

Metacat - Bug #149

Need revision number to uniquely specify docid

09/22/2000 03:57 PM - Matt Jones

Status:	Resolved	Start date:	09/22/2000
Priority:	Immediate	Due date:	
Assignee:	Matt Jones	% Done:	0%
Category:	metacat	Estimated time:	0.00 hour
Target version:	Beta2	Spent time:	0.00 hour
Bugzilla-Id:	149		

Description

The xml_documents.docid field is currently used to store the metadata identifier for all xml documents. However, our revision system creates new versions of the document each time a UPDATE or DELETE is performed on the document. Consequently, we need a "revision number" field in the "xml_revisions" table in order to differentiate the various revisions. We also need a way of specifying the revision number in the various xml formats used to pass the metadata identifier, such as the meta_file_id fields, and in the eml-package specification.

Finally, this has implications for the use of the docid in uniquely specifying a document before and after it has been revised.

```
xml_documents.docid    xml_revisions.docid/rev
Old version            NCEAS:1                --
New version            NCEAS:1                NCEAS:1/1
```

So, in fact, when we refer to the old version as NCEAS:1 in a document, and then later revise it and refer to the revision as NCEAS:1, we are generating ambiguity.

This is closely tied to the lineage/version metadata issue that schild@nceas.ucsb.edu is tackling. See Bug #144.

History

#1 - 10/24/2000 05:18 PM - Matt Jones

Reassigned to jones because I agreed to look into the California Digital Library accession numbering scheme.

#2 - 01/03/2001 11:00 AM - Chad Berkley

The revision number for each document is tracked through the xml_documents and xml_revisions tables. A specific revision of a document can be returned by specifying the revision number as the last number in the accession number. If the revision number is omitted, the newest document is retrieved. For example: NCEAS.1.5 is the newest revision of a document. If I want to view the previous revision I can request document NCEAS.1.4. If I want the newest document I can request NCEAS.1 or NCEAS.1.newest.

When a query is performed the complete accession number including the revision is always returned.

#3 - 03/27/2013 02:13 PM - Redmine Admin

Original Bugzilla ID was 149