

EDIT - bug #9642

hibernate.QueryException in OccurrenceDaoHibernateImpl.countMedia()

06/01/2021 02:00 PM - Andreas Kohlbecker

Status:	Closed	Start date:	
Priority:	Highest	Due date:	
Assignee:	Andreas Müller	% Done:	100%
Category:	cdmlib	Estimated time:	0:00 hour
Target version:	Release 5.24	Found in Version:	
Severity:	normal		
Description			
<pre>12:55:00.629 [flora-malesiana] [qtp1511785794-17712] INFO e.e.c.r.c.DerivedUnitFacadeController - doGetFieldObjectMediaDTO() - /flora-malesiana/derivedUnitFacade/bf6da482-ace7-4029-8182-67c823a46274/fieldObjectMediaDTO 12:55:00.645 [flora-malesiana] [qtp1511785794-17712] WARN e.e.cdm.servlet.DateHeaderFilter - Can not add data header. org.springframework.web.util.NestedServletException: Request processing failed; nested exception is org.hibernate.QueryException: could not resolve property: media of: eu.etaxonomy.cdm.model.occurrence.SpecimenOrObservationBase [SELECT count(media) FROM eu.etaxonomy.cdm.model.occurrence.SpecimenOrObservationBase occurrence JOIN occurrence.media media WHERE occurrence = :occurrence]</pre>			
<p>Caused by: org.hibernate.QueryException: could not resolve property: media of: eu.etaxonomy.cdm.model.occurrence.SpecimenOrObservationBase [SELECT count(media) FROM eu.etaxonomy.cdm.model.occurrence.SpecimenOrObservationBase occurrence JOIN occurrence.media media WHERE occurrence = :occurrence]</p> <pre> at org.hibernate.QueryException.generateQueryException(QueryException.java:120) at org.hibernate.QueryException.wrapWithQueryString(QueryException.java:103) at org.hibernate.hql.internal.ast.QueryTranslatorImpl.doCompile(QueryTranslatorImpl.java:217) at org.hibernate.hql.internal.ast.QueryTranslatorImpl.compile(QueryTranslatorImpl.java:141) at org.hibernate.engine.query.spi.HQLQueryPlan.<init>(HQLQueryPlan.java:115) at org.hibernate.engine.query.spi.HQLQueryPlan.<init>(HQLQueryPlan.java:76) at org.hibernate.engine.query.spi.QueryPlanCache.getHQLQueryPlan(QueryPlanCache.java:150) at org.hibernate.internal.AbstractSessionImpl.getHQLQueryPlan(AbstractSessionImpl.java:302) at org.hibernate.internal.AbstractSessionImpl.createQuery(AbstractSessionImpl.java:240) at org.hibernate.internal.SessionImpl.createQuery(SessionImpl.java:1907) at eu.etaxonomy.cdm.persistence.dao.hibernate.occurrence.OccurrenceDaoHibernateImpl.countMedia(OccurrenceDaoHibernateImpl.java:136) at eu.etaxonomy.cdm.api.service.OccurrenceServiceImpl.getMediaDTOs(OccurrenceServiceImpl.java:201) at sun.reflect.GeneratedMethodAccessor8934.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.java:157) at org.springframework.transaction.interceptor.TransactionInterceptor\$1.proceedWithInvocation(TransactionInterceptor.java:99) at org.springframework.transaction.interceptor.TransactionAspectSupport.invokeWithinTransaction(TransactionAspectSupport.java:283) 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</pre>			

```

)
    at com.sun.proxy.$Proxy6843.getMediaDTOs(Unknown Source)
    at eu.etaxonomy.cdm.remote.controller.DerivedUnitFacadeController.lambda$doGetFieldObjectMediaDTO$0(DerivedUnitFacadeController.java:115)
    at java.util.stream.ReferencePipeline$3$1.accept(ReferencePipeline.java:193)
    at java.util.ArrayList$ArrayListSpliterator.forEachRemaining(ArrayList.java:1382)
    at java.util.stream.AbstractPipeline.copyInto(AbstractPipeline.java:481)
    at java.util.stream.AbstractPipeline.wrapAndCopyInto(AbstractPipeline.java:471)
    at java.util.stream.ReduceOps$ReduceOp.evaluateSequential(ReduceOps.java:708)
    at java.util.stream.AbstractPipeline.evaluate(AbstractPipeline.java:234)
    at java.util.stream.ReferencePipeline.collect(ReferencePipeline.java:499)
    at eu.etaxonomy.cdm.remote.controller.DerivedUnitFacadeController.doGetFieldObjectMediaDTO(DerivedUnitFacadeController.java:117)
    at sun.reflect.GeneratedMethodAccessor8812.invoke(Unknown Source)
    at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
    at java.lang.reflect.Method.invoke(Method.java:498)
    at org.springframework.web.method.support.InvocableHandlerMethod.doInvoke(InvocableHandlerMethod.java:205)
    at org.springframework.web.method.support.InvocableHandlerMethod.invokeForRequest(InvocableHandlerMethod.java:133)
    at org.springframework.web.servlet.mvc.method.annotation.ServletInvocableHandlerMethod.invokeAndHandle(ServletInvocableHandlerMethod.java:97)
    at org.springframework.web.servlet.mvc.method.annotation.RequestMappingHandlerAdapter.invokeHandlerMethod(RequestMappingHandlerAdapter.java:854)
    at org.springframework.web.servlet.mvc.method.annotation.RequestMappingHandlerAdapter.handleInternal(RequestMappingHandlerAdapter.java:765)
    at org.springframework.web.servlet.mvc.method.AbstractHandlerMethodAdapter.handle(AbstractHandlerMethodAdapter.java:85)
    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)
)

```

Associated revisions

Revision d6a8517c - 06/01/2021 05:01 PM - Andreas Müller

fix #9642 fix countMedia and getMedia in OccurrenceDaoHibernateImpl

Revision 7c47b73f - 06/02/2021 09:15 AM - Andreas Müller

ref #9642 remove unnecessary order by

Revision 678da343 - 06/02/2021 10:40 AM - Andreas Kohlbecker

ref #9642 adapting test method to more media appearing in the derivate path view

History

#1 - 06/01/2021 02:42 PM - Andreas Kohlbecker

- Subject changed from *hibernate.QueryException in derivedUnitFacade/{uuid}/fieldObjectMediaDTO* to *hibernate.QueryException in OccurrenceDaoHibernateImpl.countMedia()*

- Category changed from *cdmlib-remote* to *cdmlib*

- Assignee changed from *Andreas Kohlbecker* to *Andreas Müller*

#2 - 06/01/2021 05:01 PM - Andreas Müller

- Status changed from *New* to *Resolved*

- % Done changed from *0* to *50*

Applied in changeset [cdmlib@d6a8517c4b8892a03e449dfe3c751036ee570bd6](#).

#3 - 06/01/2021 05:05 PM - Andreas Müller

- Assignee changed from *Andreas Müller* to *Andreas Kohlbecker*

- Target version changed from *Release 5.25* to *Release 5.24*

The method `countMedia` and `getMedia` in `OccurrenceImpl` was not correctly updated after media was removed from `SpecimenOrObservationBase` years ago.

I updated the method to collect all media attached to a `SpecimenOrObservationBase` via an `ImageGallery` and, if the specimen is a `MediaSpecimen`, the media for the media specimen.

#4 - 06/01/2021 05:05 PM - Andreas Müller

please review

#5 - 06/02/2021 08:46 AM - Andreas Kohlbecker

- Assignee changed from *Andreas Kohlbecker* to *Andreas Müller*

In principle OK. In case of `MediaSpecimens` the list of Media ids collected by `getMediaIds()` is sorted twice: first by the mysql server, then by the `cdmLib`. This can be avoided by the following change:

- remove: `ORDER BY m.id`
- move `Collections.sort(list)`; out of the if statement block right above the return.

I guess there is still a test to be adapted?

The ticket can be closed, once these two points are handled

#6 - 06/02/2021 09:13 AM - Andreas Müller

- Assignee changed from *Andreas Müller* to *Andreas Kohlbecker*

Andreas Kohlbecker wrote:

In principle OK. In case of `MediaSpecimens` the list of Media ids collected by `getMediaIds()` is sorted twice: first by the mysql server, then by the `cdmLib`. This can be avoided by the following change:

- remove: `ORDER BY m.id`
- move `Collections.sort(list)`; out of the if statement block right above the return.

I guess there is still a test to be adapted?

The ticket can be closed, once these two points are handled

This is somehow true but there is a reason for doing it the way it is implemented:

Ordering takes place in mysql anyway due to "DISTINCT", therefore there is no overhead for order by in SQL. But there is a (small) overhead by running java sort on *all* specimen, not only the media specimen.

Additionally the media specimen will only add max. 1 id to the list, so even if the above assumption is not true the additional sorting of a mostly presorted list will be extremely small.

I guess there is still a test to be adapted?

why exactly do you mean?

#7 - 06/02/2021 09:15 AM - Andreas Müller

But I removed the order by from the media specimen sql. As this query always returns max 1 result order by is not necessary.

#8 - 06/02/2021 10:16 AM - Andreas Kohlbecker

- Status changed from *Resolved* to *Feedback*

- Assignee changed from *Andreas Kohlbecker* to *Andreas Müller*

Andreas Müller wrote:

I guess there is still a test to be adapted?

why exactly do you mean?

Isn't this related to the "*Tests für countMedia*" currently being discussed by email?

#9 - 06/02/2021 10:20 AM - Andreas Müller

- Assignee changed from *Andreas Müller* to *Andreas Kohlbecker*

Andreas Kohlbecker wrote:

Andreas Müller wrote:

I guess there is still a test to be adapted?

whyt exactly do you mean?

Isn't this related to the "*Tests für countMedia*" currently being discussed by email?

Ahh, you mean the dataportal test? Yes, this is true, this needs to be adapted.

#10 - 06/02/2021 10:41 AM - Andreas Kohlbecker

- Status changed from *Feedback* to *Closed*

- Assignee changed from *Andreas Kohlbecker* to *Andreas Müller*

- % Done changed from *50* to *100*

Done