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## How to find Paths based on a Relationship property?



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i'm totally new to Neo4J and for 3 days no, I've been trying to figure out, how to get paths between 2 room.

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The function allShortestPaths() gets me a result like this http://www.directupload.net/file/d/3948/79bvpbzd\_jpg.htm or like this http://www.directupload.net/file/d/3948/56j6plhh\_jpg.htm (sorry, my reputation does not allow me to include pics directly).

This function worked out of the box but uses all kind of relationships to traverse from start to end. But what if i only want to get a path with a relationship with a certain property?

A path could look like this: (start:Room {name: "x"})-[\*]-("another node")-[\*]-("other node)-[:CONNECTED\_TO {state: "free}]-("another node")-[\*]-(end:Room {name: "y"}

What i know about wanted path is:

- start node
- end node
- property and label of a relationship somewhere within the path

What i don't know and what is not important is:

- how long will the path be
- what other relationships are on the path

The next step would be to specify the paths I'm looking for more precisely, for example by properties of nodes in that path.

i.e. find a path from (A) to (H), where (C {type: "SC"})-[:CONNECTED\_TO {state:
 "free"}]-(D {type: "SC"})

I've read a lot of stuff right know and tried a million different cyphers, but the more i read and the more i try, the more i get confused. Can anyone please give me a hint?

Thank you in advance

Ichnafi

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edited Apr 5 at 16:47

Heshan Sandeepa

1,512 • 1 • 8 • 20

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1 Answer

What i know about wanted path is:



end node

• property and label of a relationship somewhere within the path



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What you are looking for is the ANY predicate, it tests whether the predicate holds for at least one How to deal with people looking at element in the collection. In your case the collection is all the relationships in the path . their mobile phone during my A simple query would be: Did Arnold Rimmer kill the Red Dwarf crew? MATCH (start:Room {name:'x'}), (end:Room {name:'y'}) or Combining several symmetric MATCH p=allShortestPaths((start)-[\*]-(end)) ciphers using XOR WHERE ANY(  $x ext{ IN rels(p) WHERE type(x) = 'RELATIONSHIP_TYPE'}$ Words of the Buddha AND x.prop = propValue ) M How to use Piano pedals without RETURN distinct(p) using the foot? More in the documentation: http://neo4j.com/docs/stable/query-predicates.html#functions-single Is it possible to automate tests for in share improve this answer answered Apr 5 at 18:58 Is there a single-word antoym for "Opportunity"? Christophe Willemsen 5,115 • 1 • 4 • 17 Es ¿Puede "hopefully" traducirse como ojalá"? Thank you so much. Not only that this cypher works like a charm, i also think i have understood it. - Ichnafi Why moving fan seems transparent? Apr 6 at 11:26 How to ask dumb questions

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