

Metacat - Bug #2091

Don't determine document namespace by "schemaLocation" attribute

05/25/2005 04:08 PM - Jing Tao

Status:	Resolved	Start date:	05/25/2005
Priority:	Normal	Due date:	
Assignee:	Saurabh Garg	% Done:	0%
Category:	metacat	Estimated time:	0.00 hour
Target version:	1.6	Spent time:	0.00 hour
Bugzilla-Id:	2091		

Description

In MetacatServlet class, before inserting document into db, we need to determine which parser should be initialized. We get the namespace information from the attribute "schemaLocation" and if namespace is eml200 document the eml parser200 will be initialized. If it is not eml200 or eml201, the generate parser will be initialized(which wouldn't handle writing access rule). Since the document doesn't has "schemaLocation" attribute, the generate parser will be used and there won't have any access rules will be created.

Using schemaLocation to determine the namespace is definitely a bug. There is never any requirement in XML Schema that someone provides a schemaLocation -- its only used to suggest a location as a hint so the .xsd file can be tracked down if the parser doesn't have a cached copy already. The prefix of the root element should tell you the xmlns, which is then present in the xmlns:prefix element in the header. There are routines in the XML parsers for finding this stuff out during the parse.

History

#1 - 05/25/2005 04:48 PM - Saurabh Garg

I discussed this with Jing and Dan and we came up with the following steps to find out the namespace:

1. Find if the root element has prefix (e.g. <eml:eml>). If found, go to step 2, otherwise go to step 3.

2. Look for xmlns:prefix element to find the ns (e.g.:xmlns:eml="eml://ecoinformatics.org/eml-2.0.0")
2a. If xmlns:prefix not found, go to step 3

3. Look for xmlns element to find the ns (e.g.:xmlns="eml://ecoinformatics.org/eml-2.0.0")

4. If no xmlns element found, you the generic schemea.

#2 - 11/01/2005 11:38 AM - Saurabh Garg

Changing the target and severity of the bug as this bug is allowing people to insert invalid eml documents which in turn is causing problem during replication.

#3 - 12/08/2005 10:19 AM - Saurabh Garg

Fixed. Seems to be working fine for now. All the documents replicated to knb1 seems to have doctype set correctly.

#4 - 03/27/2013 02:19 PM - Redmine Admin

Original Bugzilla ID was 2091