No xerces or JAXP in the classpath….

java.lang.NoClassDefFoundError: com/sun/xml/messaging/saaj/soap/SOAPDocumentImpl

Details…

at com.ibm.ws.wim.ProfileManager.loginImpl(ProfileManager.java:3920)

 at com.ibm.ws.wim.ProfileManager.genericProfileManagerMethod(ProfileManager.java:348)

 at com.ibm.ws.wim.ProfileManager.login(ProfileManager.java:456)

 at com.ibm.websphere.wim.ServiceProvider.login(ServiceProvider.java:506)

 at com.ibm.ws.wim.registry.util.LoginBridge.checkPassword(LoginBridge.java:171)

 at com.ibm.ws.wim.registry.WIMUserRegistry$1.run(WIMUserRegistry.java:234)

 at com.ibm.ws.security.auth.ContextManagerImpl.runAs(ContextManagerImpl.java:5429)

 at com.ibm.ws.security.auth.ContextManagerImpl.runAsSystem(ContextManagerImpl.java:5555)

 at com.ibm.ws.wim.security.authz.jacc.JACCSecurityManager.runAsSuperUser(JACCSecurityManager.java:438)

 at com.ibm.ws.wim.env.was.JACCAuthorizationService.runAsSuperUser(JACCAuthorizationService.java:1069)

 at com.ibm.ws.wim.security.authz.ProfileSecurityManager.runAsSuperUser(ProfileSecurityManager.java:285)

 at com.ibm.ws.wim.registry.WIMUserRegistry.checkPassword(WIMUserRegistry.java:225)

 at com.ibm.ws.security.registry.UserRegistryImpl.checkPassword(UserRegistryImpl.java:394)

 at com.ibm.ws.security.ltpa.LTPAServerObject.authenticate(LTPAServerObject.java:983)

 at com.ibm.ws.security.server.lm.ltpaLoginModule.login(ltpaLoginModule.java:655)

 at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)

 at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:60)

 at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:37)

 at java.lang.reflect.Method.invoke(Method.java:611)

 at javax.security.auth.login.LoginContext.invoke(LoginContext.java:795)

 at javax.security.auth.login.LoginContext.access$000(LoginContext.java:209)

 at javax.security.auth.login.LoginContext$4.run(LoginContext.java:709)

 at java.security.AccessController.doPrivileged(AccessController.java:280)

 at javax.security.auth.login.LoginContext.invokePriv(LoginContext.java:706)

 at javax.security.auth.login.LoginContext.login(LoginContext.java:603)

 at com.ibm.ws.security.auth.JaasLoginHelper.jaas\_login(JaasLoginHelper.java:491)

 at com.ibm.ws.security.auth.ContextManagerImpl.login(ContextManagerImpl.java:4739)

 at com.ibm.ws.security.auth.ContextManagerImpl.login(ContextManagerImpl.java:4361)

 at com.ibm.ws.security.auth.ContextManagerImpl.login(ContextManagerImpl.java:4357)

 at com.ibm.ws.security.web.WebAuthenticator.basicAuthenticate(WebAuthenticator.java:3727)

 at com.ibm.ws.security.web.WebAuthenticator.handleBasicAuth(WebAuthenticator.java:2915)

 at com.ibm.ws.security.web.WebAuthenticator.authenticate(WebAuthenticator.java:3241)

 at com.ibm.ws.security.web.WebCollaborator.SetAuthenticatedSubjectIfNeeded(WebCollaborator.java:3099)

 at com.ibm.ws.security.web.WebCollaborator.authorize(WebCollaborator.java:651)

 at com.ibm.ws.security.web.EJSWebCollaborator.preInvoke(EJSWebCollaborator.java:430)

 at com.ibm.ws.webcontainer.collaborator.WebAppSecurityCollaboratorImpl.preInvoke(WebAppSecurityCollaboratorImpl.java:230)

 at com.ibm.wsspi.webcontainer.collaborator.CollaboratorHelper.preInvokeCollaborators(CollaboratorHelper.java:431)

 at com.ibm.ws.webcontainer.filter.WebAppFilterManager.invokeFilters(WebAppFilterManager.java:1020)

 at com.ibm.ws.webcontainer.servlet.CacheServletWrapper.handleRequest(CacheServletWrapper.java:87)

 at com.ibm.ws.webcontainer.WebContainer.handleRequest(WebContainer.java:895)

 at com.ibm.ws.webcontainer.WSWebContainer.handleRequest(WSWebContainer.java:1662)

 at com.ibm.ws.webcontainer.channel.WCChannelLink.ready(WCChannelLink.java:195)

 at com.ibm.ws.http.channel.inbound.impl.HttpInboundLink.handleDiscrimination(HttpInboundLink.java:458)

 at com.ibm.ws.http.channel.inbound.impl.HttpInboundLink.handleNewRequest(HttpInboundLink.java:522)

 at com.ibm.ws.http.channel.inbound.impl.HttpInboundLink.processRequest(HttpInboundLink.java:311)

 at com.ibm.ws.http.channel.inbound.impl.HttpICLReadCallback.complete(HttpICLReadCallback.java:87)

 at com.ibm.ws.tcp.channel.impl.AioReadCompletionListener.futureCompleted(AioReadCompletionListener.java:165)

 at com.ibm.io.async.AbstractAsyncFuture.invokeCallback(AbstractAsyncFuture.java:217)

 at com.ibm.io.async.AsyncChannelFuture.fireCompletionActions(AsyncChannelFuture.java:161)

 at com.ibm.io.async.AsyncFuture.completed(AsyncFuture.java:138)

 at com.ibm.io.async.ResultHandler.complete(ResultHandler.java:204)

 at com.ibm.io.async.ResultHandler.runEventProcessingLoop(ResultHandler.java:775)

 at com.ibm.io.async.ResultHandler$2.run(ResultHandler.java:905)

 at com.ibm.ws.util.ThreadPool$Worker.run(ThreadPool.java:1783)

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[7/3/14 21:42:11:487 IST] 00000075 http E caught throwable

 java.lang.NoClassDefFoundError: com/sun/xml/messaging/saaj/soap/SOAPDocumentImpl

 at com.sun.xml.messaging.saaj.soap.SOAPPartImpl.<init>(SOAPPartImpl.java:96)

 at com.sun.xml.messaging.saaj.soap.ver1\_1.SOAPPart1\_1Impl.<init>(SOAPPart1\_1Impl.java:68)

 at com.sun.xml.messaging.saaj.soap.ver1\_1.Message1\_1Impl.getSOAPPart(Message1\_1Impl.java:88)

 at com.sun.xml.messaging.saaj.soap.MessageImpl.getSOAPHeader(MessageImpl.java:1272)

 at com.sun.xml.ws.message.stream.StreamHeader.writeTo(StreamHeader.java:214)

Including XercesImpl.jar in the classpath (Implementation-Version: Xerces-J\_2\_5\_0)

Caused by: javax.xml.parsers.ParserConfigurationException: jaxp\_feature\_not\_supported: Feature "http://xml.org/sax/features/external-general-entities" is not supported.

Details..

 R java.lang.RuntimeException: Creating SOAP header failed!

 R at org.apache.chemistry.opencmis.commons.impl.tube.server.WssTube.processResponse(WssTube.java:79)

 R at com.sun.xml.ws.api.pipe.Fiber.\_\_doRun(Fiber.java:608)

 R at com.sun.xml.ws.api.pipe.Fiber.\_doRun(Fiber.java:557)

 R at com.sun.xml.ws.api.pipe.Fiber.doRun(Fiber.java:542)

 R at com.sun.xml.ws.api.pipe.Fiber.runSync(Fiber.java:439)

 R at com.sun.xml.ws.server.WSEndpointImpl$2.process(WSEndpointImpl.java:243)

 R at com.sun.xml.ws.transport.http.HttpAdapter$HttpToolkit.handle(HttpAdapter.java:471)

 R at com.sun.xml.ws.transport.http.HttpAdapter.handle(HttpAdapter.java:244)

 R at com.sun.xml.ws.transport.http.servlet.ServletAdapter.handle(ServletAdapter.java:135)

 R at com.sun.xml.ws.transport.http.servlet.WSServletDelegate.doGet(WSServletDelegate.java:129)

 R at com.sun.xml.ws.transport.http.servlet.WSServletDelegate.doPost(WSServletDelegate.java:160)

 R at com.sun.xml.ws.transport.http.servlet.WSServlet.doPost(WSServlet.java:75)

 R at javax.servlet.http.HttpServlet.service(HttpServlet.java:595)

 R at org.apache.chemistry.opencmis.server.impl.webservices.CmisWebServicesServlet.service(CmisWebServicesServlet.java:154)

 R at javax.servlet.http.HttpServlet.service(HttpServlet.java:668)

 R at com.ibm.ws.webcontainer.servlet.ServletWrapper.service(ServletWrapper.java:1214)

 R at com.ibm.ws.webcontainer.servlet.ServletWrapper.handleRequest(ServletWrapper.java:774)

 R at com.ibm.ws.webcontainer.servlet.ServletWrapper.handleRequest(ServletWrapper.java:456)

 R at com.ibm.ws.webcontainer.servlet.ServletWrapperImpl.handleRequest(ServletWrapperImpl.java:178)

 R at com.ibm.ws.webcontainer.filter.WebAppFilterManager.invokeFilters(WebAppFilterManager.java:1027)

 R at com.ibm.ws.webcontainer.servlet.CacheServletWrapper.handleRequest(CacheServletWrapper.java:87)

 R at com.ibm.ws.webcontainer.WebContainer.handleRequest(WebContainer.java:895)

 R at com.ibm.ws.webcontainer.WSWebContainer.handleRequest(WSWebContainer.java:1662)

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 R at com.ibm.ws.http.channel.inbound.impl.HttpInboundLink.handleDiscrimination(HttpInboundLink.java:458)

 R at com.ibm.ws.http.channel.inbound.impl.HttpInboundLink.handleNewRequest(HttpInboundLink.java:522)

 R at com.ibm.ws.http.channel.inbound.impl.HttpInboundLink.processRequest(HttpInboundLink.java:311)

 R at com.ibm.ws.http.channel.inbound.impl.HttpICLReadCallback.complete(HttpICLReadCallback.java:87)

 R at com.ibm.ws.tcp.channel.impl.AioReadCompletionListener.futureCompleted(AioReadCompletionListener.java:165)

 R at com.ibm.io.async.AbstractAsyncFuture.invokeCallback(AbstractAsyncFuture.java:217)

 R at com.ibm.io.async.AsyncChannelFuture.fireCompletionActions(AsyncChannelFuture.java:161)

 R at com.ibm.io.async.AsyncFuture.completed(AsyncFuture.java:138)

 R at com.ibm.io.async.ResultHandler.complete(ResultHandler.java:204)

 R at com.ibm.io.async.ResultHandler.runEventProcessingLoop(ResultHandler.java:775)

 R at com.ibm.io.async.ResultHandler$2.run(ResultHandler.java:905)

 R at com.ibm.ws.util.ThreadPool$Worker.run(ThreadPool.java:1783)

 R Caused by: javax.xml.parsers.ParserConfigurationException: jaxp\_feature\_not\_supported: Feature "http://xml.org/sax/features/external-general-entities" is not supported.

 R at com.sun.org.apache.xerces.internal.jaxp.DocumentBuilderFactoryImpl.setFeature(Unknown Source)

 R at org.apache.chemistry.opencmis.commons.impl.XMLUtils.newDocumentBuilder(XMLUtils.java:338)

 R at org.apache.chemistry.opencmis.commons.impl.XMLUtils.newDomDocument(XMLUtils.java:349)

 R at org.apache.chemistry.opencmis.commons.impl.tube.server.WssTube.processResponse(WssTube.java:61)

 R ... 35 more

Without XercesImpl.jar in the classpath but including jaxp-ri.jar version 1.4.2

With this configuration, workbench works well using web services and browser binding. However, **atompub** binding fails. No exceptions reported on the server. The workbench client has the following log…

Details..

ERROR hemistry.opencmis.workbench.ClientHelper: CmisConnectionException: Parsing exception!

org.apache.chemistry.opencmis.commons.exceptions.CmisConnectionException: Parsing exception!

 at org.apache.chemistry.opencmis.client.bindings.spi.atompub.AbstractAtomPubService.parse(AbstractAtomPubService.java:596)

 at org.apache.chemistry.opencmis.client.bindings.spi.atompub.AbstractAtomPubService.getObjectInternal(AbstractAtomPubService.java:843)

 at org.apache.chemistry.opencmis.client.bindings.spi.atompub.ObjectServiceImpl.getObject(ObjectServiceImpl.java:620)

 at org.apache.chemistry.opencmis.client.runtime.SessionImpl.getObject(SessionImpl.java:517)

 at org.apache.chemistry.opencmis.client.runtime.SessionImpl.getObject(SessionImpl.java:495)

 at org.apache.chemistry.opencmis.workbench.model.ClientModel.loadFolder(ClientModel.java:169)

 at org.apache.chemistry.opencmis.workbench.ClientFrame.showLoginForm(ClientFrame.java:359)

 at org.apache.chemistry.opencmis.workbench.ClientFrame.access$000(ClientFrame.java:55)

 at org.apache.chemistry.opencmis.workbench.ClientFrame$1.actionPerformed(ClientFrame.java:166)

 at javax.swing.AbstractButton.fireActionPerformed(AbstractButton.java:2018)

 at javax.swing.AbstractButton$Handler.actionPerformed(AbstractButton.java:2341)

 at javax.swing.DefaultButtonModel.fireActionPerformed(DefaultButtonModel.java:402)

 at javax.swing.DefaultButtonModel.setPressed(DefaultButtonModel.java:259)

 at javax.swing.plaf.basic.BasicButtonListener.mouseReleased(BasicButtonListener.java:252)

 at java.awt.Component.processMouseEvent(Component.java:6505)

 at javax.swing.JComponent.processMouseEvent(JComponent.java:3320)

 at java.awt.Component.processEvent(Component.java:6270)

 at java.awt.Container.processEvent(Container.java:2229)

 at java.awt.Component.dispatchEventImpl(Component.java:4861)

 at java.awt.Container.dispatchEventImpl(Container.java:2287)

 at java.awt.Component.dispatchEvent(Component.java:4687)

 at java.awt.LightweightDispatcher.retargetMouseEvent(Container.java:4832)

 at java.awt.LightweightDispatcher.processMouseEvent(Container.java:4492)

 at java.awt.LightweightDispatcher.dispatchEvent(Container.java:4422)

 at java.awt.Container.dispatchEventImpl(Container.java:2273)

 at java.awt.Window.dispatchEventImpl(Window.java:2719)

 at java.awt.Component.dispatchEvent(Component.java:4687)

 at java.awt.EventQueue.dispatchEventImpl(EventQueue.java:735)

 at java.awt.EventQueue.access$200(EventQueue.java:103)

 at java.awt.EventQueue$3.run(EventQueue.java:694)

 at java.awt.EventQueue$3.run(EventQueue.java:692)

 at java.security.AccessController.doPrivileged(Native Method)

 at java.security.ProtectionDomain$1.doIntersectionPrivilege(ProtectionDomain.java:76)

 at java.security.ProtectionDomain$1.doIntersectionPrivilege(ProtectionDomain.java:87)

 at java.awt.EventQueue$4.run(EventQueue.java:708)

 at java.awt.EventQueue$4.run(EventQueue.java:706)

 at java.security.AccessController.doPrivileged(Native Method)

 at java.security.ProtectionDomain$1.doIntersectionPrivilege(ProtectionDomain.java:76)

 at java.awt.EventQueue.dispatchEvent(EventQueue.java:705)

 at java.awt.EventDispatchThread.pumpOneEventForFilters(EventDispatchThread.java:242)

 at java.awt.EventDispatchThread.pumpEventsForFilter(EventDispatchThread.java:161)

 at java.awt.EventDispatchThread.pumpEventsForHierarchy(EventDispatchThread.java:150)

 at java.awt.EventDispatchThread.pumpEvents(EventDispatchThread.java:146)

 at java.awt.EventDispatchThread.pumpEvents(EventDispatchThread.java:138)

 at java.awt.EventDispatchThread.run(EventDispatchThread.java:91)

Caused by: com.ctc.wstx.exc.WstxParsingException: Non-default namespace can not map to empty URI (as per Namespace 1.0 # 2) in XML 1.0 documents

 at [row,col {unknown-source}]: [1,2206]

 at com.ctc.wstx.sr.StreamScanner.constructWfcException(StreamScanner.java:606)

 at com.ctc.wstx.sr.StreamScanner.throwParseError(StreamScanner.java:479)

> ERROR hemistry.opencmis.workbench.ClientHelper: Error code: 0