

Metacat - Bug #2999

only one attribute per element returned with pathquery results

11/07/2007 10:14 AM - ben leinfelder

Status:	Resolved	Start date:	11/07/2007
Priority:	Normal	Due date:	
Assignee:	ben leinfelder	% Done:	0%
Category:	metacat	Estimated time:	0.00 hour
Target version:	1.8.1	Spent time:	0.00 hour
Bugzilla-Id:	2999		
Description			
when a path query requests that multiple attributes for the same element are returned, only one is actually present in the results.			
example: <returnfield>assessment/@assessmentTitle</returnfield> <returnfield>assessment/@assessmentId</returnfield>			
only @assessmentId is given in results.			

History

#1 - 11/07/2007 10:15 AM - ben leinfelder

Jing,

In regards to the bug where only one attribute per element is returned in a metacat pathquery, I found a fix that I want to run by you. I'm not sure if there was a reason that this limitation was coded, but it seems like an unreasonable thing to enforce.

In the method putInArray(...) I've commented out the for loop that checks if there is already an entry with the same parentId. This allows multiple ReturnFieldValues with the same parent to be included in the results. The method is only called on line 1178 of edu.ucsb.nceas.metacat.DBQuery in metacat. I've included it below (with my change).

Do you think this is an appropriate solution? I'll wait to check it into cvs until I hear back.

Thanks,
-ben

Method starting on line 1404:

```
/*
 * A method to put key and value in Vector
 */
private void putInArray(Vector parentidList, String key,
    ReturnFieldValue value)
{
    Vector tempVector = null;

    for (int count = 0; count < parentidList.size(); count++) {
        tempVector = (Vector) parentidList.get(count);
        if (key.compareTo((String) tempVector.get(0)) == 0) {
            tempVector.remove(1);
            tempVector.add(1, value);
            return;
        }
    }

    tempVector = new Vector();
    tempVector.add(0, key);
    tempVector.add(1, value);
    parentidList.add(tempVector);
    return;
}
```

```
}
```

#2 - 11/07/2007 10:29 AM - ben leinfelder

when looking at this fix, it's important to remember to clear out the xml_queryresult table since old results will be cached there.

i've been going one step further and clearing it all out with:

```
TRUNCATE table xml_returnfield cascade;
```

the cascade flows into xml_queryresult. it's squeaky clean after that!

#3 - 11/07/2007 11:40 AM - Jing Tao

<jing> hi, ben

<jing> I took a look and refreshed my memory.

<jing> The reason we did this is before our xml_nodes table only can handle 4000 characters for text data.

<jing> if a text node is more than 4000 characters, we split it into different row in xml_node table.

<jing> So that method will merge the splited node into one.

<jing> Since some old docs in knb production server are still stored in this way, we should keep the method as before.

#4 - 11/26/2007 04:06 PM - Jing Tao

Talked with ben and he suggested to move to 1.9 release.

#5 - 12/05/2007 12:57 PM - ben leinfelder

added change to handle ATTRIBUTE nodes differently than TEXT nodes so that all attributes of an element are returned in the resultset document.

also added code to concatenate large text elements that may have been split into separate nodes when stored in the xml_nodes table.

changed files:

metacat/src/edu/ucsb/nceas/metacat/DBQuery.java (rev 1.157)

metacat/src/edu/ucsb/nceas/metacat/QuerySpecification.java (rev 1.90)

#6 - 12/06/2007 12:52 PM - ben leinfelder

have tested on two local installs of metacat and am happy with what i see.

releasing it into the wild.

#7 - 03/27/2013 02:21 PM - Redmine Admin

Original Bugzilla ID was 2999