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neo4j-import with node_auto_indexing

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For a project, I need to import 5 million nodes and 15 millions relations. I tried to import by batch but it was very slow, so I used the new tool 'Neo4j-import' from Neo4j 2.2. We generate some specifics .csv and use the 'neo4j-import'. It is very fast, the whole database is created in 1mn30.

But the problem is that I need to do a regex query on one property (find a movie with only the beginning of his name). And the average response time is between 2.5 and 4 seconds, which is huge.

I read that with Lucene query it would be much more efficient. But with Neo4-import, nodes are created without the node_auto_indexing.

Is there a way to use Neo4j-import and have node_auto_indexing in order to use the Lucene query?

Thanks,

Reptile

regex   lucene   neo4j

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asked Apr 2 at 17:30

Jean Reptile
23 ● 3

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1 Answer

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✔

`neo4j-import` does not populate auto indexes. For doing you need to trigger a write operation on the the nodes to be auto indexed. Assume you have nodes with a `:Person` label having a `name` property.

Configure node auto index for `name` in `neo4j.properties` and restart Neo4j.

To populate the autoindex run a cypher statement like:

```
MATCH (n:Person)
WHERE NOT HAS(n.migrated)
SET n.name = n.name, n.migrated=true
RETURN count(n) LIMIT 50000
```

Rerun this statement until the reported count is 0. The rationale for the `LIMIT` is to have transactions of a reasonable size.

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answered Apr 2 at 20:09

Stefan Armbruster
23.1k ● 2 ● 28 ● 51

Yes, that's exactly what I was asking, thank you very much ! – Jean Reptile Apr 3 at 12:44

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