

# Neo4J Graph Database Assignment


## 1. Access your Neo4J installation. There are multiple ways to do this:

Get Started with Graphs


No Download Required

The Neo4j Sandbox enables you to get started with Neo4j, with built-in guides and sample datasets for popular use cases. No Neo4j experience necessary. Great for RDBMS experts.

Start Now



GRAPHENEDB



neo4j

Neo4J.com  
Sandbox (7 days)

GrapheneDB.com  
Sandbox


Your own  
computer


- a. Using the link to create a new online Sandbox on the Neo4J website.  
Visit the link: <https://neo4j.com/sandbox-v2/>


Click 'Start Now', and sign up with any of the following IDs


Neo4j Sandbox

Log In Sign Up


 LOG IN WITH GOOGLE


 LOG IN WITH LINKEDIN

 LOG IN WITH TWITTER

 LOG IN WITH GITHUB

or

 |yours@example.com

 your password

Don't remember your password?


LOG IN >

Launch a new BLANK sandbox.

Launch a New Sandbox

Each sandbox includes data, interactive guides with example queries, and sample code.


Neo4j 3.2



NEW Neo4j 3.2 release - Blank Sandbox

Launch Sandbox

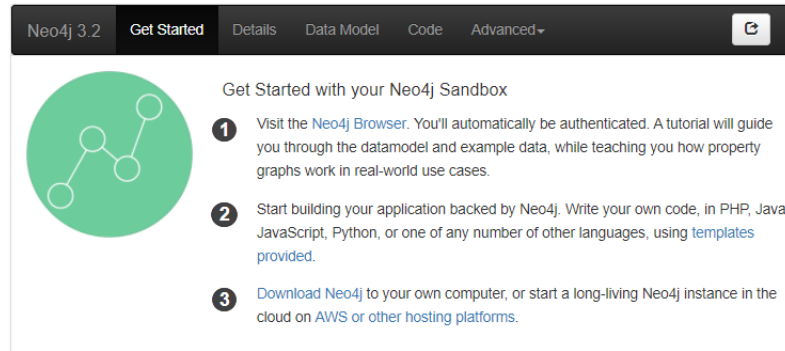
Recommendations



Generate personalized real-time recommendations using a dataset of movie reviews.

Launch Sandbox

Once it is set up, you can then ‘launch the Neo4J browser’ or see other options:

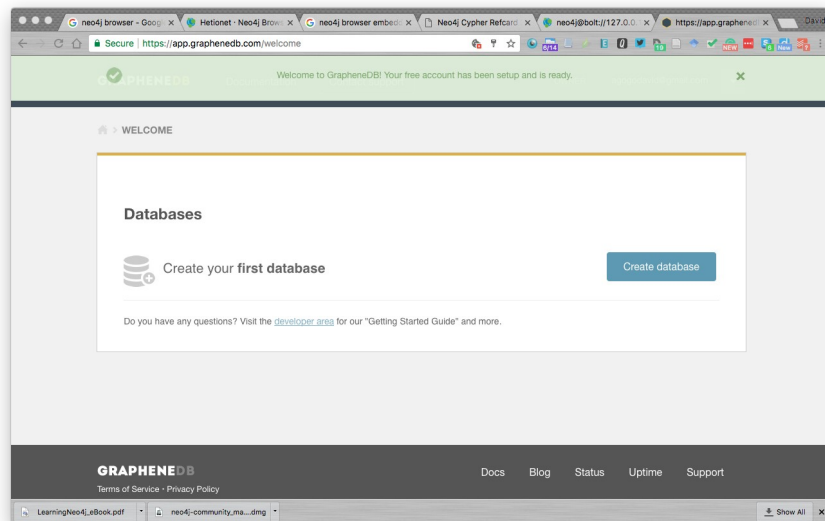


b. Using a free tier GrapheneDB account.

Visit the sign up page: <https://app.graphenedb.com/signup>

Enter in an email and password

Select create database



Select the FREE sandbox option under HOBBY (default option)

The screenshot shows the 'New database' page on the Neo4j console. The 'Select AWS region' dropdown is set to 'US East (Northern Virginia) Region'. Under 'Select database plan', the 'Hobby' section is active, showing the 'Sandbox' plan (1 K nodes / 10 K relations, FREE) selected. The 'Standard' section shows two options: 'S1' (512 MB RAM, 1 GB storage, 50 / month) and 'S2' (1 GB RAM, 4 GB storage, 100 / month). A sidebar on the right lists features for the 'Sandbox Database - Plan Hobby'.

**New database**

Select AWS region

AWS REGION

US East (Northern Virginia) Region

Select database plan

**Hobby**  
Shared instances, great for prototyping

☒ **Sandbox** 1 K nodes / 10 K relations **FREE**

☐ **Developer** 100 K nodes / 1 M relations 9 / month

**Standard**  
Best for small apps where performance is not critical.

☐ **S1** 512 MB RAM 1 GB storage 50 / month

☐ **S2** 1 GB RAM 4 GB storage 100 / month

**Sandbox Database - Plan Hobby**

- Self-service, lightning-fast provisioning
- Immediate export as a downloadable tarball
- Neo4j versions upgrade
- Access to server logs through streaming or download
- Automatic restore from file or URL
- Basic server configuration

Scroll to the end of the page, enter database name and click 'CREATE DATABASE'

The screenshot shows the 'Configure your database' page. The 'DATABASE NAME' field contains 'your\_database\_name' with a red error message 'does not have a valid format'. The 'NEO4J VERSION' dropdown is set to 'Neo4j Community Edition 3.1.6'. The 'Price' section shows 'Free'. At the bottom, there are buttons for 'Create database', 'Contact sales', and 'Back'. A sidebar on the right lists features for the 'Sandbox Database - Plan Hobby'.

**Configure your database**

DATABASE NAME

your\_database\_name

does not have a valid format

NEO4J VERSION

Neo4j Community Edition 3.1.6

**Price**

**Free**

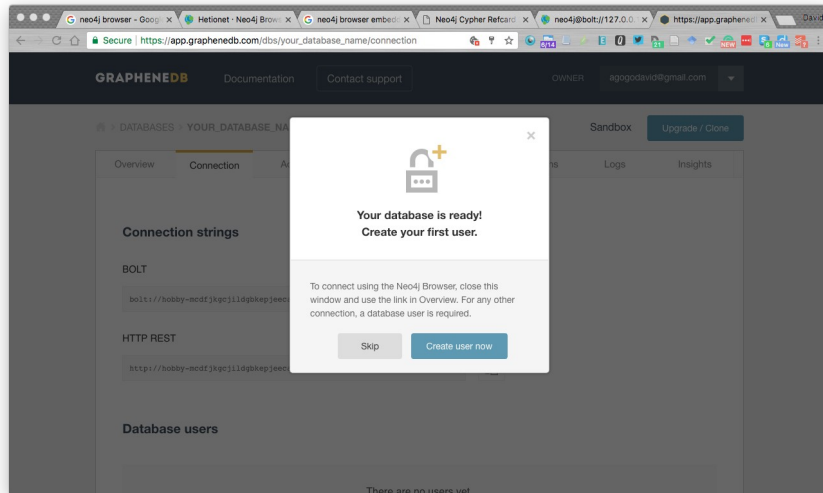
Create database Contact sales Back

**Sandbox Database - Plan Hobby**

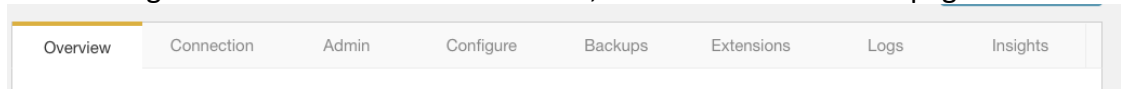
- Self-service, lightning-fast provisioning
- Immediate export as a downloadable tarball
- Neo4j versions upgrade
- Access to server logs through streaming or download
- Automatic restore from file or URL
- Basic server configuration

Do you need help? Contact us

You will be asked to create a user, SKIP this (not necessary)

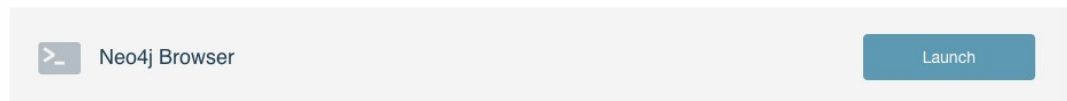


Click through to the **OVERVIEW** menu button, and scroll to bottom of page.

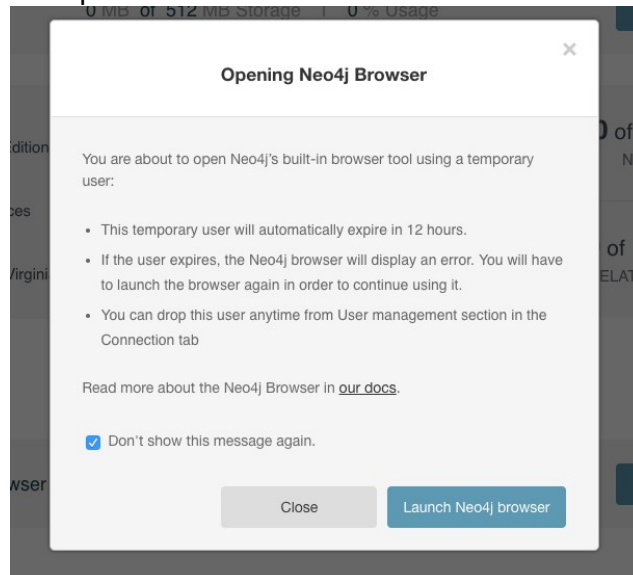


Click on **LAUNCH** to open browser

#### Tools

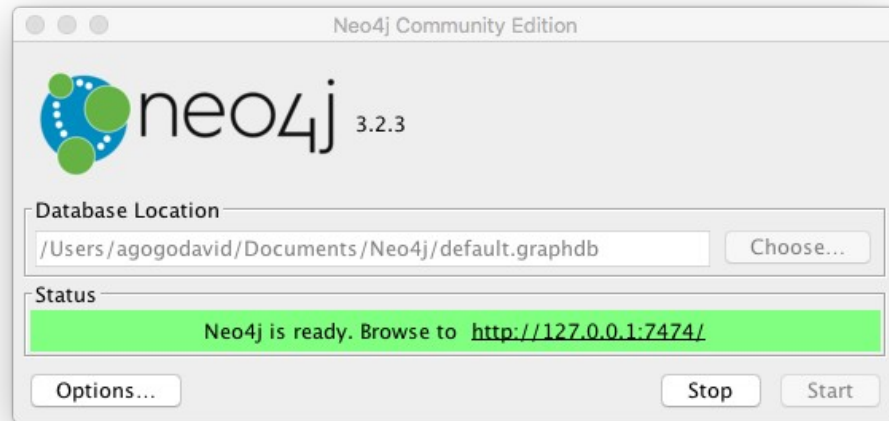


Read through information and click 'LAUNCH NEO4J BROWSER'. A new window will open.

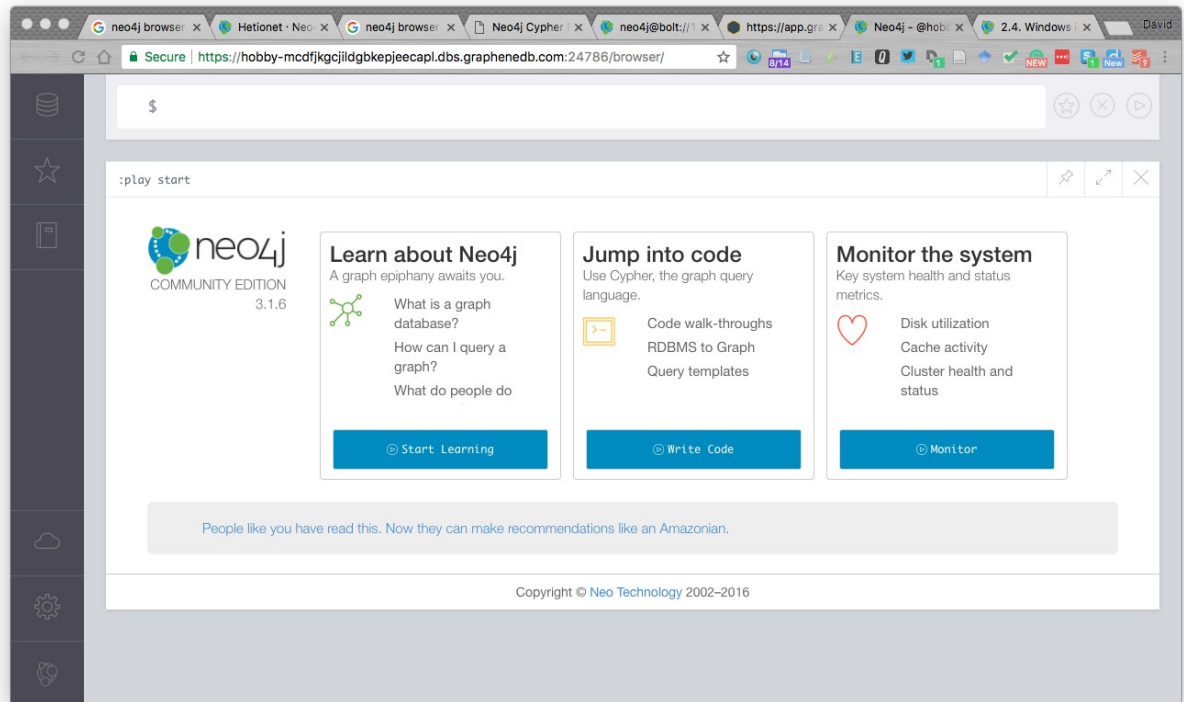


- c. Using your own installation of Neo4J on your personal computer. Download Neo4J from this link: <http://neo4j.com/download/>  
Follow installation instructions appropriate for your OS from this link: <https://neo4j.com/docs/operations-manual/current/installation/>

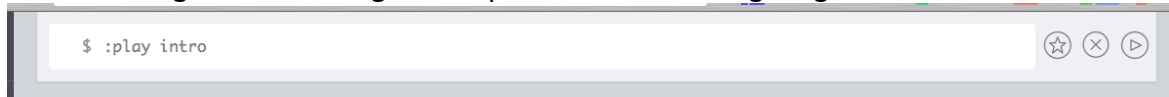
When the installation completes, launch Neo4j. After a few seconds a link will be active. Click on that link to open a new browser window.



## 2. Get acquainted again with the Neo4J browser window



3. Type in **:play intro** at the top of the window. Press ENTER or click on the play button. Follow through this intro to get a simple overview of navigating this window.



4. Under the "Jump into Code" text, Select the "Movie Graph" to start that tutorial
5. Create the graph as instructed in the window. This will take a little time to run completely.
6. Take some time to explore the tutorial carefully.
7. **Create a query to retrieve all the movie directors that worked with actors 55 years or older at the time of release.**
  - a. Paste in the final code into a file.
8. **Display the network of actors, writers, and movies for these actors**
  - a. Paste in the final code and a screenshot of the network into the file.
9. **Submit the code and screenshot for 8 and 9 above.**

Solution

7.

8.