Create Link failure

5 posts by 2 authors

Andreas Dernbauer　　　　Apr 15

I tried to connect to graphs by using a Bridge table

MATCH (a:dwhElement),(b:aifElement),(c:dwh2aif)
where a.ElementID = c.dwhElementID and c.aifElementID = b.ElementID
CREATE (a)-[r:dwh_FEEDS_aif]->(b)
return r;

After at least one hour I got as result uknown error,

MATCH (a:dwhElement)
return count(a);
returns 3842 rows

MATCH (a:aifElement)
return count(a);
returns 938 rows

MATCH (a:dwh2aif)
return count(a);
returns 2755 rows

MATCH (a:dwhElement),(b:dwh2aif)
where a.ElementID = b.dwhElementID
return count(a),count(b);
count(a) = 2755
count(b) = 2755

Any Ideas ?

Thank you

Andreas Dernbauer　　　　Apr 15

If I run that query with access DB I got a result back in 1 second
SELECT dwhElement.dwhSysID, dwhElement.dwhStructID, dwhElement.dwhElementName,
aifElement.aifElememtID, aifElement.aifSysID, aifElement.aifStructID, aifElement.aifElementName
FROM (dwhElement INNER JOIN dwh2aif ON dwhElement.dwhElememtID = dwh2aif.dwhElementID)
INNER JOIN aifElement ON dwh2aif.aifElementID = aifElement.aifElememtID;
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Michael Hunger　　　　Apr 15

I think you just create a cross product here. **3842* 938* 2755**

try this

create index on :dwhElement(ElementID);
create index on :aifElement(ElementID);

```
MATCH (c:dwh2aif)
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match (a:dwhElement)

```
where a.ElementID = c.dwhElementID
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match (b:aifElement)

```
WHERE c.aifElementID = b.ElementID
CREATE (a)-[r:dwh_FEEDS_aif]->(b)
return r;
```

you can look at your query plan if you prefix your query with EXPLAIN or PROFILE (also runs it)

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Andreas Dernbauer   Apr 15

Hi Michael

Thank you for you answer, I created indexes of course without any success.

I tried explain but I got back

```
neo4j-sh (?)$ EXPLAIN match(a: dwhSystem) return a;
==> Unknown command 'explain'
neo4j-sh (?)$
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Michael Hunger   Apr 15

Which Neo4j version are you using? Explain is only in 2.2 ?

For previous versions use PROFILE.

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