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How to specify relationship type in CSV?

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I have a CSV file with data like:

ID, Name, Role, Project 1, James, Owner, TST 2, Ed, Assistant, TST

3, Jack, Manager, TST

and want to create people whose relationships to the project are therein specified. I attempted to do it like this:

load csv from 'file:/../x.csv' as line match (p:Project {code: line[3]}) create (n:Individual {name: line[1]})-[r:line[2]]->(p);

but it barfs with:

Invalid input '[': expected an identifier character, whitespace, '|', a length specification, a property map or ']' (line 1, column 159 (offset: 158))

as it can't seem to dereference line in the relationship creation. if I hard-code that it works:

```
load csv from 'file:/../x.csv' as line
match (p:Project {code: line[3]})
create (n:Individual {name: line[1]})-[r:WORKSFOR]->(p);
```

so how do I make the reference?

csv neo4j cypher

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asked Mar 28 at 0:56

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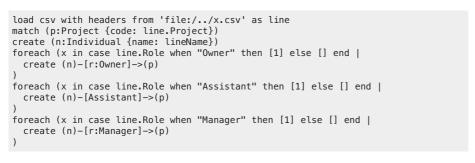
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2 Answers

Right now you can't as this is structural information.

Either use neo4j-import tool for that. 2

Or specify it manually as you did, or use this workaround:





ugh. that seriously bites. to do foreach loops is as bad as just hard-coding it. yuk!! I guess I'll look into the import tool. thanks – ekkis Mar 28 at 3:24

I've looked into the import tool. it offers a --into parameter which makes it clear that I need to import into a blank database. jesus, they don't make this easy. it means I can't update an existing database with it, which makes it quite useless. or am I misunderstanding the docs on that parameter? I tried it. it creates a whole new database. very unhappy. — ekkis Mar 28 at 3:53

1 Another option is to create a separate csv file per relationship type. - Stefan Armbruster Mar 28 at 10:54

Or to filter your csv file for the rel-type with WITH line WHERE line.Role = "Manager" ... - Michael Hunger Mar 28 at 21:27

thanks for the suggestions guys. in fact I'm generating the code from Excel anyway so I can hard-code the relationship creations. it's just unfortunate that the syntax should be so inflexible, for what is a relatively small lexikon. – ekkis Mar 29 at 19:53

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0

Michael's answer stands, however, I've found that what I can do is specify an attribute to the relationship, like this:

load csv from 'file:/.../x.csv' as line
match (p:Project {code: line[3]})
create (i:Individual {name: line[1]})-[r:Role { type: line[2] }]->(p)

and I can make Neo4j display the type attribute of the relationship instead of the label

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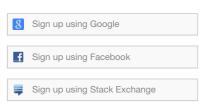


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