



# Neo4j on AWS



Neo4j를 POC에 사용할 수 있도록 AWS에 설치

- 다른 설치 방법

## EC2 Instance

- 특별한 조건 없이 VPC → Public 으로 설정하여 생성
- Type : t3.medium

## 보안그룹

- 포트 개방
  - 7474 : 브라우저용
  - 7687 : bolt 프로토콜

## Neo4j 설치

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- 참조 사이트

- EC2 - SSH 접속

```
sudo apt-get update -y  
mkdir workspace  
cd workspace
```

- JAVA 설치

```
sudo apt-get install openjdk-11-jdk ## Version 8은 에러남 Supported안한다고.  
java -version # version check 및 설치 확인
```

- Neo4j 설치 및 실행

```
wget https://neo4j.com/artifact.php?name=neo4j-community-4.4.10-unix.tar.gz  
  
# 이름이 이상하게 저장된다면 neo4j-community-4.4.10-unix.tar.gz 로 변경 후 진행.  
mv 'artifact.php?name=neo4j-community-4.4.10-unix.tar.gz' neo4j-community-4.4.10-unix.  
tar.gz  
tar -xf neo4j-community-4.4.10-unix.tar.gz  
  
ln -s neo4j-community-4.4.10 neo4j # 링크 설정  
  
vi ~/.bashrc  
# 아래 내용 추가  
export NEO4J_HOME=/home/ubuntu/workspace/neo4j/  
PATH=$PATH:$NEO4J_HOME/bin  
  
neo4j start
```

```
ubuntu@ip-10-0-9-66:~$ neo4j start  
Directories in use:  
home:          /home/ubuntu/workspace/neo4j  
config:        /home/ubuntu/workspace/neo4j/conf  
logs:          /home/ubuntu/workspace/neo4j/logs  
plugins:       /home/ubuntu/workspace/neo4j/plugins  
import:        /home/ubuntu/workspace/neo4j/import  
data:          /home/ubuntu/workspace/neo4j/data  
certificates: /home/ubuntu/workspace/neo4j/certificates  
licenses:      /home/ubuntu/workspace/neo4j/licenses  
run:           /home/ubuntu/workspace/neo4j/run  
Starting Neo4j.  
Started neo4j (pid:8671). It is available at http://localhost:7474  
There may be a short delay until the server is ready.
```

- 브라우저 IP 설정

```
vi ~/workspace/neo4j/conf/neo4j.conf

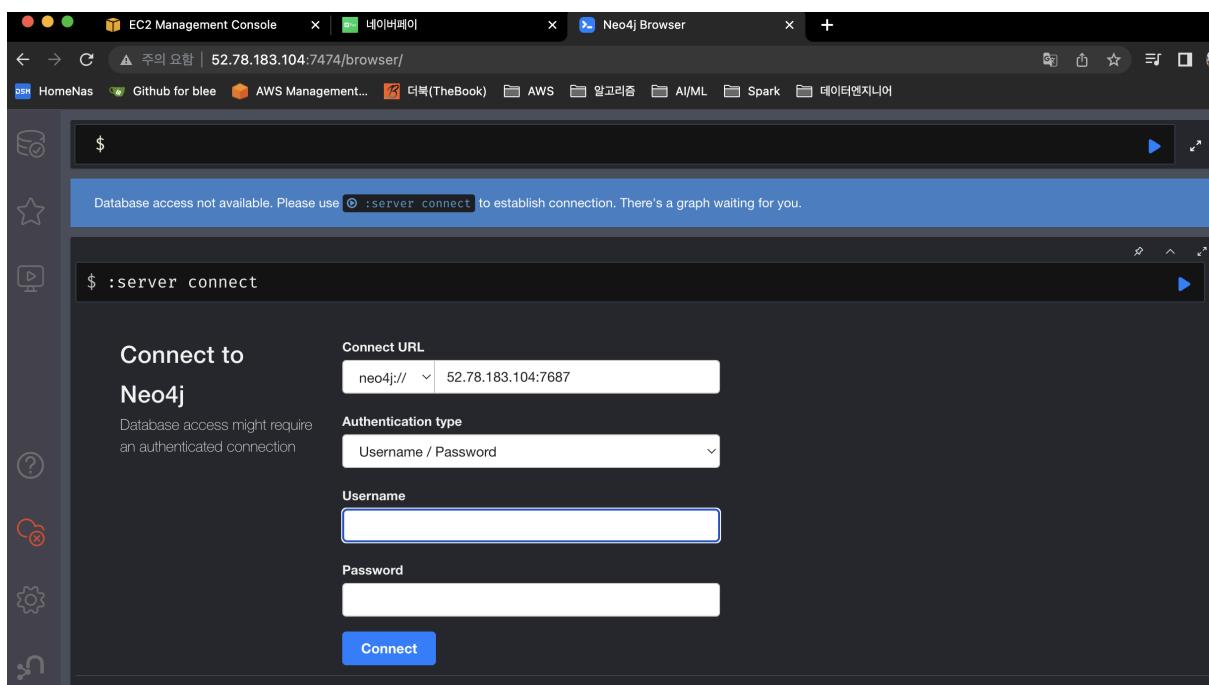
# Bolt connector
dbms.connector.bolt.enabled=true
#dbms.connector.bolt.tls_level=DISABLED
dbms.connector.bolt.listen_address=0.0.0.0:7687
#dbms.connector.bolt.advertised_address=:7687

# HTTP Connector. There can be zero or one HTTP connectors.
dbms.connector.http.enabled=true
dbms.connector.http.listen_address=0.0.0.0:7474
#dbms.connector.http.advertised_address=:7474
```

```
# Bolt connector
dbms.connector.bolt.enabled=true
#dbms.connector.bolt.tls_level=DISABLED
dbms.connector.bolt.listen_address=0.0.0.0:7687
#dbms.connector.bolt.advertised_address=:7687

# HTTP Connector. There can be zero or one HTTP connectors.
dbms.connector.http.enabled=true
dbms.connector.http.listen_address=0.0.0.0:7474
#dbms.connector.http.advertised_address=:7474
```

## 브라우저 확인



- 초기 ID / PW
  - neo4j / neo4j

## Desktop Neo4j에서 연결

- Desktop 설치
- 프로젝트 추가 → Remote Connection

**Example Project**

Movie DBMS 4.4.5

AWS DBMS • ACTIVE

Disconnect Open ...

File Reveal files in Finder Filename

about-movies.neo4j-browser-guide

load-movies.cypher

- localhost → IP 지정 후, ID / PW 입력 접속

Name

Remote DBMS

Connect URL

neo4j://52.78.183.104:7687

Cancel Next

# Import Data

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- AWS에서 Neo4j를 설치 후 CSV파일으로 데이터를 IMPORT 할 때 파일 위치
  - `/home/ubuntu/workspace/neo4j/import/`