

TransactionData is broken in 2.2.3 and 2.3-M02. RelationshipTypes of changed and deleted relationships are incorrect. #4910

Open

bachmanm opened this issue 13 days ago · 1 comment



bachmanm commented 13 days ago

```
@Test
public void demonstrateBug() {
    GraphDatabaseService db = new TestGraphDatabaseFactory().newImpermanentDatabase();

    db.execute("CREATE (m:Person {name:'Michal'})-[:FRIEND_OF]->(l:Person {name:'Luanne'}), " +
        "(m)-[:LIVES_IN {since:2010}]->(c:City {name:'London'})");

    final Set changedRelationships = new HashSet<>();

    db.registerTransactionEventHandler(new TransactionEventHandler.Adapter() {
        @Override
        public Void beforeCommit(TransactionData data) throws Exception {
            for (PropertyEntry entry : data.assignedRelationshipProperties()) {
                changedRelationships.add(entry.entity().getType().name());
            }

            return null;
        }
    });

    db.execute("MATCH (m:Person {name:'Michal'})-[r:LIVES_IN]->() SET r.since = 2009");

    assertEquals(1, changedRelationships.size());
    assertTrue(changedRelationships.contains("LIVES_IN")); //fails, contains FRIEND_OF!!!
}

@Test
public void demonstrateBug2() {
    final GraphDatabaseService db = new TestGraphDatabaseFactory().newImpermanentDatabase();

    db.execute("CREATE (m:Person {name:'Michal'})-[:FRIEND_OF]->(l:Person {name:'Luanne'}), " +
        "(m)-[:LIVES_IN {since:2010}]->(c:City {name:'London'})");

    final Set deletedRelationships = new HashSet<>();

    db.registerTransactionEventHandler(new TransactionEventHandler.Adapter() {
        @Override
        public Void beforeCommit(TransactionData data) throws Exception {
            for (Relationship r : data.deletedRelationships()) {
                deletedRelationships.add(r.getType().name());
            }

            return null;
        }
    });

    db.execute("MATCH (m:Person {name:'Michal'})-[r:LIVES_IN]->() DELETE r");
```

New issue

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None yet

Milestone

No milestone

Assignee

No one assigned

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2 participants



```
assertEquals(1, deletedRelationships.size());
assertTrue(deletedRelationships.contains("LIVES_IN")); //fails, contains FRIEND_OF!!!
}
```

 **bachmanm** changed the title from **TransactionData is broken in 2.2.3 and 2.3-M02. RelationshipTypes are mixed up.** to **TransactionData is broken in 2.2.3 and 2.3-M02. RelationshipTypes of changed relationships are mixed up.** 13 days ago

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cleishm commented 9 days ago


Owner

Hi **@bachmanm**,

Thanks for raising this. I'll triage it to our team.

Cheers,
Chris

 **davidegrohmann** referenced this issue from a commit in `davidegrohmann/neo4j` 8 days ago

 Build up correct TransactionData for relationships ... fa72500

 **davidegrohmann** referenced this issue from a commit in `davidegrohmann/neo4j` 8 days ago

 Load correct TransactionData for modified/deleted relationships ... 9921662



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