

## EDIT - bug #9149

### NPE when saving hybrid formula

07/14/2020 12:06 PM - Andreas Müller

<b>Status:</b>	Duplicate	<b>Start date:</b>	
<b>Priority:</b>	Highest	<b>Due date:</b>	
<b>Assignee:</b>	Andreas Müller	<b>% Done:</b>	10%
<b>Category:</b>	taxeditor	<b>Estimated time:</b>	0:00 hour
<b>Target version:</b>		<b>Found in Version:</b>	
<b>Severity:</b>	normal		
<b>Description</b>			
<pre>last remote method : http://localhost:65480/remoting/taxonnode.service last remote request client time : 2020-07-08T16:09:31.218 last remote request response header time : Wed, 8 Jul 2020 16:09:31 +0200 client error time : 2020-07-08T16:09:31.565 login : admin editor version : 5.17.0.202007081029 server : localhost (localhost mgd.) / Cyprus production schema version : 5.15.2.0.20200611 os : Windows Server 2012 R2 6.3 amd64 java : 1.8.0_121 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(ContextInjectionFac tory.java:90)     at org.eclipse.e4.ui.internal.workbench.PartServiceSaveHandler.save(PartServiceSav eHandler.java:57)     at org.eclipse.ui.internal.WorkbenchWindow\$7.save(WorkbenchWindow.java:594)     at org.eclipse.e4.ui.internal.workbench.PartServiceImpl.savePart(PartServiceImpl.j ava:1390)     at eu.etaxonomy.taxeditor.workbench.SaveHandler.execute(SaveHandler.java:38)     at sun.reflect.GeneratedMethodAccessor438.invoke(Unknown Source)     at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.ja va: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(ContextInjectionFac tory.java:132)     at org.eclipse.e4.core.commands.internal.HandlerServiceHandler.execute(HandlerServ iceHandler.java:152)     at org.eclipse.core.commands.Command.executeWithChecks(Command.java:494)     at org.eclipse.core.commands.ParameterizedCommand.executeWithChecks(ParameterizedC ommand.java:488)     at org.eclipse.e4.core.commands.internal.HandlerServiceImpl.executeHandler(Handler ServiceImpl.java:210)     at org.eclipse.e4.ui.workbench.renderers.swt.HandledContributionItem.executeItem(H andledContributionItem.java:433)     at org.eclipse.e4.ui.workbench.renderers.swt.AbstractContributionItem.handleWidget Selection(AbstractContributionItem.java:454)     at org.eclipse.e4.ui.workbench.renderers.swt.AbstractContributionItem\$3.handleEven t(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)</pre>			

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    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 (PartRenderin
gEngine.java:1121)
    at org.eclipse.core.databinding.observable.Realm.runWithDefault (Realm.java:336)
    at org.eclipse.e4.ui.internal.workbench.swt.PartRenderingEngine.run (PartRenderingE
ngine.java:1022)
    at org.eclipse.e4.ui.internal.workbench.E4Workbench.createAndRunUI (E4Workbench.jav
a: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 (Ecl
ipseAppLauncher.java:134)
    at org.eclipse.core.runtime.internal.adaptor.EclipseAppLauncher.start (EclipseAppLa
uncher.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.ja
va: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.strategy.cache.name.TaxonNameDefaultCacheStrategy.getTaggedNam
e (TaxonNameDefaultCacheStrategy.java:448)
    at eu.etaxonomy.cdm.strategy.cache.name.TaxonNameDefaultCacheStrategy.getTaggedNam
e (TaxonNameDefaultCacheStrategy.java:466)
    at eu.etaxonomy.cdm.strategy.cache.name.NameCacheStrategyBase.getNameCache (NameCac
heStrategyBase.java:122)
    at eu.etaxonomy.cdm.model.name.TaxonName.generateNameCache (TaxonName.java:1917)
    at eu.etaxonomy.cdm.model.name.TaxonName.getNameCache (TaxonName.java:1939)
    at eu.etaxonomy.cdm.persistence.hibernate.CdmPreDataChangeListener.generateCaches (
CdmPreDataChangeListener.java:117)
    at eu.etaxonomy.cdm.persistence.hibernate.CacheStrategyGenerator.saveOrUpdateOrMer
ge (CacheStrategyGenerator.java:48)
    at eu.etaxonomy.cdm.persistence.hibernate.CacheStrategyGenerator.onSaveOrUpdate (Ca
cheStrategyGenerator.java:33)
    at org.hibernate.internal.SessionImpl.fireSaveOrUpdate (SessionImpl.java:648)
    at org.hibernate.internal.SessionImpl.saveOrUpdate (SessionImpl.java:640)
    at org.hibernate.engine.spi.CascadingActions$5.cascade (CascadingActions.java:218)
    at org.hibernate.engine.internal.Cascade.cascadeToOne (Cascade.java:398)
    at org.hibernate.engine.internal.Cascade.cascadeAssociation (Cascade.java:323)
    at org.hibernate.engine.internal.Cascade.cascadeProperty (Cascade.java:162)
    at org.hibernate.engine.internal.Cascade.cascade (Cascade.java:111)
    at org.hibernate.event.internal.AbstractFlushingEventListener.cascadeOnFlush (Abstr
actFlushingEventListener.java:150)
    at org.hibernate.event.internal.AbstractFlushingEventListener.prepareEntityFlushes
 (AbstractFlushingEventListener.java:141)
    at org.hibernate.event.internal.AbstractFlushingEventListener.flushEverythingToExe
cutions (AbstractFlushingEventListener.java:74)
    at org.hibernate.event.internal.DefaultFlushEventListener.onFlush (DefaultFlushEven
tListener.java:38)
    at org.hibernate.internal.SessionImpl.flush (SessionImpl.java:1282)
    at org.hibernate.internal.SessionImpl.managedFlush (SessionImpl.java:465)
    at org.hibernate.internal.SessionImpl.flushBeforeTransactionCompletion (SessionImpl
.java:2963)
    at org.hibernate.internal.SessionImpl.beforeTransactionCompletion (SessionImpl.java
:2339)
    at org.hibernate.engine.jdbc.internal.JdbcCoordinatorImpl.beforeTransactionComple

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ion(JdbcCoordinatorImpl.java:485)
    at org.hibernate.resource.transaction.backend.jdbc.internal.JdbcResourceLocalTransactionCoordinatorImpl.beforeCompletionCallback(JdbcResourceLocalTransactionCoordinatorImpl.java:147)
    at org.hibernate.resource.transaction.backend.jdbc.internal.JdbcResourceLocalTransactionCoordinatorImpl.access$100(JdbcResourceLocalTransactionCoordinatorImpl.java:38)
    at org.hibernate.resource.transaction.backend.jdbc.internal.JdbcResourceLocalTransactionCoordinatorImpl$TransactionDriverControlImpl.commit(JdbcResourceLocalTransactionCoordinatorImpl.java:231)
    at org.hibernate.engine.transaction.internal.TransactionImpl.commit(TransactionImpl.java:65)
    at org.springframework.orm.hibernate5.HibernateTransactionManager.doCommit(HibernateTransactionManager.java:581)
    at org.springframework.transaction.support.AbstractPlatformTransactionManager.processCommit(AbstractPlatformTransactionManager.java:761)
    at org.springframework.transaction.support.AbstractPlatformTransactionManager.commit(AbstractPlatformTransactionManager.java:730)
    at org.springframework.transaction.interceptor.TransactionAspectSupport.commitTransactionAfterReturning(TransactionAspectSupport.java:485)
    at org.springframework.transaction.interceptor.TransactionAspectSupport.invokeWithinTransaction(TransactionAspectSupport.java:291)
    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:208)
    at com.sun.proxy.$Proxy193.merge(Unknown Source)
    at sun.reflect.GeneratedMethodAccessor344.invoke(Unknown Source)
    at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
    at java.lang.reflect.Method.invoke(Method.java:498)
    at org.springframework.aop.support.AopUtils.invokeJoinpointUsingReflection(AopUtils.java:302)
    at org.springframework.aop.framework.ReflectiveMethodInvocation.invokeJoinpoint(ReflectiveMethodInvocation.java:190)
    at org.springframework.aop.framework.ReflectiveMethodInvocation.proceed(ReflectiveMethodInvocation.java:157)
    at org.springframework.remoting.support.RemoteInvocationTraceInterceptor.invoke(RemoteInvocationTraceInterceptor.java:78)
    at org.springframework.aop.framework.ReflectiveMethodInvocation.proceed(ReflectiveMethodInvocation.java:179)
    at org.springframework.aop.framework.JdkDynamicAopProxy.invoke(JdkDynamicAopProxy.java:208)
    at com.sun.proxy.$Proxy305.merge(Unknown Source)
    at sun.reflect.GeneratedMethodAccessor446.invoke(Unknown Source)
    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:74)
    at org.springframework.web.servlet.mvc.HttpRequestHandlerAdapter.handle(HttpServletRequestHandlerAdapter.java:51)
    at org.springframework.web.servlet.DispatcherServlet.doDispatch(DispatcherServlet.java:959)
    at org.springframework.web.servlet.DispatcherServlet.doService(DispatcherServlet.java:893)
    at org.springframework.web.servlet.FrameworkServlet.processRequest(FrameworkServlet.java:969)
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at org.springframework.web.servlet.FrameworkServlet.doPost (FrameworkServlet.java:8
71)
at javax.servlet.http.HttpServlet.service (HttpServlet.java:707)
at org.springframework.web.servlet.FrameworkServlet.service (FrameworkServlet.java:
845)
at javax.servlet.http.HttpServlet.service (HttpServlet.java:790)
at org.eclipse.jetty.servlet.ServletHolder$NotAsyncServlet.service (ServletHolder.j
ava:1395)
at org.eclipse.jetty.servlet.ServletHolder.handle (ServletHolder.java:755)
at org.eclipse.jetty.servlet.ServletHandler$CachedChain.doFilter (ServletHandler.ja
va:1617)
at org.springframework.security.web.FilterChainProxy$VirtualFilterChain.doFilter (F
ilterChainProxy.java:316)
at org.springframework.security.web.access.intercept.FilterSecurityInterceptor.inv
oke (FilterSecurityInterceptor.java:126)
at org.springframework.security.web.access.intercept.FilterSecurityInterceptor.doF
ilter (FilterSecurityInterceptor.java:90)
at org.springframework.security.web.FilterChainProxy$VirtualFilterChain.doFilter (F
ilterChainProxy.java:330)
at org.springframework.security.web.access.ExceptionTranslationFilter.doFilter (Exc
eptionTranslationFilter.java:114)
at org.springframework.security.web.FilterChainProxy$VirtualFilterChain.doFilter (F
ilterChainProxy.java:330)
at org.springframework.security.web.session.SessionManagementFilter.doFilter (Sessi
onManagementFilter.java:122)
at org.springframework.security.web.FilterChainProxy$VirtualFilterChain.doFilter (F
ilterChainProxy.java:330)
at org.springframework.security.web.servletapi.SecurityContextHolderAwareRequestFi
lter.doFilter (SecurityContextHolderAwareRequestFilter.java:169)
at org.springframework.security.web.FilterChainProxy$VirtualFilterChain.doFilter (F
ilterChainProxy.java:330)
at org.springframework.security.web.savedrequest.RequestCacheAwareFilter.doFilter (
RequestCacheAwareFilter.java:48)
at org.springframework.security.web.FilterChainProxy$VirtualFilterChain.doFilter (F
ilterChainProxy.java:330)
at org.springframework.security.web.authentication.www.BasicAuthenticationFilter.d
oFilterInternal (BasicAuthenticationFilter.java:213)
at org.springframework.web.filter.OncePerRequestFilter.doFilter (OncePerRequestFilt
er.java:107)
at org.springframework.security.web.FilterChainProxy$VirtualFilterChain.doFilter (F
ilterChainProxy.java:330)
at org.springframework.security.web.authentication.logout.LogoutFilter.doFilter (Lo
goutFilter.java:120)
at org.springframework.security.web.FilterChainProxy$VirtualFilterChain.doFilter (F
ilterChainProxy.java:330)
at org.springframework.security.web.header.HeaderWriterFilter.doFilterInternal (Hea
derWriterFilter.java:64)
at org.springframework.web.filter.OncePerRequestFilter.doFilter (OncePerRequestFilt
er.java:107)
at org.springframework.security.web.FilterChainProxy$VirtualFilterChain.doFilter (F
ilterChainProxy.java:330)
at org.springframework.security.web.context.SecurityContextPersistenceFilter.doFil
ter (SecurityContextPersistenceFilter.java:91)
at org.springframework.security.web.FilterChainProxy$VirtualFilterChain.doFilter (F
ilterChainProxy.java:330)
at org.springframework.security.web.context.request.async.WebAsyncManagerIntegrati
onFilter.doFilterInternal (WebAsyncManagerIntegrationFilter.java:53)
at org.springframework.web.filter.OncePerRequestFilter.doFilter (OncePerRequestFilt
er.java:107)
at org.springframework.security.web.FilterChainProxy$VirtualFilterChain.doFilter (F
ilterChainProxy.java:330)
at org.springframework.security.web.FilterChainProxy.doFilterInternal (FilterChainP
roxy.java:213)
at org.springframework.security.web.FilterChainProxy.doFilter (FilterChainProxy.jav
a:176)
at org.springframework.web.filter.DelegatingFilterProxy.invokeDelegate (DelegatingF
ilterProxy.java:346)
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        at org.springframework.web.filter.DelegatingFilterProxy.doFilter(DelegatingFilterP
roxy.java:262)
        at org.eclipse.jetty.servlet.ServletHandler$CachedChain.doFilter(ServletHandler.ja
va:1604)
        at eu.etaxonomy.cdm.servlet.DateHeaderFilter.doFilter(DateHeaderFilter.java:55)
        at org.eclipse.jetty.servlet.ServletHandler$CachedChain.doFilter(ServletHandler.ja
va:1604)
        at org.springframework.web.filter.CharacterEncodingFilter.doFilterInternal(Charact
erEncodingFilter.java:121)
        at org.springframework.web.filter.OncePerRequestFilter.doFilter(OncePerRequestFilt
er.java:107)
        at org.eclipse.jetty.servlet.ServletHandler$CachedChain.doFilter(ServletHandler.ja
va: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:23
5)
        at org.eclipse.jetty.server.session.SessionHandler.doHandle(SessionHandler.java:16
07)
        at org.eclipse.jetty.server.handler.ScopedHandler.nextHandle(ScopedHandler.java:23
3)
        at org.eclipse.jetty.server.handler.ContextHandler.doHandle(ContextHandler.java:12
97)
        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:157
7)
        at org.eclipse.jetty.server.handler.ScopedHandler.nextScope(ScopedHandler.java:186
)
        at org.eclipse.jetty.server.handler.ContextHandler.doScope(ContextHandler.java:121
2)
        at org.eclipse.jetty.server.handler.ScopedHandler.handle(ScopedHandler.java:141)
        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(AbstractConnecti
on.java:311)
        at org.eclipse.jetty.io.FillInterest.fillable(FillInterest.java:103)
        at org.eclipse.jetty.io.ChannelEndPoint$2.run(ChannelEndPoint.java:117)
        at org.eclipse.jetty.util.thread.strategy.EatWhatYouKill.runTask(EatWhatYouKill.ja
va:336)
        at org.eclipse.jetty.util.thread.strategy.EatWhatYouKill.doProduce(EatWhatYouKill.
java:313)
        at org.eclipse.jetty.util.thread.strategy.EatWhatYouKill.tryProduce(EatWhatYouKill
.java:171)
        at org.eclipse.jetty.util.thread.strategy.EatWhatYouKill.run(EatWhatYouKill.java:1
29)
        at org.eclipse.jetty.util.thread.ReservedThreadExecutor$ReservedThread.run(Reserve
dThreadExecutor.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:745)
        at org.springframework.remoting.support.RemoteInvocationUtils.fillInClientStackTra
ceIfPossible(RemoteInvocationUtils.java:45)
        at org.springframework.remoting.support.RemoteInvocationResult.recreate(RemoteInvo
cationResult.java:149)
        at org.springframework.remoting.support.RemoteInvocationBasedAccessor.recreateRemo
teInvocationResult(RemoteInvocationBasedAccessor.java:85)
        at org.springframework.remoting.httpinvoker.HttpInvokerClientInterceptor.invoke(Ht

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tpInvokerClientInterceptor.java:150)
    at org.springframework.aop.framework.ReflectiveMethodInvocation.proceed(Reflective
MethodInvocation.java:179)
    at org.springframework.aop.framework.JdkDynamicAopProxy.invoke(JdkDynamicAopProxy.
java:208)
    at com.sun.proxy.$Proxy345.merge(Unknown Source)
    at eu.etaxonomy.taxeditor.editor.e4.TaxonEditorInputE4.merge(TaxonEditorInputE4.ja
va:424)
    at eu.etaxonomy.taxeditor.editor.name.e4.TaxonNameEditorE4.save(TaxonNameEditorE4.
java:419)
    at sun.reflect.GeneratedMethodAccessor442.invoke(Unknown Source)
    at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.ja
va:43)
    at java.lang.reflect.Method.invoke(Method.java:498)
    at org.eclipse.e4.core.internal.di.MethodRequestor.execute(MethodRequestor.java:55
)
    ... 47 more
```

#### Related issues:

Is duplicate of EDIT - bug #9360: Parsed hybrids can not be persisted

[Feedback](#)

#### History

##### #1 - 07/14/2020 12:47 PM - Andreas Müller

- % Done changed from 0 to 10

This happens during merge on server side. The parent names do not have any data at some time when getTitleCache is called on children. This is strange because the merged taxon name's parents do have the correct state. It looks like getTitleCache on child is called before the server side parents are filled with any data. This causes the problem. Is it correct to handle the titleCaches in a **PreDataChangeListener**?

Needs further research.

##### #2 - 01/23/2021 02:46 AM - Andreas Müller

- Related to bug #9360: Parsed hybrids can not be persisted added

##### #3 - 01/26/2021 12:33 PM - Andreas Müller

- Target version changed from Release 5.18 to Release 5.19

##### #4 - 01/26/2021 12:43 PM - Andreas Müller

- Status changed from New to Duplicate

- Priority changed from New to Highest

- Target version deleted (Release 5.19)

##### #5 - 01/26/2021 12:43 PM - Andreas Müller

- Related to deleted (bug #9360: Parsed hybrids can not be persisted)

##### #6 - 01/26/2021 12:43 PM - Andreas Müller

- Is duplicate of bug #9360: Parsed hybrids can not be persisted added