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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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property.

### 1 Answer

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



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

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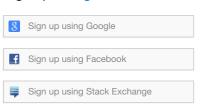
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