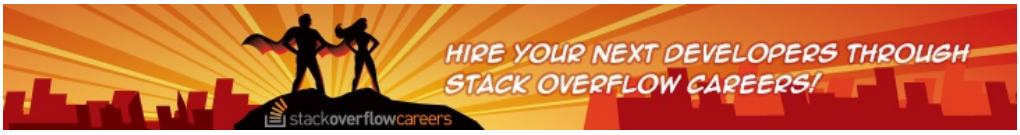
neo4j transaction not rolling back



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I am using neo4j 2.1.7 with java.

```
try(Transaction transaction = this.graphDatabaseService.beginTx())
{
    Node user = this.graphDatabaseService.createNode();
    user.setProperty("userId", userId);
    transaction.failure();
}
```

So I am getting the object of GraphDatabaseService and creating a new transaction and marking it to rollback. According to their javadocs:

> **void failure()**
>
> Marks this transaction as failed, which means that it will unconditionally be rolled back when close() is called. Once this method has been invoked, it doesn't matter if success() is invoked afterwards -- the transaction will still be rolled back.

But I see that the node gets created no matter what. I tried `throwing an exception`. I also tried `not calling transaction.success()` at all. Still I see that the changes get committed and not rolled back. I am not sure of this behaviour and would like an explanation. Thanks.

If you must know, I am trying to build a commit() function with nested transactions such that if any operation fail within the inner transactions, the parent transaction must fail too. However, in the process I found that no matter what I do, the transactions are getting committed.

Update 1:

The embedded version of neo4j works fine. The rest version is causing this trouble. I am using this package for rest:

```
<dependency>
    <groupId>org.neo4j</groupId>
    <artifactId>neo4j-rest-graphdb</artifactId>
    <version>2.0.1</version>
</dependency>
```

java transactions neo4j

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edited Mar 28 at 17:10

asked Mar 28 at 16:19
Rash
818 ● 1 ● 6 ● 17

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No transactions over REST, at least not for that old version.

There are only transactions over HTTP with the new Cypher Endpoint.

That library is discontinued, I recommend that you use e.g. the JDBC driver or the new implementation that comes with Spring Data REST.

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answered Mar 28 at 18:16

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Michael Hunger
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Hi. I was studying neo4j-jdbc code and I am having trouble understanding how to do a batch transaction. I am reluctant on using spring because I don't have a POJO model. I just need to run some queries and get the results in simple datatypes - No overhead of ORM type tools. Also JDBC vs Spring, which one would be more updated with Neo4j. I am thinking to moving to 2.2 version and in future I would move to a new version as soon as they become available. – Rash Mar 29 at 3:48

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