

Neo4j >

Neo4j Spatial for Neo4j 2.2.0

11 posts by 3 authors  



Rita

Apr 3



Hi all,

I am passing from Neo4j 1.9.9 to Neo4j 2.2.0. On my 1.9.9 version I have spatial indexes created and used by Neo4j Spatial 0.11.

Now which version of Neo4j I have to use? I've found Neo4j Spatial 0.14 for Neo4j 2.2.0-M02 but when I try to open indexes I get the error "No query engine installed." Implementation has changed? I am using Neo4j on windows with Java in embedded mode. Could tell me how avoid this error? Do I have to recreate spatial indexes?

Thanks in advance

Rita



Craig Taverner

Apr 3



The data structure used by spatial has changed since 1.9, and so the best option here is to re-create (re-import) your spatial data. The neo4j database upgrade process does not upgrade the spatial structures themselves, unfortunately.

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Rita

Apr 3



Many thanks Craig. I've just converted my Neo4j 1.9.9 graph without spatial index to Neo4j 2.2.0. Over this I try to create the spatial index with Neo4j 0.14 but I get the error

No query engine installed.

```
at org.neo4j.kernel.impl.query.NoQueryEngine.noQueryEngine(NoQueryEngine.java:56)
```

Is it a problem of dependencies?

In this case could you please give me indication to download all please?

For version 0.11 I considered this project <https://github.com/neo4j-examples/neo4j-spatial-template/blob/master/pom.xml>, where can I find similar for last version? Anyone could suggest please?

Thank you!

Rita

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Axel

Apr 3



There's no release of Neo4j spatial for Neo4j 2.2.0 GA yet.

I'll try to create one today. Please check the commits in the contrib maven repo for updates: <https://github.com/neo4j-contrib/m2/commits/master>

-Axel.

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Axel Morgner · CEO Structr (c/o Morgner UG) · Twitter @amorgner · Skype axel.morgner
Hanauer Landstr. 291a · 60314 Frankfurt, Germany · Phone +49 151 40522060
<https://structr.org> - Structr: The Game-Changing Software based on Neo4j
<https://structr.com> - Structr and Neo4j Hosting



Rita

Apr 3



OK, thank Axel!

Rita

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Axel

Apr 3



Just deployed some versions now.

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Rita

Apr 9



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Many thanks Axel, sorry but I've tried only today. I am using Maven into Netbeans and using neo4j-spatial-0.14-neo4j-2.2.0.pom I obtain this dependencies:

Are ok? Does someone missing? I've try to create one spatial layer but I got the old error "No query engine installed."

I'm declaring the inside a transaction with those instructions:

```
config = new HashMap<String, String>();
config.put(LayerNodeIndex.LAT_PROPERTY_KEY, "la");
config.put(LayerNodeIndex.LON_PROPERTY_KEY, "lo");
config.put(SpatialIndexProvide
r.GEOMETRY_TYPE, LayerNodeIndex.POINT_PARAMETER);
layerIndex = newLayerNodeIndex("layerIndex", graph, config);
```

Is it correct? I can't use the doc-jar because of the error "The javadoc root does not contain the

package-list file", and I can't find examples of usage with version 0.14. Could someone give me an advice for this upgrade please?

Thanks

Rita

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Rita

Apr 13



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Anybody has got an idea to fix this problem, please? I need to create spatial indexes to test Neo4j 2.2.0, otherwise I have to stay with 1.9.9.

Thank you

Rita

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Rita

Apr 13



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If it is useful for someone with similar problem, I've fixed the problem using those dependencies :

Regards,

Rita

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Axel

Apr 13



Great to hear!

Do you have an idea which (transitive) dependencies caused the problem before you managed to fix it?

And I think you don't need the neo4j-graph-collections-0.6-neo4j-1.9.jar anymore as all classes necessary for recent spatial versions were moved into spatial itself some time ago.

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Rita

Apr 14



I had the following dependencies into the pom file :

```
<dependency>
  <groupId>org.neo4j</groupId>
  <artifactId>neo4j-cypher</artifactId>
  <version>${neo4j.version}</version>
</dependency>
```

after this I don't got anymore the error "No query engine installed.", but I got another type of error opening the graph. So I've tried adding all the dependencies collected with Neo4j Spatial 0.11 and missing in the classpath of 0.14. In this way it works without errors but I don't know which jar are not used and the ones that are mandatory. I remove neo4j-graph-collections-0.6-neo4j-1.9.jar which is relative to old version, thank you.

Regards

Rita

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