

## Metacat - Bug #3239

### metacat using illegitimate versions of EML schemas

04/24/2008 10:50 AM - Matt Jones

<b>Status:</b>	Resolved	<b>Start date:</b>	04/24/2008
<b>Priority:</b>	Immediate	<b>Due date:</b>	
<b>Assignee:</b>	Jing Tao	<b>% Done:</b>	0%
<b>Category:</b>	metacat	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	1.8.1	<b>Spent time:</b>	0.00 hour
<b>Bugzilla-Id:</b>	3239		
<b>Description</b>			
<p>Metacat should ship with EML 2.0.0 and EML 2.0.1 schemas preinstalled. Upon inspection, it seems we are using modified versions of these that include files from the HEAD of the EML CVS.</p> <p>A concrete example is eml-resource.xsd. According to the tags: RELEASE_EML_2_0_1_UPDATE_6: 1.79 RELEASE_EML_2_0_1_UPDATE_5: 1.79 RELEASE_EML_2_0_1_UPDATE_4: 1.79 RELEASE_EML_2_0_1_UPDATE_3: 1.79 RELEASE_EML_2_0_1_UPDATE_2: 1.79 RELEASE_EML_2_0_1_UPDATE_1: 1.78 RELEASE_EML_2_0_1: 1.78</p> <p>This indicates that we should be shipping 1.78 with the metacat release for EML 2.0.1. But in the production version, it contains 1.79. I suspect this is being picked up from the UPDATE_5 tag, which is wrongly tagged at version 1.79.</p> <p>This needs to be fixed ASAP, and we need to notify LTER of the problem because they will likely have a bunch of invalid documents once we start enforcing the 2.0.1 schema properly.</p>			

#### History

##### #1 - 04/24/2008 12:25 PM - Jing Tao

Here are some thoughts:

1)

For short term solution, we can check out a RELEASE\_EML\_2\_0\_1 version eml and manually copy those .xsd files to web-context/schema/eml-2.0.1 directory.

Those files are need to be copied (total 24 files):

eml-access.xsd   eml-coverage.xsd   eml-documentation.xsd   eml-methods.xsd   eml-project.xsd   eml-software.xsd   eml-spatialVector.xsd  
eml-view.xsd  
eml-attribute.xsd   eml-dataset.xsd   eml-entity.xsd   eml-party.xsd   eml-protocol.xsd   eml-spatialRaster.xsd   eml-storedProcedure.xsd  
eml.xsd  
eml-constraint.xsd   eml-dataTable.xsd   eml-literature.xsd   eml-physical.xsd   eml-resource.xsd   eml-spatialReference.xsd   eml-text.xsd  
stmml.xsd

I will try this first in dev, then in knb if everything looks good in dev.

2)

For long term solution, we need to use different tags for eml 2.0.1 xsd files and xsl files in metacat build.xml. RELEASE\_EML\_2\_0\_1 for schema and RELEASE\_EML\_2\_0\_1\_UPDATE\_\* for style sheets. So I will propose two properties name here:

eml2\_0\_1-schema-tag=RELEASE\_EML\_2\_0\_1

eml2\_0\_1-style-tag=RELEASE\_EML\_2\_0\_1\_UPDATE\_\*

During metacat build process, eml201 will be checkout first as eml2\_0\_1-schema-tag, and xsd files will be copied to the schema dir. Then eml201 checkout will be update by eml2\_0\_1style-tag, and xsl files will be copied to style sheet dir.

Currently we don't ship eml-200 style sheets with metacat. It uses eml201 one. So we wouldn't add new style property for eml200.

##### #2 - 04/24/2008 12:42 PM - Jing Tao

Okay, i manually copied RELEASE\_EML\_2\_0\_1 xsd files to schema dir in dev. I also backed up the old files. Callie and I will test against it.

##### #3 - 04/24/2008 02:24 PM - Jing Tao

Callie inserted a new document into dev and the "system" attribute of "references" is gone. I also tried to insert a document which is existed eml201

instance containing "system" attribute in "reference", it failed - [attributes] of element 'references' must be empty.

I didn't see any unknown problem to do this in knb production server.

**#4 - 04/25/2008 11:40 AM - ben leinfelder**

does this mean that Metacat was generating the extra attribute and not Morpho?

**#5 - 04/25/2008 11:45 AM - Jing Tao**

ben, yes. see bug [http://bugzilla.ecoinformatics.org/show\\_bug.cgi?id=1601](http://bugzilla.ecoinformatics.org/show_bug.cgi?id=1601)

**#6 - 04/25/2008 04:21 PM - Jing Tao**

In build.xml, two new properties were created:

```
<property name="eml2_0_1-schema-tag" value="RELEASE_EML_2_0_1" />
<property name="eml2_0_1-style-tag" value="RELEASE_EML_2_0_1_UPDATE_6" />
```

eml201 will be checkout twice to copy schema and style sheets respectively.

The result turned out new installation will get correct eml201 schema and style sheets. It works fine.

Manually copying RELEASE\_EML\_2\_0\_1 schema to knb production was postponed. We need to coordinate with bug 3241 - Update older invalidated eml201 document in Metacat.

**#7 - 05/14/2008 02:35 PM - Jing Tao**

following above plan and it is done. I wrote a script to compare schema file and the result shows now they are same to RELEASE\_EML\_2\_0\_1.

**#8 - 03/27/2013 02:22 PM - Redmine Admin**

Original Bugzilla ID was 3239