

Metacat - Bug #5054

Unable to insert large EML documents and no error status returned

06/18/2010 02:24 PM - Duane Costa

Status:	Resolved	Start date:	06/18/2010
Priority:	Immediate	Due date:	
Assignee:	ben leinfelder	% Done:	0%
Category:	metacat	Estimated time:	0.00 hour
Target version:	2.0.0	Spent time:	0.00 hour
Bugzilla-Id:	5054		

Description

Two LTER sites (CDR and LUQ) have been unable to insert large EML documents into the LTER Metacat. The failure occurs both in batch mode (i.e. Metacat Harvester) and manually from a web form. There are really two problems:

1. The insert operation fails.
2. Metacat gives no indication that it fails. There is no apparent response of any kind other than that the insert operation terminates.

The following URL points to a very large (2+ MB) EML document with in-line data. Dan Bahauddin, Information Manager at Cedar Creek Ecosystem Science Reserve has granted permission to Metacat developers to access this document for the purpose of testing this bug (thanks, Dan!):

<http://www.cedarcreek.umn.edu/data/emlFiles/knb-lter-cdr.70120.101.xml>

History

#1 - 06/18/2010 02:28 PM - Matt Jones

OK, we'll take a look at it. Duane -- if you or someone on the LTER team there have a chance to look into it, it might get resolved more quickly. I've increased the severity and assigned it to Chad.

#2 - 10/27/2011 07:41 PM - ben leinfelder

On first inspection, it appears that the request is coming into Metacat with no parameters set when I use the dev skin to load the large XML file (action, doc content).

After some Googling, It looks like there is a Tomcat server.xml setting that limits the size of POSTs (see: <http://tomcat.apache.org/tomcat-6.0-doc/config/http.html>).

"maxPostSize"

The maximum size in bytes of the POST which will be handled by the container FORM URL parameter parsing. The limit can be disabled by setting this attribute to a value less than or equal to 0. If not specified, this attribute is set to 2097152 (2 megabytes).

The sample file is 2.6 MB -- so it exceeds Tomcat's default limit of 2 MB.

When I set my local server.xml to have maxPostSize="0" I can upload the large EML file without error.

#3 - 03/27/2013 02:29 PM - Redmine Admin

Original Bugzilla ID was 5054