Member Nodes - Bug #7057

Synchronization of mnTestSEAD objects results in "NULL" exception on cn-stage.test.dataone.org in cn-syncrhonization.log

2015-04-21 17:58 - Mark Servilla

Status:	Closed		**Start date:**	2015-04-21
Priority:	Normal		**Due date:**	
Assignee:	Robert Waltz		**% Done:**	100%
Category:			**Estimated time:**	0.00 hour
Target version:				
Story Points:				

Description

Synchronization of mnTestSEAD objects results in "NULL" exception on cn-stage.test.dataone.org in cn-syncrhonization.log. The "NULL" exception limits diagnosing the issue.

Observation of mnTestSEAD MN as of 6 April:

Science metadata is FGDC-STD-001-1998 format

There are no resource map or data objects

There are no relevant log messages in either /var/lib/tomcat7/logs or /var/metacat/logs

See attached file for a list of the mnTestSEAD object list and relevant section of the cn-synchronization.log file from 6 April.

Additional information from Skye on 17 April:

One SEAD error found today, regarding their newest content:

[DEBUG] 2015-04-16 22:51:46,010 (TransferObjectTask:processSystemMetadata:402) Task-urn:node:mnTestSEAD-seadva-MyersJames41411794-ca00-4bef-9d23-bf99441cfa1d Added CN as replica because formatType METADATA is sciMetadata

[DEBUG] 2015-04-16 22:51:46,297 (TransferObjectTask:createObject:651) Task-urn:node:mnTestSEAD-seadva-MyersJames41411794-ca00-4bef-9d23-bf99441cfa1d getting ScienceMetadata

[INFO] 2015-04-16 22:51:46,479 (TransferObjectTask:createObject:705) Task-urn:node:mnTestSEAD-seadva-MyersJames41411794-ca00-4bef-9d23-bf99441cfa1d Creating Object

[ERROR] 2015-04-16 22:51:52,291 (TransferObjectTask:write:585) Task-urn:node:mnTestSEAD-seadva-MyersJames41411794-ca00-4bef-9d23-bf99441cfa1d
<?xml version="1.0" encoding="UTF-8"?>

Error inserting or updating document: <?xml version="1.0"?><error>cvc-complex-type.2.4.b: The content of element 'timeinfo' is not complete. One of '{sngdate, mdattim, rngdates}' is expected.</error>

[DEBUG] 2015-04-16 22:51:52,461 (TransferObjectTask:call:233) Task-urn:node:mnTestSEAD-seadva-MyersJames41411794-ca00-4bef-9d23-bf99441cfa1d Unlocked task

Looks like an FGDC schema validation failure for this particular object.

However I also looked at some other objects that Mark noted and see the same error Mark saw - for example:

cn-synchronization.log.1:[ERROR] 2015-04-07 00:30:51,911 (TransferObjectTask:write:606) Task-urn:node:mnTestSEAD-seadva-PowerMaryE.d6664a9f-322a-4551-980b-62b44c222162 cn-synchronization.log.1-null

The 'null' line corresponds to a logging message where the exception should be printed out, but we are just seeing 'null' in the log.

I think Robert may need to take another look at these sync failures. When I first started playing with the test SEAD yesterday I was getting a bunch of timeouts on REST endpoints - then at some point they started working. Im wondering if some of the sync failures may be related to timeouts? Although I think Mark has tried harvesting from this test SEAD node a few times?

Related issues:

Related to Member Nodes - MNDeployment #3521: SEAD Member Node	**Operational**	**2013-02-15**	**2013-03-11**

History

#1 - 2015-04-21 17:58 - Mark Servilla

- Related to MNDeployment #3521: SEAD Member Node added

#2 - 2016-06-20 18:56 - Robert Waltz

- Status changed from New to Closed

- % Done changed from 0 to 100

The error in question occurred in code that has long since been replaced. I have searched synchronization logs going back as far as last November and do not see an occurrence of the error. So, I'll say it is closed.

Files

mnTestSEAD.txt	67.5 KB	2015-04-21	Mark Servilla