

Infrastructure - Bug #7370

TypeFactory.convertTypeFromType does not use xmlValue comparisons for Enum conversions

2015-09-21 16:07 - Rob Nahf

Status:	New	Start date:	2015-09-21
Priority:	Normal	Due date:	
Assignee:	Rob Nahf	% Done:	0%
Category:	d1_common_java	Estimated time:	0.00 hour
Target version:	Release Backlog	Story Points:	
Milestone:	None		
Product Version:	*		
Description			
<p>DataONE enumeration elements are defined by the schema, and are the "canonical" representations. But, due to Java Enum convention of all-capping constants and how our classes are built, the xmlValue is only accessible via the xmlValue() method, which is not a standard method for Enums. This requires the convertTypeFromType method to add class-specific logic for comparing using the xmlValue.</p> <p>For V2, we can get away with a "equalsIgnoreCase", because the only Enum that would undergo conversion is the v1.Event class. However, that would not work for the v1.Permission class, where CHANGE_PERMISSION constant's xmlValue is "changePermission".</p> <p>A couple solution options:</p> <ol style="list-style-type: none">1. create an xmlEnum interface that defines the xmlValue method that all DataONE Enum classes extend, and convert can leverage2. special-case handle all of the DataONE Enums in the conversion method3. override the toString method of DataONE Enums to return the xmlValue.			
Related issues:			
Related to Infrastructure - Bug #7363: CN.getLogRecords returns 0 result			Closed 2015-09-17

History

#1 - 2015-09-21 16:09 - Rob Nahf

- Related to Bug #7363: CN.getLogRecords returns 0 result added