French Collation vs English Collation.

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Greetings,

   I am using neo4j in a language specific environment, and I have to support English, French, Spanish, and Portuguese languages so far.   I figured out how to setup an automatic index, specifying the language and that appears to work well.   I am now adding a feature that supports date range searching, and I'm doing it by using a custom string pattern to represent a date... SecuriDate_2015_05_04 would be today (May 4th, 2015).   SecuriDate is there because when I convert formats, for now I really have no way of knowing this is a date that needs conversion, except by the content of the data.

   So I am using lexical collation to provide date range support, and searching using the Lucene range function through a REST Query.   When I use the English analyzer, things seem to work well.   I can do range searching using a query like: http://localhost:7474/db/data/index/node/node_auto_index?query=((DateOfBirth:([SecuriDate_2014_11_16 TO *])))&order=score and it works as desired.   I can change the date in the query, and I see the results as expected.

   When I use the French analyzer, some queries fail, in that they return data that shouldn't be returned... not all data, just some.

   That same query will return nodes that contain: `"SecuriDate_2000_01_01"`, `"SecuriDate_2011_02_04"`, etc.

The following query works, and just returns the node containing: `"SecuriDate_2014_09_03"`

  http://localhost:7474/db/data/index/node/node_auto_index?query=((DateOfBirth:([SecuriDate_2014_01_01 TO SecuriDate_2014_12_31])))&order=score

This query fails returning many nodes almost all of which are before "SecuriDate_2014_09_03":

  http://localhost:7474/db/data/index/node/node_auto_index?query=((DateOfBirth:([SecuriDate_2014_01_01 TO SecuriDate_3000_01_01])))&order=score

I'm struggling to create a good example of this, as sometimes it seems to work as desired for a simple case.

This is using the most recent production release: Neo4j 2.2.1 and is running on Windows.

I appreciate any suggestions as to where to trouble shoot this.

Thanks,

  - Daniel