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## Can't delete node using Neo4j + Spring Data for Neo

asked 4 months ago

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I have added delete functionality for simple kind of node in my application

```
public class Vote extends BaseEntity {  
    @GraphId  
    private Long id;  
  
    @RelatedTo(type = VOTED_FOR, direction = Direction.OUTGOING)  
    private Decision decision;  
  
    @RelatedTo(type = VOTED_ON, direction = Direction.OUTGOING)  
    private Criterion criterion;  
  
    @RelatedTo(type = CREATED_BY, direction = Direction.OUTGOING)  
    private User author;  
}
```

Also, some other node entities having incoming relation to Vote

Delete query looks like this

```
"MATCH ()-[r]-(v:Vote) WHERE id(v) = {voteId} DELETE r,v"
```

When you doing delete all goes fine, no exception, when i trying to find all vote nodes from node entity referenced this vote before delete, result is as expected all votes except one i deleted are returned

But when i trying to find deleted vote by id i get not expected exception

```
java.lang.IllegalStateException: No primary SDN label exists .. (i.e one starting wi
```

Find work ok for other nodes, Probably it is related to SDN I don't know

Seems like I don't know how properly delete node or something, please help

neo4j cypher spring-data-neo4j

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edited Jul 3 at 14:39



Brian Tompsett - 汤莱恩  
2,241 ● 9 ● 14 ● 42

asked Apr 6 at 10:11



Fagoter  
172 ● 1 ● 2 ● 13

Don't understand your questy, why don't you use repository.delete() or template.delete ? Also what do you mean with "But when i trying to find deleted vote by id i get not expected exception" – [Michael Hunger](#) Apr 6 at 10:42

1. I'm not using repository delete cos I want predict all dependencies and relatetions delete as well, or i can effectively use something like cascading? 2. So i successfully deleted vote using my query, after i checking in my test to find vote i deleted by its id, i expect to have something like null result or NotFoundException but i getting java.lang.IllegalStateException: No primary SDN label exists .. (i.e one starting with \_) – [Fagoter](#) Apr 6 at 11:45

It should automatically delete all rels as well but no transitive cascading. – [Michael Hunger](#) Apr 7 at 22:28

Something breaks in your stuff, that removes labels from your nodes. – [Michael Hunger](#) Apr 7 at 22:28

Possible this query is deleting too much? I see in cypher query executor that among Vote nodes, neo has \_Vote nodes? why they appear? Any ideas? possible some functionality of SDN – [Fagoter](#) Apr 8 at 23:21

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