

Mulgara - Bug #2

"Multiple writers not supported" transactioning error occurs if reading and writing concurrently

06/27/2006 07:28 AM - stephen.bayliss -

Status:	Closed	Start date:	
Priority:	Immediate	Due date:	
Assignee:	Andrae Muys -	% Done:	0%
Category:	Mulgara	Estimated time:	0.00 hour
Target version:			
Resolution:	fixed		
Description			
<p>Errors while attempting to read and write to the same model, from different iTQL sessions.</p> <p>
</p> <p>
</p> <p>- Repeatedly load a file containing (eg) 5000 statements in one iTQL session, for example through an iTQL script</p> <p>
</p> <p>- concurrently, repeatedly issue queries from another iTQL session, eg used select \$s \$p \$o from &lt;rmi://localhost/server1#tranTest&gt; where \$s \$p \$o limit 100;</p> <p>
</p> <p>
</p> <p>Periodically the following error occurs:</p> <p>
</p> <p>
</p> <p>2006-06-22 13:15:24,839 ERROR [[StatementStoreXAResource]] - Attempting to prepare from different transaction. Multiple writers not supported</p> <p>
</p> <p>
</p> <p>2006-06-22 13:15:24,839 ERROR [[SubCoordinator]] - Got XAException from</p> <p>
</p> <p>resource.prepare: Cannot send</p> <p>
</p> <p>res.prepare:javax.transaction.xa.XAException (error code = -4) -null</p> <p>
</p>			

History

#1 - 08/29/2006 08:52 AM - stephen.bayliss -

Replicated this on the released version, Mulgara 1.0 (Sun Java 1.5.0_08, Intel).

#2 - 10/01/2006 03:11 PM - Paula Gearon

This problem is the result of a fix to an ACID problem. Currently the only way to avoid the error is to prevent a new transaction from being established. The ACID problem is described in http://mulgara.org/trac/ticket/19

#3 - 10/01/2006 03:12 PM - Paula Gearon

Perform as part of http://mulgara.org/trac/ticket/19

#4 - 10/03/2006 06:32 AM - Andrae Muys -

I've taken a closer look at this, and it may be a separate issue to MGR-19

. It appears to be related to concurrent calls to prepare() on [[StatementStoreXAResource]].

#5 - 10/26/2006 12:52 PM - stephen.bayliss -

Tested this again in revision [106](http://mulgara.org/trac/changeset/106)

. Looks like the problem is fixed, I can no longer reproduce. Good news!

(Java 1.5.0_09, AMD, Windows XP SP2)

#6 - 10/30/2006 12:42 AM - Andrae Muys -

Should be fixed in r106.

Please test and confirm.

#7 - 01/04/2007 12:32 AM - Andrae Muys -

Fix Confirmed