Development Environment Setup

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# Neo4J Setup

* Download neo4j-community-1.9 (for the time being i'm using M01):
* Windows: <http://download.neo4j.org/artifact?edition=community&version=1.9.M01&distribution=zip&dlid=notread>
* Linux: <http://download.neo4j.org/artifact?edition=community&version=1.9.M01&distribution=tarball&dlid=notread>
* Since neo does not have a separate concept for server and db, you'll need a deployment for each of your three dbs (yes, copying everything) each of them will need you to set a different port (org.neo4j.server.webserver.port y org.neo4j.server.webserver.https.port properties of <neo>/conf/neo4j-server.properties)
* I'm using:
  + for test: 7400 y 7401
  + for itest: 7402 y 7403
  + for deploy: 7404 y 7405

# Solr Setup

* You need to download solr 4, and unzip it, i'm using it in standalone mode but you can deploy it into tomcat or jboss if you will.
* You will need to create thee solr cores:  similan\_test, similan\_itest y simila\_deploy (each of them will index one of your dbs) (i tried creating those from the web console but it started throwing a exceptionsy all over the place, but if it works for you, great.)
* To do it 'by hand': (in standalone mode) go to <solr>/example/solr/solr.xml and add the cores, it's obvious (or you can copy <git-repo>/data/configuration/solr.xml)
* Then copy the <solr>/example/solr/collection1 folder as similan\_test, similan\_itest y simila\_deploy or whatever it is that you have indicated as directory names in solr.xmlinside each directory replace the schema.xml file with <git-repo>/data/configuration/schema.xml
* To start the server run <solr>/example/start.jar
* Then you have to indicate in your ConfigurationParameters how you wan't to connect to neo and solr and also remove the old "path" setting that the embedded neo used to use.

(remember to update the things in orange for each of you dbs)

update ConfigurationParameter set propertyName = 'uri', value ='"<http://localhost>:7400/db/data"' where beanName = 'domain\_graphDatabaseService' and propertyName = 'path';

insert into ConfigurationParameter (beanName, propertyName, type, value) values ('domain\_graphDatabaseService', 'username', 'java.lang.String', '"neo4j"');

insert into ConfigurationParameter (beanName, propertyName, type, value) values ('domain\_graphDatabaseService', 'password', 'java.lang.String', '""');

insert into ConfigurationParameter (beanName, propertyName, type, value) values ('domain\_solrServer', 'url', 'java.lang.String', '"<http://localhost:8983/solr>"');

insert into ConfigurationParameter (beanName, propertyName, type, value) values ('domain\_solrCredentials', 'username', 'java.lang.String', '""');

insert into ConfigurationParameter (beanName, propertyName, type, value) values ('domain\_solrCredentials', 'password', 'java.lang.String', '""');

insert into ConfigurationParameter (beanName, propertyName, type, value) values ('domain\_solrServerFactory', 'core', 'java.lang.String', '"similan\_test"');

# Other useful instructions

* **View server log :** tail –f /opt/jboss-as-7.1.1.Final/standalone/log/server.log
* **View Solr index in local machine :** <http://localhost:8983/solr>
* **View Neo4J web console:**  <http://127.0.0.1:7474/>