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What's the meaning of this exception for Neo4jImport tool?

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I tried to import 372M Nodes, it gave me below exception. After the exception raised, the program could not stop and went on normally. But it may run several hours without any changes for disk usage, cpu and memory. It seems like to be frozen, with just "sort" stuff. I have replace some special characters. How to solve it ?

Below is my script:

```
#!/bin/bash
cd /cygdrive/d/neo4j-enterprise-2.2.0/bin
users="d:\\RiskNetwork\\nodes_header.txt"
for i in /cygdrive/d/RiskNetwork/Nodes/*
do
    users=$users,$(cygpath -w "$i")
done
./Neo4jImport.bat --stacktrace --into ../data/weibo.db --nodes:User $users --delimit
```

Thes are output and exceptions:

```
......
......
[*>:18.42 MB/s------------------|PROPERTIES(2)=========|NODE:2.72 GB------------
[*>:18.42 MB/s------------------|PROPERTIES(2)=========|NODE:2.73 GB------------
[*>:18.41 MB/s------------------|PROPERTIES(2)=======|NODE:2.73 GB------------
[*>:18.40 MB/s------------------|PROPERTIES(2)=========|NODE:2.74 GB------------
[*>:18.40 MB/s------------------|PROPERTIES(2)=========|NODE:2.75 GB------------
[*>:18.38 MB/s------------------|PROPERTIES(2)=========|NODE:2.76 GB-----------|
[*>:18.37 MB/s-------------------|PROPERTIES(2)=========|NODE:2.76 GB-----------
[*>:18.36 MB/s------------------|PROPERTIES(2)=========|NODE:2.77 GB------------
[*>:18.36 MB/s-------------------|PROPERTIES(2)=========|NODE:2.78 GB-----------|
Done in 17m 14s 300ms
Prepare node index
[*SPLIT:2.85 GB--------------------------------------------------
[*SPLIT:4.11 GB--------------------------------------------------
[*SPLIT:4.11 GB--------------------------------------------------
[*SPLIT:4.11 GB--------------------------------------------------
[*SPLIT:4.11 GB--------------------------------------------------
[*SPLIT:4.11 GB--------------------------------------------------
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```

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......
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[*SPLIT:4.16 GB—————————————————————————————————————————
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[*SPLIT:4.16 GB—————————————————————————————————————————
[*SPLIT:4.16 GB—————————————————————————————————————————
[*SPLIT:4.16 GB—————————————————————————————————————————
```

What's meaning of these Exception? What I can sure is the delimiter, array-delimiter and quote do not appear in the data column context of input files.

`neo4j`

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edited Apr 13 at 5:14

asked Apr 13 at 4:57

luck
22 ● 6

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1   That looks like a bug in the node id index code of the import tool, although I haven't seen it before. I'm the main author of this code and would love to try and reproduce this locally and for that I'd need your csv files, for the single purpose of running the import tool on them and debug what's causing this error. Would that be at all possible? – Mattias Persson Apr 13 at 10:08

@MattiasPersson For the sake of confidential, I cannt not share with you. But I probably found the casuse. Im not sure. I think it may caused by row with "Empty" content in ID Field. I can successfully import these type of row into database. It's wierd. After I deleted this row, the exception above went away. – luck Apr 13 at 10:37

OK, thanks. The importer should probably be changed to fail earlier in this case.   – Mattias Persson Apr 13 at 11:01

@MattiasPersson Yes. And I may hope you could make the exception message more user friendly to debug especially we are processing files whose size are larger than 500GB+. – luck Apr 13 at 11:05

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1 Answer

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https://github.com/neo4j/neo4j/pull/4427 will fix this issue, so hopefully Neo4j version 2.2.1 will contain this fix.

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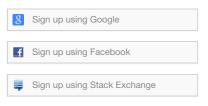
answered Apr 13 at 20:10

Mattias Persson
2,176 ● 1 ● 6 ● 5

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