Introducing Neo4j

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Module Overview

What is Neo4j?

Neo4j's editions

Neo4j's graph

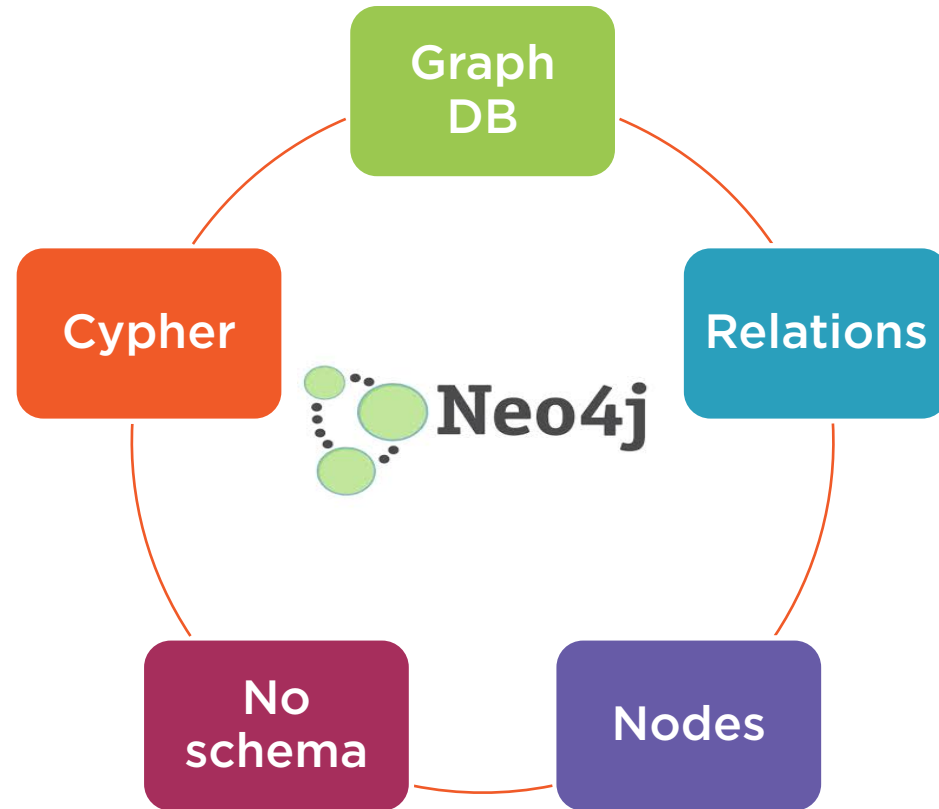Installing

Getting started

Settings

What Is Neo4j?

What Is Neo4j?

Neo4j Editions

Community Edition

Base functionality

GPL v3 licensed

Enterprise Edition

Extra scale and availability features

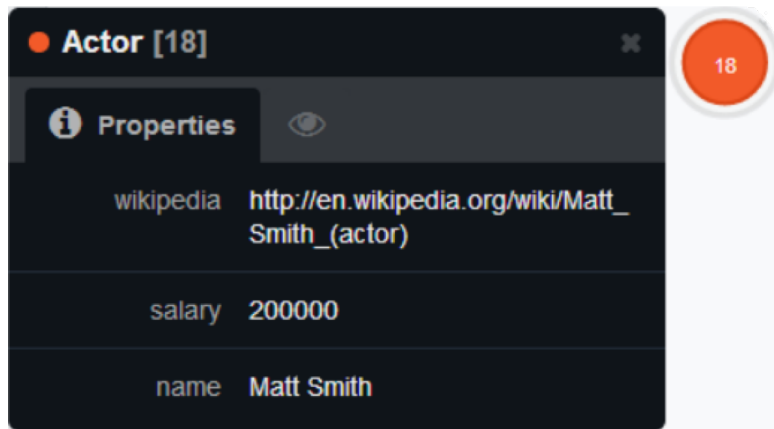Commercial license

Developer license

Evaluation license

Educational license

https://neo4j.com/subscriptions/#editions

Building Block 1:
Node

Schemaless entities/objects

Contains properties

Can have labels

Data Types

Set implicitly

Automatic conversion
when updating

No nulls

boolean (true/false)
byte (8 bits)
short (16 bits)
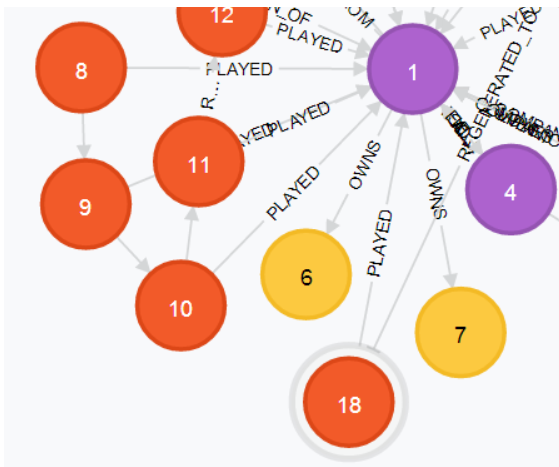int (32 bits)
long (64 bits)
float (32 bits)
double (64 bits)
char (Unicode)
string (Unicode)

arrays

Building Block 2: Relationships

Connect nodes

Directed

Named

Can contain properties

Installing Neo4j

- Developer license great way to start
- Need JDK

Windows

- Desktop app (installer)
- Console app
- Windows service

Linux

- Unix console app
- Linux service

Mac OSX

- Homebrew
- Terminal
- OSX service

Demo

Installing Neo4j on Windows

Demo

Getting started

Demo

Settings

Summary

Neo4j is enterprise capable graph database

Property graph

Cypher

Community edition

Implicity data types

Relationships have properties

As desktop or server

Configurable