Metacat - Bug #248

id finder needed for metacat

07/10/2001 04:40 PM - Chad Berkley

Status:	Resolved		**Start date:**	07/10/2001
Priority:	Immediate		**Due date:**	
Assignee:	Matt Jones		**% Done:**	0%
Category:	metacat		**Estimated time:**	0.00 hour
Target version:	Release1.0		**Spent time:**	0.00 hour
Bugzilla-Id:	248			

Description

Metacat needs a utility function so that morpho can query it and find the last id used by a specific user. right now, if a user goes to another computer, his id sequence is reset, causing id conflicts when the documents are uploaded. the <profile>.xml file in morpho needs to be able to be updated with the latest id that was used in metacat. this should be done dynamically when morpho starts up. I will also enter a bug for morpho for this.

Related issues:

Blocked by Morpho - Bug #254: Look up id sequence on morpho startup	**Resolved**	**07/12/2001**
Blocked by Morpho - Bug #301: use UID as scope, chek for conflicts	**Resolved**	**10/16/2001**

History

#1 - 07/16/2001 01:27 PM - Jivka Bojilova

DONE
Included utility function about gettig the latest docid for a user:
DBUtil.getLastDocid(username).
Required Metacat' parameters:
- action='getlastdocid'
- username

The SQL Statement used:
SELECT docid, rev, date_updated
FROM xml_documents
WHERE user_owner = @username
AND date_updated = (SELECT MAX
FROM xml_documents
WHERE user_owner = @username)
UNION
SELECT docid, rev, date_updated
FROM xml_revisions
WHERE user_owner = @username
AND date_updated = (SELECT MAX
FROM xml_revisions
WHERE user_owner = @username)
ORDER BY date_updated

#2 - 07/16/2001 01:30 PM - Jivka Bojilova

DONE

#3 - 10/15/2001 04:40 PM - Dan Higgins

It appears that Metacat does NOT return the LAST ID (It seems to return the last id of a dataset document. But there are other documents in a dataset which have larger ids.) Morpho adds 5 to the numbe returned, but this is not always a good fix.

#4 - 10/16/2001 08:12 PM - Matt Jones

Need to change this function so that metacat returns the largest id number used for a particular scope, regardless of which user owns the documents. Thus, we may need to rename the function to "getMaxIdForScope" or something similar.

#5 - 10/18/2001 05:37 PM - Dan Higgins

The current version of this code in Metacat will work correctly with the current version of Morpho. The problem was related to accession numbers being assigned in Morpho in a different order than documents were inserted into Metacat. (The Metacat code checks insertion times rather than accession numbers.)

Morpho has been changed to insert documents in the same order that accession numbere are assigned. Also, the next accession id stord in the profile is now updated when Morpho starts up.

#6 - 10/19/2001 04:48 PM - Matt Jones

Rewrote the SQL function to select the MAX accession number used for a given scope. The scope is now passed into Metacat using a "scope" parameter. Renamed functions to properly reflect that they are selecting the MAX id rather than the last id. The new SQL algorithm looks like this:

```
"SELECT docid, rev, acc FROM " +
           "( " +
           "SELECT docid, rev, acc FROM " +
               "(" +
               "SELECT docid, rev, " +
               "SUBSTR(docid, INSTR(docid, '" + sep + "', 1)+1)+0 acc " +
               "FROM xml_documents " +
               "WHERE docid LIKE ? " +
               "ORDER BY acc DESC " +
               ") " +
           "WHERE rownum = 1 " +
           "UNION " +
           "SELECT docid, rev, acc FROM " +
               "(" +
               "SELECT docid, rev, " +
               "SUBSTR(docid, INSTR(docid, '" + sep + "', 1)+1)+0 acc " +
               "FROM xml_revisions " +
               "WHERE docid LIKE ? " +
               "ORDER BY acc DESC " +
               ") " +
           "WHERE rownum = 1 " +
           ") " +
           "ORDER BY acc DESC"
           );
```

#7 - 10/19/2001 04:50 PM - Matt Jones

FIXED with previosuly committed changes.

#8 - 10/19/2001 04:56 PM - Matt Jones

Resolved/FIXED.

#9 - 03/27/2013 02:13 PM - Redmine Admin

Original Bugzilla ID was 248