

Mulgara - Bug #203

Mulgara RMI Connection Issue

09/14/2009 06:23 PM - Joe Osowski -

Status:	New	Start date:	
Priority:	High	Due date:	
Assignee:	Paula Gearon	% Done:	0%
Category:	Mulgara	Estimated time:	0.00 hour
Target version:			
Resolution:			
Description			
<p>I'm seeing some strange behavior here when connecting to a remote mulgara server. It looks like we've got something misconfigured, but I haven't been able to nail it down yet.</p> <p>The ambra and mulgara instances that are installed on the same server and can talk to each other fine. But when I try to connect to this instance of mulgara from my development workstation, it just times out. I turned up the debug logging for mulgara and this is what I see:</p> <pre>2009-09-03 09:35:43,731 ERROR MulgaraXAResourceContext> Failed to create transaction [RMI TCP Connection(22)-10.135.2.71 org.mulgara.resolver.MulgaraXAResourceContext] org.mulgara.query.MulgaraTransactionException: Interrupted while waiting for write lock at org.mulgara.resolver.MulgaraTransactionManager.obtainWriteLock(MulgaraTransactionManager.java:97) at org.mulgara.resolver.MulgaraExternalTransactionFactory.createTransaction(MulgaraExternalTransactionFactory.java:93) at org.mulgara.resolver.MulgaraXAResourceContext\$MulgaraXAResource.start(MulgaraXAResourceContext.java:371) at org.mulgara.server.rmi.XAResourceWrapperRemoteXAResource.start(XAResourceWrapperRemoteXAResource.java:100)</pre> <p>I believe the interrupted exception is caused by the fact that I stopped my local ambra instance and the connection was closed. It appears to be waiting for a write lock for some reason.</p> <p>Strangely, when I start Mulgara with the webserver, RMI starts working as well. Turn off the web server, and I'm back to the same problem.</p> <p>Here are the parameters that I am passing Mulgara that enables RMI to work:</p> <pre>-r 8111 -t 8111 -p 8001 -u 8011 -o plosone-branch.plos.org -k plosone-branch.plos.org</pre> <p>Here are the params that we had before:</p> <pre>-r 8111 -t 8111 --nohttp</pre>			