>B0xPXQVvqBc+96z/1vX7gtCig/4=</ds:DigestValue></ds:Reference></ds:SignedInfo><ds:SignatureValue>VLt1BV/FGATSBoIxFROCrqkt+tfYTIWjPh+bdh2u3iYBfPkpzxgfNSeNRUyvm7Qpkew3lL26mubN124zztCHui2OI0XNuz8wdvr9ValS4M/Ix6wFb5bEIZsKVMoDcDgF3pxSllDc4V4+fa32ic4tauD3XqmlqorwGxUihPkuiZeeA/xShOhdVfWjm1kNW/95BPHvmf+DJxbJtQ77enb7zollVw/rcJddgRzEBkh9QsjIwSxLH2KhtmkXjNtHokBsMxXfjeAAWudPsr0CzN9UN7Kec037//W+aR92OSBHkXpsxqDY6ETPVT1Xb/UVpBbm1G592wdypaL6xF6mG/QErw==</ds:SignatureValue><ds:KeyInfo Id="KI-38b47dc8-c4cc-4a7c-9121-da7dbd9ae51c"><wsse:SecurityTokenReference xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd" wsu:Id="STR-22ac644f-7291-49f4-9d93-db79285b3d29"><ds:X509Data><ds:X509IssuerSerial><ds:X509IssuerName>CN=RMWClient</ds:X509IssuerName><ds:X509SerialNumber>966720570</ds:X509SerialNumber></ds:X509IssuerSerial></ds:X509Data></wsse:SecurityTokenReference></ds:KeyInfo></ds:Signature><xenc:EncryptedKey xmlns:xenc="http://www.w3.org/2001/04/xmlenc#" Id="EK-ed75e85a-9cd1-4d0c-88c9-24d1e285a3b2"><xenc:EncryptionMethod Algorithm="http://www.w3.org/2001/04/xmlenc#rsa-oaep-mgf1p"/><ds:KeyInfo xmlns:ds="http://www.w3.org/2000/09/xmldsig#"><wsse:SecurityTokenReference><ds:X509Data><ds:X509IssuerSerial><ds:X509IssuerName>CN=RMWServer</ds:X509IssuerName><ds:X509SerialNumber>1668778257</ds:X509SerialNumber></ds:X509IssuerSerial></ds:X509Data></wsse:SecurityTokenReference></ds:KeyInfo><xenc:CipherData><xenc:CipherValue>Sr060qoX9SR7cOG+XHf2eK0tPJxpqENsMX3eBbY77oFG3uRRLLVRUl7YEcK0Y/pUxLXZ3q4pwfa9ZVBnt+plLM3TU7GsP/YBL7Zh5dYpRSWDRNS3hVlntzM2sHoOuzt4qO7NtfNsAyh6J9V6jQPaMnkODPU84ksx5hrNMdIe5BQOH7tVG9Lkmh9zFUTM56iYQENzpWprh5QTLLeFvGAY2F1xGhL6Slj2EM0tRoYUm0yuTwCBQoIplkpN/e2xD88yrCvYdNRV0LrCbH5a2/dNLAEsjyzRKse75Oq2iS7fr8ghX9B1Y1fhzyd0eslas71aamcODMdmNiGMmMY16Jhjew==</xenc:CipherValue></xenc:CipherData><xenc:ReferenceList><xenc:DataReference URI="#ED-1ec6f3cc-5acc-4b36-81a5-c58a9403b5b6"/></xenc:ReferenceList></xenc:EncryptedKey><wsse:UsernameToken wsu:Id="UsernameToken-cc333fdb-f236-4454-b2a3-16cedfcf3651"><wsse:Username>test</wsse:Username><wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-token-profile-1.0#PasswordText">test</wsse:Password></wsse:UsernameToken></wsse:Security></soap:Header><soap:Body xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd" wsu:Id="id-e55c0579-23e3-458e-bd8c-867ac0bcebb8"><xenc:EncryptedData xmlns:xenc="http://www.w3.org/2001/04/xmlenc#" Id="ED-1ec6f3cc-5acc-4b36-81a5-c58a9403b5b6" Type="http://www.w3.org/2001/04/xmlenc#Content"><xenc:EncryptionMethod Algorithm="http://www.w3.org/2001/04/xmlenc#aes128-cbc"/><ds:KeyInfo xmlns:ds="http://www.w3.org/2000/09/xmldsig#"><wsse:SecurityTokenReference xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd" xmlns:wsse11="http://docs.oasis-open.org/wss/oasis-wss-wssecurity-secext-1.1.xsd" wsse11:TokenType="http://docs.oasis-open.org/wss/oasis-wss-soap-message-security-1.1#EncryptedKey"><wsse:Reference URI="#EK-ed75e85a-9cd1-4d0c-88c9-24d1e285a3b2"/></wsse:SecurityTokenReference></ds:KeyInfo><xenc:CipherData><xenc:CipherValue>V+QFNHX1SUzV7ICaLbQx0DxV0BhWd9zhCHe0NJDt/2RtlzthHjx2S+wrvu9WbkTtQLbkFX/A1W1zA5TUvi9e7xvYSP2cJWIGNKqH5SfyjmcenacDGt1qURAra1lm289Pp0rPZc7Rn6OPntX7/d7byF5B1ww7oZ6ctQExNgz8ZAhmyrLwTJZNkJgYgx0KW648XkJkPo/y6Y8pMNx3L+RrAA==</xenc:CipherValue></xenc:CipherData></xenc:EncryptedData></soap:Body></soap:Envelope>**

**--------------------------------------**

**Oct 11, 2019 9:29:55 AM org.apache.cxf.phase.PhaseInterceptorChain doDefaultLogging**

**WARNING: Interceptor for {http://www.rmw.org/RMWRetro/}RMWRetroService#{http://www.rmw.org/RMWRetro/}getContent has thrown exception, unwinding now**

**org.apache.cxf.binding.soap.SoapFault: Security processing failed.**

**at org.apache.cxf.ws.security.wss4j.WSS4JOutInterceptor$WSS4JOutInterceptorInternal.handleMessageInternal(WSS4JOutInterceptor.java:268)**

**at org.apache.cxf.ws.security.wss4j.WSS4JOutInterceptor$WSS4JOutInterceptorInternal.handleMessage(WSS4JOutInterceptor.java:135)**

**at org.apache.cxf.ws.security.wss4j.WSS4JOutInterceptor$WSS4JOutInterceptorInternal.handleMessage(WSS4JOutInterceptor.java:122)**

**at org.apache.cxf.phase.PhaseInterceptorChain.doIntercept(PhaseInterceptorChain.java:308)**

**at org.apache.cxf.interceptor.OutgoingChainInterceptor.handleMessage(OutgoingChainInterceptor.java:83)**

**at org.apache.cxf.phase.PhaseInterceptorChain.doIntercept(PhaseInterceptorChain.java:308)**

**at org.apache.cxf.transport.ChainInitiationObserver.onMessage(ChainInitiationObserver.java:121)**

**at org.apache.cxf.transport.http.AbstractHTTPDestination.invoke(AbstractHTTPDestination.java:252)**

**at org.apache.cxf.transport.servlet.ServletController.invokeDestination(ServletController.java:234)**

**at org.apache.cxf.transport.servlet.ServletController.invoke(ServletController.java:208)**

**at org.apache.cxf.transport.servlet.ServletController.invoke(ServletController.java:160)**

**at org.apache.cxf.transport.servlet.CXFNonSpringServlet.invoke(CXFNonSpringServlet.java:180)**

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**at org.apache.cxf.transport.servlet.AbstractHTTPServlet.doPost(AbstractHTTPServlet.java:218)**

**at javax.servlet.http.HttpServlet.service(HttpServlet.java:661)**

**at org.apache.cxf.transport.servlet.AbstractHTTPServlet.service(AbstractHTTPServlet.java:274)**

**at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:231)**

**at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166)**

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**at org.apache.catalina.connector.CoyoteAdapter.service(CoyoteAdapter.java:343)**

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**at java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:624)**

**at org.apache.tomcat.util.threads.TaskThread$WrappingRunnable.run(TaskThread.java:61)**

**at java.lang.Thread.run(Thread.java:748)**

**Caused by: org.apache.wss4j.common.ext.WSSecurityException: WSHandler: application provided null or empty password**

**at org.apache.wss4j.dom.handler.WSHandler.getPasswordCB(WSHandler.java:1135)**

**at org.apache.wss4j.dom.action.SignatureAction.execute(SignatureAction.java:58)**

**at org.apache.wss4j.dom.handler.WSHandler.doSenderAction(WSHandler.java:230)**

**at org.apache.cxf.ws.security.wss4j.WSS4JOutInterceptor.access$100(WSS4JOutInterceptor.java:54)**

**at org.apache.cxf.ws.security.wss4j.WSS4JOutInterceptor$WSS4JOutInterceptorInternal.handleMessageInternal(WSS4JOutInterceptor.java:260)**

**... 37 more**

**Oct 11, 2019 9:29:55 AM org.apache.cxf.services.RMWRetroService.RMWRetroPort.RMWRetro**

**INFO: Outbound Message**

**---------------------------**

**ID: 2**

**Response-Code: 500**

**Encoding: UTF-8**

**Content-Type: text/xml**

**Headers: {}**

**Payload: <soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"><soap:Body><soap:Fault><faultcode>soap:Client</faultcode><faultstring>Security processing failed.</faultstring></soap:Fault></soap:Body></soap:Envelope>**