

EDIT - bug #6082

Local managed server in Taxeditor fails during start

09/13/2016 04:25 PM - Andreas Kohlbecker

Status:	Closed	Start date:	
Priority:	Highest	Due date:	
Assignee:	Andreas Kohlbecker	% Done:	100%
Category:	taxeditor	Estimated time:	0:00 hour
Target version:	Release 4.3	Found in Version:	Release 4.3
Severity:	critical		
Description			
<pre>login : editor version : 4.3.0.201609131149 server : / schema version : os : Linux 3.19.0-59-generic amd64 java : 1.8.0_60 java.lang.RuntimeException: Error during CDM server startup at eu.etaxonomy.taxeditor.webapp.CDMServer\$1.run(CDMServer.java:193) Caused by: org.springframework.beans.factory.BeanCreationException: Error creating bean with name 'transactionManager' defined in class path resource [eu/etaxonomy/cdm/persistence.xml]: Cannot res olve reference to bean 'sessionFactory' while setting bean property 'sessionFactory'; nested excep tion is org.springframework.beans.factory.BeanCreationException: Error creating bean with name 'se ssionFactory' defined in class path resource [eu/etaxonomy/cdm/security_base.xml]: Cannot resolve reference to bean 'dataSource' while setting bean property 'dataSource'; nested exception is org.s pringframework.beans.factory.BeanCreationException: Error creating bean with name 'dataSource' def ined in class path resource [eu/etaxonomy/cdm/remote/config/DataSourceConfigurer.class]: Bean inst antiation via factory method failed; nested exception is org.springframework.beans.BeanInstantiati onException: Failed to instantiate [javax.sql.DataSource]: Factory method 'dataSource' threw excep tion; nested exception is java.lang.RuntimeException: Unable to connect or to retrieve version inf o from data source com.mchange.v2.c3p0.ComboPooledDataSource[identityToken -> z8kfsx9j9yqqq81mvaz 0g 1fa429a4, dataSourceName -> z8kfsx9j9yqqq81mvaz0g 1fa429a4] at org.springframework.beans.factory.support.BeanDefinitionValueResolver.resolveReference(Bean DefinitionValueResolver.java:359) at org.springframework.beans.factory.support.BeanDefinitionValueResolver.resolveValueIfNecessa ry(BeanDefinitionValueResolver.java:108) at org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.applyPropertyV alues(AbstractAutowireCapableBeanFactory.java:1481) at org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.populateBean(A bstractAutowireCapableBeanFactory.java:1226) at org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.doCreateBean(A bstractAutowireCapableBeanFactory.java:543) at org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.createBean(Abs tractAutowireCapableBeanFactory.java:482) at org.springframework.beans.factory.support.AbstractBeanFactory\$1.getObject(AbstractBeanFacto ry.java:306) at org.springframework.beans.factory.support.DefaultSingletonBeanRegistry.getSingleton(Default SingletonBeanRegistry.java:230) at org.springframework.beans.factory.support.AbstractBeanFactory.doGetBean(AbstractBeanFacto ry.java:302) at org.springframework.beans.factory.support.AbstractBeanFactory.getBean(AbstractBeanFactory.j ava:197) at org.springframework.beans.factory.support.DefaultListableBeanFactory.preInstantiateSingleto ns(DefaultListableBeanFactory.java:772) at org.springframework.context.support.AbstractApplicationContext.finishBeanFactoryInitializat ion(AbstractApplicationContext.java:839) at org.springframework.context.support.AbstractApplicationContext.refresh(AbstractApplicationC ontext.java:538) at org.springframework.web.context.ContextLoader.configureAndRefreshWebApplicationContext(Cont extLoader.java:446) at org.springframework.web.context.ContextLoader.initWebApplicationContext(ContextLoader.java: 328)</pre>			

```
    at org.springframework.web.context.ContextLoaderListener.contextInitialized(ContextLoaderListe
ner.java:107)
    at org.eclipse.jetty.server.handler.ContextHandler.callContextInitialized(ContextHandler.java:
800)
    at org.eclipse.jetty.servlet.ServletContextHandler.callContextInitialized(ServletContextHandle
r.java:444)
    at org.eclipse.jetty.server.handler.ContextHandler.startContext(ContextHandler.java:791)
    at org.eclipse.jetty.servlet.ServletContextHandler.startContext(ServletContextHandler.java:294
)
    at org.eclipse.jetty.webapp.WebAppContext.startWebapp(WebAppContext.java:1349)
    at org.eclipse.jetty.webapp.WebAppContext.startContext(WebAppContext.java:1342)
    at org.eclipse.jetty.server.handler.ContextHandler.doStart(ContextHandler.java:741)
    at org.eclipse.jetty.webapp.WebAppContext.doStart(WebAppContext.java:505)
    at org.eclipse.jetty.util.component.AbstractLifeCycle.start(AbstractLifeCycle.java:68)
    at org.eclipse.jetty.util.component.ContainerLifeCycle.start(ContainerLifeCycle.java:132)
    at org.eclipse.jetty.server.Server.start(Server.java:387)
    at org.eclipse.jetty.util.component.ContainerLifeCycle.doStart(ContainerLifeCycle.java:114)
    at org.eclipse.jetty.server.handler.AbstractHandler.doStart(AbstractHandler.java:61)
    at org.eclipse.jetty.server.Server.doStart(Server.java:354)
    at org.eclipse.jetty.util.component.AbstractLifeCycle.start(AbstractLifeCycle.java:68)
    at eu.etaxonomy.taxeditor.webapp.CDMServer$1.run(CDMServer.java:184)
....
```

Caused by: com.mchange.v2.resourcepool.CannotAcquireResourceException: A ResourcePool could not ac
quire a resource from its primary factory or source.

```
    at com.mchange.v2.resourcepool.BasicResourcePool.awaitAvailable(BasicResourcePool.java:1469)
    at com.mchange.v2.resourcepool.BasicResourcePool.prelimCheckoutResource(BasicResourcePool.java
:644)
    at com.mchange.v2.resourcepool.BasicResourcePool.checkoutResource(BasicResourcePool.java:554)
    at com.mchange.v2.c3p0.impl.C3P0PooledConnectionPool.checkoutAndMarkConnectionInUse(C3P0Pooled
ConnectionPool.java:758)
    at com.mchange.v2.c3p0.impl.C3P0PooledConnectionPool.checkoutPooledConnection(C3P0PooledConnec
tionPool.java:685)
... 63 more
```

Caused by: java.sql.SQLException: No suitable driver

```
    at java.sql.DriverManager.getDriver(DriverManager.java:315)
    at com.mchange.v2.c3p0.DriverManagerDataSource.driver(DriverManagerDataSource.java:285)
    at com.mchange.v2.c3p0.DriverManagerDataSource.getConnection(DriverManagerDataSource.java:175)
    at com.mchange.v2.c3p0 WrapperConnectionPoolDataSource.getPooledConnection(WrapperConnectionPo
olDataSource.java:220)
    at com.mchange.v2.c3p0 WrapperConnectionPoolDataSource.getPooledConnection(WrapperConnectionPo
olDataSource.java:206)
    at com.mchange.v2.c3p0.impl.C3P0PooledConnectionPool$1PooledConnectionResourceManager.acqui
reResource(C3P0PooledConnectionPool.java:203)
    at com.mchange.v2.resourcepool.BasicResourcePool.doAcquire(BasicResourcePool.java:1138)
    at com.mchange.v2.resourcepool.BasicResourcePool.doAcquireAndDecrementPendingAcquiresWithinLoc
kOnSuccess(BasicResourcePool.java:1125)
    at com.mchange.v2.resourcepool.BasicResourcePool.access$700(BasicResourcePool.java:44)
    at com.mchange.v2.resourcepool.BasicResourcePool$ScatteredAcquireTask.run(BasicResourcePool.ja
va:1870)
    at com.mchange.v2.async.ThreadPoolAsynchronousRunner$PoolThread.run(ThreadPoolAsynchronousRunn
er.java:696)
```

The mysql driver seems to be missing!

Associated revisions

Revision 09ab8026 - 09/19/2016 03:45 PM - Andreas Kohlbecker

fix #6082 fixing incomplete entries in the eu.etaxonomy.taxeditor.webapp/build.properties

Revision ccf3875f - 09/19/2016 09:50 PM - Andreas Müller

ref #6082 try to fix dependency issues in managed TaxEditor

History

#1 - 09/14/2016 01:24 PM - Andreas Müller

- Subject changed from local managed server in Taxeditor fails during start to Local managed server in Taxeditor fails during start
- Priority changed from New to Highest
- Target version changed from Unassigned CDM tickets to Release 4.3

#2 - 09/14/2016 01:24 PM - Andreas Müller

- Assignee changed from Andreas Müller to Andreas Kohlbecker

#3 - 09/19/2016 03:31 PM - Andreas Kohlbecker

This does not happen from within the IDE and the eu.etaxonomy.taxeditor.webapp_4.3.0.201609190837.jar of the lastets NIGHTLY build contains the mysql-connector-java-5.1.24.jar, so at first glance the setup looks ok.

Need to do more in depth investigation

#4 - 09/19/2016 03:44 PM - Andreas Kohlbecker

this seems to be caused by incomplete entries in the eu.etaxonomy.taxeditor.webapp/build.properties

#5 - 09/19/2016 03:45 PM - Andreas Kohlbecker

- Status changed from New to Resolved
- % Done changed from 0 to 50

Applied in changeset taxeditor:commit:taxeditor|09ab8026ce80a7f76ad3bc250f303aee986c3dab.

#6 - 09/19/2016 05:16 PM - Andreas Kohlbecker

- Status changed from Resolved to Feedback

The changes committed before did apparently not solve the problem.
The latest build made by jenkins still was having that bug.

I tried to build the editor directly from within eclipse but this attempt failed due to

```
Cannot complete the install because one or more required items could not be found.
Software being installed: EDIT Taxonomic Editor 4.3.0.201609191704 (eu.etaxonomy.taxeditor.product 4.3.0.2016
09191704)
Missing requirement: CDM Library Dependencies Plugin 4.3.0.201609191704 (eu.etaxonomy.taxeditor.cdmlib 4.3.0.
201609191704) requires 'bundle org.apache.commons.httpclient 3.1.0' but it could not be found
Cannot satisfy dependency:
```

I have not enough experience with eclipse rcp to quickly solve that.
Can someone take over?

#7 - 09/19/2016 10:14 PM - Andreas Müller

- Status changed from Feedback to Resolved

[taxeditor|ccf3875f](#) seems to fix the problem.

Please check.

#8 - 09/20/2016 10:05 AM - Andreas Kohlbecker

- Status changed from Resolved to Closed
- % Done changed from 50 to 100

Yes this change actually fixes the problem. However, it is strange that it is necessary to explicitly name all jars in the bin.includes. Specifying the lib folder as

```
bin.includes = META-INF/, \
              ., \
              lib/
```

should include all the jars that are contained in that folder. The UI Widget of the *Build Configuration* editor works this way and the RCP documentation also tells that a folder entry should be sufficient. It would be much more reliable if this would be working as expected, since version changes in the dependencies would not require to changes in the build.propertiesfile.

#9 - 09/20/2016 10:13 AM - Andreas Müller

To be honest I am not sure which of the 3 changes was the crucial one and if they are all required.

I only remembered that I had a similar problem on my local installation and the changes finally helped. But maybe only the entries in ManifestMF and/or classpathentry did the job, as both definitely still had the wrong version number.

Maybe someone (Katja, Patrick?) can test this a bit further and try to clean the code as far as possible.