

Kepler - Bug #4538

problems with KARs that contain tags from default ontologies

11/09/2009 11:52 AM - Derik Barseghian

Status:	Resolved	Start date:	11/09/2009
Priority:	Normal	Due date:	
Assignee:	Sean Riddle	% Done:	0%
Category:	tagging	Estimated time:	0.00 hour
Target version:	wrp-modules-2.0.0	Spent time:	0.00 hour
Bugzilla-Id:	4538		

Description

If you Save KAR a workflow that you've tagged with a tag that comes from an existing ontology (e.g. one of the default choices in the tagging dropdown menu), you get the following error. The KAR seems to come out fine, and contains the tag.

A similar error occurs when you export a run from the WRM, and in this case these tags don't get serialized.

org.semanticweb.owl.model.OWLRuntimeException: Not an OWLClass. This method should only be called if the isAnonymous method returns false!
at uk.ac.manchester.cs.owl.OWLAnonymousDescriptionImpl.asOWLClass(OWLAnonymousDescriptionImpl.java:57)
at org.kepler.sms.NamedOntClass.getNamedSuperClasses(NamedOntClass.java:335)
at org.kepler.objectmanager.cache.CacheSearch.insertSemTypes(CacheSearch.java:354)
at org.kepler.objectmanager.cache.CacheSearch.add(CacheSearch.java:323)
at org.kepler.objectmanager.cache.CacheSearch.add(CacheSearch.java:254)
at org.kepler.objectmanager.library.LibraryManager.addKAR(LibraryManager.java:825)

History

#1 - 12/14/2009 03:58 PM - Derik Barseghian

The problem in comment [#1](#) was fixed some time ago.

Things seem to be working fine, but I notice the way the tags are serialized in a workflow vs the workflowRun are different.

E.g.

inside WorkflowRun:

```
<property name="semanticType" class="org.kepler.sms.SemanticType"  
value="urn:lsid:lsid.ecoinformatics.org:onto:8:1#AboveGroundBiomassMeasurement">
```

inside workflow:

```
<property name="semanticType" class="org.kepler.sms.SemanticType"  
value="urn:lsid:lsid.ecoinformatics.org:onto:8:1#AboveGroundBiomassMeasurement#AboveGroundBiomassMe...">
```

Which one is right?

#2 - 01/05/2010 10:09 AM - ben leinfelder

this looks wrong:

```
<property name="semanticType" class="org.kepler.sms.SemanticType"  
value="urn:lsid:lsid.ecoinformatics.org:onto:8:1#AboveGroundBiomassMeasurement#AboveGroundBiomassMe...">
```

It appears that the class is being double appended to the URI of the ontology (before the first #).

There should only be one # - used to delimit the ontology from the class name

#3 - 01/05/2010 11:31 AM - Sean Riddle

(In reply to comment [#2](#))

this looks wrong:

```
<property name="semanticType" class="org.kepler.sms.SemanticType"  
value="urn:lsid:lsid.ecoinformatics.org:onto:8:1#AboveGroundBiomassMeasurement#AboveGroundBiomassMe...">
```

It appears that the class is being double appended to the URI of the ontology (before the first #).

There should only be one # - used to delimit the ontology from the class name

That's a result of the way we're handling 'orphaned' concepts. Even if the ontology vanished completely, we still wanted to be able to search on its label, rather than just on the anchor/concept ID. Even though the concept ID is usually the same or closely related to the label, there is no guarantee that this will be true in all cases. I had tags added through the tagging interface have the following value:

```
ontology_uri#concept_id#concept_label
```

As long as no one tries to take the string representation of the semantic type and treat it directly as a URI, it should be fine. But please post replies to here if errors of that nature are found.

#4 - 01/25/2010 11:14 AM - Derik Barseghian

Things had changed and the concept_label was no longer in the tags in the workflowRun. Sean added the concept_label back in r22469.

#5 - 01/27/2010 04:21 PM - Sean Riddle

Seems like this got fixed a while back. Closing unless there are any objections.

#6 - 03/27/2013 02:27 PM - Redmine Admin

Original Bugzilla ID was 4538