

## EDIT - bug #9710

### DataIntegrityViolationException after adding a specimen to the matrix

07/15/2021 09:16 AM - Andreas Müller

<b>Status:</b>	Closed	<b>Start date:</b>	
<b>Priority:</b>	Highest	<b>Due date:</b>	
<b>Assignee:</b>	Katja Luther	<b>% Done:</b>	100%
<b>Category:</b>	taxeditor	<b>Estimated time:</b>	0:00 hour
<b>Target version:</b>	Release 5.27	<b>Found in Version:</b>	
<b>Severity:</b>	critical		
<b>Description</b>			
Murat:			
I come across this error message when I add a new specimen to the matrix. Do I have to reopen the matrix when I make this addition? In this case, the matrix opens very slowly due to the large dataset.			
AM:			
as far as I understand this error returns repeatedly. Did you recognize any pattern when it does occur? E.g. always when you add a new specimen to the matrix? Or always when working on a new taxon ...?			
Murat:			
I got the following error message several times when I tried to save my recent works. ... I always reopen the EDIT to fix the problem. However, this is not convenient because it opens too slow. It takes more than two minutes for each samples.			
<pre>last remote method : http://api.cybertaxonomy.org:80/flora-greece-bupleurum/remoting/description.s ervice last remote request client time : 2021-07-14T11:17:15.244 last remote request response header time : Wed, 14 Jul 2021 09:17:15 GMT client error time : 2021-07-14T11:17:17.167 login : m.guezel editor version : 5.24.0 server : api.cybertaxonomy.org (cybertaxonomy.org) / flora-greece-bupleurum schema version : 5.23.0.0.20210422 os : Windows 7 6.1 amd64 java : 1.8.0_121 org.eclipse.e4.core.di.InjectionException: org.springframework.dao.DataIntegrityViolationException : could not execute statement; SQL [n/a]; constraint [UK_b8inp8cke189cpo47euwn0bgf]; nested except ion is org.hibernate.exception.ConstraintViolationException: could not execute statement at org.eclipse.e4.core.internal.di.MethodRequestor.execute(MethodRequestor.java:65) at org.eclipse.e4.core.internal.di.InjectorImpl.invokeUsingClass(InjectorImpl.java:282) at org.eclipse.e4.core.internal.di.InjectorImpl.invoke(InjectorImpl.java:247) at org.eclipse.e4.core.contexts.ContextInjectionFactory.invoke(ContextInjectionFactory.java:90) at org.eclipse.e4.ui.internal.workbench.PartServiceSaveHandler.save(PartServiceSaveHandler.java:57 ) at org.eclipse.ui.internal.WorkbenchWindow\$7.save(WorkbenchWindow.java:594) at org.eclipse.e4.ui.internal.workbench.PartServiceImpl.savePart(PartServiceImpl.java:1390) at eu.etaxonomy.taxeditor.workbench.SaveHandler.execute(SaveHandler.java:38) at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method) at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62) at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43) at java.lang.reflect.Method.invoke(Method.java:498) at org.eclipse.e4.core.internal.di.MethodRequestor.execute(MethodRequestor.java:55) at org.eclipse.e4.core.internal.di.InjectorImpl.invokeUsingClass(InjectorImpl.java:282) at org.eclipse.e4.core.internal.di.InjectorImpl.invoke(InjectorImpl.java:264) at org.eclipse.e4.core.contexts.ContextInjectionFactory.invoke(ContextInjectionFactory.java:132) at org.eclipse.e4.core.commands.internal.HandlerServiceHandler.execute(HandlerServiceHandler.java: 152) at org.eclipse.core.commands.Command.executeWithChecks(Command.java:494)</pre>			

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at org.eclipse.core.commands.ParameterizedCommand.executeWithChecks (ParameterizedCommand.java:488)
at org.eclipse.e4.core.commands.internal.HandlerServiceImpl.executeHandler (HandlerServiceImpl.java:210)
at org.eclipse.e4.ui.workbench.renderers.swt.HandledContributionItem.executeItem (HandledContributionItem.java:433)
at org.eclipse.e4.ui.workbench.renderers.swt.AbstractContributionItem.handleWidgetSelection (AbstractContributionItem.java:454)
at org.eclipse.e4.ui.workbench.renderers.swt.AbstractContributionItem$3.handleEvent (AbstractContributionItem.java:482)
at org.eclipse.swt.widgets.EventTable.sendEvent (EventTable.java:84)
at org.eclipse.swt.widgets.Display.sendEvent (Display.java:4418)
at org.eclipse.swt.widgets.Widget.sendEvent (Widget.java:1079)
at org.eclipse.swt.widgets.Display.runDeferredEvents (Display.java:4236)
at org.eclipse.swt.widgets.Display.readAndDispatch (Display.java:3824)
at org.eclipse.e4.ui.internal.workbench.swt.PartRenderingEngine$4.run (PartRenderingEngine.java:1121)
at org.eclipse.core.databinding.observable.Realm.runWithDefault (Realm.java:336)
at org.eclipse.e4.ui.internal.workbench.swt.PartRenderingEngine.run (PartRenderingEngine.java:1022)
at org.eclipse.e4.ui.internal.workbench.E4Workbench.createAndRunUI (E4Workbench.java:150)
at org.eclipse.ui.internal.Workbench$5.run (Workbench.java:693)
at org.eclipse.core.databinding.observable.Realm.runWithDefault (Realm.java:336)
at org.eclipse.ui.internal.Workbench.createAndRunWorkbench (Workbench.java:610)
at org.eclipse.ui.PlatformUI.createAndRunWorkbench (PlatformUI.java:148)
at eu.etaxonomy.taxeditor.Application.start (Application.java:20)
at org.eclipse.equinox.internal.app.EclipseAppHandle.run (EclipseAppHandle.java:196)
at org.eclipse.core.runtime.internal.adaptor.EclipseAppLauncher.runApplication (EclipseAppLauncher.java:134)
at org.eclipse.core.runtime.internal.adaptor.EclipseAppLauncher.start (EclipseAppLauncher.java:104)
at org.eclipse.core.runtime.adaptor.EclipseStarter.run (EclipseStarter.java:388)
at org.eclipse.core.runtime.adaptor.EclipseStarter.run (EclipseStarter.java:243)
at sun.reflect.NativeMethodAccessorImpl.invoke0 (Native Method)
at sun.reflect.NativeMethodAccessorImpl.invoke (NativeMethodAccessorImpl.java:62)
at sun.reflect.DelegatingMethodAccessorImpl.invoke (DelegatingMethodAccessorImpl.java:43)
at java.lang.reflect.Method.invoke (Method.java:498)
at org.eclipse.equinox.launcher.Main.invokeFramework (Main.java:673)
at org.eclipse.equinox.launcher.Main.basicRun (Main.java:610)
at org.eclipse.equinox.launcher.Main.run (Main.java:1519)
Caused by: org.springframework.dao.DataIntegrityViolationException: could not execute statement; SQL [n/a]; constraint [UK_b8inp8cke189cpo47euwn0bgf]; nested exception is org.hibernate.exception.ConstraintViolationException: could not execute statement
at org.springframework.orm.hibernate5.SessionFactoryUtils.convertHibernateAccessException (SessionFactoryUtils.java:241)
at org.springframework.orm.hibernate5.HibernateTransactionManager.convertHibernateAccessException (HibernateTransactionManager.java:755)
at org.springframework.orm.hibernate5.HibernateTransactionManager.doCommit (HibernateTransactionManager.java:590)
at org.springframework.transaction.support.AbstractPlatformTransactionManager.processCommit (AbstractPlatformTransactionManager.java:765)
at org.springframework.transaction.support.AbstractPlatformTransactionManager.commit (AbstractPlatformTransactionManager.java:734)
at org.springframework.transaction.interceptor.TransactionAspectSupport.commitTransactionAfterReturning (TransactionAspectSupport.java:522)
at org.springframework.transaction.interceptor.TransactionAspectSupport.invokeWithinTransaction (TransactionAspectSupport.java:293)
at org.springframework.transaction.interceptor.TransactionInterceptor.invoke (TransactionInterceptor.java:96)
at org.springframework.aop.framework.ReflectiveMethodInvocation.proceed (ReflectiveMethodInvocation.java:179)
at org.springframework.aop.framework.JdkDynamicAopProxy.invoke (JdkDynamicAopProxy.java:213)
at com.sun.proxy.$Proxy1870.mergeDescriptions (Unknown Source)
at sun.reflect.GeneratedMethodAccessor282580.invoke (Unknown Source)
at sun.reflect.DelegatingMethodAccessorImpl.invoke (DelegatingMethodAccessorImpl.java:43)
at java.lang.reflect.Method.invoke (Method.java:498)
at org.springframework.aop.support.AopUtils.invokeJoinpointUsingReflection (AopUtils.java:333)
at org.springframework.aop.framework.ReflectiveMethodInvocation.invokeJoinpoint (ReflectiveMethodInvocation.java:190)
at org.springframework.aop.framework.ReflectiveMethodInvocation.proceed (ReflectiveMethodInvocation
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.java:157)
at org.springframework.remoting.support.RemoteInvocationTraceInterceptor.invoke (RemoteInvocationTraceInterceptor.java:78)
at org.springframework.aop.framework.ReflectiveMethodInvocation.proceed (ReflectiveMethodInvocation.java:179)
at org.springframework.aop.framework.JdkDynamicAopProxy.invoke (JdkDynamicAopProxy.java:213)
at com.sun.proxy.$Proxy2206.mergeDescriptions (Unknown Source)
at sun.reflect.NativeMethodAccessorImpl.invoke0 (Native Method)
at sun.reflect.NativeMethodAccessorImpl.invoke (NativeMethodAccessorImpl.java:62)
at sun.reflect.DelegatingMethodAccessorImpl.invoke (DelegatingMethodAccessorImpl.java:43)
at java.lang.reflect.Method.invoke (Method.java:498)
at org.springframework.remoting.support.RemoteInvocation.invoke (RemoteInvocation.java:212)
at eu.etaxonomy.cdm.api.remoting.DebuggingRemoteInvocationExecutor.invoke (DebuggingRemoteInvocationExecutor.java:52)
at org.springframework.remoting.support.RemoteInvocationBasedExporter.invoke (RemoteInvocationBasedExporter.java:78)
at org.springframework.remoting.support.RemoteInvocationBasedExporter.invokeAndCreateResult (RemoteInvocationBasedExporter.java:114)
at org.springframework.remoting.httpinvoker.HttpInvokerServiceExporter.handleRequest (HttpInvokerServiceExporter.java:80)
at org.springframework.web.servlet.mvc.HttpRequestHandlerAdapter.handle (HttpRequestHandlerAdapter.java:51)
at org.springframework.web.servlet.DispatcherServlet.doDispatch (DispatcherServlet.java:967)
at org.springframework.web.servlet.DispatcherServlet.doService (DispatcherServlet.java:901)
at org.springframework.web.servlet.FrameworkServlet.processRequest (FrameworkServlet.java:970)
at org.springframework.web.servlet.FrameworkServlet.doPost (FrameworkServlet.java:872)
at javax.servlet.http.HttpServlet.service (HttpServlet.java:707)
at org.springframework.web.servlet.FrameworkServlet.service (FrameworkServlet.java:846)
at javax.servlet.http.HttpServlet.service (HttpServlet.java:790)
at org.eclipse.jetty.servlet.ServletHolder$NotAsyncServlet.service (ServletHolder.java:1395)
at org.eclipse.jetty.servlet.ServletHolder.handle (ServletHolder.java:755)
at org.eclipse.jetty.servlet.ServletHandler$CachedChain.doFilter (ServletHandler.java:1617)
at org.springframework.security.web.FilterChainProxy$VirtualFilterChain.doFilter (FilterChainProxy.java:317)
at org.springframework.security.web.access.intercept.FilterSecurityInterceptor.invoke (FilterSecurityInterceptor.java:127)
at org.springframework.security.web.access.intercept.FilterSecurityInterceptor.doFilter (FilterSecurityInterceptor.java:91)
at org.springframework.security.web.FilterChainProxy$VirtualFilterChain.doFilter (FilterChainProxy.java:331)
at org.springframework.security.web.access.ExceptionTranslationFilter.doFilter (ExceptionTranslationFilter.java:114)
at org.springframework.security.web.FilterChainProxy$VirtualFilterChain.doFilter (FilterChainProxy.java:331)
at org.springframework.security.web.session.SessionManagementFilter.doFilter (SessionManagementFilter.java:137)
at org.springframework.security.web.FilterChainProxy$VirtualFilterChain.doFilter (FilterChainProxy.java:331)
at org.springframework.security.web.servletapi.SecurityContextHolderAwareRequestFilter.doFilter (SecurityContextHolderAwareRequestFilter.java:170)
at org.springframework.security.web.FilterChainProxy$VirtualFilterChain.doFilter (FilterChainProxy.java:331)
at org.springframework.security.web.savedrequest.RequestCacheAwareFilter.doFilter (RequestCacheAwareFilter.java:63)
at org.springframework.security.web.FilterChainProxy$VirtualFilterChain.doFilter (FilterChainProxy.java:331)
at org.springframework.security.web.authentication.www.BasicAuthenticationFilter.doFilterInternal (BasicAuthenticationFilter.java:215)
at org.springframework.web.filter.OncePerRequestFilter.doFilter (OncePerRequestFilter.java:107)
at org.springframework.security.web.FilterChainProxy$VirtualFilterChain.doFilter (FilterChainProxy.java:331)
at org.springframework.security.web.authentication.logout.LogoutFilter.doFilter (LogoutFilter.java:116)
at org.springframework.security.web.FilterChainProxy$VirtualFilterChain.doFilter (FilterChainProxy.java:331)
at org.springframework.security.web.header.HeaderWriterFilter.doFilterInternal (HeaderWriterFilter.java:66)
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at org.springframework.web.filter.OncePerRequestFilter.doFilter (OncePerRequestFilter.java:107)
at org.springframework.security.web.FilterChainProxy$VirtualFilterChain.doFilter (FilterChainProxy.java:331)
at org.springframework.security.web.context.SecurityContextPersistenceFilter.doFilter (SecurityContextPersistenceFilter.java:105)
at org.springframework.security.web.FilterChainProxy$VirtualFilterChain.doFilter (FilterChainProxy.java:331)
at org.springframework.security.web.context.request.async.WebAsyncManagerIntegrationFilter.doFilterInternal (WebAsyncManagerIntegrationFilter.java:56)
at org.springframework.web.filter.OncePerRequestFilter.doFilter (OncePerRequestFilter.java:107)
at org.springframework.security.web.FilterChainProxy$VirtualFilterChain.doFilter (FilterChainProxy.java:331)
at org.springframework.security.web.FilterChainProxy.doFilterInternal (FilterChainProxy.java:214)
at org.springframework.security.web.FilterChainProxy.doFilter (FilterChainProxy.java:177)
at org.springframework.web.filter.DelegatingFilterProxy.invokeDelegate (DelegatingFilterProxy.java:347)
at org.springframework.web.filter.DelegatingFilterProxy.doFilter (DelegatingFilterProxy.java:263)
at org.eclipse.jetty.servlet.ServletHandler$CachedChain.doFilter (ServletHandler.java:1604)
at eu.etaxonomy.cdm.servlet.DateHeaderFilter.doFilter (DateHeaderFilter.java:55)
at org.eclipse.jetty.servlet.ServletHandler$CachedChain.doFilter (ServletHandler.java:1604)
at org.springframework.web.filter.CharacterEncodingFilter.doFilterInternal (CharacterEncodingFilter.java:197)
at org.springframework.web.filter.OncePerRequestFilter.doFilter (OncePerRequestFilter.java:107)
at org.eclipse.jetty.servlet.ServletHandler$CachedChain.doFilter (ServletHandler.java:1596)
at org.eclipse.jetty.servlet.ServletHandler.doHandle (ServletHandler.java:545)
at org.eclipse.jetty.server.handler.ScopedHandler.handle (ScopedHandler.java:143)
at org.eclipse.jetty.security.SecurityHandler.handle (SecurityHandler.java:590)
at org.eclipse.jetty.server.handler.HandlerWrapper.handle (HandlerWrapper.java:127)
at org.eclipse.jetty.server.handler.ScopedHandler.nextHandle (ScopedHandler.java:235)
at org.eclipse.jetty.server.session.SessionHandler.doHandle (SessionHandler.java:1607)
at org.eclipse.jetty.server.handler.ScopedHandler.nextHandle (ScopedHandler.java:233)
at org.eclipse.jetty.server.handler.ContextHandler.doHandle (ContextHandler.java:1297)
at org.eclipse.jetty.server.handler.ScopedHandler.nextScope (ScopedHandler.java:188)
at org.eclipse.jetty.servlet.ServletHandler.doScope (ServletHandler.java:485)
at org.eclipse.jetty.server.session.SessionHandler.doScope (SessionHandler.java:1577)
at org.eclipse.jetty.server.handler.ScopedHandler.nextScope (ScopedHandler.java:186)
at org.eclipse.jetty.server.handler.ContextHandler.doScope (ContextHandler.java:1212)
at org.eclipse.jetty.server.handler.ScopedHandler.handle (ScopedHandler.java:141)
at org.eclipse.jetty.server.handler.HandlerWrapper.handle (HandlerWrapper.java:127)
at eu.etaxonomy.cdm.server.logging.InstanceLogWrapper.handle (InstanceLogWrapper.java:47)
at org.eclipse.jetty.server.handler.ContextHandlerCollection.handle (ContextHandlerCollection.java:221)
at org.eclipse.jetty.server.handler.HandlerWrapper.handle (HandlerWrapper.java:127)
at org.eclipse.jetty.server.Server.handle (Server.java:500)
at org.eclipse.jetty.server.HttpChannel.lambda$handle$1 (HttpChannel.java:383)
at org.eclipse.jetty.server.HttpChannel.dispatch (HttpChannel.java:547)
at org.eclipse.jetty.server.HttpChannel.handle (HttpChannel.java:375)
at org.eclipse.jetty.server.HttpConnection.onFillable (HttpConnection.java:270)
at org.eclipse.jetty.io.AbstractConnection$ReadCallback.succeeded (AbstractConnection.java:311)
at org.eclipse.jetty.io.FillInterest.fillable (FillInterest.java:103)
at org.eclipse.jetty.io.ChannelEndPoint$2.run (ChannelEndPoint.java:117)
at org.eclipse.jetty.util.thread.strategy.EatWhatYouKill.runTask (EatWhatYouKill.java:336)
at org.eclipse.jetty.util.thread.strategy.EatWhatYouKill.doProduce (EatWhatYouKill.java:313)
at org.eclipse.jetty.util.thread.strategy.EatWhatYouKill.tryProduce (EatWhatYouKill.java:171)
at org.eclipse.jetty.util.thread.strategy.EatWhatYouKill.run (EatWhatYouKill.java:129)
at org.eclipse.jetty.util.thread.ReservedThreadExecutor$ReservedThread.run (ReservedThreadExecutor.java:388)
at org.eclipse.jetty.util.thread.QueuedThreadPool.runJob (QueuedThreadPool.java:806)
at org.eclipse.jetty.util.thread.QueuedThreadPool$Runner.run (QueuedThreadPool.java:938)
at java.lang.Thread.run (Thread.java:748)
at org.springframework.remoting.support.RemoteInvocationUtils.fillInClientStackTraceIfPossible (RemoteInvocationUtils.java:45)
at org.springframework.remoting.support.RemoteInvocationResult.recreate (RemoteInvocationResult.java:149)
at org.springframework.remoting.support.RemoteInvocationBasedAccessor.recreateRemoteInvocationResult (RemoteInvocationBasedAccessor.java:85)
at org.springframework.remoting.httpinvoker.HttpInvokerClientInterceptor.invoke (HttpInvokerClientI
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nterceptor.java:158)
at org.springframework.aop.framework.ReflectiveMethodInvocation.proceed(ReflectiveMethodInvocation
.java:179)
at org.springframework.aop.framework.JdkDynamicAopProxy.invoke(JdkDynamicAopProxy.java:213)
at com.sun.proxy.$Proxy61.mergeDescriptions(Unknown Source)
at eu.etaxonomy.taxeditor.editor.descriptiveDataSet.matrix.CharacterMatrixPart.save(CharacterMatri
xPart.java:221)
at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
at java.lang.reflect.Method.invoke(Method.java:498)
at org.eclipse.e4.core.internal.di.MethodRequestor.execute(MethodRequestor.java:55)
... 48 more
Caused by: org.hibernate.exception.ConstraintViolationException: could not execute statement
at org.hibernate.exception.internal.SQLExceptionTypeDelegate.convert(SQLExceptionTypeDelegate.java
:59)
at org.hibernate.exception.internal.StandardSQLExceptionConverter.convert(StandardSQLExceptionConv
erter.java:42)
at org.hibernate.engine.jdbc.spi.SqlExceptionHelper.convert(SqlExceptionHelper.java:111)
at org.hibernate.engine.jdbc.spi.SqlExceptionHelper.convert(SqlExceptionHelper.java:97)
at org.hibernate.engine.jdbc.internal.ResultSetReturnImpl.executeUpdate(ResultSetReturnImpl.java:2
07)
at org.hibernate.engine.jdbc.batch.internal.NonBatchingBatch.addToBatch(NonBatchingBatch.java:45)
at org.hibernate.persister.entity.AbstractEntityPersister.insert(AbstractEntityPersister.java:3013
)
at org.hibernate.persister.entity.AbstractEntityPersister.insert(AbstractEntityPersister.java:3513
)
at org.hibernate.action.internal.EntityInsertAction.execute(EntityInsertAction.java:89)
at org.hibernate.engine.spi.ActionQueue.executeActions(ActionQueue.java:589)
at org.hibernate.engine.spi.ActionQueue.executeActions(ActionQueue.java:463)
at org.hibernate.event.internal.AbstractFlushingEventListener.performExecutions(AbstractFlushingEv
entListener.java:337)
at org.hibernate.event.internal.DefaultFlushEventListener.onFlush(DefaultFlushEventListener.java:3
9)
at org.hibernate.internal.SessionImpl.flush(SessionImpl.java:1295)
at org.hibernate.internal.SessionImpl.managedFlush(SessionImpl.java:468)
at org.hibernate.internal.SessionImpl.flushBeforeTransactionCompletion(SessionImpl.java:3159)
at org.hibernate.internal.SessionImpl.beforeTransactionCompletion(SessionImpl.java:2352)
at org.hibernate.engine.jdbc.internal.JdbcCoordinatorImpl.beforeTransactionCompletion(JdbcCoordina
torImpl.java:491)
at org.hibernate.resource.transaction.backend.jdbc.internal.JdbcResourceLocalTransactionCoordinato
rImpl.beforeCompletionCallback(JdbcResourceLocalTransactionCoordinatorImpl.java:147)
at org.hibernate.resource.transaction.backend.jdbc.internal.JdbcResourceLocalTransactionCoordinato
rImpl.access$100(JdbcResourceLocalTransactionCoordinatorImpl.java:38)
at org.hibernate.resource.transaction.backend.jdbc.internal.JdbcResourceLocalTransactionCoordinato
rImpl$TransactionDriverControlImpl.commit(JdbcResourceLocalTransactionCoordinatorImpl.java:231)
at org.hibernate.engine.transaction.internal.TransactionImpl.commit(TransactionImpl.java:65)
at org.springframework.orm.hibernate5.HibernateTransactionManager.doCommit(HibernateTransactionMan
ager.java:582)
... 168 more
Caused by: java.sql.SQLIntegrityConstraintViolationException: Duplicate entry 'bfc52e52-bf25-4562-
ba01-7344a221a2ce' for key 'UK_b8inp8cke189cpo47euwn0bgf'
at com.mysql.cj.jdbc.exceptions.SQLError.createSQLException(SQLError.java:117)
at com.mysql.cj.jdbc.exceptions.SQLError.createSQLException(SQLError.java:97)
at com.mysql.cj.jdbc.exceptions.SQLExceptionsMapping.translateException(SQLExceptionsMapping.java:
122)
at com.mysql.cj.jdbc.ClientPreparedStatement.executeInternal(ClientPreparedStatement.java:953)
at com.mysql.cj.jdbc.ClientPreparedStatement.executeUpdateInternal(ClientPreparedStatement.java:10
92)
at com.mysql.cj.jdbc.ClientPreparedStatement.executeUpdateInternal(ClientPreparedStatement.java:10
40)
at com.mysql.cj.jdbc.ClientPreparedStatement.executeLargeUpdate(ClientPreparedStatement.java:1347)
at com.mysql.cj.jdbc.ClientPreparedStatement.executeUpdate(ClientPreparedStatement.java:1025)
at com.mchange.v2.c3p0.impl.NewProxyPreparedStatement.executeUpdate(NewProxyPreparedStatement.java
:384)
at org.hibernate.engine.jdbc.internal.ResultSetReturnImpl.executeUpdate(ResultSetReturnImpl.java:2
04)
```

... 186 more

## Related issues:

Copied to EDIT - bug #9772: Improve DTO usage for character matrix

Closed

## Associated revisions

### Revision f9e1b92e - 08/16/2021 12:30 PM - Katja Luther

ref #9710: update descriptions of matrix after save

### Revision 7f7f914d - 08/17/2021 02:15 PM - Katja Luther

ref #9710: update the dtos after merge

### Revision 79f6eb28 - 08/18/2021 11:32 AM - Katja Luther

ref #9710: further work to avoid constraint violation exception

### Revision 71559ffe - 09/15/2021 12:29 PM - Katja Luther

ref #9710: switch to dtos for descriptive data set and descriptions for character matrix

### Revision 66889a42 - 09/15/2021 01:00 PM - Katja Luther

ref #9710: do not use cdm objects for dds and descriptions in character matrix

### Revision 5bf13b75 - 09/15/2021 01:32 PM - Katja Luther

ref #9710: missed adaption in StructuredAggregationConfigurationWizard

### Revision 10f4a3fd - 09/20/2021 10:11 AM - Katja Luther

ref #9710: avoid NPEs

## History

### #1 - 08/16/2021 11:20 AM - Katja Luther

This problem seems to appear when adding a new specimen, save and enter other data to this new description and save again.

### #2 - 08/16/2021 11:21 AM - Katja Luther

- Status changed from New to In Progress

### #3 - 09/17/2021 09:56 PM - Andreas Müller

- Status changed from In Progress to Resolved

- % Done changed from 0 to 30

I put this to resolved as it is easier to find during review this way. We may split the ticket after release if not fully ready until then.

### #4 - 09/17/2021 09:56 PM - Andreas Müller

- Assignee changed from Katja Luther to Andreas Müller

### #5 - 09/17/2021 10:16 PM - Andreas Müller

Loading seems to be much faster now. Very good!

### #6 - 09/17/2021 10:29 PM - Andreas Müller

- Status changed from Resolved to Feedback

- Assignee changed from Andreas Müller to Katja Luther

Playing around I got

```
last remote method : http://test.e-taxonomy.eu:80/cdmserver/rem_conf_am/remoting/taxonnode.service
last remote request client time : 2021-09-17T22:21:13.761
last remote request response header time : Fri, 17 Sep 2021 20:21:14 GMT
client error time : 2021-09-17T22:21:44.808
login : admin
editor version : 5.27.0.202109161022
server : test.e-taxonomy.eu (edit-test) / rem_conf_am
```

```

schema version : 5.27.0.0.20210913
os : Windows Server 2012 R2 6.3 amd64
java : 1.8.0_131
java.lang.NullPointerException
    at eu.etaxonomy.taxeditor.editor.descriptiveDataSet.matrix.CharacterMatrixConfigLabelAccumulator.hasDefault
tValue(CharacterMatrixConfigLabelAccumulator.java:173)
    at eu.etaxonomy.taxeditor.editor.descriptiveDataSet.matrix.CharacterMatrixConfigLabelAccumulator.hasDefault
tValue(CharacterMatrixConfigLabelAccumulator.java:154)
    at eu.etaxonomy.taxeditor.editor.descriptiveDataSet.matrix.CharacterMatrixConfigLabelAccumulator.accumulat
eConfigLabels(CharacterMatrixConfigLabelAccumulator.java:113)
    at org.eclipse.nebula.widgets.nattable.layer.AbstractLayer.getConfigLabelsByPosition(AbstractLayer.java:11
0)
    at org.eclipse.nebula.widgets.nattable.layer.AbstractLayerTransform.getConfigLabelsByPosition(AbstractLaye
rTransform.java:335)
    at org.eclipse.nebula.widgets.nattable.layer.AbstractLayerTransform.getConfigLabelsByPosition(AbstractLaye
rTransform.java:335)

```

Probably DescriptionBaseDto.getElements() should never return null but empty List instead. This should be verified in the constructor already (similar to model objects). Then you can also remove the "elements = new ArrayList<>();" in addElement() in case elements is null.

**#7 - 09/17/2021 10:34 PM - Andreas Müller**

I get the strange behavior that the matrix only shows the most left factual data column correctly. All other columns are grey though they contain data. When I scroll to the right and a new column is the most left column this column shows the data, etc.

Looks like this:

Identifier	Land	ird property ...	char16 cd	apocarp third .
10 0558969	Germany	55 cm		
10 0667861	China			
18 0019227	Germany			
10 0080910	Germany	66 cm		
10 0463073	Germany			
10 0553079	Germany			
10 0553448	Germany			
18 0020703	Germany	44 cm		
18 0020749	Germany	45 cm		
i55				

**#8 - 09/17/2021 10:49 PM - Andreas Müller**

- File picture189-1.png added

**#9 - 09/17/2021 11:13 PM - Andreas Müller**

Also I get (during save I think, but not sure)

```

last remote method : http://test.e-taxonomy.eu:80/cdmserver/rem_conf_am/remoting/common.service
last remote request client time : 2021-09-17T22:32:33.565
last remote request response header time : Fri, 17 Sep 2021 20:32:33 GMT
client error time : 2021-09-17T22:32:33.596
login : admin
editor version : 5.27.0.202109161022
server : test.e-taxonomy.eu (edit-test) / rem_conf_am
schema version : 5.27.0.0.20210913
os : Windows Server 2012 R2 6.3 amd64
java : 1.8.0_131
org.eclipse.e4.core.di.InjectionException: java.lang.NullPointerException

```

```

at org.eclipse.e4.core.internal.di.MethodRequestor.execute (MethodRequestor.java:65)
at org.eclipse.e4.core.internal.di.InjectorImpl.invokeUsingClass (InjectorImpl.java:282)
at org.eclipse.e4.core.internal.di.InjectorImpl.invoke (InjectorImpl.java:247)
at org.eclipse.e4.core.contexts.ContextInjectionFactory.invoke (ContextInjectionFactory.java:90)
at org.eclipse.e4.ui.internal.workbench.PartServiceSaveHandler.save (PartServiceSaveHandler.java:57)
at org.eclipse.ui.internal.WorkbenchWindow$7.save (WorkbenchWindow.java:594)
at org.eclipse.e4.ui.internal.workbench.PartServiceImpl.savePart (PartServiceImpl.java:1390)
at eu.etaxonomy.taxeditor.workbench.SaveHandler.execute (SaveHandler.java:38)
at sun.reflect.NativeMethodAccessorImpl.invoke0 (Native Method)
at sun.reflect.NativeMethodAccessorImpl.invoke (NativeMethodAccessorImpl.java:62)
at sun.reflect.DelegatingMethodAccessorImpl.invoke (DelegatingMethodAccessorImpl.java:43)
at java.lang.reflect.Method.invoke (Method.java:498)
at org.eclipse.e4.core.internal.di.MethodRequestor.execute (MethodRequestor.java:55)
at org.eclipse.e4.core.internal.di.InjectorImpl.invokeUsingClass (InjectorImpl.java:282)
at org.eclipse.e4.core.internal.di.InjectorImpl.invoke (InjectorImpl.java:264)
at org.eclipse.e4.core.contexts.ContextInjectionFactory.invoke (ContextInjectionFactory.java:132)
at org.eclipse.e4.core.commands.internal.HandlerServiceHandler.execute (HandlerServiceHandler.java:152)
at org.eclipse.core.commands.Command.executeWithChecks (Command.java:494)
at org.eclipse.core.commands.ParameterizedCommand.executeWithChecks (ParameterizedCommand.java:488)
at org.eclipse.e4.core.commands.internal.HandlerServiceImpl.executeHandler (HandlerServiceImpl.java:210)
at org.eclipse.e4.ui.workbench.renderers.swt.HandledContributionItem.executeItem (HandledContributionItem.java:433)
at org.eclipse.e4.ui.workbench.renderers.swt.AbstractContributionItem.handleWidgetSelection (AbstractContributionItem.java:454)
at org.eclipse.e4.ui.workbench.renderers.swt.AbstractContributionItem$3.handleEvent (AbstractContributionItem.java:482)
at org.eclipse.swt.widgets.EventTable.sendEvent (EventTable.java:84)
at org.eclipse.swt.widgets.Display.sendEvent (Display.java:4418)
at org.eclipse.swt.widgets.Widget.sendEvent (Widget.java:1079)
at org.eclipse.swt.widgets.Display.runDeferredEvents (Display.java:4236)
at org.eclipse.swt.widgets.Display.readAndDispatch (Display.java:3824)
at org.eclipse.e4.ui.internal.workbench.swt.PartRenderingEngine$4.run (PartRenderingEngine.java:1121)
at org.eclipse.core.databinding.observable.Realm.runWithDefault (Realm.java:336)
at org.eclipse.e4.ui.internal.workbench.swt.PartRenderingEngine.run (PartRenderingEngine.java:1022)
at org.eclipse.e4.ui.internal.workbench.E4Workbench.createAndRunUI (E4Workbench.java:150)
at org.eclipse.ui.internal.Workbench$5.run (Workbench.java:693)
at org.eclipse.core.databinding.observable.Realm.runWithDefault (Realm.java:336)
at org.eclipse.ui.internal.Workbench.createAndRunWorkbench (Workbench.java:610)
at org.eclipse.ui.PlatformUI.createAndRunWorkbench (PlatformUI.java:148)
at eu.etaxonomy.taxeditor.Application.start (Application.java:20)
at org.eclipse.equinox.internal.app.EclipseAppHandle.run (EclipseAppHandle.java:196)
at org.eclipse.core.runtime.internal.adaptor.EclipseAppLauncher.runApplication (EclipseAppLauncher.java:134)
)
at org.eclipse.core.runtime.internal.adaptor.EclipseAppLauncher.start (EclipseAppLauncher.java:104)
at org.eclipse.core.runtime.adaptor.EclipseStarter.run (EclipseStarter.java:388)
at org.eclipse.core.runtime.adaptor.EclipseStarter.run (EclipseStarter.java:243)
at sun.reflect.NativeMethodAccessorImpl.invoke0 (Native Method)
at sun.reflect.NativeMethodAccessorImpl.invoke (NativeMethodAccessorImpl.java:62)
at sun.reflect.DelegatingMethodAccessorImpl.invoke (DelegatingMethodAccessorImpl.java:43)
at java.lang.reflect.Method.invoke (Method.java:498)
at org.eclipse.equinox.launcher.Main.invokeFramework (Main.java:673)
at org.eclipse.equinox.launcher.Main.basicRun (Main.java:610)
at org.eclipse.equinox.launcher.Main.run (Main.java:1519)
Caused by: java.lang.NullPointerException
at eu.etaxonomy.cdm.persistence.dto.TermDto.fromTerm (TermDto.java:85)
at eu.etaxonomy.cdm.persistence.dto.TermDto.fromTerm (TermDto.java:73)
at eu.etaxonomy.cdm.api.service.dto.StatisticalMeasurementValueDto.fromStatisticalMeasurementValue (StatisticalMeasurementValueDto.java:34)
at eu.etaxonomy.cdm.api.service.dto.QuantitativeDataDto.fromQuantitativeData (QuantitativeDataDto.java:46)
at eu.etaxonomy.cdm.api.service.dto.DescriptionBaseDto.fromDescription (DescriptionBaseDto.java:249)
at eu.etaxonomy.taxeditor.editor.descriptiveDataSet.matrix.CharacterMatrixPart.save (CharacterMatrixPart.java:249)
at sun.reflect.NativeMethodAccessorImpl.invoke0 (Native Method)
at sun.reflect.NativeMethodAccessorImpl.invoke (NativeMethodAccessorImpl.java:62)
at sun.reflect.DelegatingMethodAccessorImpl.invoke (DelegatingMethodAccessorImpl.java:43)
at java.lang.reflect.Method.invoke (Method.java:498)
at org.eclipse.e4.core.internal.di.MethodRequestor.execute (MethodRequestor.java:55)
... 48 more

```

This looks like dirty data but I updated all data before to not have null value for `StatisticalMeasurement.type`. After this that database was again filled with `statisticalMeasurement` data having no type (new records as far as I can see).

**#10 - 09/17/2021 11:16 PM - Andreas Müller**

I worked with 5.27.0.202109161022 beta as there is no newer version for nightly (build does not work). Also the current local version does not work

against the test server.

**#11 - 09/20/2021 10:06 AM - Katja Luther**

- File *picture019-1.png* added

Andreas Müller wrote:

I get the strange behavior that the matrix only shows the most left factual data column correctly. All other columns are grey though they contain data. When I scroll to the right and a new column is the most left column this column shows the data, etc.

Looks like this:

Strange, locally this behaviour does not appear, need to check whether I have missed to check in some files.

	Unit	Sammler + Nr	Identifier	Land	leaf			
					leaf	leaf arrangeme...	leaf maximum ...	leaf shape
1	▲ Acanthocere...							
2	▲ Acanthoce...							
3	#469	Honduras, Franc...		Honduras	absent	agglomerated, a...	8	acerose, aculeat
4	▲ Acanthoce...							
5	#471	Mexico, 30 km N...	159005	Mexico	absent	acyclic	58	
6	▶ Acanthoce...							
7	▶ Acanthoce...							
8	▶ Acanthoce...							
9	▶ Acanthoce...							
10	▶ Acanthoce...							

I also checked the actual nightly build and your test DB and all values are shown.

Now I could reproduce this behaviour, if a second exact value with min/max is added, the type is set to null...

**#12 - 09/20/2021 01:58 PM - Andreas Müller**

- Copied to bug #9772: Improve DTO usage for character matrix added

**#13 - 09/20/2021 02:00 PM - Andreas Müller**

- Status changed from Feedback to Closed

- % Done changed from 30 to 100

further discussions on DTO handling were moved to [#9772](#).

This ticket can be closed as it originally handles only the exception.

Please reopen if you think something is still missing.

**#14 - 09/21/2021 02:11 PM - Andreas Müller**

- Target version changed from Release 5.45 to Release 5.27

**Files**

picture189-1.png	14.3 KB	09/17/2021	Andreas Müller
picture019-1.png	12.7 KB	09/20/2021	Katja Luther