

EDIT - bug #9214

It is not possible to create a new schema in h2 database

09/03/2020 10:06 AM - Katja Luther

Status:	New	Start date:	
Priority:	New	Due date:	
Assignee:	Andreas Müller	% Done:	0%
Category:	cdmlib	Estimated time:	0:00 hour
Target version:	Release 5.46	Found in Version:	
Severity:	normal		
Description			
Trying to create a schema in an empty h2 database results in an exception:			
<pre>client error time : 2020-09-03T08:55:55.482 login : editor version : 5.17.0 server : () schema version : os : Windows 7 6.1 amd64 java : 1.8.0_171 java.lang.RuntimeException: Error during CDM server startup at eu.etaxonomy.taxeditor.webapp.CdmServer\$1.run(CdmServer.java:216) Caused by: org.springframework.beans.factory.BeanCreationException: Error creating bean with name 'persistentTermInitializer': Invocation of init method failed; nested exception is org.springframework.transaction.CannotCreateTransactionException: Could not open Hibernate Session for transaction; nested exception is org.hibernate.exception.GenericJDBCException: Unable to acquire JDBC Connection at org.springframework.beans.factory.annotation.InitDestroyAnnotationBeanPostProcessor.postProcessBeforeInitialization(InitDestroyAnnotationBeanPostProcessor.java:136) at org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.applyBeanPostProcessorsBeforeInitialization(AbstractAutowireCapableBeanFactory.java:408) at org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.initializeBean(AbstractAutowireCapableBeanFactory.java:1570) at org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.doCreateBean(AbstractAutowireCapableBeanFactory.java:545) at org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.createBean(AbstractAutowireCapableBeanFactory.java:482) at org.springframework.beans.factory.support.AbstractBeanFactory\$1.getObject(AbstractBeanFactory.java:306) at org.springframework.beans.factory.support.DefaultSingletonBeanRegistry.getSingleton(DefaultSingletonBeanRegistry.java:230) at org.springframework.beans.factory.support.AbstractBeanFactory.doGetBean(AbstractBeanFactory.java:302) at org.springframework.beans.factory.support.AbstractBeanFactory.getBean(AbstractBeanFactory.java:197) at org.springframework.beans.factory.support.DefaultListableBeanFactory.preInstantiateSingletons(DefaultListableBeanFactory.java:772) at org.springframework.context.support.AbstractApplicationContext.finishBeanFactoryInitialization(AbstractApplicationContext.java:839) at org.springframework.context.support.AbstractApplicationContext.refresh(AbstractApplicationContext.java:538) at org.springframework.web.context.ContextLoader.configureAndRefreshWebApplicationContext(ContextLoader.java:446) at org.springframework.web.context.ContextLoader.initWebApplicationContext(ContextLoader.java:328) at org.springframework.web.context.ContextLoaderListener.contextInitialized(ContextLoaderListener.java:107) at org.eclipse.jetty.server.handler.ContextHandler.callContextInitialized(ContextHandler.java:930) at org.eclipse.jetty.servlet.ServletContextHandler.callContextInitialized(ServletContextHandler.java:553) at org.eclipse.jetty.server.handler.ContextHandler.startContext(ContextHandler.java:511)</pre>			

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a:889)
    at org.eclipse.jetty.servlet.ServletContextHandler.startContext (ServletContextHand
ler.java:356)
    at org.eclipse.jetty.webapp.WebAppContext.startWebapp (WebAppContext.java:1445)
    at org.eclipse.jetty.webapp.WebAppContext.startContext (WebAppContext.java:1409)
    at org.eclipse.jetty.server.handler.ContextHandler.doStart (ContextHandler.java:822
)
    at org.eclipse.jetty.servlet.ServletContextHandler.doStart (ServletContextHandler.j
ava:275)
    at org.eclipse.jetty.webapp.WebAppContext.doStart (WebAppContext.java:524)
    at org.eclipse.jetty.util.component.AbstractLifeCycle.start (AbstractLifeCycle.java
:72)
    at org.eclipse.jetty.util.component.ContainerLifeCycle.start (ContainerLifeCycle.ja
va:169)
    at org.eclipse.jetty.server.Server.start (Server.java:407)
    at org.eclipse.jetty.util.component.ContainerLifeCycle.doStart (ContainerLifeCycle.
java:110)
    at org.eclipse.jetty.server.handler.AbstractHandler.doStart (AbstractHandler.java:9
7)
    at org.eclipse.jetty.server.Server.doStart (Server.java:371)
    at org.eclipse.jetty.util.component.AbstractLifeCycle.start (AbstractLifeCycle.java
:72)
    at eu.etaxonomy.taxeditor.webapp.CdmServer$1.run (CdmServer.java:196)
Caused by: org.springframework.transaction.CannotCreateTransactionException: Could not open Hibern
ate Session for transaction; nested exception is org.hibernate.exception.GenericJDBCException: Una
ble to acquire JDBC Connection
    at org.springframework.orm.hibernate5.HibernateTransactionManager.doBegin (Hibernat
eTransactionManager.java:541)
    at org.springframework.transaction.support.AbstractPlatformTransactionManager.getT
ransaction (AbstractPlatformTransactionManager.java:373)
    at eu.etaxonomy.cdm.database.PersistentTermInitializer.doInitialize (PersistentTerm
Initializer.java:109)
    at eu.etaxonomy.cdm.model.term.DefaultTermInitializer.initialize (DefaultTermInitia
lizer.java:37)
    at eu.etaxonomy.cdm.database.PersistentTermInitializer.initialize (PersistentTermIn
itializer.java:92)
    at sun.reflect.NativeMethodAccessorImpl.invoke0 (Native Method)
    at sun.reflect.NativeMethodAccessorImpl.invoke (Unknown Source)
    at sun.reflect.DelegatingMethodAccessorImpl.invoke (Unknown Source)
    at java.lang.reflect.Method.invoke (Unknown Source)
    at org.springframework.beans.factory.annotation.InitDestroyAnnotationBeanPostProce
ssor$LifecycleElement.invoke (InitDestroyAnnotationBeanPostProcessor.java:354)
    at org.springframework.beans.factory.annotation.InitDestroyAnnotationBeanPostProce
ssor$LifecycleMetadata.invokeInitMethods (InitDestroyAnnotationBeanPostProcessor.java:305)
    at org.springframework.beans.factory.annotation.InitDestroyAnnotationBeanPostProce
ssor.postProcessBeforeInitialization (InitDestroyAnnotationBeanPostProcessor.java:133)
    ... 31 more
Caused by: org.hibernate.exception.GenericJDBCException: Unable to acquire JDBC Connection
    at org.hibernate.exception.internal.StandardSQLExceptionConverter.convert (Standard
SQLExceptionConverter.java:47)
    at org.hibernate.engine.jdbc.spi.SqlExceptionHelper.convert (SqlExceptionHelper.jav
a:109)
    at org.hibernate.engine.jdbc.spi.SqlExceptionHelper.convert (SqlExceptionHelper.jav
a:95)
    at org.hibernate.resource.jdbc.internal.LogicalConnectionManagedImpl.acquireConnec
tionIfNeeded (LogicalConnectionManagedImpl.java:90)
    at org.hibernate.resource.jdbc.internal.LogicalConnectionManagedImpl.getPhysicalCo
nnection (LogicalConnectionManagedImpl.java:112)
    at org.hibernate.resource.jdbc.internal.LogicalConnectionManagedImpl.getConnection
ForTransactionManagement (LogicalConnectionManagedImpl.java:230)
    at org.hibernate.resource.jdbc.internal.LogicalConnectionManagedImpl.begin (Logica
lConnectionManagedImpl.java:237)
    at org.hibernate.resource.transaction.backend.jdbc.internal.JdbcResourceLocalTrans
actionCoordinatorImpl$TransactionDriverControlImpl.begin (JdbcResourceLocalTransactionCoordinatorIm
pl.java:214)
    at org.hibernate.engine.transaction.internal.TransactionImpl.begin (TransactionImpl
.java:52)

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        at org.hibernate.internal.SessionImpl.beginTransaction(SessionImpl.java:1512)
        at org.springframework.orm.hibernate5.HibernateTransactionManager.doBegin(Hibernat
eTransactionManager.java:499)
        ... 42 more
Caused by: java.sql.SQLException: Connections could not be acquired from the underlying database!
        at com.mchange.v2.sql.SqlUtils.toSQLException(SqlUtils.java:118)
        at com.mchange.v2.c3p0.impl.C3P0PooledConnectionPool.checkoutPooledConnection(C3P0
PooledConnectionPool.java:692)
        at com.mchange.v2.c3p0.impl.AbstractPoolBackedDataSource.getConnection(AbstractPoo
lBackedDataSource.java:140)
        at org.hibernate.engine.jdbc.connections.internal.DatasourceConnectionProviderImpl
.getConnection(DatasourceConnectionProviderImpl.java:122)
        at org.hibernate.internal.AbstractSessionImpl$NonContextualJdbcConnectionAccess.ob
tainConnection(AbstractSessionImpl.java:386)
        at org.hibernate.resource.jdbc.internal.LogicalConnectionManagedImpl.acquireConnec
tionIfNeeded(LogicalConnectionManagedImpl.java:87)
        ... 49 more
Caused by: com.mchange.v2.resourcepool.CannotAcquireResourceException: A ResourcePool could not ac
quire a resource from its primary factory or source.
        at com.mchange.v2.resourcepool.BasicResourcePool.awaitAvailable(BasicResourcePool.
java:1469)
        at com.mchange.v2.resourcepool.BasicResourcePool.prelimCheckoutResource(BasicResou
rcePool.java:644)
        at com.mchange.v2.resourcepool.BasicResourcePool.checkoutResource(BasicResourcePoo
l.java:554)
        at com.mchange.v2.c3p0.impl.C3P0PooledConnectionPool.checkoutAndMarkConnectionInUs
e(C3P0PooledConnectionPool.java:758)
        at com.mchange.v2.c3p0.impl.C3P0PooledConnectionPool.checkoutPooledConnection(C3P0
PooledConnectionPool.java:685)
        ... 53 more
Caused by: org.h2.jdbc.JdbcSQLException: Datenbank wird wahrscheinlich bereits benutzt: null. Mögl
iche Lösungen: alle Verbindungen schliessen; Server Modus verwenden
Database may be already in use: null. Possible solutions: close all other connection(s); use the s
erver mode [90020-190]
        at org.h2.message.DbException.getJdbcSQLException(DbException.java:345)
        at org.h2.message.DbException.get(DbException.java:168)
        at org.h2.mvstore.db.MVTableEngine$Store.convertIllegalStateException(MVTableEngin
e.java:187)
        at org.h2.mvstore.db.MVTableEngine$Store.open(MVTableEngine.java:167)
        at org.h2.mvstore.db.MVTableEngine.init(MVTableEngine.java:99)
        at org.h2.engine.Database.getPageStore(Database.java:2450)
        at org.h2.engine.Database.open(Database.java:672)
        at org.h2.engine.Database.openDatabase(Database.java:269)
        at org.h2.engine.Database.<init>(Database.java:263)
        at org.h2.engine.Engine.openSession(Engine.java:65)
        at org.h2.engine.Engine.openSession(Engine.java:175)
        at org.h2.engine.Engine.createSessionAndValidate(Engine.java:153)
        at org.h2.engine.Engine.createSession(Engine.java:136)
        at org.h2.engine.Engine.createSession(Engine.java:28)
        at org.h2.engine.SessionRemote.connectEmbeddedOrServer(SessionRemote.java:349)
        at org.h2.jdbc.JdbcConnection.<init>(JdbcConnection.java:107)
        at org.h2.jdbc.JdbcConnection.<init>(JdbcConnection.java:91)
        at org.h2.Driver.connect(Driver.java:72)
        at com.mchange.v2.c3p0.DriverManagerDataSource.getConnection(DriverManagerDataSour
ce.java:175)
        at com.mchange.v2.c3p0 WrapperConnectionPoolDataSource.getPooledConnection(Wrapper
ConnectionPoolDataSource.java:220)
        at com.mchange.v2.c3p0 WrapperConnectionPoolDataSource.getPooledConnection(Wrapper
ConnectionPoolDataSource.java:206)
        at com.mchange.v2.c3p0.impl.C3P0PooledConnectionPool$1PooledConnectionResourcePool
Manager.acquireResource(C3P0PooledConnectionPool.java:203)
        at com.mchange.v2.resourcepool.BasicResourcePool.doAcquire(BasicResourcePool.java:
1138)
        at com.mchange.v2.resourcepool.BasicResourcePool.doAcquireAndDecrementPendingAcqui
resWithinLockOnSuccess(BasicResourcePool.java:1125)
        at com.mchange.v2.resourcepool.BasicResourcePool.access$700(BasicResourcePool.java
:44)

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        at com.mchange.v2.resourcepool.BasicResourcePool$ScatteredAcquireTask.run (BasicResourcePool.java:1870)
        at com.mchange.v2.async.ThreadPoolAsynchronousRunner$PoolThread.run (ThreadPoolAsynchronousRunner.java:696)
Caused by: java.lang.IllegalStateException: The file is locked: nio:C:/Users/k.luther/.cdmLibrary/writableResources/h2/LocalH2/cdm.mv.db [1.4.190/7]
        at org.h2.mvstore.DataUtils.newIllegalStateException (DataUtils.java:773)
        at org.h2.mvstore.FileStore.open (FileStore.java:167)
        at org.h2.mvstore.MVStore.<init> (MVStore.java:342)
        at org.h2.mvstore.MVStore$Builder.open (MVStore.java:2888)
        at org.h2.mvstore.db.MVTableEngine$Store.open (MVTableEngine.java:154)
        ... 23 more
Caused by: java.nio.channels.OverlappingFileLockException
        at sun.nio.ch.SharedFileLockTable.checkList (Unknown Source)
        at sun.nio.ch.SharedFileLockTable.add (Unknown Source)
        at sun.nio.ch.FileChannelImpl.tryLock (Unknown Source)
        at org.h2.store.fs.FileNio.tryLock (FilePathNio.java:121)
        at org.h2.mvstore.cache.FilePathCache$FileCache.tryLock (FilePathCache.java:158)
        at java.nio.channels.FileChannel.tryLock (Unknown Source)
        at org.h2.mvstore.FileStore.open (FileStore.java:164)
        ... 26 more
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Related issues:

Related to EDIT - bug #9742: embedded h2 database in server mode for connecti...

New

History

#1 - 09/07/2020 09:52 AM - Andreas Kohlbecker

- Status changed from New to Feedback
- Assignee changed from Andreas Müller to Katja Luther

From reading the stack trace it seems as if you attempted to create the db from within the taxeditor datasources view. Is this assumption correct?

#2 - 09/07/2020 12:59 PM - Andreas Müller

Andreas Kohlbecker wrote:

From reading the stack trace it seems as if you attempted to create the db from within the taxeditor datasources view. Is this assumption correct?

How the database is created is not an issue here. It always created automatically if it does not exists yet. The problem seems is the schema check which is done in a different class loader context (taxeditor) then the schema create (remote-webapp).

#3 - 09/07/2020 01:00 PM - Andreas Müller

- Status changed from Feedback to New
- Assignee changed from Katja Luther to Andreas Müller
- Target version changed from Unassigned CDM tickets to Release 5.18

#4 - 09/07/2020 02:13 PM - Katja Luther

Andreas Kohlbecker wrote:

From reading the stack trace it seems as if you attempted to create the db from within the taxeditor datasources view. Is this assumption correct?

No, I tried to create a new schema from the login dialog for a managed server connection. But I think the dialog opened a connection already for checking whether a schema exists.

#5 - 11/30/2020 11:00 AM - Andreas Müller

- Target version changed from Release 5.18 to Release 5.19

#6 - 01/27/2021 03:44 PM - Andreas Müller

- Target version changed from Release 5.19 to Release 5.21

#7 - 03/10/2021 02:36 PM - Andreas Müller

- Target version changed from Release 5.21 to Release 5.22

#8 - 04/16/2021 09:54 PM - Andreas Müller

- *Target version changed from Release 5.22 to Release 5.46*

#9 - 09/03/2021 11:05 AM - Andreas Müller

- *Related to bug #9742: embedded h2 database in server mode for connection pooling added*