Metacat - Bug #916

bug with 'less-than' query when usng a number

11/20/2002 11:39 AM - Dan Higgins

Status:	Resolved		**Start date:**	11/20/2002
Priority:	Normal		**Due date:**	
Assignee:	Jing Tao		**% Done:**	0%
Category:	metacat		**Estimated time:**	0.00 hour
Target version:	1.3		**Spent time:**	0.00 hour
Bugzilla-Id:	916			

Description

When one uses the 'less-than' operator with a squery action and the comparison is made to a number (e.g. '<field> less-than 90'), the metacat system reports NO hits, even though there is data.

The query returned data on Jing's version of Metacat, however.

Problem can be reproduced when a field being compared to a number has string data that CANNOT be converted to a number. Error keeps metacat from retruning any hits rather than just skipping node with invalid string data!

History

#1 - 11/21/2002 12:14 PM - Jing Tao

The problem turns out that in nodedata fields which has path "southbc", "northbc", "westbc" and "eastbc" there are some records has characters and they caused the problem in casting to number.

According the suggestion from http://www.orafaq.com/error/ora-01722.htm, UPPER = LOWER was used to judge if it is a number. But it is not completed. For example, 1*88 is not number but its upper equals lower.

The query was applied to knb database through sqlplus, it worked well. This approach temptary solve the problem because in our database it desn't has record like 1*88.

I took a look in oracle book and didn't find any build-in function to judge a char string is a number. Does anyone have any idea?

#2 - 12/02/2002 11:28 AM - Matt Jones

How about using the oracle "TO_NUMBER" function to see if it is a number?

#3 - 12/02/2002 12:48 PM - Jing Tao

TO_NUMBER function will return a number data type rather than bealon type. So we couldn't use it in this way: "... AND TO_NUMBER(nodedata) AND ...". I tried to use it in this way: "...TO_NUMBER(nodedata) < 90.0 ..." in the query. But if the nodedata is a string, the query will still throw a sql error:
ORA-01722: invalid number

#4 - 01/10/2003 09:58 AM - Jing Tao

Changed code was installed in ecoinfo and it works fine.

#5 - 03/27/2013 02:15 PM - Redmine Admin

Original Bugzilla ID was 916