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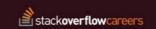
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Neo4j log rotation server stops responding





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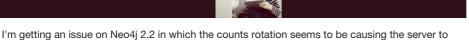
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stop responding to requests. My graph has approximately 50M nodes and 100M relationships. I've attached the relevant log.

Once the rotation occurs, the server will no longer handle any more requests and I can no longer navigate to the web management page. What actually happens in the counts store rotation?

Eventually I have to restart the server. This always results in a forced shutdown and then it takes a long time to restart because the log indicates: "Recovery required for log with version 1361"

Thank you.

2015-03-31 11:15:17.576+0000 WARN [o.n.k.EmbeddedGraphDatabase]: GC Monitor: Application threads blocked for 313ms.							
2015-03-31 11:16:54.197+0000 WARN [o.n.k.EmbeddedGraphDatabase]: GC Monitor: Application threads blocked for 2326ms.							
2015-03-31 11:16:56.150+0000 WARN [o.n.k.EmbeddedGraphDatabase]: GC Monitor: Application threads blocked for 810ms.							
2015-03-31 11:17:00.609+0000 WARN [o.n.k.EmbeddedGraphDatabase]: GC Monitor: Application threads blocked for 717ms.							
2015-03-31 11:24:41.160+0000 WARN [o.n.k.EmbeddedGraphDatabase]: GC Monitor: Application threads blocked for 217ms.							
2015-03-31 11:25:57.455+0000 WARN [o.n.k.EmbeddedGraphDatabase]: GC Monitor: Application threads blocked for 4144ms.							
2015-03-31 11:25:58.791+0000 WARN [o.n.k.EmbeddedGraphDatabase]: GC Monitor: Application threads blocked for 916ms.							
2015-03-31 11:26:16.427+0000 WARN [o.n.k.EmbeddedGraphDatabase]: GC Monitor: Application threads blocked for 1092ms.							
2015-03-31 11:54:50.907+0000 WARN [o.n.k.EmbeddedGraphDatabase]: GC Monitor: Application threads blocked for 340ms.							
2015-03-31 11:58:46.750+0000 WARN [o.n.k.EmbeddedGraphDatabase]: GC Monitor: Application threads blocked for 13138ms.							
2015-03-31 11:58:48.771+0000 WARN [o.n.k.EmbeddedGraphDatabase]: GC Monitor: Application threads blocked for 1498ms.							
2015-03-31 11:59:45.124+0000 WARN [o.n.k.EmbeddedGraphDatabase]: GC Monitor: Application threads blocked for 1667ms.							
2015-03-31 12:26:19.560+0000 WARN [o.n.k.EmbeddedGraphDatabase]: GC Monitor: Application threads blocked for 1496ms.							
2015-03-31 12:26:22.975+0000 WARN [o.n.k.EmbeddedGraphDatabase]: GC Monitor: Application threads blocked for 611ms.							
2015-03-31 13:25:03.431+0000 WARN [o.n.k.EmbeddedGraphDatabase]: GC Monitor: Application threads blocked for 296ms.							
2015-03-31 13:58:00.873+0000 INFO [o.n.k.NeoStoreDataSource]: Rotating log version:1361							
2015-03-31 13:58:00.873+0000 INFO [o.n.k.LogRotationImpl]: Log Rotation [1361]: Awaiting all transactions closed							
2015-03-31 13:58:00.874+0000 INFO [o.m.k.i.s.StoreFactory]: Waiting for all transactions to close							
committed: out-of-order-sequence:26128427 [26128421]							
closed: out-of-order-sequence:26128427 [26128421]							
2015-03-31 13:58:00.897+0000 INFO [o.n.k.LogRotationImpl]: Log Rotation [1361]: Starting store flush							
2015-03-31 13:58:01.625+0000 INFO [o.n.k.i.s.StoreFactory]: About to rotate counts store at transaction 26128428 to [/datadrive/neo4jdata/neo4j 2.2/data							
/graph.db/neostore.counts.db.b], from [/datadrive/neo4jdata/neo4j 2.2/data/graph.db/neostore.counts.db.a].							
2015-03-31 13:58:01.626+0000 INFO [o.n.k.i.s.StoreFactory]: Successfully rotated counts store at transaction 26128428 to [/datadrive/neo4jdata/neo4j 2.2							
/data/graph.db/neostore.counts.db.b], from [/datadrive/neo4jdata/neo4j 2.2/data/graph.db/neostore.counts.db.a].							
root@prodgrphkickoff:~# cd							

[edit]

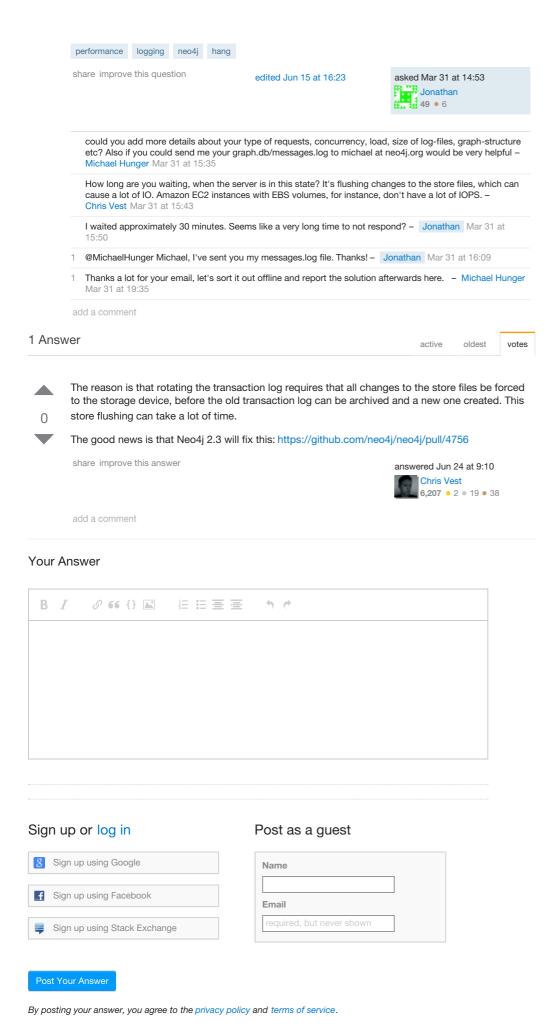
I've added more detail about the size of the various neo4j files, including log file sizes:

total 7173976	
drwxr-xr-x 3 root root	
-rw-rr 1 root root	
-nw-rr 1 root root	
-nv-rr 1 root root	
-nv-rr 1 root root	
-rw-rr 1 root root	
-nv-rr 1 root root	
-rw-rr 1 root root	
-nw-rr 1 root root	
-rw-rr 1 root root	9 Mar 31 15:52 neostore.nodestore.db.labels.id
-rw-rr 1 root root	
-py-rr 1 root root	
-rw-rr 1 root root	9 Mar 31 15:52 neostore.propertystore.db.id
-rw-rr 1 root root	
-rw-rr 1 root root	
-nw-rr 1 root root	
-rw-rr 1 root root	
-nv-rr 1 root root	2970306680 Mar 31 15:52 neostors, relationshipstore, do 1 no
-nv-rr 1 root root	
-rw-rr 1 root root	9 Mar 31 15:52 neostore relationshiptypestore db.id
-nw-rr 1 root root	
-nw-rr 1 root root	
-nv-rr 1 root root	
-py-rr 1 root root	
-rw-rr 1 root root	
-rw-rr 1 root root	
-rw-rr 1 root root -rw-rr 1 root root	
-rw-rr 1 root root	
-nv-rr 1 root root	
-rw-rr 1 root root	
-nw-rr 1 root root	
-nw-rr 1 root root	
-nv-rr 1 root root	
-py-rr 1 root root	4819361 Mar 29 18:15 neostore transaction db. 1355
-rw-rr 1 root root	246668 Mar 29 18:21 neostore.transaction.db.1356
-rw-rr 1 root root	
-nv-rr 1 root root	
-rw-rr 1 root root	
-nw-rr 1 root root	
-rw-rr 1 root root	495432 Mar 31 15:44 neostore.transaction.db.1362
-rw-rr 1 root root	
-rw-rr 1 root root	2022220 Mar 31 15:53 rrd

[edit 06-15-2015]

Attached is a recent jstack file that display the blocked threads. Additionally, I've included a vmstat file.

Jstack file VMStat file



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- Neo4j randomly shutting down
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