

Infrastructure - Story #3548

CN Read-only mode implementation

2013-02-06 18:36 - Robert Waltz

Status:	Closed	Start date:	2013-11-25
Priority:	Normal	Due date:	2014-01-18
Assignee:	Rob Nahf	% Done:	100%
Category:	d1_cn_service	Estimated time:	0.00 hour
Target version:	2014.2-Block.1.1		
Story Points:			
Description			
CNCore & CNRead always up			
reserveldentifier operation must also be available.reserveldentifier operation			
How to transfer reserveldentifiers when other CN's come back into the mix. We will often split the CNs while upgrading. We will need a journal of transactions to replay on the other machines.			
reserveldentifier operation			
This should be separate from LDAP (in some way) such that in read-only mode reserveldentifiers are not lost, but also do not corrupt LDAP.			
Maybe test the problem with ldap such that duplicate identifiers are merged. How much of a problem does this cause?			
Subtasks:			
Task # 4186: Disable access to Metacat create/update Methods			Closed
Task # 4215: Enable read-only mode for CNCore and CNRead methods			Rejected
Related issues:			
Related to Infrastructure - Story #4193: Release CCI 1.2.4 Features		Closed	2013-12-11 2013-12-14

History

#1 - 2013-03-01 19:26 - Robert Waltz

- Target version changed from 2013.6-Block.1.3 to 2013.14-Block.2.3
- Due date changed from 2013-02-06 to 2013-04-13

#2 - 2013-06-05 05:02 - Robert Waltz

- Due date changed from 2013-04-13 to 2013-07-20
- Milestone changed from CCI-1.1.1 to CCI-1.1.3
- Target version changed from 2013.14-Block.2.3 to 2013.28-Block.4.2

#3 - 2013-08-02 17:57 - Dave Vieglais

- Target version changed from 2013.28-Block.4.2 to 2013.35-Block.5.1
- Due date changed from 2013-07-20 to 2013-09-07

#4 - 2013-08-02 18:24 - Robert Waltz

- Due date changed from 2013-09-07 to 2013-10-05
- Target version changed from 2013.35-Block.5.1 to 2013.39-Block.5.3

#5 - 2013-10-28 20:10 - Robert Waltz

- Milestone changed from CCI-1.1.3 to CCI-1.3
- Start date deleted (2013-02-06)
- Target version deleted (2013.39-Block.5.3)
- Due date deleted (2013-10-05)

- Product Version set to 1.3.0

#6 - 2013-12-02 20:14 - Chris Jones

- Assignee changed from Robert Waltz to Rob Nahf

#7 - 2013-12-03 21:27 - Rob Nahf

- Status changed from New to In Progress

code is committed to trunk, and branched (D1CN_SERVICE_v1.3)

I had trouble creating a unit test for CNRepliationController - something with the spring injection, so that's not committed, but the other methods passed tests, so I'm not worried.

#8 - 2013-12-11 22:23 - Rob Nahf

- Status changed from In Progress to Closed

successfully deployed as part of CCI 1.2.4 to STAGE-2 and SANDBOX.

tested the cn.storage.readOnly property via curl to both CN machines (only one was disabled)

```
$ curl -X PUT https://cn-stage-orc-2.test.dataone.org/cn/v1/owner/abcde
<?xml version="1.0" encoding="UTF-8"?>
```

This CN instance has temporarily disabled methods that modify content

```
$ curl -X PUT https://cn-stage-unm-2.test.dataone.org/cn/v1/owner/abcde
<?xml version="1.0" encoding="UTF-8"?>
```

The 'serialVersion' must be provided as a parameter and was not.

```
$ curl -X GET https://cn-stage-orc-2.test.dataone.org/cn/v1/object/abcde
<?xml version="1.0" encoding="UTF-8"?>
```

No system metadata could be found for given PID: abcde

#9 - 2014-01-07 16:19 - Chris Jones

- Target version set to 2014.2-Block.1.1

- Start date set to 2014-01-05

- Due date set to 2014-01-18

- Status changed from Closed to In Progress

Re-opening this ticket. While performing the CCI 1.2.4 upgrade, I switched cn-ucsb-1 into read-only mode in node.properties. In doing so, content in ONEMercury, while searchable, was not available via CN.resolve(). Likewise, the CN.listNodes() returns a service failure, so the ONEMercury UI wasn't able to populate the Member Node list control. Ultimately, it looks like the implementation *disabled* all services, rather than allowing CNCORE

and CNRead methods, and disabling other methods that write to the CNs.

#10 - 2014-01-08 16:02 - Chris Jones

- *Status changed from In Progress to Closed*

Issue [#4215](#) is resolved.