

Morpho - Bug #438

Intermittent Version Numbering Problem

02/28/2002 11:16 AM - Dan Higgins

<b>Status:</b>	Resolved	<b>Start date:</b>	02/28/2002
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Dan Higgins	<b>% Done:</b>	0%
<b>Category:</b>	morpho - general	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	1.2	<b>Spent time:</b>	0.00 hour
<b>Bugzilla-Id:</b>	438		
<b>Description</b> <p>If one creates a datapackage and then repeatedly changes one of the documents in the package (e.g. the eml-access doc; just say it is a new doc without actually changing anything), perhaps 1-2 times out of 10, an error will occur which says "The file you are attempting to updata has been changed by another user ...". Apparently the sequence number has become out of sync. Completely removing local copies and working from Metacat versions does not fix the problem - i.e. not further editing can be done.</p> <p>The problem is apparently related to the "getMetacatInputStream" method in 'ClientFramework' class. This method has makes three attempts to get a network connection due to a problem in the HTTP connection class. This bug apparently occurs when the first embedded 'try' in this method fails. Somehow the version number is getting incremented in Metacat but not in the package!</p> <p>Apparently, Morpho needs some sort of transaction management in order to recover when part of a datapackage updata works and part does not.</p>			
<b>Related issues:</b>			
Blocks Metacat - Bug #213: transaction support for packages			New 04/09/2001

History

#1 - 02/28/2002 12:01 PM - Matt Jones

The observation about transaction support is also something we have recognized as a need for Metacat. Bug 213 describes the metacat transactions, and so I have made this bug dependent on that one.

#2 - 03/04/2002 09:00 AM - Dan Higgins

Further study of this bug shows that it probably happens when a document other than the dataset doc is edited. The edited document is updated and then the dataset must be updated with new ids. If that fails, then the edited document has a version number 1 greater than that in the dataset doc, but that doc is NOT part of the datapackage. Trying to update the datapackage (which references the older version than fails because a new version exists on metacat.

A (partial) fix is to try and roll back any new versions if any part of the transaction fails. A new update routine has been written to do just that. That code is currently being tested.

#3 - 10/07/2002 01:50 PM - Dan Higgins

I have been unable to recreate the problem as described with the current version of Morpho (10/7/2002). I think we have probably fixed the original problem with code updates. I am thus marking this bug as resolved. (Dan Higgins)

#4 - 03/27/2013 02:14 PM - Redmine Admin

Original Bugzilla ID was 438