

Neo4j

localhost:7474/browser/

AppsYouTubeGmailThe Provident BankFacebookWHM - TGWSProjectsNetworkWHMCSYouTube ChannelsInspirationsWeb DevRealClearPolitics PollsCNN

Database Information

Node labels

Location

Person

Relationship types

BORN_IN

FRIENDS

MARRIED

Property keys

city

name

since

state

year

Database

Version: 3.0.3

Name: default.graphdb

Size: 229.62 KiB

Information sysinfo

\$

\$ MATCH (n) RETURN n LIMIT 25

Graph

Rows

Text

Code

*(13)

Location(5)

Person(8)

*(12)

BORN_IN(5)

FRIENDS(6)


MARRIED(1)


```
graph TD
    Boston((Boston)) -- BORN_IN --> Liz((Liz))
    Liz -- MARRIED --> John((John))
    John -- FRIENDS --> Shawn((Shawn))
    Shawn -- FRIENDS --> Sally((Sally))
    Sally -- FRIENDS --> Elvira((Elvira))
    Elvira -- IN --> Elvira
    Shawn -- BORN_IN --> Miami((Miami))
    Miami -- FRIENDS --> Mike((Mike))
    Mike -- BORN_IN --> SanFrancisco((San Francisco))
    Mike -- FRIENDS --> Liz
    Portland((Portland))
    Todd((Todd)) -- FRIENDS --> Carlos((Carlos))
```


Displaying 13 nodes, 12 relationships (completed with 12 additional relationships)


AUTO-COMPLETE


ON














Database Information

Node labels

*

Location

Person

Relationship types

-

BORN_IN

FRIENDS

MARRIED

Property keys

city

name

since

state

year

Database

Version:

3.0.3


Name:

default_graphdb

Size:

229.62 KiB

Information

 sysinfo

\$ MATCH (a:Person {name:'Liz'}) SET a.age=34

\$ MATCH (n) RETURN n LIMIT 25

*(13) Location(5) Person(8)

*(12) BORN_IN(5) FRIENDS(6) MARRIED(1)

Person <id>: 4 name: Liz

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Database Information

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BORN_IN

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city

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\$ MATCH (n) RETURN n LIMIT 25

Graph

Rows

Text

Code

*(13)

Location(5)

Person(8)

*(12)

BORN_IN(5)

FRIENDS(6)

MARRIED(1)

```
graph TD
    Liz((Liz)) -- BORN_IN --> Boston((Boston))
    Liz -- MARRIED --> John((John))
    Liz -- FRIENDS --> Mike((Mike))
    John -- BORN_IN --> Portland((Portland))
    John -- FRIENDS --> Shawn((Shawn))
    Mike -- BORN_IN --> SanFrancisco((San Francisco))
    Mike -- FRIENDS --> Shawn
    Shawn -- BORN_IN --> Miami((Miami))
    Shawn -- FRIENDS --> Sally((Sally))
    Sally -- FRIENDS --> Steve((Steve))
    Todd((Todd)) -- FRIENDS --> Carlos((Carlos))
```

Person

<id>: 4 name: Liz age: 34

\$ MATCH(a:Person {name:'Liz'}) SET a.age=34

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Database Information

Node labels

LocationPerson

Relationship types

BORN_INFRIENDSMARRIED

Property keys

agecitynamesincestateyear

Database

Version:3.0.3

Name:default_graphdb

Size:231.62 KiB

Information ⓘ sysinfo

\$

I

\$ MATCH (n) RETURN n LIMIT 25

Graph

Rows

Text

Code

*(13)

Location(5)

Person(8)

*(12)

BORN_IN(5)

FRIENDS(6)

MARRIED(1)

Displaying 13 nodes, 12 relationships (completed with 12 additional relationships)

AUTO-COMPLETE ☒

\$ MATCH(a:Person {name:'Liz'}) SET a.age=34

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Database Information

Node labels

LocationPerson

Relationship types

BORN_INFRIENDSMARRIED

Property keys

agecitynamesincestateyear

Database

Version:3.0.3

Name:default.graphdb

Size:231.62 KiB

Information ⓘ sysinfo

\$ MATCH(a:Person {name:'Mike'}) SET a.age=25

☆

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▶

\$ MATCH(a:Person {name:'John'}) SET a.age=44

📄

📌

↗

×

Rows

Set 1 property, statement executed in 12 ms.

</>

Code

Returned 0 rows.

\$ MATCH(a:Person {name:'Shawn'}) SET a.age=32

📄

📌

↗


×


Rows


Set 1 property, statement executed in 13 ms.


</>


Code














Database Information

Node labels

*

Location

Person

Relationship types

*

BORN_IN

FRIENDS

MARRIED

Property keys

age

city

name

since

state

year

Database

Version:

3.0.3


Name:

default_graphdb

Size:

231.62 KiB

Information

 sysinfo

```
$ MATCH(a:Person {name:'Mike'}) SET a.test='TEST'
```

The screenshot shows the Neo4j Cypher console interface. The top bar contains the Cypher query: `$ MATCH (a:Person {name:'Mike'}) SET a.age=25`. Below the query bar, the console displays the message: "Set 1 property, statement executed in 10 ms." The left sidebar shows the "Rows" tab selected, and the bottom status bar indicates "Returned 0 rows".

```
$ MATCH(a:Person {name:'John'}) SET a.age=44
```

Set 1 property, statement executed in 12 ms.

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Database Information

Node labels

LocationPerson

Relationship types

BORN_INFRIENDSMARRIED

Property keys

agecitynamesincestate

testyear

Database

Version: 3.0.3

Name: default.graphdb

Size: 233.00 KiB

Information sysinfo

\$

\$ MATCH (n) RETURN n LIMIT 25

Graph

Rows

Text

Code

*(13)

Location(5)

Person(8)

*(12)

BORN_IN(5)

FRIENDS(6)

MARRIED(1)

```
graph TD
    Boston((Boston)) -- BORN_IN --> Liz((Liz))
    Liz -- MARRIED --> John((John))
    Liz -- FRIENDS --> Mike((Mike))
    John -- FRIENDS --> Shawn((Shawn))
    Shawn -- BORN_IN --> Miami((Miami))
    Shawn -- FRIENDS --> Sally((Sally))
    Sally -- FRIENDS --> Steve((Steve))
    Mike -- BORN_IN --> SanFrancisco((San Francisco))
    Portland((Portland))
    Todd((Todd)) -- FRIENDS --> Carlos((Carlos))
```

Person

<id>: 3 name: Mike age: 25

\$ MATCH(a:Person {name:'Mike'}) REMOVE a.test

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Database Information

Node labels

LocationPerson

Relationship types

BORN_INFRIENDSMARRIED

Property keys

agecitynamesincestate

testyear

Database

Version:3.0.3

Name:default.graphdb

Size:233.50 KiB

Information ⓘ sysinfo

\$ MATCH(a:Person {name:'Liz'}) SET a.age=35

☆ × ▶

\$ MATCH (n) RETURN n LIMIT 25

📄 📌 ↗ ✕

Graph

Rows

Text

Code

*(13) Location(5) Person(8)

*(12) BORN_IN(5) FRIENDS(6) MARRIED(1)

Person <id>: 4 name: Liz age: 34

\$ MATCH(a:Person {name:'Mike'}) REMOVE a.test

📄 📌 ↗ ✕

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Database Information

Node labels

LocationPerson

Relationship types

BORN_INFRIENDSMARRIED

Property keys

agecitynamesincestate

testyear

Database

Version: 3.0.3

Name: default_graphdb

Size: 235.69 KiB

Information sysinfo

\$ MATCH(a:Location {city:'Portland'}) DELETE a

☆ⓧ▶

\$ MATCH (n) RETURN n LIMIT 25

📄📌↗️ⓧ

*(13) Location(5) Person(8)

*(12) BORN_IN(5) FRIENDS(6) MARRIED(1)

Graph

Rows

Text

Code

```
graph TD
    Portland((Portland))
    Boston((Boston))
    Liz((Liz))
    John((John))
    Mike((Mike))
    Shawn((Shawn))
    Sally((Sally))
    Todd((Todd))
    Carlos((Carlos))
    Sam((Sam))
    Miami((Miami))
    SanFrancisco((San Francisco))

    Boston -- BORN_IN --> Liz
    Liz -- MARRIED --> John
    Liz -- FRIENDS --> Mike
    John -- BORN_IN --> Portland
    John -- FRIENDS --> Shawn
    Shawn -- BORN_IN --> Miami
    Shawn -- FRIENDS --> Sally
    Sally -- FRIENDS --> Sam
    Mike -- BORN_IN --> SanFrancisco
    Mike -- FRIENDS --> Shawn
    Todd -- FRIENDS --> Carlos
```

Displaying 13 nodes, 12 relationships (completed with 12 additional relationships)

AUTO-COMPLETE ☒

\$ MATCH(a:Person {name:'Liz'}) SET a.age=35

📄📌↗️ⓧ

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Database Information

Node labels

LocationPerson

Relationship types

BORN_INFRIENDSMARRIED

Property keys

agecitynamesincestate

testyear

Database

Version: 3.0.3

Name: default.graphdb

Size: 235.69 KiB

Information sysinfo

\$

\$ MATCH (n) RETURN n LIMIT 25

Graph

Rows

Text

Code

*(12)

Location(4)

Person(8)

*(12)

BORN_IN(5)

FRIENDS(6)

MARRIED(1)

Displaying 12 nodes, 12 relationships (completed with 12 additional relationships)

\$ MATCH(a:Location {city:'Portland'}) DELETE a

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Database Information

Node labels

LocationPerson

Relationship types

BORN_INFRIENDSMARRIED

Property keys

agecitynamesincestate

testyear

Database

Version: 3.0.3

Name: default.graphdb

Size: 235.69 KiB

Information sysinfo

\$ MATCH (a:Person {name:'Todd'}) DELETE a

\$ MATCH (n) RETURN n LIMIT 25

Graph

Rows

Text

Code

*(12)Location(4)Person(8)

*(12)BORN_IN(5)FRIENDS(6)MARRIED(1)

```
graph TD
    John((John)) -- FRIENDS --> Shawn((Shawn))
    Mami((Mami)) -- BORN_IN --> Shawn
    Mike((Mike)) -- FRIENDS --> Shawn
    Mike -- BORN_IN --> SanFrancisco((San Francisco))
    Shawn -- FRIENDS --> Sally((Sally))
    Sally -- FRIENDS --> Steve((Steve))
    Steve -- BORN_IN --> Lynn((Lynn))
    Todd((Todd)) -- FRIENDS --> Carlos((Carlos))
```

Displaying 12 nodes, 12 relationships (completed with 12 additional relationships)

AUTO-COMPLETE

ON

\$ MATCH(a:Location {city:'Portland'}) DELETE a

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Database Information

Node labels

LocationPerson

Relationship types

BORN_INFRIENDSMARRIED

Property keys

agecitynamesincestate

testyear

Database

Version: 3.0.3

Name: default.graphdb

Size: 235.92 KiB

Information sysinfo

\$ MATCH(a:Person {name:'Todd'})-[rel]-(a:Person)

\$ MATCH(a:Person {name:'Todd'}) DELETE a

Errors

Code

org.neo4j.kernel.api.exceptions.ConstraintViolationTransactionFailureException: Cannot delete node<11>, because it still has relationships. To delete this node, you must first delete its relationship s.

Neo.ClientError.Schema.ConstraintValidationFailed

\$ MATCH (n) RETURN n LIMIT 25

Graph

Rows

Text

*(12)Location(4)Person(8)

*(12)BORN_IN(5)FRIENDS(6)MARRIED(1)

John

Mami

Shawn

Mike

San Francis...

FRIENDS

BORN

FRIENDS

BORN_IN

Neo4j

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Database Information

Node labels

Location

Person

Relationship types

BORN_IN

FRIENDS

MARRIED

Property keys

agecitynamesincestate

testyear

Database

Version: 3.0.3

Name: default.graphdb

Size: 235.92 KiB

Information ⓘ sysinfo

\$ MATCH(a:Person {name:'Todd'})-[rel]-(b:Person) DELETE a,b,rel

☆ⓧ▶

\$ MATCH(a:Person {name:'Todd'}) DELETE a

📄📌↗️ⓧ

Errors

Code

org.neo4j.kernel.api.exceptions.ConstraintViolationTransactionFailureException: Cannot delete node<11>, because it still has relationships. To delete this node, you must first delete its relationship s.

⚠️ Neo.ClientError.Schema.ConstraintValidationFailed

Graph

Rows

Text

</>

*(12)Location(4)Person(8)

*(12)BORN_IN(5)FRIENDS(6)MARRIED(1)

John

Mami

Shawn

Mike

San Francis...

FRIENDS

BORN

BORN_IN

Neo4j

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Database Information

Node labels

Location

Person

Relationship types

BORN_IN

FRIENDS

MARRIED

Property keys

age

city

name

since

state

test

year

Database

Version: 3.0.3

Name: default.graphdb

Size: 235.92 KiB

Information sysinfo

\$

Graph

Rows

Text

Code

*(11)

BORN_IN(5)

FRIENDS(5)

MARRIED(1)

```
graph LR
    Boston((Boston)) -- BORN_IN --> Liz((Liz))
    Liz -- BORN_IN --> John((John))
    Liz -- MARRIED --> John
    Liz -- FRIENDS --> Mike((Mike))
    Miami((Miami)) -- BORN_IN --> Shawn((Shawn))
    Mike -- BORN_IN --> SanFrancisco((San Francisco))
    Mike -- FRIENDS --> Shawn
    John -- FRIENDS --> Shawn
    Shawn -- FRIENDS --> Sally((Sally))
    Sally -- FRIENDS --> Steve((Steve))
    Steve -- BORN_IN --> Lynn((Lynn))
```

Displaying 10 nodes, 11 relationships (completed with 11 additional relationships).

AUTO-COMplete ☒

\$ MATCH(a:Person {name:'Todd'})-[rel]-(b:Person)DELETE a,b,rel

Deleted 2 nodes, deleted 1 relationship, statement executed in 19 ms.

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Database Information

Node labels

Location

Person

Relationship types

BORN_IN

FRIENDS

MARRIED

Property keys

age

city

name

since

state

test

year

Database

Version: 3.0.3

Name: default.graphdb

Size: 236.48 KiB

Information sysinfo

\$ MATCH (n) OPTIONAL MATCH (n)-[r]-() DELETE n, r

Graph

Rows

Text

Code

*(11) BORN_IN(5) FRIENDS(5) MARRIED(1)

```
graph TD; Boston((Boston)) -- BORN_IN --> Liz((Liz)); Liz -- BORN_IN --> John((John)); Liz -- MARRIED --> John; John -- FRIENDS --> Shawn((Shawn)); Mike((Mike)) -- BORN_IN --> SanFrancisco((San Francisco)); Mike -- FRIENDS --> Liz; Mike -- FRIENDS --> Shawn; Miami((Miami)) -- BORN_IN --> Shawn; Sally((Sally)) -- FRIENDS --> Shawn; Sally -- FRIENDS --> Steve((Steve)); Steve -- BORN_IN --> Steve;
```

Displaying 10 nodes, 11 relationships (completed with 11 additional relationships).

AUTO-COMplete ☒

\$ MATCH (a:Person {name:'Todd'})-[rel]-(b:Person) DELETE a,b,rel

Rows

Deleted 2 nodes, deleted 1 relationship, statement executed in 19 ms.