

## Metacat - Bug #3177

### Advanced Search needs some attention

03/17/2008 04:39 PM - Callie Bowdish

|  |             |                        |                   |
|--|-------------|------------------------|-------------------|
| <b>Status:</b>   | Closed      | <b>Start date:</b>     | 03/17/2008        |
| <b>Priority:</b>   | Normal      | <b>Due date:</b>       |                   |
| <b>Assignee:</b>   | Jing Tao    | <b>% Done:</b>         | 0%                |
| <b>Category:</b>   | metacat     | <b>Estimated time:</b> | 0.00 hour         |
| <b>Target version:</b>   | Unspecified | <b>Spent time:</b>     | 0.00 hour         |
| <b>Bugzilla-Id:</b>  | 3177        |                        |                   |
| <b>Description</b>   |             |                        |                   |
| <p>Currently the KNB has a link to the advanced search. The advanced search is too slow and does not have very many advanced search options. I do not think it is working with the improvements that have been made for query caching.</p> <p><a href="http://knb.ecoinformatics.org/advancedsearch.jsp">http://knb.ecoinformatics.org/advancedsearch.jsp</a></p> <p>the LTER skins advanced search on the KNB metacat has more options but the search is very slow<br/><a href="http://knb.ecoinformatics.org/knb/style/skins/lter/index_advancedsearch.jsp">http://knb.ecoinformatics.org/knb/style/skins/lter/index_advancedsearch.jsp</a></p> <p>However the advanced search on the LTER metacat (not knb) appears to be working fine. Maybe their solution will help with updating our advanced search. I'm not sure why the <a href="http://metacat.lternet.edu">http://metacat.lternet.edu</a> advanced search is working well and the <a href="http://knb.ecoinformatics.org">http://knb.ecoinformatics.org</a> metacat is so slow.</p> <p><a href="http://metacat.lternet.edu/knb/style/skins/lter/index_advancedsearch.jsp">http://metacat.lternet.edu/knb/style/skins/lter/index_advancedsearch.jsp</a></p> |             |                        |                   |
| <b>Related issues:</b>   |             |                        |                   |
| Blocks Metacat - Bug #2310: Advanced search functionality has to be integrate...   |             | <b>Resolved</b>        | <b>12/08/2005</b> |

### History

#### #1 - 03/17/2008 05:32 PM - Duane Costa

Jing, I think I have an explanation for why advanced search in the LTER skin would be faster at metacat.lternet.edu than at knb.ecoinformatics.org. The key is the indexPaths property in the build.properties file. I have fine-tuned the indexPaths setting at LTER such that all EML fields searched by the advanced search code are included in the indexPaths list. When this is not the case, the advanced search does perform extremely slow (as you are seeing at knb).

Below is the setting that we are using at LTER. If you cross-reference the values used in metacat.lternet.edu with those at knb.ecoinformatics.org, you will probably find a number of fields that were added to the LTER setting (and perhaps some fields that are used in KNB but not at LTER).

```
indexPaths=@packageId,@system,abstract/para,abstract/section/para,alternativeTimeScale/timeScaleName,associatedParty/individualName/givenName,associatedParty/individualName/surName,associatedParty/organizationName,creator/individualName/givenName,creator/individualName/surName,creator/organizationName,dataset/abstract/para,dataset/abstract/section/para,dataset/access/allow/principal,dataset/creator/individualName/givenName,dataset/creator/individualName/surName,dataset/dataTable/physical/distribution/online/url,dataset/spatialRaster/physical/distribution/online/url,dataset/title,eastbc,eastBoundingCoordinate,EcogridRegEntry/description,EcogridRegEntry/endPoint,EcogridRegEntry/serviceName,entityName,geographicCoverage/boundingCoordinates/eastBoundingCoordinate,geographicCoverage/boundingCoordinates/northBoundingCoordinate,geographicCoverage/boundingCoordinates/southBoundingCoordinate,geographicCoverage/boundingCoordinates/westBoundingCoordinate,geographicDescription,givenName,keyword,northbc,organizationName,originator/individualName/givenName,originator/individualName/surName,originator/organizationName,southbc,surName,taxonRankValue,westbc
```

#### #2 - 03/27/2013 02:22 PM - Redmine Admin

Original Bugzilla ID was 3177

#### #3 - 04/10/2013 09:18 AM - ben leinfelder

- Status changed from New to Closed

We basically know that searching on non-indexed paths takes a very long time. This will ultimately be replaced by the SOLR-implementation and we will just have to be conscious of index paths being correct for any pathquery that is submitted via default skins in the interim.