

## Metacat - Bug #213

### transaction support for packages

04/09/2001 03:35 PM - Matt Jones

<b>Status:</b>	New	<b>Start date:</b>	04/09/2001
<b>Priority:</b>	Immediate	<b>Due date:</b>	
<b>Assignee:</b>	Jing Tao	<b>% Done:</b>	0%
<b>Category:</b>	metacat	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>Spent time:</b>	0.00 hour
<b>Bugzilla-Id:</b>	213		
<b>Description</b> Need to build in transaction support for packages. a client should be able to insert (or update) a bunch of components of a package and be sure that they all succeed or all fail. This is especially important if we allow submissions as "jar" files or otherwise. Still need to be able to insert individual compnents though.			
<b>Related issues:</b> Blocked by Morpho - Bug #438: Intermittent Version Numbering Problem <b>Resolved</b> <b>02/28/2002</b>			

#### History

##### #1 - 02/12/2002 04:11 PM - Matt Jones

Postponing this feature to a later release.

##### #2 - 03/12/2003 05:08 PM - Jing Tao

This bug will be postponed because eml2 already put submodules into one xml documents.

##### #3 - 04/17/2003 03:02 PM - Jing Tao

This is the summary for the conference call with Matt and Chad in April 17, 2003.

MetaCat need two other actions: The first one is startTransaction and the other is endTransaction. Before client start uploading files, it first calls startTransaction and metacat will assign a transactionid(like a session id) to the user. Then client loads document or data file with same transactionid. When user finishes uploading, it sends an endTransaction command. When metacat gets this endTransaction command, it will submit the whole transaction to db. If before sending enTransaction, something failed, metacat will rollback everything already sending to it during this transaction. If user never sends a endTransaction, timeout mechanisms will make db rollback.

This will change the communication way between metacat and client. Client, for example, morpho will be changed too. This causes version compatability issue. MetaCat need to be considered to support both old and new communication ways.

##### #4 - 04/17/2003 03:09 PM - Matt Jones

Agreed. In addition, this mechanism allows for all of the access control rules for a package to be applied to all of the components of a package. If the EML has the data listed at an online metacat URL, the EML access control rules will be applied to the data if the data is loaded in the same transaction as the metadata. For that matter, any object that is loaded in the same transaction will be associated with the ACL in the metadata.

This is related to any changes to EML that may occur to make ACLs work properly.

##### #5 - 03/11/2008 12:51 PM - Chad Berkley

changing to postpone

##### #6 - 03/27/2013 02:13 PM - Redmine Admin

Original Bugzilla ID was 213

**#7 - 10/30/2013 10:43 AM - Matt Jones**

- *Target version deleted (Postpone)*

**#8 - 10/30/2013 10:45 AM - Matt Jones**

- *Status changed from In Progress to New*

Need to decide if this transaction feature is useful or not, and if not then delete this request. We have operated fine without it for more than a decade, so it seems superfluous.