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

Neo4j - What's the best way to check if multiple items are in the DB based on a set of ids







I have a bunch of 1000 ids (like: "id1", "id2", "id3" ... "id100") of "items" that I get from 3rd party server. I have a user who owns already owns 10-50 "items" like below:



(user)-[:owns]->(:ITEM{id: "id1"})



Those 100 item ids from 3rd party server are random. I need to write a cypher query that tells how many of those 3rd party item a given user already owns.

Currently I am doing:

```
MATCH (user{id:userId}-[:OWNS]->(i:ITEM)
WHERE i.id = "id1" || i.id = "id2" || i.id = "id3" ..... || i.id = i"d100"
```

Is there a better approach?

Please Note: The number of items owned by user might be in the 1000s, where as number of item ids from 3rd party is always constant (100). For a given user, all 100 items might be a match or 0 or

neo4j cypher

share improve this question



active

oldest

votes

add a comment

2 Answers

Ideally you'd just pass the collection of IDs in as a parameter:



MATCH (user {id:userId})-[:OWNS]->(i:ITEM) WHERE i.id IN {ids} RETURN COUNT(i) AS items



But you can also declare it within the query:

MATCH (user {id:userId})-[:OWNS]->(i:ITEM)
WHERE i.id IN ['id1', 'id2', 'id3', ..., 'id100'] RETURN COUNT(i) AS items

share improve this answer

answered Apr 2 at 23:17 Nicole White **3,059** • 4 • 15

very simpler query, thanks. I would however split the user match and the (user)-[:OWNS]->(item) iot avoid the traversal matcher operation and benefit of the user/id index. - Christophe Willemsen Apr 3 at 0:03

Thanks Nicole. 2nd version is simpler for me. Not sure how to deal w/ 1st version from node.js (i.e. pass IDs as 'parameter' for {ids}) - Raja Rao Apr 3 at 6:17

add a comment

viewed 36 times

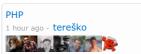
active 4 months ago

asked 4 months ago

Blog

Why Stack Overflow is a Good Workplace for Women

167 People Chatting



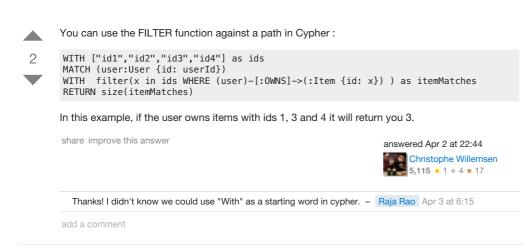


Related

- 6 neo4j: Is there a way/how to select random nodes?
- 1 neo4j Multiple optional paths - cypher
- 0 What's the recommended way to filter on an index using multiple parameters in neo4j?
- 0 Neo4j get multiple items with transactional HTTP endpoint
- 4 Neo4j directed path through multiple relationships with property filter
- 1 Multiple links cypher neo4j optimization (// Faceted search ?)
- 0 What is the best way to model sequence paths in neo4i?
- 1 Setting multiple values for a single property in neo4j
- 1 Neo4j cypher query performance when ordering a large data set
- 1 Neo4j: Fast query for getting relationships between a set of nodes

Hot Network Questions

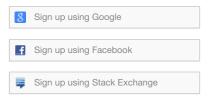
Draw horizontal lines like open and close brackets



Your Answer

B <i>I</i>	& 66 {} №	∃= := = =	5 6

Sign up or log in



Post as a guest

Email required, but never shown	Name	
required, but never shown	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

tour help blog	chat data leç	gal privacy policy	work here	advertising info	mobile	contact us	feedback		
TECHNOLOGY				LIFE / ARTS	;	CULTURE RECREAT		SCIENCE	OTHER
Stack Overflow	Programmer	Programmers Database		Photography		English Language &	Mathematics	Stack Apps	
Server Fault	Unix & Linux		nistrators	Science Fiction & Fantasy		Usage	Cross Validated (stats)	Meta Stack Exchange	
Super User	Ask Different	t (Apple)	al Answers			Skeptics	Theoretical Computer	Area 51	

How do I calculate approximate equity liquidity?

Using siunitx, \ohm results in an italic Omega

Religion After the Discovery of a Multiverse

The Programming Language Quiz

Where did the nickname of 'Bones' for McCoy come from?

im `cond` with less redundancy

What are some techniques to avoid touching a wet tent wall?

Carrying a handgun in other countries with a US concealed carry permit

& Noun form of "extant"?

Aerofoil that gives reasonably good lift for both flow directions: forward and backward

Dullness vs. going overboard: Should I be calling people 'enfants terribles' in an academic paper?

I added more water to my ciabatta dough by accident

My 4.5 yrs old son has no dominant hand

more hot questions

Web Applications Ask Ubuntu Webmasters Game Development TeX - LaTeX	WordPress Development Geographic Information Systems Electrical Engineering Android Enthusiasts Information Security	SharePoint User Experience Mathematica Salesforce ExpressionEngine® Answers more (13)	Graphic Design Movies & TV Seasoned Advice (cooking) Home Improvement Personal Finance & Money Academia more (9)	Mi Yodeya (Judaism) Travel Christianity Arqade (gaming) Bicycles Role-playing Games more (21)	Science Physics MathOverflow Chemistry Biology more (5)	Stack Overflow Careers
---	---	---	--	---	---	------------------------

site design / logo © 2015 Stack Exchange Inc; user contributions licensed under <u>cc by-sa 3.0</u> with <u>attribution required</u>