

EML - Bug #3096

Date data type (domain) need be handled correctly

01/23/2008 11:18 AM - Jing Tao

Status:	Resolved	Start date:	01/23/2008
Priority:	Normal	Due date:	
Assignee:	ben leinfelder	% Done:	0%
Category:	datamanager	Estimated time:	0.00 hour
Target version:	Unspecified	Spent time:	0.00 hour
Bugzilla-Id:	3096		
Description			
Currently, Date data type (domain) in EML document is treated as string in database system. This will cause some limitation in query operation to date data type.			

History

#1 - 02/29/2008 10:37 AM - ben leinfelder

Tried the first step which uses ISO standard format for dates in the EML metadata/data. postgres is pretty flexible when it comes to date formats, but I'd like to get it so that the formatString in the EML is used to set the format string that the DB table accepts. I think this is very doable...just have to figure out how.
and also implement it for HSQL database adaptor

#2 - 02/29/2008 04:50 PM - ben leinfelder

implemented datetime handling in both the Postgres and HSQLDB adaptors.
Uses the format string supplied in the EML for the attribute.

For the Postgres adaptor, the mapping of the format strings is straightforward, but for hsql I'm using the SimpleDateFormat to help parse the string into a date and the Java conventions are a tad different than ISO 8601 (what we are using in EML). I've included some manual conversions where there is no ambiguity (ie. uppercase Y to lowercase y). It is possible that we might encounter more discrepancies as more people use this feature.

This change also means that the format string becomes very important - there is case sensitivity lurking here and we cannot assume that "mm" (minute) really means "MM" (month). I'm sure there are many datapackages that have imperfect format strings.

#3 - 01/11/2010 11:53 AM - ben leinfelder

as a bug this is resolved - just a final note that format strings are crucial for datetime parsing to be accurate.

#4 - 03/27/2013 02:22 PM - Redmine Admin

Original Bugzilla ID was 3096