

Morpho - Bug #2221

prompt user to convert eml200 packages to eml201

10/05/2005 11:39 AM - Matt Jones

Status:	Resolved	Start date:	10/05/2005
Priority:	Immediate	Due date:	
Assignee:	Matt Jones	% Done:	0%
Category:	morpho - general	Estimated time:	0.00 hour
Target version:	1.6.1	Spent time:	0.00 hour
Bugzilla-Id:	2221		
Description			
Currently users can edit both eml200 and eml201 documents in Morpho. In general we would prefer them to use 201 format, so we should prompt them to convert their document to eml201 when they try to save a eml200 document. If they say yes, then the namespace will need to be changed. If they say no, then it is not changed and the document is saved as an eml200 document.			

History

#1 - 01/26/2006 11:04 AM - P. Anderson

I ran into a bunch of trouble trying to surgically change the xmlns:eml [namespace] node, then a discussion with MJ revealed that changing any part of the data package requires a new version of the document to be created. This is good news because it's probably much easier to create a new EML200DataPackage from XML.

#2 - 02/03/2006 06:02 PM - P. Anderson

The saga continues. Reloading the document does not seem to make any difference, or the XML parser will not load the XML.

1. I have successfully altered the root node so that it appears like so...

```
<eml:eml packageId="jscientist.2.2" system="knb"
xmlns:ds="eml://ecoinformatics.org/dataset-2.0.0"
xmlns:eml="eml://ecoinformatics.org/eml-2.0.1"
xmlns:stmml="http://www.xml-cml.org/schema/stmml"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="eml://ecoinformatics.org/eml-2.0.1 eml.xsd">
```

Please note the xmlns:ds attribute which has a "...dataset-2.0.0" value. I have no idea what this is and wonder if it too should be changed to a 2.0.1 (e.g. "...dataset-2.0.1").

Here is how I am reloading the altered data package (SaveDialog line 320):

```
adp = (EML200DataPackage)DataPackageFactory.getDataPackage(
    new java.io.StringReader(
        XMLUtil.getDOMTreeAsString(
            adp.getMetadataNode().cloneNode().getOwnerDocument()),
    false, true);
```

DataPackageFactory seems to comply. It says...
DocTypeInfo: eml://ecoinformatics.org/eml-2.0.1
Creating new eml-2.0.x package from metadata stream
loading new eml-2.0.x DOM

But then we run into the same problem as before when attempting to query with XPath...
genericName: /xpathKeyMap/contextNode[@name='package']/accessionNumber
Error in getGenericValue: javax.xml.transform.TransformerException:
XMLUtilities.getNodeListWithXPath() received NULL rootNode

1. So I tried an alternate method; reparsing the XML gave this error:

"The markup in the document following the root element must be well-formed."

Strange, since our own EML validator liked it and said, "Document is XML-schema valid. There were no XML errors found in your document."

<http://machination.msi.ucsb.edu/~anderson/work/eml201.xml>
<http://knb.ecoinformatics.org/emlparser>

```
adp = (EML200DataPackage)DataPackageFactory.getDataPackage(  
    new java.io.StringReader(  
        XMLUtil.getDOMTreeAsString(  
            adp.getMetadataNode().cloneNode(true).getOwnerDocument()),  
        false, true);
```

BAFFLED.

#3 - 02/06/2006 12:01 PM - P. Anderson

At long last, some progress has been made on this issue. I was very close before: the XML input stream needed to be reset right before parsing.

But what about this attribute of <eml:eml>? Does it also need to be changed along with xmlns:eml and xsi:schemaLocation?

```
xmlns:ds="eml://ecoinformatics.org/dataset-2.0.0"
```

I couldn't find any documentation about this attribute and don't want to mess anything up. Please respond if you know and then I'll close up this bug.

#4 - 02/10/2006 03:30 PM - P. Anderson

After confering with MJ, the xmlns:ds attribute is a bit of a fluke related to old jscientist documents and there is no issue. So without further ado I pronounce this bug CLOSED.

#5 - 03/27/2013 02:19 PM - Redmine Admin

Original Bugzilla ID was 2221