

## Morpho - Bug #5885

### Upgrading EML version causes access policy to be lost

02/26/2013 10:21 PM - ben leinfelder

|  |                  |                        |            |
|--|------------------|------------------------|------------|
| <b>Status:</b>   | Resolved         | <b>Start date:</b>     | 02/26/2013 |
| <b>Priority:</b>   | Normal           | <b>Due date:</b>       |            |
| <b>Assignee:</b>   | Jing Tao         | <b>% Done:</b>         | 0%         |
| <b>Category:</b>   | morpho - general | <b>Estimated time:</b> | 0.00 hour  |
| <b>Target version:</b>   | 2.0.0            | <b>Spent time:</b>     | 0.00 hour  |
| <b>Bugzilla-Id:</b>  | 5885             |                        |            |
| <b>Description</b>   |                  |                        |            |
| Matt saved a DataONE package to the MN using R, but the EML was 2.0.1 and had no access rules in it. The SystemMetadata specified public access. When he opened it in Morpho it had him upgrade it to 2.1.1, but the access rules were lost. |                  |                        |            |

#### History

##### #1 - 02/27/2013 08:58 AM - ben leinfelder

My hunch is that the original SystemMetadata (from the MN) is discarded during the upgrade process and new SystemMetadata is generated from the EML fields. We should really be saving the original SystemMetadata and then just setting these fields:

- identifier (new identifier)
- obsoletes (the original identifier)
- formatId (new EML version)
- size
- checksum

##### #2 - 02/27/2013 09:19 AM - ben leinfelder

Here is an example EML 2.0.1 file that has an accessPolicy set in SystemMetadata. When I open it by id in Morpho (after many exceptions because it cannot find the referenced data file) it asks me to upgrade to 2.1.1. I say yes, and then look at the access policy and there are none.

See the SM has an access policy:

[https://mn-demo-5.test.dataone.org/knb/d1/mn/v1/meta/doi:10.6085/AA/ALEXXX\\_015ADCP015R00\\_19990817.50.5](https://mn-demo-5.test.dataone.org/knb/d1/mn/v1/meta/doi:10.6085/AA/ALEXXX_015ADCP015R00_19990817.50.5)

##### #3 - 02/27/2013 09:31 AM - Jing Tao

If i didn't upgrade the eml version and saved it locally, the access policies can be preserved in the system metadata. So, during the upgrade process, the system metadata was lost.

##### #4 - 02/27/2013 09:45 AM - Jing Tao

Before the upgrading, the system metadata should be preserved. Then we set it backup when the upgrading is done.

After doing that, the access rules will not be lost. And the format in the system metadata still is the eml-2.1.1.

##### #5 - 02/27/2013 11:54 AM - ben leinfelder

Looks good - thanks, Jing!

##### #6 - 03/27/2013 02:32 PM - Redmine Admin

Original Bugzilla ID was 5885