

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 uni directional shortest path

\$ git push origin **stackoverflowcareers**

Add repos



2



I have a graph with multiple nodes and edges that have a relation of (links_to) between them. Nodes represent web pages and edges a hyperlink. Pages have many links, inclusive reciprocal links.

Problem:



When I run the shortest path between A and C I'm getting a path that contains an invalid direction. Shortest path A-C

Instead of A->B->C I'm getting A<-B->C.

How can I get the shortest path in the right direction?

This is my query:

```
MATCH (home { Label:'/' }), (paris { Label:'/paris/2012/intervenants.php' }),
p = shortestPath((home)-[:links_to]-(paris))
RETURN p
```

<http://i.stack.imgur.com/VHTQ3.png>

neo4j cypher

share improve this question

add a comment

asked Mar 27 at 8:04

João
41 • 3

1 Answer

active oldest votes



0



You have to add * (for many relationships between nodes) and direction:

```
MATCH (home { Label:'/' }), (paris { Label:'/paris/2012/intervenants.php' }),
p = shortestPath((home)-[:links_to*]->(paris))
RETURN p
```

The good example of cypher query is in [link](#).

share improve this answer

edited Mar 27 at 8:37

answered Mar 27 at 8:31

Richard Günzl
104 • 5

I've tried can't get it to work! I created a simpler graph. # Node: /A # Section:none # Node: /B # Section:none # Node: /C # Section:none # Node: /D # Section:none #1 /A > /B #2 /B > /A #3 /B > /C #4 /C > /D #5 /D > /C #6 /D > /A even this MATCH p=((Label:'/'))-[:links_to]->((Label:'/')) RETURN p gives me both directions. Any tip? – João Mar 27 at 15:58

The visual is showing all the edges on a node, that's what's confusing. If I do the same query on the data browser it seems to be correct. Any way to do it visually? – João Mar 27 at 16:26

I am afraid of visualisation of the browser (the default of Neo4j) show all relationships between of returned nodes everytime. – Richard Günzl Mar 27 at 17:25

I tried doing it on the data browser and it is still the same invalid data. How can I know the shortest path on a given direction? What should I use? – João Mar 28 at 0:35

You should show the result. If you use --> it has to return path with this direction only (in the Rows window

asked 4 months ago

viewed 50 times

active 4 months ago

Blog

Why Stack Overflow is a Good Workplace for Women

Related

- 7 Get all Routes between two nodes neo4j
- 0 Cypher query shortest path
- 1 Neo4j: Shortest Path based on Property
- 1 cypher query to get middle objects in traversal and shortest path
- 2 neo4j: shortest path with minimal relationship property variance
- 1 Neo4j: query for all paths with specified relationships
- 1 Neo4J Grandchild Relationships Linked to Nodes
- 0 neo4j: finding path and removing duplicates
- 1 Neo4j Cypher Query to list paths of nodes with a single relation based on a start-end condition
- 3 Cypher query for shortest path with end node constraint




Hot Network Questions

- What are the advantages and disadvantages of an oblique wing over a swing wing
- Was フリスマスケーキ used metaphorically about women?
- Password strength of random words and brainfayer
- Funding government by only printing more money
- Lunch with the CEO
- How does java.util.EnumSet<E> work?
- What can I do when I accidentally gave out an overpowered item?
- Select polygons one by one and export them using arcpy

B *I*

- [more hot questions](#)

Post as a guest

-  Sign up using Google
-  Sign up using Facebook
-  Sign up using Stack Exchange

Name

By posting your answer, you agree to the [privacy policy](#) and [terms of service](#).

neo4j

cypher

or ask your own



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