Metacat - Bug #927

metacat needs better attribute handling

12/18/2002 10:43 AM - Chad Berkley

Status:	Resolved		**Start date:**	12/18/2002
Priority:	Immediate		**Due date:**	
Assignee:	Jing Tao		**% Done:**	0%
Category:	metacat		**Estimated time:**	0.00 hour
Target version:	1.3		**Spent time:**	0.00 hour
Bugzilla-Id:	927			

Description
Metacat needs to be able to explicitly search by and return attributes in an xml document. For instance, the query /x/y/@z=a where z is an attribute should be a valid query term. /x/y/@z should also be a valid returnfield. I think that we can currently query by attributes in some way, although I can't remember how :) and the documentation doesn't say how, but in any case, I think that we need to enable the xpath type expression for it. Metacat does not currently allow attributes to be returned via returnfields.

History

#1 - 01/07/2003 05:32 PM - Jing Tao

Now Metacat can support a path query whcih has attributes. The format is:
<queryterm searchmode="contains" casesensitive="false">
<value>denyFirst</value>
<pathexpr>acl/@order</pathexpr>
</queryterm>

Order is a attribute and its value should be "denyFirst". You can specify more than one queryterm whcih has attribute in the squery.

Now Metacat can also support return fields have attributes. The format is:
<returnfield>keywordSet/keyword/@keywordType</returnfield>
<returnfield>originator/phone/@phonetype</returnfield>

keywordType and phonetype are attributes.

In QuerySepcification class, attribute sql query was created and in DBQuery class, this query will be executed.
For search attributes, the sql query look like:

SELECT docid,docname,doctype,date_created, date_updated, rev FROM xml_documents WHERE docid IN ((((SELECT DISTINCT docid FROM xml_nodes WHERE UPPER LIKE '%DENYFIRST%' AND nodetype LIKE 'ATTRIBUTE' AND nodename LIKE 'order' AND parentnodeid IN (SELECT nodeid FROM xml_index WHERE path LIKE 'acl')))))

For return fields, the sql query for attributes will look like:

select xml_nodes.docid, xml_index.path, xml_nodes.nodedata, xml_nodes.nodename from xml_index, xml_nodes where xml_index.nodeid=xml_nodes.parentnodeid and ((xml_index.path like 'originator/phone' AND xml_nodes.nodename like 'phonetype') or (xml_index.path like 'keywordSet/keyword' AND xml_nodes.nodename like 'keywordType')) AND xml_nodes.docid in ('tao.9301') AND xml_nodes.nodetype = 'ATTRIBUTE'

#2 - 03/27/2013 02:15 PM - Redmine Admin

Original Bugzilla ID was 927