

EDIT - bug #9606

NullPointerException (NPEs) in OccurrenceServiceImpl

05/04/2021 01:20 PM - Andreas Kohlbecker

Status:	Closed	Start date:	
Priority:	Highest	Due date:	
Assignee:	Andreas Kohlbecker	% Done:	100%
Category:	cdmlib	Estimated time:	0:00 hour
Target version:	Release 5.23	Found in Version:	
Severity:	normal		
Description			
see taxon, taxonBase and name in these methods			
<ul style="list-style-type: none">• OccurrenceServiceImpl.countByTitle(IdentifiableEntityServiceConfigurator config)• OccurrenceServiceImpl.findByTitleUuidAndTitleCache(FindOccurrencesConfigurator config)• OccurrenceServiceImpl.findByTitleDerivedUnitDTO(FindOccurrencesConfigurator config)			
Maybe more methods are affected			

Associated revisions

Revision d9a9f2b1 - 05/04/2021 03:55 PM - Andreas Müller

ref #9606 fix potential NPE

Revision 97fc0f95 - 05/04/2021 04:09 PM - Andreas Kohlbecker

ref #9606 fix another potential NPE

Revision 5f196d28 - 05/04/2021 10:42 PM - Andreas Müller

ref #9606 fixing also the 3rd potential NPE

History

#1 - 05/04/2021 01:55 PM - Andreas Müller

- Category changed from *cdm* to *cdmlib*
- Status changed from *New* to *Feedback*
- Assignee changed from *Andreas Müller* to *Andreas Kohlbecker*
- Priority changed from *New* to *Highest*
- Target version changed from *Unassigned CDM tickets* to *Release 5.25*

Can you give a bit more inside. Any stacktrace available for the NPE?
What exactly is about taxon, taxonbase and name in this methods?

#2 - 05/04/2021 01:59 PM - Andreas Kohlbecker

in these lines of countByTitle() it is obvious:

```
TaxonBase<?> taxonBase = taxonService.load(occurrenceConfig.getAssociatedTaxonUuid());
if(taxonBase instanceof Taxon.class) {
    taxon = HibernateProxyHelper.deproxy(taxonBase, Taxon.class);
}
```

in the other methods there are things like

```
if(config.getAssociatedTaxonNameUuid() != null) {
    taxonName = nameService.load(config.getAssociatedTaxonNameUuid());
}
occurrences.addAll(dao.findOccurrencesUuidAndTitleCache(config.getClazz(),
    config.getTitleSearchString(), config.getSignificantIdentifier(),
    config.getSpecimenType(), taxon, taxonName, config.getMatchMode(), null, null,
    config.getOrderHints()));
```

taxonName may be null but is passed to another method, this needs to be checked

#3 - 05/04/2021 01:59 PM - Andreas Kohlbecker

- Assignee changed from Andreas Kohlbecker to Andreas Müller

#4 - 05/04/2021 03:52 PM - Andreas Müller

- Assignee changed from Andreas Müller to Andreas Kohlbecker

But it is not forbidden to pass a null value, and if you follow the method that is called, there you have null values handled correctly:

```
createFindOccurrenceCriteria(...)  
...  
if(associatedTaxon!=null){  
...  
else if(associatedTaxonName!=null){  
...  
...}
```

So I really do not understand what exactly the problem.

Did you get an NPE (if yes, is there a stacktrace?) or a HQL Query not working (if yes, which one) or something else (if yes what)?

#5 - 05/04/2021 03:55 PM - Andreas Müller

Andreas Kohlbecker wrote:

in these lines of countByTitle() it is obvious:

```
TaxonBase<?> taxonBase = taxonService.load(occurrenceConfig.getAssociatedTaxonUuid());  
if(taxonBase instanceof(Taxon.class)) {  
    taxon = HibernateProxyHelper.deproxy(taxonBase, Taxon.class);  
}
```

this one I fixed

#6 - 05/04/2021 03:58 PM - Andreas Kohlbecker

as said there definitely an NPE in this code line from above

```
taxonBase instanceof(Taxon.class) {
```

The others should be checked as it is suspect, I did not dig deeper as I had no time for it. You checked it now - good, so we can forget about this part and concentrate on the obvious NPE - seems to be fixed now !

#7 - 05/04/2021 03:58 PM - Andreas Kohlbecker

- Status changed from Feedback to In Progress

- Assignee changed from Andreas Kohlbecker to Andreas Müller

#8 - 05/04/2021 04:00 PM - Andreas Müller

- Status changed from In Progress to Resolved

- Assignee changed from Andreas Müller to Andreas Kohlbecker

- % Done changed from 0 to 50

please review

#9 - 05/04/2021 10:43 PM - Andreas Müller

Ahh, correct, there were also the other methods. I corrected the 3rd one now so everything should be correct now. Can we close the ticket?

#10 - 05/11/2021 05:40 PM - Andreas Kohlbecker

- Status changed from Resolved to Closed

- % Done changed from 50 to 100

yes

#11 - 05/17/2021 09:52 AM - Andreas Müller

- Target version changed from Release 5.25 to Release 5.23