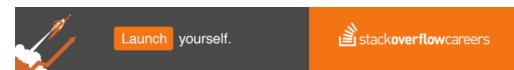


Ten. Million. Questions. Let's celebrate all we've done together.

Stack Overflow is a question and answer site for professional and enthusiast programmers. It's 100% free.

Take the 2-minute tour

Neo4j cypher query a known path



asked 4 months ago

viewed 51 times

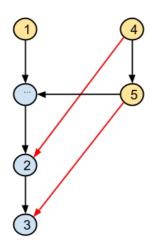
active 4 months ago

I have a query that I'm not sure how to implement or if it's efficient to do in cypher. Anyway, here's what I'm trying to do.

0

I have basically this graph:





Blog

Related

data

3 Neo4j: which queryapproach for selecting single node based on node

1 neo4j count nodes

property and position?

performance on 200K

3 Neo4j indexes and legacy

3 how to create a simple

1 Is it possible to get the

1 neo4j - Issue converting gremlin query to cypher

2 node degree query on

Neo4j with huge graph (million nodes and links)

1 proper result using gremlin

Aggregation with Gremlin in Neo4j to get related News

Gremlin?

query

collaborative filter with neo4j and cypher or gremlin

shortest path with traversal

cost by using Cypher or

nodes and 450K relations

Why Stack Overflow is a Good Workplace for Women

I want to get all the nodes / relationships from 1 to 3 (note: the empty node can be any number of nodes). I also want all the, if any, incoming edges from the last two nodes and only the last two nodes that are not in the original path. In this case the edges that are in red should also be added to result.

I already know the path that I want. So in this example I would have been given node ids 1, ..., 2, 3 and I think I know how to get the path of the first part.

MATCH (n)-->() WHERE n.nid IN ['1', '...', '2', '3'] RETURN n

I just can't figure out how to get the red edges for the last two nodes in the path. Also, I'm not given node ids 4 and 5. We can assume the edges connecting 1, ..., 2, 3 all have the same label and all the other edges have a different label.

I think I need to use merge but can't figure out how to do it yet.

Or if someone know's how to do this in gremlin, I'm all ears.

neo4j cypher gremlin share improve this question

asked Mar 31 at 6:59 Jeff

add a comment

1 Answer

active oldest

votes

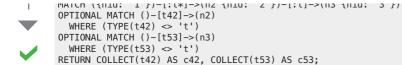
Hot Network Questions

2 Cycles in Gremlin/Cypher

How does java.util.EnumSet<E> work?

Does this work for you?

MATCH (Spid: 1111)_[++]_\(n2 Spid: 1211)_[++]_\(n2 Spid: 1211)



I give all the relationships on the left path (in your diagram) the type "t". (The term label is used for nodes, not relationships.). You said we can assume that the other relationships do not have that type, so this query takes advantage of that fact to filter out type "t" relationships from the result.

This query also makes the 4-2 and 5-3 relationships optional.

share improve this answer

edited Mar 31 at 19:07

answered Mar 31 at 16:31



This is getting me closer to what I need, but I'm running into the problem where the relationship between 4-2 is not there but 5-3 is and nothing is returned from the query. If I remove the portion for 4-2 from the query then nodes and rels are returned. Looks like this query is assuming that the rel 4-2 is there otherwise return nothing if not. Is there a way of telling cypher I don't care if nothings there; return what you've found anyway? Thanks for the help! – Jeff Mar 31 at 17:41 **

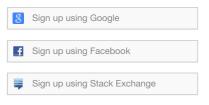
I have updated my answer to make the 4-2 and 5-3 relationships optional. - cybersam Mar 31 at 18:30

add a comment

Your Answer

B <i>I</i>	Ø 66 {} №	}= := =	5 0	

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 gremlin or ask your own question.

Straight line in TikZ with 'continued' marking in the middle

Should you always minimize cognitive load

Password strength of random words and brainflayer

Name for a device purposefully put together from faulty parts

Need to convert date format in apex

My 4.5 yrs old son has no dominant

Can you open source firmware to closed hardware?

Is it possible to automate tests for in progress sprint

¿Puede "hopefully" traducirse como "oialá"?

The Hiding Rules Contradict
Themselves. What Can I Make Of
This?

Construct a polynomial with given roots

Preventing a Print expression from generating a new cell each time it executed

Legacy application unreachable

How can I grant a non-Super User group permission to force check-in of articles?

For loop formatting

Was クリスマスケーキ used metaphorically about women?

more hot questions

question feed

Server Fault Super User Web Applications Ask Ubuntu Webmasters Game Development TeX - LaTeX	Unix & Linux Ask Different (Apple) WordPress Development Geographic Information Systems Electrical Engineering Android Enthusiasts Information Security	Administrators Drupal Answers SharePoint User Experience Mathematica Salesforce ExpressionEngine® Answers more (13)	Science Fiction & Fantasy Graphic Design Movies & TV Seasoned Advice (cooking) Home Improvement Personal Finance & Money Academia more (9)	Usage Skeptics Mi Yodeya (Judaism) Travel Christianity Arqade (gaming) Bicycles Role-playing Games more (21)	Cross Validated (stats) Theoretical Computer Science Physics MathOverflow Chemistry Biology more (5)	Meta Stack Exchange Area 51 Stack Overflow Careers
---	---	---	--	--	--	--

site design / logo © 2015 Stack Exchange Inc; user contributions licensed under <u>cc by-sa 3.0</u> with <u>attribution requirec</u> rev 2015.8.20.694