chain relationships

3 posts by 2 authors 8+1

cdu8...@gmail.com   Apr 24

Hi all,

I've got .csv file with servers and scripts.

Serveur   Script
AALTO   Script1
AALTO   Script2
AALTO   Script3
AALTO   Script4
ABBOTT   Script5
ABBOTT   Script6
ABBOTT   Script7
ABBOUD   Script8
ABBOUD   Script9
ABBOUD   Script10
ABBOUD   Script11
ABBOUD   Script12

And i'd like to create following relationships :

(AALTO)-[:Execution]->(Script1)-[:Puis]->(Script2)-[:Puis]->(Script3)-[:Puis]->(Script4)

(ABBOTT)-[:Execution]->(Script5)-[:Puis]->(Script6)-[:Puis]->(Script7)

(ABBOUD)-[:Execution]->(Script8)-[:Puis]->(Script9)-[:Puis]->(Script10)-[:Puis]->(Script11)-[:Puis]->(Script12)

Thanks a lot for your help.

Fred

Michael Hunger   Apr 24

This should work

it aggregates the scripts into a collection
and then uses and index range to access the individual scripts

```
LOAD CSV WITH HEADERS FROM ... AS row
WITH row.Serveur as server, collect(row.Script) as scripts
MERGE (s:Server {id:server})
WITH s,scripts,size(scripts) as size
FOREACH (idx in range(0,size-2) |
  MERGE (s1:Script {name:scripts[idx]})
  MERGE (s2:Script {name:scripts[idx+1]})
  CREATE (s2)-[:AFTER]->(s1)
)
MATCH (script:Script {name: scripts[0]})
CREATE (s)-[:EXECUTE]->(script)
```

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cdu8...@gmail.com   Apr 25

Hi Michael,

Thanks a lot, it works fine.

//Chargement du fichier

```
LOAD CSV WITH HEADERS FROM 'file:c:/Users/Fred/Desktop/scripts-test.csv' AS row FIELDTERMINATOR ';'

WITH row.Serveur as server, collect(row.Script) as scripts
MERGE (s:Server {id:server})
WITH s,scripts,size(scripts) as size
FOREACH (idx in range(0,size-2) |
  MERGE (s1:Script {name:scripts[idx]})
  MERGE (s2:Script {name:scripts[idx+1]})
  CREATE (s1)-[:AFTER]->(s2)
)
```
WITH scripts, s

```
MATCH (script:Script {name: scripts[0]})
CREATE (s)-[:EXECUTE]->(script)
```

I just added a WITH instruction as i had the following error message :
WITH is required between FOREACH and MATCH (line 10, column 1 (offset: 372))

"MATCH (script:Script {name: scripts[0]})"

And it works perfectly :

...
Show trimmed content