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Implementing a virtual file system tree using Neo4j

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I want to implement a virtual file system in neo4j. My question is **Is it the right way?**

And if it is is this sample cypher query good for getting contents of folder in file system?

```
MATCH (user:User {'id':1})-[:has]->
(:Directory {'name':'/'})-[:contains]->
(:Directory {'name':'test'})-[:contains]->
(:Directory {'name':'test2'})-[:contains]->
(:Directory {'name':'test3'})-[:contains]->(f:Directory|File)
Return f
```

tree neo4j filesystems

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edited Apr 14 at 7:29



Michael Hunger

25.2k ● 2 ● 21 ● 41

asked Apr 14 at 5:04



Hamid FzM

874 ● 1 ● 12 ● 31

1 what questions do you want to answer in your use case? – [Stefan Armbruster](#) Apr 14 at 8:00

@StefanArmbruster I mean is it the right way to approach? And if it is, can neo4j handle deep nested trees?? Like accessing a directory with 1000 parent directories?? – [Hamid FzM](#) Apr 14 at 8:53

3 I've asked for what kind of queries you want to do in your graph. The query patterns influence the way you do graph modelling. – [Stefan Armbruster](#) Apr 14 at 8:57

@StefanArmbruster Just `match` query like the example and my concern is about query length in neo4j and the time it takes to find long paths. – [Hamid FzM](#) Apr 14 at 9:34

Hamid the length of the chain isn't so problematic, yeah sure neo4j can do 1000 parent directories in this way. Stefan is asking what you want to do with this data. This is an OK way to model the data, but there might be a better way depending on what queries you'll ask. – [FrobberOfBits](#) Apr 14 at 21:07


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