Metacat - Bug #3239

metacat using illegitimate versions of EML schemas

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

Status:	Resolved		Start date:	04/24/2008
Priority:	Immediate		Due date:	
Assignee:	Jing Tao		% Done:	0%
Category:	metacat		Estimated time:	0.00 hour
Target version:	1.8.1		Spent time:	0.00 hour
Bugzilla-Id:	3239			

Description

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.

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

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 tageed at version 1.79.

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.

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

#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