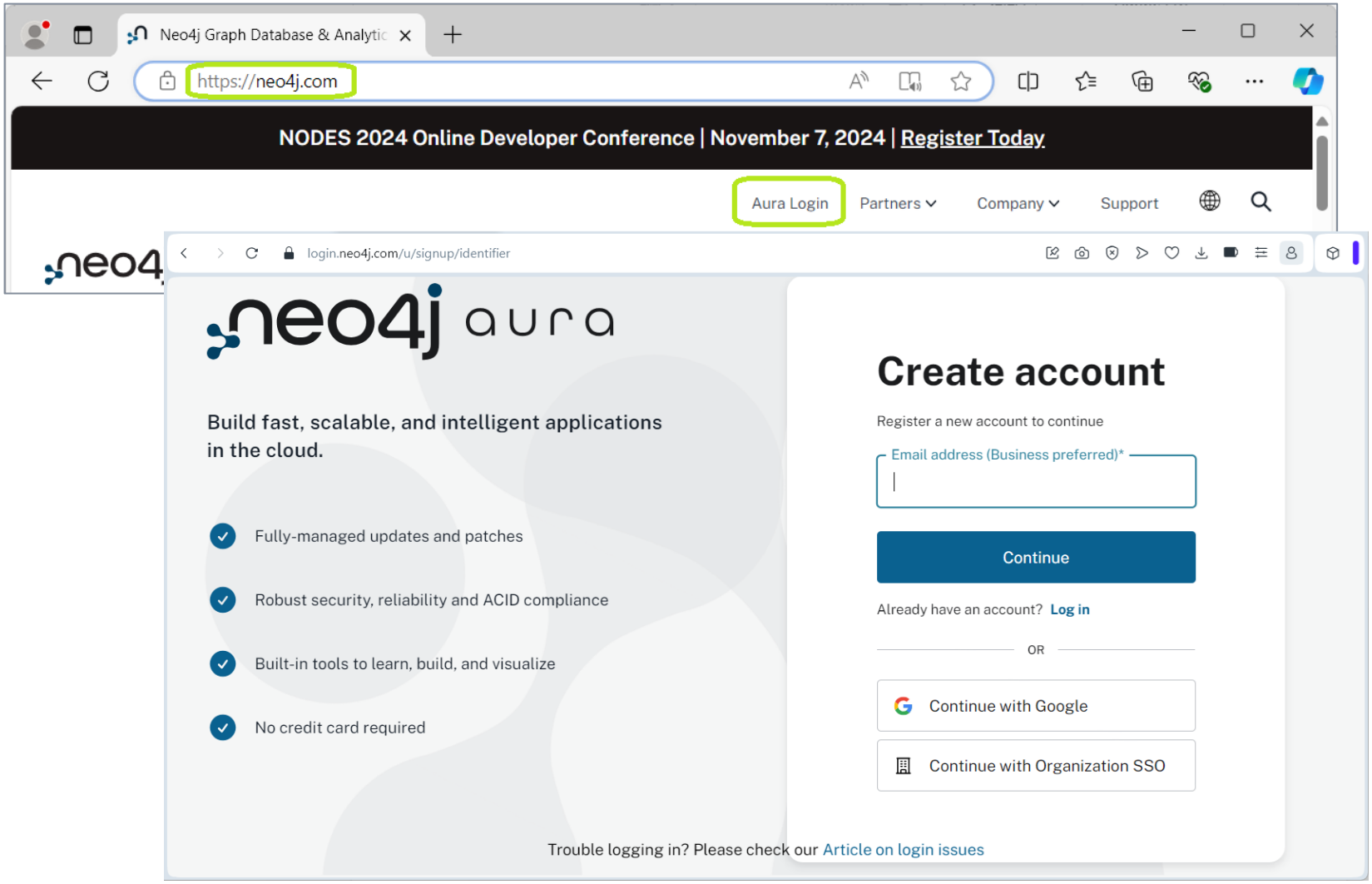
sohailimran2@yahoo.com

Ref: Web

aura

https://neo4j.com/



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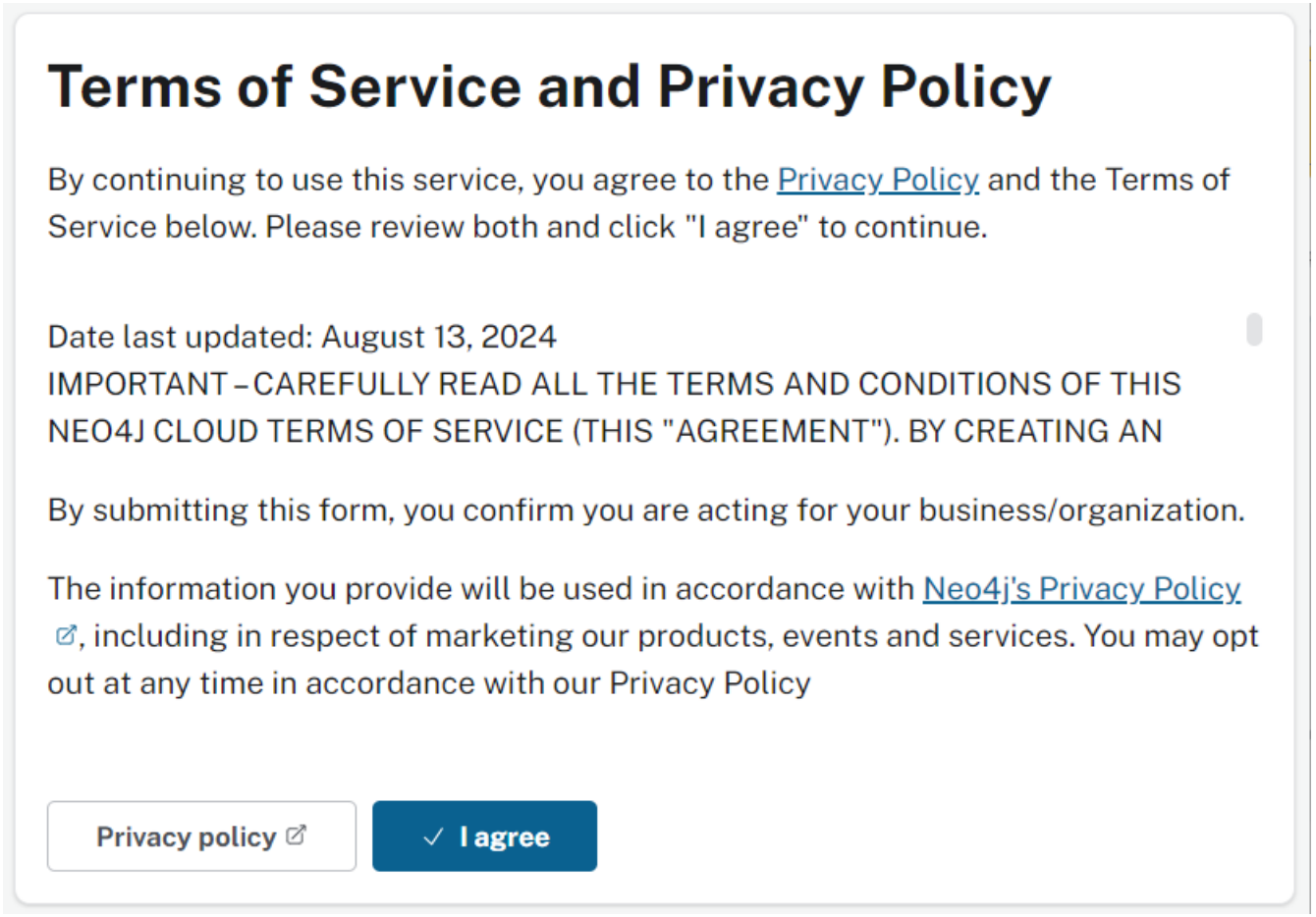
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AuraDB Free

$0

Start with a free offer to learn and explore with graph data

Auto-deleted after 30 days of inactivity

- ✓ No credit card required to start
- ✓ Access to all graph tools

Select

AuraDB Professional

$65 /GB/month

Minimum 1GB instance

Build high-performance applications on a production-ready cloud database

- ✓ Up to 64GB memory per database instance
- ✓ Scalable on demand
- ✓ Daily backups, 30-day retention
- ✓ Available on Azure, AWS, and Google Cloud
- ✓ Advanced instance-level metrics

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AuraDB Business Critical

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Minimum 2GB instance

Scale mission-critical apps with a highly available database, granular enterprise controls, and 24x7 support

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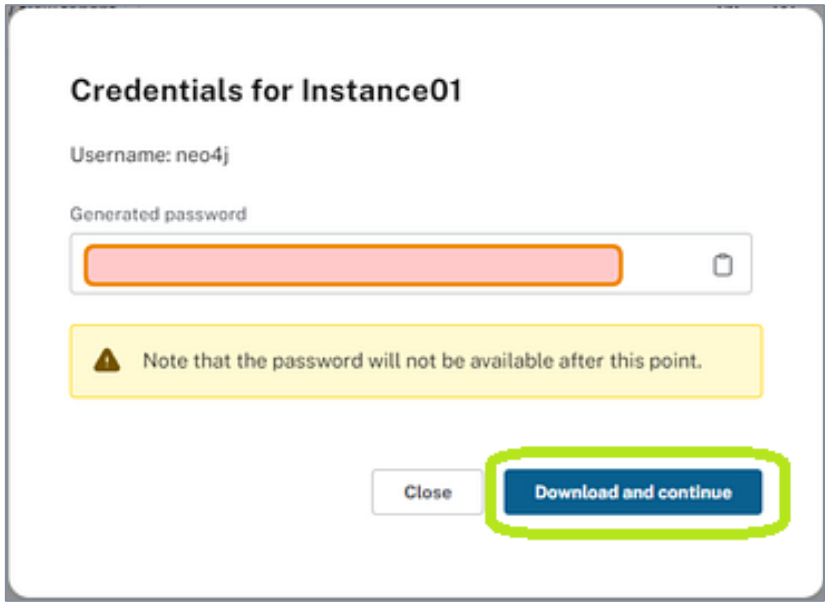
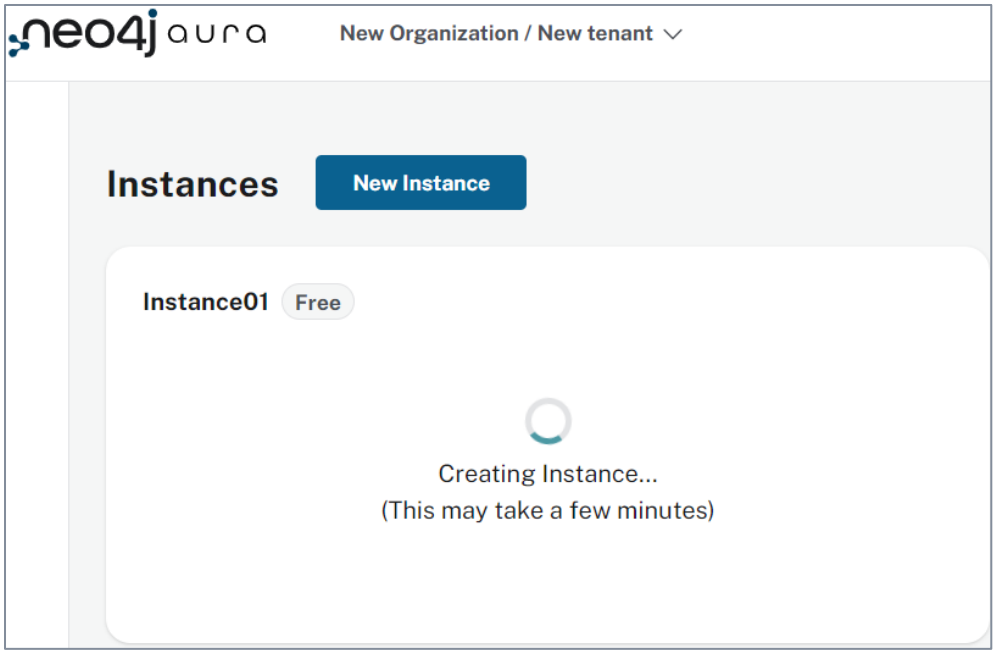
- ✓ Up to 512GB memory per database instance
- ✓ Highly available 3-zone cluster with 99.95% uptime SLA
- ✓ Daily backups with 30-day retention and hourly point-in-time restore
- ✓ Role-based access control with granular security
- ✓ Pay-as-you-go and prepaid consumption billing
- ✓ 24x7 support ↗

Select

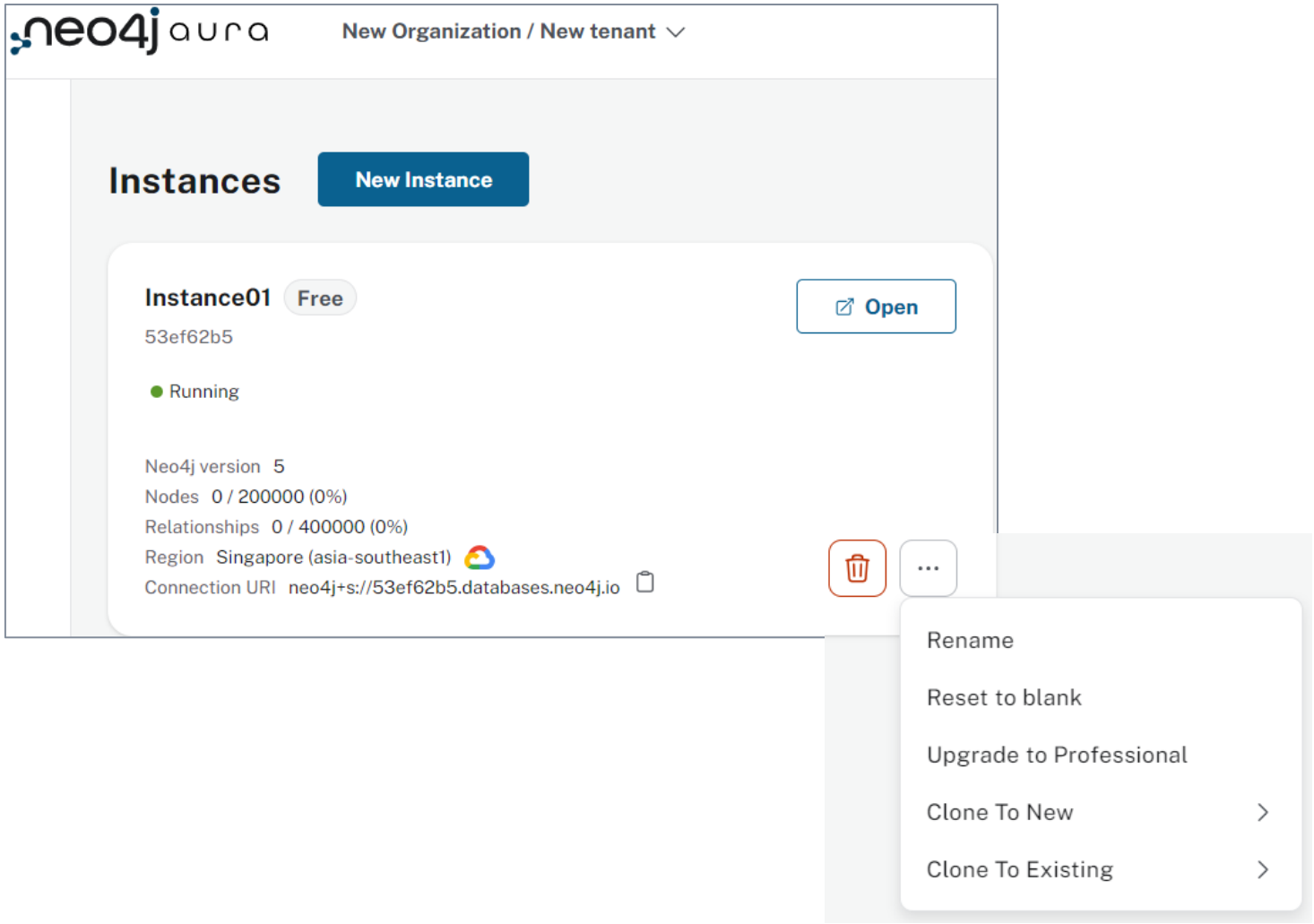
credentials



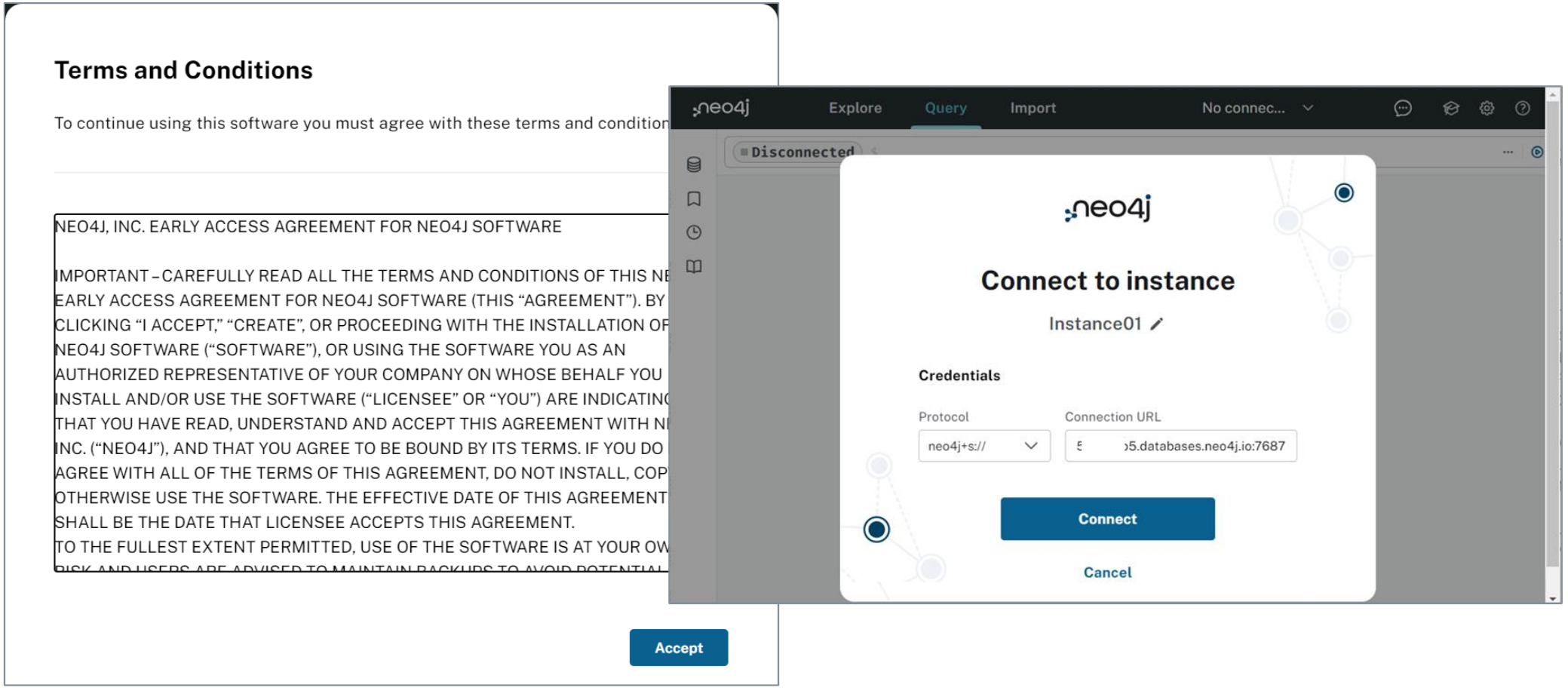


instance

https://console.neo4j.io/



connect



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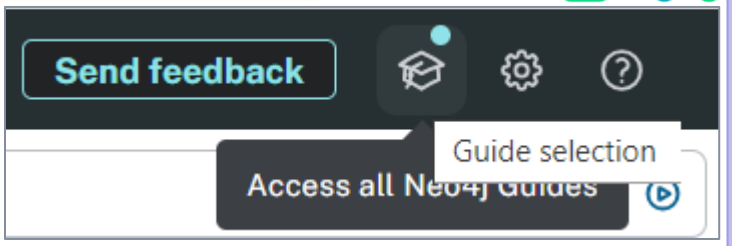
guide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Neo4j Guides

Curated sets of guides to adapt to your needs and learning style.

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Get started with Neo4j.

~7 min

Recommended

Learn the basics

You'll learn:

- graph concepts;
- graph property model;
- the basics of import;
- the basics of data visualization;
- the basics of graph query.

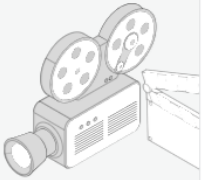
~15 min

Query fundamentals

You'll learn to:

- write basic queries;
- view graph and tabular results;
- perform queries to answer questions;
- perform advanced queries.

~10 min



Movie graph

You'll learn to:

- create nodes and relationships;
- find nodes and patterns;
- understand and use the shortest path algorithm;
- write a basic recommendation query.

Continue with blank database

data

Movie graph

Step 1/8

Movies graph

This guide uses pop-cultural connectio
you how to use Cypher to create and qu
You will explore connections between a
directors, and movies, and also solve th
Bacon-path.

Note that this guide assumes that you
empty database as you will modify it al
way. You will learn how to delete the da
create towards the end of the guide as

What you will learn

This guide takes around 10 minutes and
of it you will be able to:

- Create nodes and relationships that c
  them.
- Find individual nodes by using condit
  matches.
- Find patterns in the graph.
- Understand and use the shortest patl
- Write a basic recommendation query

Movie graph

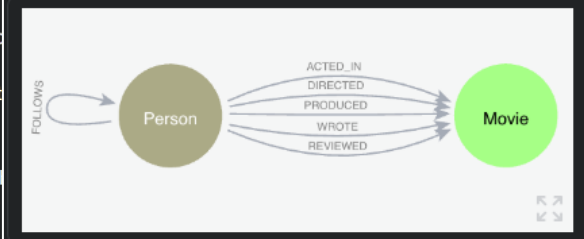
Step 2/8

Create the data

The Cypher `CREATE` clause is used to create data in your graph. If you are not familiar with Cypher syntax, you can try the *Query fundamentals* guide or see the Cypher Manual ↗.

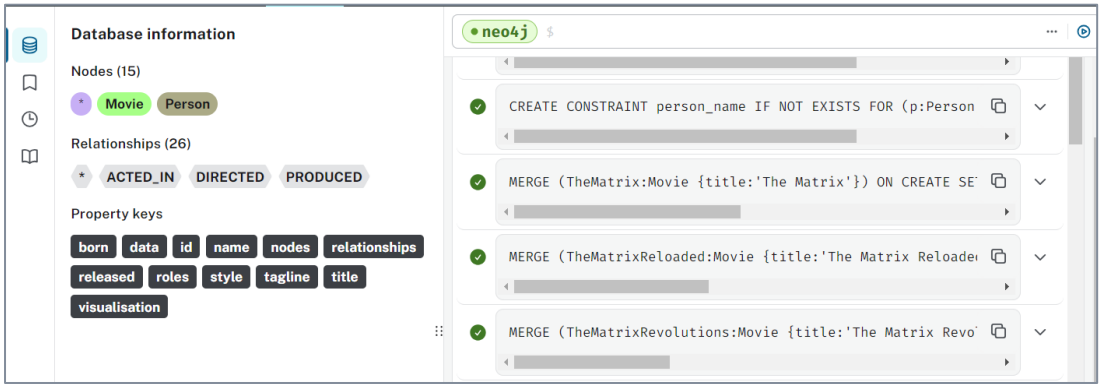
Movie graph

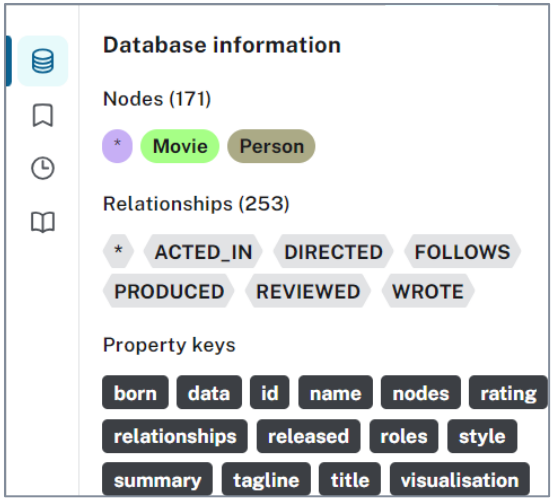
You are going to create a dataset with `Person` and `Movie` nodes and different types of relationships to connect them.




```
1  CREATE CONSTRAINT movie_
2  CREATE CONSTRAINT person_
3
4  MERGE (TheMatrix:Movie {title:
```

Previous Next





constraints

Movie graph

Step 3/8

Indexes and constraints

To aid query performance, you can add indexes to your data. The dataset you create in this guide is very small, but it is good practice to use indexes as they can greatly improve query performance when the datasets are larger.

Run the follwing to see the existing indexes in the database:

```
$ SHOW INDEXES
```

As you can see, there are already some indexes present and this is a result of the two first lines in the `MERGE` clause in the previous step:

```
1 CREATE CONSTRAINT movie_ti
2 CREATE CONSTRAINT person_na
```

Previous Next

```
neo4j $ CREATE CONSTRAINT movie_title IF NOT EXISTS F
```

```
CREATE CONSTRAINT movie_title IF NOT EXISTS FOR (m:Movie) RI
```

```
CREATE CONSTRAINT person_name IF NOT EXISTS FOR (p:Person) I
```

```
neo4j $ SHOW INDEXES
```

Table RAW

id	name	state	populationPercen	typ
1 0	"index_343aff4e"	"ONLINE"	100.0	"L(
2 1	"index_f7700477"	"ONLINE"	100.0	"L(
3 2	"movie_title"	"ONLINE"	100.0	"R/