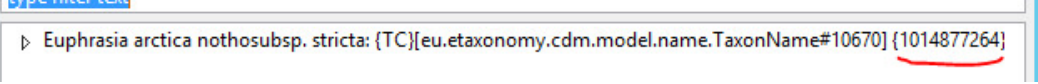


EDIT - bug #10252

Session handling in name bulk editor not correct

02/28/2023 11:57 AM - Andreas Müller

Status:	New	Start date:	
Priority:	Highest	Due date:	
Assignee:	Katja Luther	% Done:	0%
Category:	taxeditor	Estimated time:	0:00 hour
Target version:	Release 5.45	Found in Version:	
Severity:	critical		
Description			
What I did:			
I updated the name <code>×Euphrasia arctica × stricta</code> . In an intermediate state it became <code>×Euphrasia arctica ×stricta</code> (so a nothosubsp. instead of a hybrid formula). This state was loaded (or created?) in the name bulk editor. Later I updated the name via the freetext taxon editor so it became the correct hybrid formula.			
Now I wanted to reload the name bulk editor. I first tried with "Search" again but the name was still loaded and shown as "Euphrasia arctica nothosubsp. stricta". Inspecting the active session via the active session view did show that the name had no hybrid relationships, but via referencing objects view it did show hybrid relationships (so the session still seems to be the old one while the referencing objects view shows the up-to-date database state).			
Then I closed the name bulk editor and reopened it. This resulted again in the old name state <code>Euphrasia arctica nothosubsp. stricta</code> . To see if it is not a session issue but a general name bulk editor issue I opened a complete new TaxEditor and searched again for the name in the bulk editor. In this case the name was shown correctly and also the session view did show the 2 hybrid relationships.			
So it seems that the name bulk editor does not fully throw away data once closed (or re-searched) but somehow keeps data in cache.			
This can also be checked by using the session view and checking the java id of the name:			
			
Here 1014877264. After closing the name editor and reopening it and do the same search it shows the same number (but shouldn't).			
While the taxon editor shows another number:			
<pre>identifiers: [java.util.ArrayList] : 0 {1943965748} links: [PersistentCollection] {1124769195} lsid: [NULL] markers: [java.util.HashSet] : 0 {1998122899} ▶ name: ×Euphrasia arctica × Euphrasia stricta: {TC}[eu.etaxonomy.cdm.model.name.TaxonName#10670] {1730986040} protectedTitleCache: [java.lang.Boolean] : false {2141431917}</pre>			
and this number changes each time the taxon editor is reloaded which is the expected behavior.			
Related issues:			
Related to EDIT - bug #7699: NPE in CdmTransientEntityCacher.getCacheElement()		In Progress	

History

#1 - 02/28/2023 12:20 PM - Andreas Müller

Interesting is that it does show the correct java object when searching via uuid, but only when opening a new name bulk editor, not if the name was searched via titleCache search before in the same name bulk editor.

But then searching for the titleCache again in this new bulk editor which was first searched via uuid and did use a new java id does show the incorrect old record again BUT with the same java id as for the uuid search. So it does not seem to be a pure cache issue where an old java object is used for a new search. Maybe the old state is cloned or it is recomputed in a wrong way.

Also interesting: it also shows the incorrect hybrid flags in the details view (and in session view). It should show the hybrid formula flag but it shows the trinom formula flag instead.

#2 - 02/28/2023 12:21 PM - Andreas Müller

I observed a similar incorrect session handling in other situations already. However, I never inspected it so deeply.

#3 - 02/28/2023 12:36 PM - Andreas Müller

It became even more strange. After closing all open editors (1 taxon editor and 1 agent bulk editor) and reopening the name bulk editor and searching in it I got:

```
last remote service : https://api.cybertaxonomy.org:443/euromed/remoting/name.service
last remote method : getDbSchemaVersion
last remote request client time : 2023-02-28T12:31:47.437
last remote request response header time : Tue, 28 Feb 2023 11:31:47 GMT
client error time : 2023-02-28T12:31:47.772
login : admin
editor version : 5.35.0
server : api.cybertaxonomy.org (cybertaxonomy.org) / euromed
schema version : 5.35.1.0.20221218
os : Windows Server 2012 R2 6.3 amd64
java : 1.8.0_131
org.springframework.remoting.RemoteAccessException: Could not access HTTP invoker remote service at [https://api.cybertaxonomy.org:443/euromed/remoting/name.service]; nested exception is java.lang.RuntimeException: No cache available for cacheId = eu.etaxonomy.taxeditor.bulkeditor.input.AgentEditorInput1563987773. See #7699.
Available caches are: [Ljava.lang.String;@3f423bdf
CacheManager status is: STATUS_ALIVE
Cache status is:STATUS_SHUTDOWN
    at org.springframework.remoting.httpinvoker.HttpInvokerClientInterceptor.convertHttpInvokerAccessException
(HttpInvokerClientInterceptor.java:226)
    at org.springframework.remoting.httpinvoker.HttpInvokerClientInterceptor.invoke(HttpInvokerClientIntercept
or.java:153)
    at org.springframework.aop.framework.ReflectiveMethodInvocation.proceed(ReflectiveMethodInvocation.java:17
9)
    at org.springframework.aop.framework.JdkDynamicAopProxy.invoke(JdkDynamicAopProxy.java:213)
    at com.sun.proxy.$Proxy119.findByFullTitle(Unknown Source)
    at eu.etaxonomy.taxeditor.store.SearchManager.findNames(SearchManager.java:63)
    at eu.etaxonomy.taxeditor.bulkeditor.input.NameEditorInput.listEntities(NameEditorInput.java:146)
    at eu.etaxonomy.taxeditor.bulkeditor.input.AbstractBulkEditorInput.lambda$0(AbstractBulkEditorInput.java:3
04)
    at org.eclipse.core.runtime.jobs.Job$2.run(Job.java:186)
    at org.eclipse.core.internal.jobs.Worker.run(Worker.java:55)
Caused by: java.lang.RuntimeException: No cache available for cacheId = eu.etaxonomy.taxeditor.bulkeditor.inpu
t.AgentEditorInput1563987773. See #7699.
Available caches are: [Ljava.lang.String;@3f423bdf
CacheManager status is: STATUS_ALIVE
Cache status is:STATUS_SHUTDOWN
    at eu.etaxonomy.cdm.cache.CdmTransientEntityCacher.getCache(CdmTransientEntityCacher.java:153)
    at eu.etaxonomy.cdm.cache.CdmTransientEntityCacher.getCacheElement(CdmTransientEntityCacher.java:282)
    at eu.etaxonomy.cdm.cache.CdmTransientEntityCacher.getFromCache(CdmTransientEntityCacher.java:286)
    at eu.etaxonomy.cdm.cache.CdmTransientEntityCacher.putToCache(CdmTransientEntityCacher.java:250)
    at eu.etaxonomy.cdm.cache.CacheLoader.putToCache(CacheLoader.java:295)
    at eu.etaxonomy.cdm.cache.CacheLoader.loadRecursive(CacheLoader.java:322)
    at eu.etaxonomy.cdm.cache.CacheLoader.loadRecursiveAny(CacheLoader.java:84)
    at eu.etaxonomy.cdm.cache.CacheLoader.loadRecursiveCollection(CacheLoader.java:191)
    at eu.etaxonomy.cdm.cache.CacheLoader.load(CacheLoader.java:158)
    at eu.etaxonomy.cdm.cache.CacheLoader.load(CacheLoader.java:67)
    at eu.etaxonomy.cdm.cache.CdmTransientEntityCacher.load(CdmTransientEntityCacher.java:181)
    at eu.etaxonomy.taxeditor.session.CdmEntitySession.load(CdmEntitySession.java:66)
    at eu.etaxonomy.taxeditor.session.CdmEntitySessionManager.load(CdmEntitySessionManager.java:119)
    at org.springframework.remoting.httpinvoker.CachingHttpInvokerProxyFactoryBean.handleGeneralRequest(Cachin
gHttpInvokerProxyFactoryBean.java:114)
    at org.springframework.remoting.httpinvoker.CachingHttpInvokerProxyFactoryBean.executeRequest(CachingHttpI
nvokerProxyFactoryBean.java:88)
    at org.springframework.remoting.httpinvoker.HttpInvokerClientInterceptor.invoke(HttpInvokerClientIntercept
or.java:150)
    ... 8 more
```

So it tried to use the agent editor cache somehow instead of the new name bulk editor. This is probably related to [#7699](#)

#4 - 02/28/2023 12:37 PM - Andreas Müller

- Related to bug [#7699](#): NPE in `CdmTransientEntityCacher.getCacheElement()` added

#5 - 02/28/2023 01:12 PM - Andreas Müller

Note: also here the first bulk editor (agent bulk editor) was open for multiple days already

Files

clipboard-202302281153-lhnuw.png	3.72 KB	02/28/2023	Andreas Müller
clipboard-202302281154-atwui.png	3.99 KB	02/28/2023	Andreas Müller
clipboard-202302281156-ei2ko.png	10.8 KB	02/28/2023	Andreas Müller