

Infrastructure - Bug #7283

Replication exception during setReplicationStatus()

2015-07-29 20:01 - Andrei Buium

Status:	Closed	Start date:	2015-07-29
Priority:	Normal	Due date:	
Assignee:	Ben Leinfelder	% Done:	100%
Category:	Metacat	Estimated time:	0.00 hour
Target version:		Story Points:	
Milestone:	None		
Product Version:	*		

Description

Replication seems to be failing due to the following exception:

```
/var/log/dataone/replicate/cn-replication.log
```

```
[ERROR] 2015-07-28 16:26:19,699 (ReplicationService:setReplicationStatus:219) Error in calling setReplicationStatus() for identifier autogen.2015051410063088508, target node urn:node:mnDemo6 and status of REQUESTED: Couldn't resolve the multipart request: null
```

```
org.dataone.service.exceptions.ServiceFailure: Couldn't resolve the multipart request: null
at org.dataone.service.util.ExceptionHandler.deserializeXml(ExceptionHandler.java:633)
at org.dataone.service.util.ExceptionHandler.deserializeXmlAndThrowException(ExceptionHandler.java:517)
at org.dataone.service.util.ExceptionHandler.deserializeAndThrowException(ExceptionHandler.java:363)
at org.dataone.service.util.ExceptionHandler.deserializeAndThrowException(ExceptionHandler.java:313)
at org.dataone.service.util.ExceptionHandler.filterErrors(ExceptionHandler.java:107)
at org.dataone.service.util.ExceptionHandler.filterErrors(ExceptionHandler.java:82)
at org.dataone.client.rest.HttpMultipartRestClient.doPutRequest(HttpMultipartRestClient.java:426)
at org.dataone.client.v2.impl.MultipartCNode.setReplicationStatus(MultipartCNode.java:1658)
```

The problem comes from CNResourceHandler.setReplicationStatus(pid) on the second of these lines:

```
Map files = collectMultipartFiles();
```

```
failure = ExceptionHandler.deserializeXml(new FileInputStream(files.get("failure")),
"Replication failed for an unknown reason.");
```

Turning on DEBUG logging shows the first line runs successfully:

```
metacat 20150728-22:28:31: [DEBUG]: done iterating the request... [edu.ucsb.nceas.metacat.restservice.D1ResourceHandler]
```

This could be the culprit: collectMultipartFiles() doesn't seem to add an entry to the return map with a "failure" key, which probably yields a NPE in the FileInputStream constructor.

History

#1 - 2015-07-29 21:52 - Ben Leinfelder

- Status changed from New to In Progress

- % Done changed from 0 to 30

Committed change to metacat - can rebuild and deploy in dev environment to verify.

#2 - 2015-07-29 23:24 - Ben Leinfelder

- Status changed from In Progress to Testing

- % Done changed from 30 to 50

Okay, the 3 CN devs have this change applied - test as you wish!

#3 - 2015-08-20 22:35 - Ben Leinfelder

- *Status changed from Testing to Closed*

- *% Done changed from 50 to 100*

Looks like those particular errors have been resolved by this change.