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

Trying a single Neo4j Cypher query for my graph







I have "users" who owns "items", users are also friends w/ each other. I am trying to construct a cypher query to return all items I own PLUS those my friends own in a single query. I can do them individually but can't figure out how to do it in a single query.



RELATIONSHIPS:



(u:user)-[:OWNS]-(i:items) (u:user)-[:FRIEND]-(f:user)

Let's say I have just two users in my DB and 100 items. Out of 100, the first person owns (1-5) 5 items and the 2nd person owns another 5 items(6-10). These two users are also friends.

I get 5 items if I do:

MATCH (uer1)-[:OWNS]->(i:items) return i

I get another 5 items if I do:

MATCH (uer1)-[:FRIEND]->(f)-[:OWNS]->(i:items) return i

But I need to combine them both for a given user(user1) so I can return all 10 items in a single shot. How to do that?

neo4j cypher

share improve this question

asked Mar 31 at 23:20 Raia Rao **1.124** • 9 • 16

active

oldest

votes

add a comment

1 Answer

You have two (or more options)



Union



MATCH (user:User {name:"Raja"})-[:OWNS]->(i:Item) return i



MATCH (user:User {name:"Raja"})-[:FRIEND]->(f)-[:OWNS]->(i:Item) return i

Variable length paths

MATCH (user:User {name:"Raja"})-[:FRIEND*0..1]->(f)-[:OWNS]->(i:Item) return i

in this case we look at friends of the distance 0 (the user itself) to one (first degree friends)

The first option might be faster The second is more versatile.

share improve this answer

answered Mar 31 at 23:35



Thanks for quick response! Both answers are great! 2.2 browser doesn't show time-taken anymore so not sure which one is faster. - Raja Rao Mar 31 at 23:53

asked 4 months ago

viewed 25 times

active 4 months ago

Blog

Why Stack Overflow is a Good Workplace for Women

Related

- 1 How do I provide multiple queries in Neo4j Cypher?
- 1 neo4j cypher query filter specific relation
- 1 Neo4j cypher query with variable relationship path lenath
- 6 slow neo4j cypher query
- 0 Neo4J two way relationship query with cypher
- 0 Neo4j cypher query simulate sql join query
- 0 The magic behind Neo4J Cypher query results
- 0 Performance in Neo4j cypher query
- 1 Neo4j cypher query performance when ordering a large data set
- 2 Finding path using Cypher queries in neo4j

Hot Network Questions

- Why do tenured professors still publish in pay-walled venues?
- The Hiding Rules Contradict Themselves. What Can I Make Of
- The Programming Language Quiz
- Which type of drill bit for which jobs?
- What is aliasing and what causes it?
- we Could an autotrophic civilisation develop, or will evolving life forms always eat each other?
- Can a Glaive be stowed in a Ruby
- () Make subscript size smaller (always)
- Preventing a Print expression from generating a new cell each time it executed
- Religion After the Discovery of a

Your Answer



Does developing on ARM
Processors from different vendors
differ much?

Dullness vs. going overboard:

Should I be calling people 'enfants terribles' in an academic paper?

Manager sounds upset every time I

inform him of a (minor) obstacle

Can a plane fly backward if its

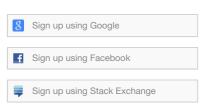
Important formulas in Combinatorics

A ls it 'Batmen' or 'Batmans'?

Would allowing shorter passwords sometimes be more secure?

more hot questions

Sign up or log in



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.

Not the answer you're looking for? Browse other questions tagged neo4j cypher or ask your own question.

a question feed

