Neo4J Documentation

Java Class Clarification:

BatchWriterServiceAction.java

* You can create different nodes separately
* Default session is Create\_All, you can create all the nodes all in once as well as the relationships

BatchWriterService.java

* Center place to create nodes and relationships

Exception.java & Validators.java

* Validate the empty field

Labels.java

* The labels for each nodes

RelationshipTypes.java

* The relationship type for each relationship

Service.java

* Making APIs for Restful API. /createAll is the default. Put all the information to “Data” hashmap

readReader.java

* Read the file. Need to change file path
* Also the password need to change depending on the settings of Neo4J

Configurations:

Add this line in neo4j-server.properties:

org.neo4j.server.thirdparty\_jaxrs\_classes=com.capitalone=/v1

Steps to run:

Open neo4J community, click start

Export capitalone package as a jar, and put it in neo4jcommunity/plugin folder. (also copy guava-18.0.jar and joda-time-2.7.jar in the plugin folder)

Run restReader package as a Java Application.

Steps to run on AWS:

Here is the information about Neo4J Sandbox: <https://pulse.kdc.capitalone.com/docs/DOC-11770>, you can find the ip address and port number on the page.

You can transfer file using Filezilla. You only need to transfer the project with reader.java file in it, because the other part(batchinsert, service) is storing in Neo4J AWS sandbox server as a plugin.

Once you logged in your AWS server using putty, you can cd into the folder you just uploaded.

I already compiled for you, so all you need to do is go to command run, cd to src folder, and run following command:

java -cp ".:./com/capitalone/jar/commons-lang3-3.4.jar" com.capitalone.HelloWorldApp

if there’s error message about cannot find main class, please try run “set CLASS\_PATH=.” in the src folder, then try run java file again.

If you made some changes in the file, you can compile the file again by cd to capitalone folder, and run:

javac -cp ".:./jar/commons-lang3-3.4.jar" readReader.java