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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

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asked Mar 27 at 8:04

João
41 • 3

active

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1 Answer

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



MATCH (home { Label:'/' }), (paris { Label:'/paris/2012/intervenants.php' }), $p = \text{shortestPath}((\text{home})-[:\text{links_to*}]->(\text{paris}))$ 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:'/A' }}-[:links_to]->{{ Label:'/B' }} RETURN p gives me both directions. Any tip? - João Mar 27 at 15:58 $^{\mathscr{P}}$

The visual is showing all the edges on a node, thats 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

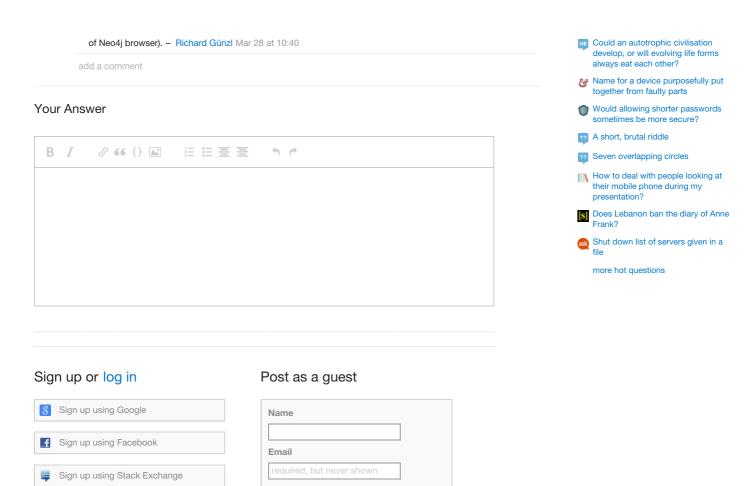
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