

Setting up your Neo4j training
environment for the course, Graph
Data Modeling for Neo4j

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You should bring a laptop to the class that will enable you to access the Internet using WiFi. If your work laptop blocks Internet access or blocks installation of software, then you should use your personal computer for this course. The OS must be one of OS X, Windows, or Linux.

Step 1: Download and uncompress the following files to your system prior to coming to class:

[neo4j-intro-modeling.zip](#)

[neo4j-implementing-modeling.zip](#)

Step 2: Download the following file to your system prior to coming to class:

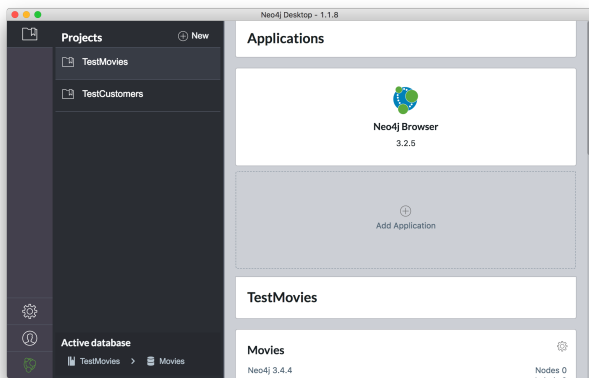
[neo4j-modeling-exercises.pdf](#)

Step 3: Set up your development environment (instructions below)

In preparation for the second part of the course which involves Cypher development, you must download and install Neo4j Desktop, and then create a graph (database). You will use Neo4j Browser to access the database.

Note: If you have already installed Neo4j Desktop on your system, you can skip the rest of these setup instructions.

Neo4j Desktop



The Neo4j Desktop includes the Neo4j Database server which includes the graph engine and kernel so that Cypher statements can be executed to access a database on your system. It includes an application called Neo4j Browser. Neo4j Browser enables you to access a Neo4j database using Cypher. You can also call built-in procedures that communicate with the database server. There are a number of additional libraries and drivers for accessing the Neo4j database from Cypher or from another programming language that you can install in your development environment.

Neo4j Desktop runs on OS X, Linux, and Windows.

Steps for setting up your development environment for this course

Here is an overview of the steps you will perform to set up your development environment:

1. Getting Started with Neo4j Desktop:

- Download Neo4j Desktop.
 - View/save the installation instructions.
- Install Neo4j Desktop.
- In a project, create a local graph (database) you will use for this course.
- Start the graph.

2. Getting started with Neo4j Browser:

- Click the Neo4j Browser application.

- b. Load some data into the graph.

Getting Started with Neo4j Desktop

Note: Before you install on Windows, make sure you have the latest version of PowerShell installed.

If you need to download and install Neo4j Desktop, you can follow along with one of these videos to download, install and get started using Neo4j Desktop.

If using OS X:

<https://www.youtube.com/embed/8yWhuUnPapw?rel=0>

If using Linux:

https://www.youtube.com/embed/SGH_5x3kfdw?rel=0

If using Windows:

<https://www.youtube.com/embed/hIvNexwVYNw>

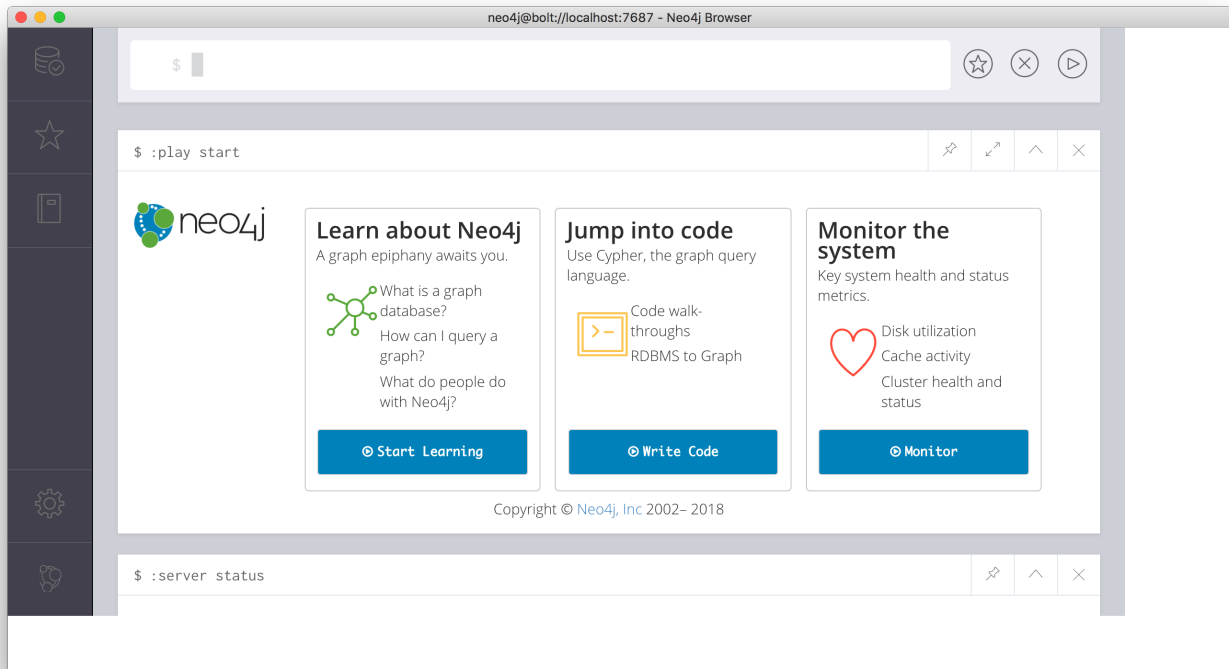
Note: Before you install on Windows, make sure you have the latest version of PowerShell installed.

Using Neo4j Browser

Neo4j Browser is a tool that enables you to access a Neo4j Database by executing Cypher statements to create or update data in the graph and to query the graph to return data. The data returned is typically visualized as nodes and relationships in a graph, but can also be displayed as tables. In addition to executing Cypher statements, you can execute a number of system calls that are related to the database being accessed by the Browser. For example, you can retrieve the list of queries that are currently running in the server.

There are two ways that you can use Neo4j Browser functionality:

- Open the Neo4j Browser application from Neo4j Desktop (database is local)
- Use the Neo4j Browser Web interface by specifying a URL in a Web browser using port 7474 (database is local)



The user interface and behavior for the Neo4j Browser application and Neo4j Browser Web interface is identical, except that in the Web interface, you have the option of syncing your settings and scripts to the cloud.

Getting Started with Neo4j Browser

Follow along with this video to become familiar with common tasks in Neo4j Browser and populate the graph with movie data.

Note: Before you perform the tasks shown in this video, you must have created and started the database in Neo4j Desktop.

<https://www.youtube.com/embed/rQTximyaETA?rel=0>

Important: Confirm your development environment is properly set up

In Neo4j Browser where you are connected to the database where you have loaded the movie data, execute this Cypher statement:

```
MATCH (n) RETURN count(n)
```

If this query returns **171**, then your database is working and you are ready to start implementing graph data models in this training.

Getting help

If you have problems installing Neo4j Desktop, you can join [Neo4j Community](#) and ask a question [here](#).