

Getting Lucene write lock errors

2 posts by 2 authors 



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I am running tomcat7 on ubuntu and have written a servlet program, that executes a simple create nodes function using java embedded APIs, when I call a specific url.

The problem that I face is that often when I call the url, I get a lucene write lock error, check the stack trace here: <https://gist.github.com/niranjan-uma-shankar/20e26edaf205c4f97b04>

messages.log has this to say:

```
Startup failed: Component 'org.neo4j.kernel.impl.transaction.XaDataSourceManager@71a60d09' was
successfully initialized, but failed to start. Please see attached cause exception.: Component
'org.neo4j.kernel.impl.nioneo.xa.NeoStoreXaDataSource@611fd81f' was successfully initialized, but failed to
start. Please see attached cause exception.: Component 'org.neo4j.kernel.api.impl.
index.LuceneLabelScanStore@4fd5db0b' failed to initialize. Please see attached cause exception.: Lock
obtain timed out: NativeFSLock@/var/lib/neo4j-community-2.1.7/data/graph.db/
schema/label/lucene/write.lock
```

My guess is that the following line in my code is the root cause of the error:

```
graphDb = new GraphDatabaseFactory().newEmbeddedDatabase( DB_PATH );
```

Maybe Tomcat doesn't have the appropriate permissions to write to neo4j db path? I noticed that the graph.db directory was getting created with user and group permissions as tomcat7. So, I changed /etc/default/tomcat7 to have the following properties (the default values where tomcat7 for user and group) and restarted tomcat7 process:

```
# Run Tomcat as this user ID. Not setting this or leaving it blank will use the
```

```
# default of tomcat7.
```

```
TOMCAT7_USER=ubuntu
```

```
# Run Tomcat as this group ID. Not setting this or leaving it blank will use
```

```
# the default of tomcat7.
```

```
TOMCAT7_GROUP=ubuntu
```

I still don't have luck. Any clues on why the write lock errors are showing up?



Michael Hunger

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Just make sure that everything under

```
/var/lib/neo4j-community-2.1.7/data/graph.db
```

has read and write permissions for the user you start tomcat with.

Perhaps this helps?

<http://stackoverflow.com/a/20523687/728812>

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