Infrastructure - Story #2840

Implement morpho to use Dataone API

2012-06-01 22:51 - Jing Tao

Status:	Closed		Start date:	2012-06-01
Priority:	Normal		**Due date:**	2013-03-16
Assignee:	Ben Leinfelder		**% Done:**	100%
Category:			**Estimated time:**	0.00 hour
Target version:	2013.10-Block.2.1			
Story Points:				

Description

Currently, Morpho uses Metacat API to store and query metadata and data packages. If morpho can use dataone API, it can use more resources to fulfil its tasks.

Subtasks:

Task # 2841: Create the design documents for morpho to use the Dataone APIs	**Closed**
Task # 2842: Design and implment the APIs for morpho to connect Dataone nodes	**Closed**
Task # 2843: Consolidate the metacat code in morpho	**Rejected**
Task # 2900: Modify morpho package id management when we switch to dataone	**Rejected**

History

#1 - 2012-06-01 22:53 - Jing Tao

- Target version set to Sprint-2012.29-Block.4.3

#2 - 2012-06-01 23:27 - Jing Tao

- Assignee set to Jing Tao

#3 - 2012-07-16 18:42 - Jing Tao

We divided the implementation into two phases:

Phase 1: Work with multiple MNs, but choose one as active MN for create(). Morpho still uses Metacat API to search
User selects 'Active' Member node from dropdown list in settings; list generated from Node service; or enter baseurl
If MN is metacat, use metacat API to search
** Metacat search API only returns metacat docids (scope.docid.rev) not the DataONE PIDs
** Issue: how to get ahold of the PID rather than the localID so get()/create()/update() can be called
If MN is not metacat, disable network search, only allow local open
For create
Create on the active MN, set authMN to the active node id
For update/delete

If a user has rights to call update/delete on the AuthNode, and a write permission on an object, they can update/delete on the authNode
-- 3 checks have to pass: userHasWrite on object, user has execute on service, and authMN is available for object
If authMN is not available, don't do update()

Phase 2: Use dataone API to search
Some issues need to be addressed:
Will Morpho search CN, MN or both? If search MN, we need an optional search API for MN.
If we only search CN, we need to deal with the variable sync lag times on CNs
Need a search mechanism to include metadata fields in CN/MN

#4 - 2012-08-31 03:08 - Chris Jones

- Milestone changed from CCI-1.0.0 to CCI-1.1

- Status changed from New to In Progress

- Target version changed from Sprint-2012.29-Block.4.3 to Sprint-2012.37-Block.5.3

#5 - 2012-10-08 18:54 - Ben Leinfelder

- Assignee changed from Jing Tao to Ben Leinfelder

#6 - 2012-10-10 16:14 - Chris Jones

- Milestone changed from CCI-1.1 to None

#7 - 2012-10-11 15:33 - Dave Vieglais

- Due date changed from 2012-09-22 to 2012-10-27

- Target version changed from Sprint-2012.37-Block.5.3 to Sprint-2012.41-Block.6.1

#8 - 2012-10-24 18:20 - Ben Leinfelder

- Target version changed from Sprint-2012.41-Block.6.1 to Sprint-2012.44-Block.6.2

- Due date changed from 2012-10-27 to 2012-11-10

#9 - 2012-12-12 16:51 - Chris Jones

- Due date changed from 2012-11-10 to 2013-01-05

- Target version changed from Sprint-2012.44-Block.6.2 to Sprint-2012.50-Block.6.4

#10 - 2013-03-01 18:33 - Ben Leinfelder

- Due date changed from 2013-01-05 to 2013-03-16

- Target version changed from Sprint-2012.50-Block.6.4 to 2013.10-Block.2.1

#11 - 2013-03-25 22:50 - Ben Leinfelder

- Status changed from In Progress to Closed