

EML - Bug #494

eml module changes needed for packaging changes

05/01/2002 05:54 PM - Matt Jones

Status:	Resolved	Start date:	05/01/2002
Priority:	Immediate	Due date:	
Assignee:	Matt Jones	% Done:	0%
Category:	eml - general bugs	Estimated time:	0.00 hour
Target version:	Beta9	Spent time:	0.00 hour
Bugzilla-Id:	494		

Description

Changes as decided upon at the Sevilleta EML meeting, April 24-25, 2002:
Responsible: Matt, Owen, Dan, Peter, Corinna

- 1) Revise the "eml" root module
- 2) Devise and implement a new packaging scheme using internal pointers rather than pointers across packages. Consider using Id/IDREF, or XLink. This will obviously be a major overhaul so needs to be carefully considered.
- 3) be sure to have an "any" content model element for appending arbitrary other modules

History

#1 - 05/17/2002 09:45 AM - Peter McCartney

I've attached this schema just so that everyone has a chance to see one option for eml.xsd. the assumptions made by this approach is that each module contains a base complex type that defines ALL the content for that module. All modules are included into the main schema (named datasetMerged here). a local element is created, set to extend one of the imported complex types, and then extended with other elements (either optional or repeating) that are in turn typed as other imported element types, and so on down the line.

This solution preserves the integrity of the individual modules but of course requires us to re-release a new eml.xsd each time we want to accomodate a new module. It does not solve ALL problems - but it does work well for those linkages that we want to handle by nesting (which i think could be the preferred way). To address other problems i would consider:

- 1) settling on either id-idref or required name elements as the method of relational pointing for situations where it cant be avoided (connections, foriegnKeys, etc)
- 2) for each major element that extends an imported complex type, add an optional, repeateable ANY element to allow non-eml content to be nested pretty much anywhere the user thinks its appropriate.
- 3) consider retaining the triple or xpointer for continued support for external referencing.

This is still a pretty big issue - we might want to consider a conference call to check where everyone's thinking is.

#2 - 06/14/2002 08:16 AM - Matt Jones

Packaging changed to be id attributes with references in key places in the document. the "eml" element is now a container for a single resource and additional metadata. FIXED.

#3 - 03/27/2013 02:14 PM - Redmine Admin

Original Bugzilla ID was 494

Files

datasetMerge.xsd	2.12 KB	05/17/2002	Peter McCartney
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