

## EDIT - bug #10084

### Adding a new specimen to character matrix fails

06/28/2022 11:43 AM - Katja Luther

<b>Status:</b>	Closed	<b>Start date:</b>	
<b>Priority:</b>	Priority14	<b>Due date:</b>	
<b>Assignee:</b>	Katja Luther	<b>% Done:</b>	90%
<b>Category:</b>	taxeditor	<b>Estimated time:</b>	0:00 hour
<b>Target version:</b>	Release 5.32	<b>Found in Version:</b>	
<b>Severity:</b>	normal		
<b>Description</b>			
The following exception appears when trying to save the character matrix after adding a new specimen:			
<pre>last remote method : https://api.cybertaxonomy.org:443/caryophyllales_spp/remoting/descriptivedata set.service last remote request client time : 2022-06-28T11:42:29.155 last remote request response header time : Tue, 28 Jun 2022 09:42:29 GMT client error time : 2022-06-28T11:42:29.48 login : admin editor version : 5.30.0 server : api.cybertaxonomy.org (cybertaxonomy.org) / caryophyllales_spp schema version : 5.29.0.0.20211122 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.jav a: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:13 2)     at org.eclipse.e4.core.commands.internal.HandlerServiceHandler.execute(HandlerServiceHandler.j ava: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(HandledContri butionItem.java:433)     at org.eclipse.e4.ui.workbench.renderers.swt.AbstractContributionItem.handleWidgetSelection(Ab stractContributionItem.java:454)     at org.eclipse.e4.ui.workbench.renderers.swt.AbstractContributionItem\$3.handleEvent(AbstractCo ntributionItem.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)</pre>			

```

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$5.run(Workbench.java:693)
at org.eclipse.core.databinding.observable.Realm.runWithDefault(Realm.java:336)
at org.eclipse.ui.internal.Workbench.createAndRunWorkbench(Workbench.java:610)
at org.eclipse.ui.PlatformUI.createAndRunWorkbench(PlatformUI.java:148)
at eu.etaxonomy.taxeditor.Application.start(Application.java:20)
at org.eclipse.equinox.internal.app.EclipseAppHandle.run(EclipseAppHandle.java:196)
at org.eclipse.core.runtime.internal.adaptor.EclipseAppLauncher.runApplication(EclipseAppLauncher.java:134)
at org.eclipse.core.runtime.internal.adaptor.EclipseAppLauncher.start(EclipseAppLauncher.java:104)
at org.eclipse.core.runtime.adaptor.EclipseStarter.run(EclipseStarter.java:388)
at org.eclipse.core.runtime.adaptor.EclipseStarter.run(EclipseStarter.java:243)
at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
at java.lang.reflect.Method.invoke(Method.java:498)
at org.eclipse.equinox.launcher.Main.invokeFramework(Main.java:673)
at org.eclipse.equinox.launcher.Main.basicRun(Main.java:610)
at org.eclipse.equinox.launcher.Main.run(Main.java:1519)
Caused by: java.lang.NullPointerException
at eu.etaxonomy.cdm.api.service.DescriptiveDataSetService.lambda$addRowWrapperToDataset$3(DescriptiveDataSetService.java:259)
at java.util.stream.ReferencePipeline$2$1.accept(ReferencePipeline.java:174)
at java.util.ArrayList$ArrayListSpliterator.tryAdvance(ArrayList.java:1359)
at java.util.stream.ReferencePipeline.forEachWithCancel(ReferencePipeline.java:126)
at java.util.stream.AbstractPipeline.copyIntoWithCancel(AbstractPipeline.java:498)
at java.util.stream.AbstractPipeline.copyInto(AbstractPipeline.java:485)
at java.util.stream.AbstractPipeline.wrapAndCopyInto(AbstractPipeline.java:471)
at java.util.stream.FindOps$FindOp.evaluateSequential(FindOps.java:152)
at java.util.stream.AbstractPipeline.evaluate(AbstractPipeline.java:234)
at java.util.stream.ReferencePipeline.findAny(ReferencePipeline.java:469)
at eu.etaxonomy.cdm.api.service.DescriptiveDataSetService.addRowWrapperToDataset(DescriptiveDataSetService.java:259)
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.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$1.proceedWithInvocation(TransactionInterceptor.java:99)
at org.springframework.transaction.interceptor.TransactionAspectSupport.invokeWithinTransaction(TransactionAspectSupport.java:283)
at org.springframework.transaction.interceptor.TransactionInterceptor.invoke(TransactionInterceptor.java:96)
at org.springframework.aop.framework.ReflectiveMethodInvocation.proceed(ReflectiveMethodInvocation.java:179)
at org.springframework.aop.framework.JdkDynamicAopProxy.invoke(JdkDynamicAopProxy.java:213)
at com.sun.proxy.$Proxy725.addRowWrapperToDataset(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.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.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.$Proxy1150.addRowWrapperToDataset (Unknown Source)
at sun.reflect.NativeMethodAccessorImpl.invoke0 (Native Method)
at sun.reflect.NativeMethodAccessorImpl.invoke (NativeMethodAccessorImpl.java:62)
at sun.reflect.DelegatingMethodAccessorImpl.invoke (DelegatingMethodAccessorImpl.java:43)
at java.lang.reflect.Method.invoke (Method.java:498)
at org.springframework.remoting.support.RemoteInvocation.invoke (RemoteInvocation.java:212)
at eu.etaxonomy.cdm.api.remoting.DebuggingRemoteInvocationExecutor.invoke (DebuggingRemoteInvocationExecutor.java:52)
at org.springframework.remoting.support.RemoteInvocationBasedExporter.invoke (RemoteInvocationBasedExporter.java:78)
at org.springframework.remoting.support.RemoteInvocationBasedExporter.invokeAndCreateResult (RemoteInvocationBasedExporter.java:114)
at org.springframework.remoting.httpinvoker.HttpInvokerServiceExporter.handleRequest (HttpInvokerServiceExporter.java:80)
at org.springframework.web.servlet.mvc.HttpRequestHandlerAdapter.handle (HttpRequestHandlerAdapter.java:51)
at org.springframework.web.servlet.DispatcherServlet.doDispatch (DispatcherServlet.java:967)
at org.springframework.web.servlet.DispatcherServlet.doService (DispatcherServlet.java:901)
at org.springframework.web.servlet.FrameworkServlet.processRequest (FrameworkServlet.java:970)
at org.springframework.web.servlet.FrameworkServlet.doPost (FrameworkServlet.java:872)
at javax.servlet.http.HttpServlet.service (HttpServlet.java:707)
at org.springframework.web.servlet.FrameworkServlet.service (FrameworkServlet.java:846)
at javax.servlet.http.HttpServlet.service (HttpServlet.java:790)
at org.eclipse.jetty.servlet.ServletHolder$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)
at org.springframework.web.filter.OncePerRequestFilter.doFilter (OncePerRequestFilter.java:107)
```

```
at org.springframework.security.web.FilterChainProxy$VirtualFilterChain.doFilter (FilterChainPr
oxy.java:331)
at org.springframework.security.web.context.SecurityContextPersistenceFilter.doFilter (Security
ContextPersistenceFilter.java:105)
at org.springframework.security.web.FilterChainProxy$VirtualFilterChain.doFilter (FilterChainPr
oxy.java:331)
at org.springframework.security.web.context.request.async.WebAsyncManagerIntegrationFilter.doF
ilterInternal (WebAsyncManagerIntegrationFilter.java:56)
at org.springframework.web.filter.OncePerRequestFilter.doFilter (OncePerRequestFilter.java:107)
at org.springframework.security.web.FilterChainProxy$VirtualFilterChain.doFilter (FilterChainPr
oxy.java:331)
at org.springframework.security.web.FilterChainProxy.doFilterInternal (FilterChainProxy.java:21
4)
at org.springframework.security.web.FilterChainProxy.doFilter (FilterChainProxy.java:177)
at org.springframework.web.filter.DelegatingFilterProxy.invokeDelegate (DelegatingFilterProxy.j
ava:347)
at org.springframework.web.filter.DelegatingFilterProxy.doFilter (DelegatingFilterProxy.java:26
3)
at org.eclipse.jetty.servlet.ServletHandler$CachedChain.doFilter (ServletHandler.java:1604)
at eu.etaxonomy.cdm.servlet.DateHeaderFilter.doFilter (DateHeaderFilter.java:55)
at org.eclipse.jetty.servlet.ServletHandler$CachedChain.doFilter (ServletHandler.java:1604)
at org.springframework.web.filter.CharacterEncodingFilter.doFilterInternal (CharacterEncodingFi
lter.java:197)
at org.springframework.web.filter.OncePerRequestFilter.doFilter (OncePerRequestFilter.java:107)
at org.eclipse.jetty.servlet.ServletHandler$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:48)
at org.eclipse.jetty.server.handler.ContextHandlerCollection.handle (ContextHandlerCollection.j
ava: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 (ReservedThreadExecu
tor.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.recreateRemoteInvocation
Result (RemoteInvocationBasedAccessor.java:85)
```

```
at org.springframework.remoting.httpinvoker.HttpInvokerClientInterceptor.invoke(HttpInvokerClientInterceptor.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.$Proxy49.addRowWrapperToDataset(Unknown Source)
at eu.etaxonomy.taxeditor.editor.descriptiveDataSet.matrix.CharacterMatrix.addSpecimensToDescriptiveDataSet(CharacterMatrix.java:996)
at eu.etaxonomy.taxeditor.editor.descriptiveDataSet.matrix.CharacterMatrixPart.save(CharacterMatrixPart.java:207)
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
```

#### Related issues:

Copied to EDIT - task #10109: Investigate best practice for HQL with enumset

**New**

#### Associated revisions

##### Revision bce2d0e5 - 06/28/2022 11:44 AM - Katja Luther

fix 10084: fix problem with missing taxonuuid in dto

##### Revision f134a838 - 07/06/2022 09:49 AM - Katja Luther

ref #10084: add type comparison to hql again

##### Revision 13b70d09 - 07/29/2022 01:54 PM - Andreas Müller

ref #10084 adapt query to TypedQuery

##### Revision 78d9e692 - 07/29/2022 01:54 PM - Andreas Müller

ref #10084 revert filtering by description type in query, needs further investigation

#### History

##### #1 - 06/28/2022 11:46 AM - Katja Luther

- Status changed from *New* to *Resolved*

- % Done changed from 0 to 60

Please review.

##### #2 - 06/28/2022 12:57 PM - Andreas Müller

- Assignee changed from *Katja Luther* to *Andreas Müller*

##### #3 - 07/05/2022 05:57 PM - Andreas Müller

- Status changed from *Resolved* to *Feedback*

- Assignee changed from *Andreas Müller* to *Katja Luther*

Generally the bug seems to be fixed and the ticket can be closed.

Only the handling of descriptionType in the code changes I do not fully understand/like. Loading all data and then filtering by type does not seem to be the most performant way. Isn't it possible to use a like-search eg. parameter like "%#AGG#%" or something similar? Have you tested this and it does not work or is the current solution a quick-fix to get the search running at all?

If it is a quick-fix we should create a new ticket for this related issue, I guess.

##### #4 - 07/06/2022 09:50 AM - Katja Luther

- Status changed from *Feedback* to *Resolved*

- Assignee changed from *Katja Luther* to *Andreas Müller*

Andreas Müller wrote in [#note-3](#):

Generally the bug seems to be fixed and the ticket can be closed.

Only the handling of descriptionType in the code changes I do not fully understand/like. Loading all data and then filtering by type does not seem to be the most performant way. Isn't it possible to use a like-search eg. parameter like "%#AGG#%" or something similar? Have you tested this and it does not work or is the current solution a quick-fix to get the search running at all?

If it is a quick-fix we should create a new ticket for this related issue, I guess.

Sometimes it needs a break, than a better solution could be found. I solved it with ":descriptionType IN d.types"

**#5 - 07/06/2022 10:00 AM - Andreas Müller**

Katja Luther wrote in [#note-4](#):

Sometimes it needs a break, than a better solution could be found. I solved it with ":descriptionType IN d.types"

Did you test this, or better is there a test that proves that it works? I asked because types is an enum of termtype which is mapped to hibernate via a self-written usertype. Therefore I doubt that it works like an ordinary collection.

**#6 - 07/06/2022 10:00 AM - Andreas Müller**

- Status changed from Resolved to Feedback

- Assignee changed from Andreas Müller to Katja Luther

**#7 - 07/07/2022 12:44 PM - Katja Luther**

Katja Luther wrote in [#note-4](#):

Andreas Müller wrote in [#note-3](#):

Generally the bug seems to be fixed and the ticket can be closed.

Only the handling of descriptionType in the code changes I do not fully understand/like. Loading all data and then filtering by type does not seem to be the most performant way. Isn't it possible to use a like-search eg. parameter like "%#AGG#%" or something similar? Have you tested this and it does not work or is the current solution a quick-fix to get the search running at all?

If it is a quick-fix we should create a new ticket for this related issue, I guess.

Sometimes it needs a break, than a better solution could be found. I solved it with ":descriptionType IN d.types"

Neither "LIKE '#AGG'" (types is not of type string) nor the "IN d.types" works, so I would come back to the workaround implementation as long as we do not have a better solution.

**#8 - 07/26/2022 11:13 PM - Andreas Müller**

- Assignee changed from Katja Luther to Andreas Müller

**#9 - 07/29/2022 08:50 PM - Andreas Müller**

- Copied to task #10109: Investigate best practice for HQL with enumset added

**#10 - 07/29/2022 08:53 PM - Andreas Müller**

- Status changed from Feedback to Resolved

- Priority changed from Highest to Priority14

- % Done changed from 60 to 90

It looked to me as you did not yet revert, so I tried to do this by [78d9e692](#) . Please review. I already checked on nightly and adding a specimen still works.

I created a new ticket for the filter by description type issue which is not really related to this ticket as a description type filter does not exist here.

We can close the ticket after your final review.

**#11 - 07/29/2022 08:53 PM - Andreas Müller**

- Assignee changed from Andreas Müller to Katja Luther

**#12 - 08/23/2022 12:31 PM - Katja Luther**

*- Status changed from Resolved to Closed*

Everything ok.