

Ten. Million. Questions. Let's celebrate [all we've done together](#).

Stack Overflow is a question and answer site for professional and enthusiast programmers. It's 100% free.

[Take the 2-minute tour](#)


Neo4j TransactionFailureException: Transaction was marked as successful, but unable to commit transaction so rolled back

asked 4 months ago

viewed 411 times

▲
1



I recently upgraded Neo4j from version 2.1.7 to 2.2.0 on Windows Server 2012 R2. I have been running my data collection scripts that load into the database using the following cypher command in a .cql text file:

```

USING PERIODIC COMMIT
LOAD CSV WITH HEADERS FROM
  'file:X:\\parsed\\TOI\\0031\\node_full_statuses.csv'
  AS line
MERGE (ts:TwitterStatus {id: toInt(line.id)})
ON CREATE SET ts.id_str = line.id_str, ts.timestamp = toInt(line.timestamp),
  ts.created_at = line.created_at, ts.favorites_count = toInt(line.favorite_cou
  ts.lang = line.lang, ts.source = line.source, ts.retweet_count = toInt(line.r
  ts.text = line.text, ts.truncated = line.truncated
ON MATCH SET ts.id_str = line.id_str, ts.timestamp = toInt(line.timestamp), ts.la
  ts.created_at = line.created_at, ts.favorites_count = toInt(line.favorite_cou
  ts.lang = line.lang, ts.source = line.source, ts.retweet_count = toInt(line.r
  ts.text = line.text, ts.truncated = line.truncated;
  
```

This had been working without any errors in 2.1.7. Now when I use the same command:


```
PS C:\neo4j-enterprise-2.2.0\bin> .\Neo4jShell.bat -file X:\parsed\NDTV\0031\load
```

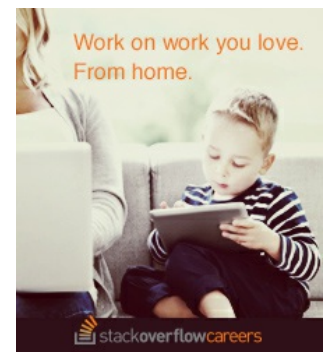
I get the following exception:

```

ERROR (-v for expanded information):
TransactionFailureException: Transaction was marked as successful, but unab
org.neo4j.graphdb.TransactionFailureException: Transaction was marked as succes
at org.neo4j.kernel.TopLevelTransaction.close(TopLevelTransaction.java:126)
at org.neo4j.cypher.internal.spi.v2_2.TransactionBoundQueryContext.commitAn
at org.neo4j.cypher.internal.compiler.v2_2.spi.DelegatingQueryContext.commit
at org.neo4j.cypher.internal.compatibility.ExceptionTranslatingQueryContext
at org.neo4j.cypher.internal.compatibility.ExceptionTranslatingQueryContext
at org.neo4j.cypher.internal.compatibility.ExceptionTranslatingQueryContext
at org.neo4j.cypher.internal.compatibility.ExceptionTranslatingQueryContext
at org.neo4j.cypher.internal.compiler.v2_2.spi.DelegatingQueryContext.commit
at org.neo4j.cypher.internal.compiler.v2_2.executionplan.LoadCsvPeriodicCom
at org.neo4j.cypher.internal.compiler.v2_2.executionplan.UpdateCounter.rese
at org.neo4j.cypher.internal.compiler.v2_2.executionplan.LoadCsvPeriodicCom
at org.neo4j.cypher.internal.compiler.v2_2.executionplan.LoadCsvPeriodicCom
at org.neo4j.cypher.internal.compiler.v2_2.executionplan.LoadCsvIterator.ne
at org.neo4j.cypher.internal.compiler.v2_2.executionplan.LoadCsvIterator.ne
at scala.collection.Iterator$$anon$11.next(Iterator.scala:328)
at scala.collection.Iterator$$anon$13.next(Iterator.scala:372)
at scala.collection.Iterator$$anon$13.hasNext(Iterator.scala:371)
at org.neo4j.cypher.internal.compiler.v2_2.pipes.EmptyResultPipe.internalCr
at org.neo4j.cypher.internal.compiler.v2_2.pipes.PipeWithSource.createResul
at org.neo4j.cypher.internal.compiler.v2_2.executionplan.DefaultExecutionRe
at org.neo4j.cypher.internal.compiler.v2_2.executionplan.DefaultExecutionRe
at org.neo4j.cypher.internal.compiler.v2_2.executionplan.ExecutionPlanBuild
at org.neo4j.cypher.internal.compiler.v2_2.executionplan.ExecutionPlanBuild
  
```

Blog




 [Why Stack Overflow is a Good Workplace for Women](#)



Related

- 5 PDO: Transactions don't roll back?
- 5 Transactions in MySQL - Unable to Roll Back
- 1 JTA transaction unexpectedly rolled back (maybe due to a timeout); nested exception is javax.transaction.RollbackException
- 0 Spring : Transactions not rolling back
- 1 MySQL nested transactions - not rolling back
- 3 Transaction not rolling back in c#
- 1 PetaPoco transaction not rolling back
- 0 MYSQL Transaction not rolled back
- 0 neo4j transaction not rolling back
- 0 Neo4j - transactions rolled back

Hot Network Questions

-  [Seven overlapping circles](#)
-  [`cond` with less redundancy](#)
-  [An "outside the box" sequence](#)

```

at org.neo4j.cypher.internal.compiler.v2_2.executionplan.ExecutionPlanBuild
at org.neo4j.cypher.internal.compatibility.CompatibilityFor2_2$ExecutionPlan
at org.neo4j.cypher.internal.compatibility.CompatibilityFor2_2$ExecutionPlan
at org.neo4j.cypher.internal.compatibility.exceptionHandlerFor2_2$.runSafe
at org.neo4j.cypher.internal.compatibility.CompatibilityFor2_2$ExecutionPlan
at org.neo4j.cypher.internal.PreparedPlanExecution.execute(PreparedPlanExec
at org.neo4j.cypher.ExecutionEngine.execute(ExecutionEngine.scala:107)
at org.neo4j.cypher.ExecutionEngine.execute(ExecutionEngine.scala:101)

```

I find this very strange because when I used the merge command before I did not get any errors from duplicates (id and id_str are unique constraints). This seems to say that it is a PreexistingIndexEntryConflictException that is causing the rollback.

If I run the command line command again I get a different exception:

```

PS C:\neo4j-enterprise-2.2.0\bin> .\Neo4jShell.bat -file X:\parsed\NDTV\0031\lo
ERROR (-v for expanded information):
QueryExecutionKernelException: Node 58109560 already exists with label Twit
org.neo4j.kernel.impl.query.QueryExecutionKernelException: Node 58109560 alread
at org.neo4j.cypher.javacompat.internal.ServerExecutionEngine.executeQuery(
at org.neo4j.shell.kernel.apps.cypher.Start.getResult(Start.java:86)
at org.neo4j.shell.kernel.apps.cypher.Using.getResult(Using.java:53)
at org.neo4j.shell.kernel.apps.cypher.Start.exec(Start.java:68)
at org.neo4j.shell.kernel.apps.TransactionProvidingApp.execute(TransactionP
at org.neo4j.shell.impl.AbstractAppServer.interpretLine(AbstractAppServer.j
at org.neo4j.shell.kernel.GraphDatabaseShellServer.interpretLine(GraphData
at org.neo4j.shell.impl.RemotelyAvailableServer.interpretLine(RemotelyAvail
at sun.reflect.GeneratedMethodAccessor90.invoke(Unknown Source)
at sun.reflect.DelegatingMethodAccessorImpl.invoke(Unknown Source)
at java.lang.reflect.Method.invoke(Unknown Source)
at sun.rmi.server.UnicastServerRef.dispatch(Unknown Source)
at sun.rmi.transport.Transport$1.run(Unknown Source)
at sun.rmi.transport.Transport$1.run(Unknown Source)
at java.security.AccessController.doPrivileged(Native Method)
at sun.rmi.transport.Transport.serviceCall(Unknown Source)
at sun.rmi.transport.tcp.TCPTransport.handleMessages(Unknown Source)
at sun.rmi.transport.tcp.TCPTransport$ConnectionHandler.run0(Unknown Source)
at sun.rmi.transport.tcp.TCPTransport$ConnectionHandler.lambda$run$254(Unkn
at sun.rmi.transport.tcp.TCPTransport$ConnectionHandler$$Lambda$2/142708126
at java.security.AccessController.doPrivileged(Native Method)
at sun.rmi.transport.tcp.TCPTransport$ConnectionHandler.run(Unknown Source)
at java.util.concurrent.ThreadPoolExecutor.runWorker(Unknown Source)
at java.util.concurrent.ThreadPoolExecutor$Worker.run(Unknown Source)
at java.lang.Thread.run(Unknown Source)
Caused by: org.neo4j.cypher.CypherExecutionException: Node 58109560 already exi
at org.neo4j.cypher.internal.compatibility.ExceptionTranslatingQueryContext
at org.neo4j.cypher.internal.compatibility.ExceptionTranslatingQueryContext
at org.neo4j.cypher.internal.compiler.v2_2.spi.UpdateCountingQueryContext$C
at org.neo4j.cypher.internal.compiler.v2_2.mutation.PropertySetAction.exec(
at org.neo4j.cypher.internal.compiler.v2_2.mutation.MergeNodeAction$$anonfu
at org.neo4j.cypher.internal.compiler.v2_2.mutation.MergeNodeAction$$anonfu
at scala.collection.immutable.List.foreach(List.scala:318)

```

This is a transaction at the start of the 1000 line commit cycle. All 1000 lines are in the database. (I have removed them individually and get the same Exception and the nodeID increases by 1) I need to remove the 1000 lines of the commit cycle that the initial bad transaction was in to get the script to move forward.

My question is: Is there a way to fix this so that the merge works correctly without getting this weird exception on a transaction that Neo4j says looks good but it won't commit?

I do not think my work around is very good and would appreciate any advise.






















exception transactions neo4j rollback

share improve this question

asked Mar 30 at 1:54

Vincent J Ercolani

6 ● 2

-  Can a Glaive be stowed in a Ruby Scabbard?
-  Dullness vs. going overboard: Should I be calling people 'enfants terribles' in an academic paper?
-  How to ask dumb questions
-  Where did the nickname of 'Bones' for McCoy come from?
-  How does java.util.EnumSet<E> work?
-  Is Let us = Let's?
-  Proving that all integers are even or odd
-  A short, brutal riddle
-  Would allowing shorter passwords sometimes be more secure?
-  Is "user-select: none" bad UX?
-  Scraping High-Res image tiles from the MoMA website
-  Name for a device purposefully put together from faulty parts
-  Compact way of writing (a + b == c or a + c == b or b + c == a)
-  Make subscript size smaller (always)
-  Do companies only pay dividends if they are in profit?
-  Important formulas in Combinatorics
-  Draw horizontal lines like open and close brackets
-  Construct a polynomial with given roots
-  ¿Puede "hopefully" traducirse como "ojalá"?
-  Carrying a handgun in other countries with a US concealed carry permit
-  The Hiding Rules Contradict Themselves. What Can I Make Of This?

Would you be able to share your source file and the index/constraint creation commands you used on the db? Was the db created with 2.2 or upgraded from 2.1.7 Would it be possible to share your graph.db/messages.log ? – [Michael Hunger](#) Mar 30 at 7:25

The commands I used for the indexes were: `CREATE CONSTRAINT ON (tweet:TwitterStatus) ASSERT tweet.id IS UNIQUE; CREATE CONSTRAINT ON (tweet:TwitterStatus) ASSERT tweet.id_str IS UNIQUE; CREATE INDEX ON :TwitterStatus(timestamp);` The database was created in a previous version of neo4j (pre 2.1.7) and upgraded to 2.2. The source file is 5MB and 16815 lines long and I will need to know where to send it and the messages.log file. – [Vincent J Ercolani](#) Mar 30 at 8:31

please send it to michael at neo4j.org – [Michael Hunger](#) Mar 31 at 13:25

[add a comment](#)

Know someone who can answer? Share a link to this [question](#) via [email](#), [Google+](#), [Twitter](#), or [Facebook](#).

Your Answer

B

I

Sign up or [log in](#)

Sign up using Google

Sign up using Facebook

Sign up using Stack Exchange

Post as a guest

Name

Email

required, but never shown

Post Your Answer

By posting your answer, you agree to the [privacy policy](#) and [terms of service](#).

Browse other questions tagged [exception](#) [transactions](#) [neo4j](#) [rollback](#) or [ask your own question](#).

[question feed](#)

[tour](#) [help](#) [blog](#) [chat](#) [data](#) [legal](#) [privacy policy](#) [work here](#) [advertising info](#) [mobile](#) [contact us](#) [feedback](#)

TECHNOLOGY

- Stack Overflow
- Server Fault
- Super User
- Web Applications
- Ask Ubuntu
- Webmasters
- Game Development
- TeX - LaTeX
- Programmers
- Unix & Linux
- Ask Different (Apple)
- WordPress Development
- Geographic Information Systems
- Electrical Engineering
- Android Enthusiasts
- Information Security
- Database Administrators
- Drupal Answers
- SharePoint
- User Experience
- Mathematica
- Salesforce
- ExpressionEngine® Answers
- more (13)

LIFE / ARTS

- Photography
- Science Fiction & Fantasy
- Graphic Design
- Movies & TV
- Seasoned Advice (cooking)
- Home Improvement
- Personal Finance & Money

CULTURE / RECREATION

- English Language & Usage
- Skeptics
- Mi Yodeya (Judaism)
- Travel
- Christianity
- Arqade (gaming)
- Bicycles
- Role-playing Games

SCIENCE

- Mathematics
- Cross Validated (stats)
- Theoretical Computer Science
- Physics
- MathOverflow
- Chemistry
- Biology
- more (5)

OTHER

- Stack Apps
- Meta Stack Exchange
- Area 51
- Stack Overflow Careers

information security [more \(16\)](#)

Academia

[more \(21\)](#)

[more \(9\)](#)