**JAVA 8 Setup**

After installation of Centos, java if installed

*java –version*

If not installed yet, follow this steps

1. cd ~
2. wget --no-cookies --no-check-certificate --header "Cookie: gpw\_e24=http%3A%2F%2Fwww.oracle.com%2F; oraclelicense=accept-securebackup-cookie" “<http://download.oracle.com/otn-pub/java/jdk/8u171-b11/512cd62ec5174c3487ac17c61aaa89e8/jdk-8u171-linux-x64.rpm>”
3. sudo yum localinstall jdk-8u161-linux-x64.rpm
4. Delete the archive file

rm ~/jdk-8u161-linux-x64.rpm

1. set oracle java environment via default alternatives

sudo alternatives --config java

**Neo4j-HA Clustering**

**HA Cluster**

* 3 node of Neo4j server
* 1 node of Neo4j arbiter
* 1 node of HAproxy

**Neo4j Configuration**

* Online backups must be disabled
* Auth to access must be disabled

**HAProxy Configuration**

Configuration is optimized for reads and writes. All HTTP state-changing operation (POST,PUT,DELETE) are directed to master and read (GET) operation to slaves.

**Transactional Cypher HTTP endpoint**

Redirection of write and writes will not work for Cypher HTTP Endpoint because it's using POST method for all Cypher statements (reads and writes).

**Installation Setup**

* **install-neo4j-setup.sh**
* in this script will install Neo4j cluster on the local machine and supply the necessary version of Neo4j to install.

*e.g. ./install-neo4j-setup.sh 2.3.6*

* The above example will install Neo4j cluster in ˜/neo4j-ha/{version} and create 2 scripts in the installed folder
* *start-cluster*
* *stop-cluster*
* Available ports on this cluster
* 7474
* 7484
* 7494
* **install-haproxy-setup.sh**

In this script will install, configure and start the HAproxy server as front-end to the Neo4j cluster. Neo4j cluster must be start be first to avoid the HAproxy service will not work.

* HAProxy server serves HTTP request on port 8088.
* Admin port is 8080
* Stop/start/restart *sudo service haproxy restart*