

Metacat - Task #5820

Feature # 5810 (Closed): Implement SOLR-based search

Incorporate DataONE indexing

01/24/2013 01:55 PM - Brendan Hahn

Status:	Resolved	Start date:	01/24/2013
Priority:	Normal	Due date:	
Assignee:	Jing Tao	% Done:	0%
Category:	metacat	Estimated time:	0.00 hour
Target version:	2.1.0	Spent time:	0.00 hour
Description			
Have Lucene/SOLR indexing follow DataONE schema, ideally incorporating D1 code directly.			

History

#1 - 02/07/2013 05:41 PM - Brendan Hahn

The biggest obstacle to integrating D1 code directly is decoupling from Spring. Thankfully a lot of it is just name-value stuff, so at least the basic mapping of metadata format elements to SOLR structures can be extracted from configuration information (either build or run time).

After some investigation, it wouldn't be **that** hard to get the full stack working with but... it kind of amounts to just building a scaffold that imitates Spring. Currently aiming to pull out just the SolrField information from the various metadata contexts, at run time via XPath if it's not too ugly, into a document definition of a sort. This should permit using at least the various Field and Converter classes while keeping in sync with the CN indexing.

#2 - 02/25/2013 08:14 AM - ben leinfelder

Ideally we can compromise between reusing existing DataONE indexing configuration and making it easy for Metacat administrators to edit and/or augment Metacat indexing configuration.

Spring configuration requires admins to have a "spring mindset" which might be difficult for some of our usual audience. But it would be great to reuse the properties and supporting bean classes from DataONE indexing so that there's a solid starting point.

I want to point out that while we do want to support all the DataONE indexing features, we also have to opportunity to make those features better and more easily used. After all, we are developing "Metacat indexing" and should design it with care.

#3 - 03/27/2013 02:31 PM - Redmine Admin

Original Bugzilla ID was 5820

#4 - 04/11/2013 05:10 PM - ben leinfelder

- Assignee changed from Brendan Hahn to Jing Tao

We decided to use - wholesale - the existing DataONE index configuration component even though it uses Spring. It will be deployed as a stand-alone web application listening to events in Metacat. That way we avoid having Spring within the Metacat code base.

#5 - 04/18/2013 05:00 PM - ben leinfelder

- Parent task set to #5810

#6 - 05/24/2013 03:58 PM - Jing Tao

- Status changed from New to Resolved

Create metacat-index web apps to avoid the spring in the metacat. We also create the metacat-common to share code between metacat and metacat-index.