

Metacat - Bug #94

add DOM interface support to metacat

08/23/2000 10:23 AM - Matt Jones

Status:	Resolved	Start date:	08/23/2000
Priority:	Normal	Due date:	
Assignee:	Matt Jones	% Done:	0%
Category:	metacat	Estimated time:	0.00 hour
Target version:	Postpone	Spent time:	0.00 hour
Bugzilla-Id:	94		

Description

The current metacat database uses our proprietary API for accessing XML documents. It uses a memory-resident model, where each document is reconstructed from the database into a memory resident version, then returned to the client. This is inefficient. A more standards compliant approach would be to implement the DOM Level 2 interfaces on our persistent storage so that one could query and retrieve parts of the document from the database as needed. This "persistent DOM" would mean that applications could process large XML documents in a small memory footprint, because only the parts of the document needed at any given time would be in memory. The tradeoff would be performance, in that a new database query would need to be issued for most DOM API calls. Thus, we should keep our current API for downloading a document all at once as well (and maybe consider being able to fire a series of SAX events as an alternative to our current API).

History

#1 - 02/12/2002 04:03 PM - Matt Jones

Moved issues that we do not intend to address during the current release to the 'Postpone' milestone.

#2 - 03/30/2004 02:08 PM - Matt Jones

We're not going to make this change. Its a huge architectural change with little direct benefit.

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

Original Bugzilla ID was 94