

Metacat - Bug #1982

add function to submit data with registry entities

02/17/2005 05:37 PM - Matt Jones

Status:	Resolved	Start date:	02/17/2005
Priority:	Immediate	Due date:	
Assignee:	Shaun Walbridge	% Done:	0%
Category:	registry	Estimated time:	0.00 hour
Target version:	1.8	Spent time:	0.00 hour
Bugzilla-Id:	1982		

Description

A common request is to be able to submit data to the metacat along with a registry entry as it is submitted. We've not done this because of the additional metadata burden that is typically required to be EML compliant (entity and attribute). However, there is some utility to being able to archive the data even without the detailed entity and attribute metadata. Once strategy is this:

- 1) Add a form upload field to allow a user to point at a data file on disk for upload
- 2) Upon submit, upload the metadata and data, parse out the data file and submit it to metacat as its own object.
- 3) Use the ID for the submitted dataset to create a metacat URL, and write that metacat url into the distribution section for the overall data package, and then submit the metadata.

This is not the traditional approach to uploading EML data, as data are typically uploaded in the dataTable/distribution section. A couple of problems arise. First, because the distribution url is in an atypical place in EML, metacat doesn't know how to set access control rules on the data object properly, so this will need to be specially handled. Second, because the distribution url is in an atypical place in EML, morpho won't know how to deal with the data package and will need to be modified to detect the presence of these data tables and 'move' the reference to the dataTable subtree to allow the user to provide entity/attribute info for the table and to view the data. This will be entered as a separate bug. So, an additional feature to contemplate is:

- 4) Add a form field for specifying access restrictions on the data. This could be a simple radio button like:
"Make data 1) publicly available 2) private"

In some special cases, such as the NCEAS data registry, we might want a third choice like "Group available" where the group consists of the people that are members of the associated working group. This will require being able to get the list of ldap accounts associated with a group from the registry script, but this could be presumably added to the admindb access script in perl.

Related issues:

Blocked by Morpho - Bug #1983: allow morpho to detect online data and import it	New	02/17/2005
Blocked by Metacat - Bug #3014: Expose permission options for registry uploads	Resolved	11/26/2007

History

#1 - 04/01/2005 12:23 PM - Saurabh Garg

Changing the target milestone to release 1.6. Cant be included in 1.5 which has to released soon.

#2 - 11/26/2007 10:41 AM - Shaun Walbridge

Bug fixed by fixing four aspects of Metacat:

- 1) Metacat core fixed to accept arbitrarily ordered form objects, and open the option of accepting multiple files in one HTTP POST operation.
- 2) In Metacat.Pm Perl bindings, added an upload option, now will encode forms using the enctype specified by

the browser.

- 3) Added a Javascript widget for uploading multiple file objects, based on (<http://the-stickman.com/web-development/javascript/>).
- Added form handling code to pass file object state between the stages.
- 4) Refactored register-dataset.cgi (see version 1.75) to include data file uploads, generate EML with the data package <-> data object relationships, contained within the otherEntity element.

#3 - 03/27/2013 02:18 PM - Redmine Admin

Original Bugzilla ID was 1982