

## Metacat - Task #5822

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

### Enforce access control for SOLR-based search implementation

01/24/2013 03:36 PM - Brendan Hahn

<b>Status:</b>	Resolved	<b>Start date:</b>	04/11/2013
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Jing Tao	<b>% Done:</b>	100%
<b>Category:</b>	metacat	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	2.1.0	<b>Spent time:</b>	0.00 hour
<b>Description</b>			
Ensure that search results are filtered for clients access permissions.			
<b>Subtasks:</b>			
Task # 5904: Design mechanism to enforce access policy			<b>Resolved</b>
Task # 5905: Implement access control filter			<b>Resolved</b>

### History

#### #1 - 02/21/2013 04:05 PM - Brendan Hahn

Identity token to be added to MetacatIndex query operation and used to filter at the solr interface.

What about non-system-metadata objects?

Enforcing access control may constrain deployment options, as "Solr does not concern itself with security either at the document level or the communication level". The standard solr setup would allow unfiltered access to the index.

#### #2 - 02/25/2013 08:27 AM - ben leinfelder

My gut feeling is that simply augmenting the user-provided solr query with additional AND-clauses to constrain to their access level is too fragile. There seems to be way to augemnt the SolrRequestContext using a SolrDispatchFilter (<http://wiki.apache.org/solr/SolrSecurity>) and this sounds attractive.

It does sound like our SOLR implementation will have to be deployed within the Metacat context in order for us to guarantee that access policies are adhered to.

Can you outline a couple of options in this bug?

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

Original Bugzilla ID was 5822

#### #4 - 04/11/2013 05:12 PM - ben leinfelder

- Assignee changed from Brendan Hahn to Jing Tao

- Subject changed from Access control for SOLR/Lucene search interface to Enforce access control for SOLR-based search implementation

#### #5 - 04/18/2013 05:01 PM - ben leinfelder

- Parent task set to #5810

#### #6 - 05/24/2013 04:03 PM - Jing Tao

- Status changed from New to Resolved