

EDIT - bug #7586

com.vaadin.data.Property\$ReadOnlyException on opening TypeSpecimenWorkingsetEditor

07/26/2018 08:05 AM - Andreas Kohlbecker

Status:	Closed	Start date:	
Priority:	Highest	Due date:	
Assignee:	Andreas Kohlbecker	% Done:	100%
Category:	cdm-vaadin	Estimated time:	0:00 hour
Target version:	Release 5.2	Found in Version:	
Severity:	critical		
Description			
<p>This ReadOnlyException is thrown when a user with insufficient privileges for editing the collector related to a FieldUnit opens the TypeSpecimenWorkingsetEditor:</p>			
<p>...</p>			
<p>Caused by: com.vaadin.event.ListenerMethod\$MethodException: Invocation of method buttonClick in eu.etaxonomy.cdm.vaadin.view.registration.RegistrationWorksetViewBean\$\$Lambda\$57/866342001 failed.</p>			
<p>at com.vaadin.event.ListenerMethod.receiveEvent (ListenerMethod.java:533)</p>			
<p>at com.vaadin.event.EventRouter.fireEvent (EventRouter.java:200)</p>			
<p>at com.vaadin.event.EventRouter.fireEvent (EventRouter.java:163)</p>			
<p>at com.vaadin.server.AbstractClientConnector.fireEvent (AbstractClientConnector.java:1015)</p>			
<p>at com.vaadin.ui.Button.fireClick (Button.java:377)</p>			
<p>at com.vaadin.ui.Button\$1.click (Button.java:54)</p>			
<p>... 80 more</p>			
<p>Caused by: com.vaadin.event.ListenerMethod\$MethodException: Invocation of method valueChange in eu.etaxonomy.cdm.vaadin.event.ToOneRelatedEntityReloader failed.</p>			
<p>at com.vaadin.event.ListenerMethod.receiveEvent (ListenerMethod.java:533)</p>			
<p>at com.vaadin.event.EventRouter.fireEvent (EventRouter.java:200)</p>			
<p>at com.vaadin.event.EventRouter.fireEvent (EventRouter.java:163)</p>			
<p>at com.vaadin.server.AbstractClientConnector.fireEvent (AbstractClientConnector.java:1015)</p>			
<p>at com.vaadin.ui.AbstractField.fireValueChange (AbstractField.java:1161)</p>			
<p>at com.vaadin.ui.AbstractField.setPropertyDataSource (AbstractField.java:689)</p>			
<p>at com.vaadin.data.fieldgroup.FieldGroup.bind (FieldGroup.java:273)</p>			
<p>at com.vaadin.data.fieldgroup.BeanFieldGroup.bind (BeanFieldGroup.java:155)</p>			
<p>at com.vaadin.data.fieldgroup.FieldGroup.bindFields (FieldGroup.java:113)</p>			
<p>at com.vaadin.data.fieldgroup.FieldGroup.setItemDataSource (FieldGroup.java:103)</p>			
<p>at com.vaadin.data.fieldgroup.BeanFieldGroup.setItemDataSource (BeanFieldGroup.java:126)</p>			
<p>at com.vaadin.data.fieldgroup.BeanFieldGroup.setItemDataSource (BeanFieldGroup.java:119)</p>			
<p>at eu.etaxonomy.vaadin.mvp.AbstractPopupEditor.loadInEditor (AbstractPopupEditor.java:733)</p>			
<p>at eu.etaxonomy.cdm.vaadin.view.registration.RegistrationWorkingsetPresenter.onTypeDesignation</p>			
<p>sEditorActionEdit (RegistrationWorkingsetPresenter.java:580)</p>			
<p>at sun.reflect.NativeMethodAccessorImpl.invoke0 (Native Method)</p>			
<p>at sun.reflect.NativeMethodAccessorImpl.invoke (NativeMethodAccessorImpl.java:62)</p>			
<p>at sun.reflect.DelegatingMethodAccessorImpl.invoke (DelegatingMethodAccessorImpl.java:43)</p>			
<p>at java.lang.reflect.Method.invoke (Method.java:498)</p>			
<p>at org.vaadin.spring.events.internal.MethodListenerWrapper.publish (MethodListenerWrapper.java:78)</p>			
<p>at org.vaadin.spring.events.internal.ListenerCollection.publish (ListenerCollection.java:167)</p>			
<p>at org.vaadin.spring.events.internal.ScopedEventBus.publish (ScopedEventBus.java:116)</p>			
<p>at org.vaadin.spring.events.internal.ScopedEventBus.publish (ScopedEventBus.java:109)</p>			
<p>at eu.etaxonomy.cdm.vaadin.view.registration.RegistrationWorksetViewBean.lambda\$4 (Registration</p>			
<p>WorksetViewBean.java:373)</p>			
<p>at sun.reflect.GeneratedMethodAccessor288.invoke (Unknown Source)</p>			
<p>at sun.reflect.DelegatingMethodAccessorImpl.invoke (DelegatingMethodAccessorImpl.java:43)</p>			
<p>at java.lang.reflect.Method.invoke (Method.java:498)</p>			
<p>at com.vaadin.event.ListenerMethod.receiveEvent (ListenerMethod.java:510)</p>			
<p>... 85 more</p>			
<p>Caused by: com.vaadin.data.Buffered\$SourceException</p>			
<p>at com.vaadin.ui.AbstractField.setValue (AbstractField.java:546)</p>			
<p>at eu.etaxonomy.cdm.vaadin.component.common.TeamOrPersonField.setValue (TeamOrPersonField.java:379)</p>			
<p>at eu.etaxonomy.cdm.vaadin.component.common.TeamOrPersonField.setValue (TeamOrPersonField.java:</p>			

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1)
  at eu.etaxonomy.cdm.vaadin.event.ToOneRelatedEntityReloader.valueChange (ToOneRelatedEntityReloader.java:85)
  at sun.reflect.GeneratedMethodAccessor232.invoke (Unknown Source)
  at sun.reflect.DelegatingMethodAccessorImpl.invoke (DelegatingMethodAccessorImpl.java:43)
  at java.lang.reflect.Method.invoke (Method.java:498)
  at com.vaadin.event.ListenerMethod.receiveEvent (ListenerMethod.java:510)
  ... 111 more
Caused by: com.vaadin.data.Property$ReadOnlyException
  at com.vaadin.data.util.MethodProperty.setValue (MethodProperty.java:646)
  at com.vaadin.data.util.TransactionalPropertyWrapper.setValue (TransactionalPropertyWrapper.java:94)
  at com.vaadin.ui.AbstractField.setValue (AbstractField.java:538)
  ... 118 more
[phycobank] 22:32:24,801 ERROR [qtp759156157-151][co.fl.va.ad.er.ErrorWindow] - Error occurred 870
69e75-9803-46f1-b08f-fabef120a33f
com.vaadin.server.ServerRpcManager$RpcInvocationException: Unable to invoke method click in com.vaadin.shared.ui.button.ButtonServerRpc
  at com.vaadin.server.ServerRpcManager.applyInvocation (ServerRpcManager.java:162)
  at com.vaadin.server.ServerRpcManager.applyInvocation (ServerRpcManager.java:119)
  at com.vaadin.server.communication.ServerRpcHandler.handleInvocation (ServerRpcHandler.java:437)
)
  at com.vaadin.server.communication.ServerRpcHandler.handleInvocations (ServerRpcHandler.java:40)
2)
  at com.vaadin.server.communication.ServerRpcHandler.handleRpc (ServerRpcHandler.java:273)
  at com.vaadin.server.communication.UidlRequestHandler.synchronizedHandleRequest (UidlRequestHandler.java:90)
  at com.vaadin.server.SynchronizedRequestHandler.handleRequest (SynchronizedRequestHandler.java:41)
  at com.vaadin.server.VaadinService.handleRequest (VaadinService.java:1435)
  at com.vaadin.server.VaadinServlet.service (VaadinServlet.java:380)
  at javax.servlet.http.HttpServlet.service (HttpServlet.java:790)
  at org.eclipse.jetty.servlet.ServletHolder.handle (ServletHolder.java:841)
  at org.eclipse.jetty.servlet.ServletHandler$CachedChain.doFilter (ServletHandler.java:1634)
  at org.springframework.security.web.FilterChainProxy$VirtualFilterChain.doFilter (FilterChainProxy.java:316)
  at org.springframework.security.web.access.intercept.FilterSecurityInterceptor.invoke (FilterSecurityInterceptor.java:126)
  at org.springframework.security.web.access.intercept.FilterSecurityInterceptor.doFilter (FilterSecurityInterceptor.java:90)
  at org.springframework.security.web.FilterChainProxy$VirtualFilterChain.doFilter (FilterChainProxy.java:330)
  at org.springframework.security.web.access.ExceptionTranslationFilter.doFilter (ExceptionTranslationFilter.java:114)
  at org.springframework.security.web.FilterChainProxy$VirtualFilterChain.doFilter (FilterChainProxy.java:330)
  at org.springframework.security.web.session.SessionManagementFilter.doFilter (SessionManagementFilter.java:122)
  at org.springframework.security.web.FilterChainProxy$VirtualFilterChain.doFilter (FilterChainProxy.java:330)
  at org.springframework.security.web.authentication.AnonymousAuthenticationFilter.doFilter (AnonymousAuthenticationFilter.java:111)
  at org.springframework.security.web.FilterChainProxy$VirtualFilterChain.doFilter (FilterChainProxy.java:330)
  at org.springframework.security.web.servletapi.SecurityContextHolderAwareRequestFilter.doFilter (SecurityContextHolderAwareRequestFilter.java:169)
  at org.springframework.security.web.FilterChainProxy$VirtualFilterChain.doFilter (FilterChainProxy.java:330)
  at org.springframework.security.web.savedrequest.RequestCacheAwareFilter.doFilter (RequestCacheAwareFilter.java:48)
  at org.springframework.security.web.FilterChainProxy$VirtualFilterChain.doFilter (FilterChainProxy.java:330)
  at org.springframework.security.web.authentication.www.BasicAuthenticationFilter.doFilterInternal (BasicAuthenticationFilter.java:158)
  at org.springframework.web.filter.OncePerRequestFilter.doFilter (OncePerRequestFilter.java:107)
  at org.springframework.security.web.FilterChainProxy$VirtualFilterChain.doFilter (FilterChainProxy.java:330)

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at org.springframework.security.oauth2.provider.authentication.OAuth2AuthenticationProcessingFilter.doFilter (OAuth2AuthenticationProcessingFilter.java:176)
at org.springframework.security.web.FilterChainProxy$VirtualFilterChain.doFilter (FilterChainProxy.java:330)
at org.springframework.security.web.authentication.logout.LogoutFilter.doFilter (LogoutFilter.java:120)
at org.springframework.security.web.FilterChainProxy$VirtualFilterChain.doFilter (FilterChainProxy.java:330)
at org.springframework.security.web.header.HeaderWriterFilter.doFilterInternal (HeaderWriterFilter.java:64)
at org.springframework.web.filter.OncePerRequestFilter.doFilter (OncePerRequestFilter.java:107)
at org.springframework.security.web.FilterChainProxy$VirtualFilterChain.doFilter (FilterChainProxy.java:330)
at org.springframework.security.web.context.SecurityContextPersistenceFilter.doFilter (SecurityContextPersistenceFilter.java:91)
at org.springframework.security.web.FilterChainProxy$VirtualFilterChain.doFilter (FilterChainProxy.java:330)
at org.springframework.security.web.context.request.async.WebAsyncManagerIntegrationFilter.doFilterInternal (WebAsyncManagerIntegrationFilter.java:53)
at org.springframework.web.filter.OncePerRequestFilter.doFilter (OncePerRequestFilter.java:107)
at org.springframework.security.web.FilterChainProxy$VirtualFilterChain.doFilter (FilterChainProxy.java:330)
at org.springframework.security.web.FilterChainProxy.doFilterInternal (FilterChainProxy.java:213)
at org.springframework.security.web.FilterChainProxy.doFilter (FilterChainProxy.java:176)
at org.springframework.web.filter.DelegatingFilterProxy.invokeDelegate (DelegatingFilterProxy.java:346)
at org.springframework.web.filter.DelegatingFilterProxy.doFilter (DelegatingFilterProxy.java:262)
at org.eclipse.jetty.servlet.ServletHandler$CachedChain.doFilter (ServletHandler.java:1621)
at org.springframework.web.filter.CharacterEncodingFilter.doFilterInternal (CharacterEncodingFilter.java:121)
at org.springframework.web.filter.OncePerRequestFilter.doFilter (OncePerRequestFilter.java:107)
at org.eclipse.jetty.servlet.ServletHandler$CachedChain.doFilter (ServletHandler.java:1613)
at org.eclipse.jetty.servlet.ServletHandler.doHandle (ServletHandler.java:541)
at org.eclipse.jetty.server.handler.ScopedHandler.handle (ScopedHandler.java:143)
at org.eclipse.jetty.security.SecurityHandler.handle (SecurityHandler.java:548)
at org.eclipse.jetty.server.handler.HandlerWrapper.handle (HandlerWrapper.java:132)
at org.eclipse.jetty.server.handler.ScopedHandler.nextHandle (ScopedHandler.java:190)
at org.eclipse.jetty.server.session.SessionHandler.doHandle (SessionHandler.java:1584)
at org.eclipse.jetty.server.handler.ScopedHandler.nextHandle (ScopedHandler.java:188)
at org.eclipse.jetty.server.handler.ContextHandler.doHandle (ContextHandler.java:1228)
at org.eclipse.jetty.server.handler.ScopedHandler.nextScope (ScopedHandler.java:168)
at org.eclipse.jetty.servlet.ServletHandler.doScope (ServletHandler.java:481)
at org.eclipse.jetty.server.session.SessionHandler.doScope (SessionHandler.java:1553)
at org.eclipse.jetty.server.handler.ScopedHandler.nextScope (ScopedHandler.java:166)
at org.eclipse.jetty.server.handler.ContextHandler.doScope (ContextHandler.java:1130)
at org.eclipse.jetty.server.handler.ScopedHandler.handle (ScopedHandler.java:141)
at org.eclipse.jetty.server.handler.HandlerWrapper.handle (HandlerWrapper.java:132)
at org.eclipse.jetty.server.Server.handle (Server.java:564)
at org.eclipse.jetty.server.HttpChannel.handle (HttpChannel.java:320)
at org.eclipse.jetty.server.HttpConnection.onFillable (HttpConnection.java:251)
at org.eclipse.jetty.io.AbstractConnection$ReadCallback.succeeded (AbstractConnection.java:279)
at org.eclipse.jetty.io.FillInterest.fillable (FillInterest.java:112)
at org.eclipse.jetty.io.ChannelEndPoint$2.run (ChannelEndPoint.java:124)
at org.eclipse.jetty.util.thread.Invocable.invokePreferred (Invocable.java:122)
at org.eclipse.jetty.util.thread.strategy.ExecutingExecutionStrategy.invoke (ExecutingExecutionStrategy.java:58)
at org.eclipse.jetty.util.thread.strategy.ExecuteProduceConsume.produceConsume (ExecuteProduceConsume.java:201)
at org.eclipse.jetty.util.thread.strategy.ExecuteProduceConsume.run (ExecuteProduceConsume.java:133)
at org.eclipse.jetty.util.thread.QueuedThreadPool.runJob (QueuedThreadPool.java:672)
at org.eclipse.jetty.util.thread.QueuedThreadPool$2.run (QueuedThreadPool.java:590)
at java.lang.Thread.run (Thread.java:748)
Caused by: java.lang.reflect.InvocationTargetException
at sun.reflect.GeneratedMethodAccessor287.invoke (Unknown Source)
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at sun.reflect.DelegatingMethodAccessorImpl.invoke (DelegatingMethodAccessorImpl.java:43)
at java.lang.reflect.Method.invoke (Method.java:498)
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sEditorActionEdit (RegistrationWorkingsetPresenter.java:580)
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at org.vaadin.spring.events.internal.ScopedEventBus.publish (ScopedEventBus.java:109)
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379)
at eu.etaxonomy.cdm.vaadin.component.common.TeamOrPersonField.setValue (TeamOrPersonField.java:
1)
at eu.etaxonomy.cdm.vaadin.event.ToOneRelatedEntityReloader.valueChange (ToOneRelatedEntityRelo
ader.java:85)
at sun.reflect.GeneratedMethodAccessor232.invoke (Unknown Source)
at sun.reflect.DelegatingMethodAccessorImpl.invoke (DelegatingMethodAccessorImpl.java:43)
at java.lang.reflect.Method.invoke (Method.java:498)
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... 111 more
Caused by: com.vaadin.data.Property$ReadOnlyException
at com.vaadin.data.util.MethodProperty.setValue (MethodProperty.java:646)
at com.vaadin.data.util.TransactionalPropertyWrapper.setValue (TransactionalPropertyWrapper.jav
a:94)
at com.vaadin.ui.AbstractField.setValue (AbstractField.java:538)
... 118 more

```

This happens because the ToOneRelatedEntityReloader is trying to set the cached object for the TeamOrPerson entity as value for

the TeamOrPersonField while the PropertyDatasource contained in this field is readOnly:

```
if(EntitySupport.class.isAssignableFrom(toOneRelatedEntityField.getClass())){
    ((EntitySupport)toOneRelatedEntityField).replaceEntityValue(cachedEntity);
} else {
    toOneRelatedEntityField.removeValueChangeListener(this);
    toOneRelatedEntityField.setValue(null);
// reset to trick equals check in vaadin <==> ReadOnlyException !!!!
    toOneRelatedEntityField.setValue(cachedEntity);
    toOneRelatedEntityField.addValueChangeListener(this);
}
```

The readOnly state of the datasource has been set in TeamOrPersonField:

```
protected void setInternalValue(TeamOrPersonBase<?> newValue) {
    ...
    adaptToUserPermissions(newValue);
    updateToolBarButtonStates();
}
```

so subsequent attempts to change the value will fail as long as the readOnly state of the datasource is not temporarily set to false when setting the cachedValue to the field.

Related issues:

Related to EDIT - task #7587: ToOneRelatedEntityReloader to listen and operat...	New
Related to EDIT - bug #7366: TeamOrPersonField readonly if users lacks edit p...	Closed

Associated revisions

Revision bbdd609f - 07/26/2018 08:07 AM - Andreas Kohlbecker

fix #7586 temporarily setting the datasource readOnly state to false when replacing the loaded with the cached entity

Revision e1aaf938 - 07/26/2018 11:45 AM - Andreas Kohlbecker

ref #7586 not setting datasource to readOnly when user lacks permissions

History

#1 - 07/26/2018 08:07 AM - Andreas Kohlbecker

- Status changed from New to Resolved

- % Done changed from 0 to 50

Applied in changeset [cdm-vaadin|bbdd609fd9f9a504f0225c98ce01c8f4b19931f9](https://git.vaadin.com/cdm-vaadin/-/commit/bbdd609fd9f9a504f0225c98ce01c8f4b19931f9).

#2 - 07/26/2018 08:21 AM - Andreas Kohlbecker

- Related to task #7587: ToOneRelatedEntityReloader to listen and operate on PropertyDatasources directly? added

#3 - 07/26/2018 11:37 AM - Andreas Kohlbecker

- Related to bug #7366: TeamOrPersonField readonly if users lacks edit permissions added

#4 - 07/26/2018 11:41 AM - Andreas Kohlbecker

for solving [#7366](#) the datasource is set in TeamOrPersonField.adaptToUserPermissions() to readOnly if the the lacks editing permissions:

```
private void adaptToUserPermissions(TeamOrPersonBase teamOrPerson) {
    UserHelper userHelper = UserHelperAccess.userHelper();
    boolean canEdit = teamOrPerson == null || !teamOrPerson.isPersisted() || userHelper.userHasPermission(
teamOrPerson, CRUD.UPDATE);
    if(!canEdit){
        getPropertyDataSource().setReadOnly(true);
// <==> causes PROBLEMS with ToOneRelatedEntityReloader
        setReadOnlyComponents(true);
    }
}
```

This is causing the problems and can for sure be removed without risking to compromise any data.

#5 - 07/26/2018 11:47 AM - Andreas Kohlbecker

This should be solved now!

#6 - 08/17/2018 12:12 PM - Andreas Kohlbecker

- *Status changed from Resolved to Closed*

- *% Done changed from 50 to 100*

did not occur again on the test-server since over 20days, so this is for sure solved