# Setting up the 3-node cluster in EC2

1. Create an Ubuntu instance on Amazon Web Services

2. Select the proper security group enabling the KONG ports

3. Install latest version of Java

* + sudo add-apt-repository ppa:webupd8team/java
  + sudo apt-get update
  + sudo apt-get install oracle-java8-set-default

4. check that the below command returns proper result

* java -version

5. Install Cassandra.

* echo "deb http://debian.datastax.com/community stable main" | sudo tee -a /etc/apt/sources.list.d/cassandra.sources.list
* curl -L http://debian.datastax.com/debian/repo\_key | sudo apt-key add -
* sudo apt-get update
* sudo apt-get install cassandra -y

6. Kill the running cassandra process, Check and get PID of running Cassandra with following command

* + ps -aux | grep cassandra
  + ps -aux | grep cassandra | awk '{ print $2 }' | head -1
  + sudo kill -9 <PID>

7. Clear system keyspace

* sudo rm -rf /var/lib/cassandra/\*

8. Make changes to Cassandra.yaml file

* sudo vi /etc/cassandra/cassandra.yaml
* change seeds with your EC2 seed machines
* listen\_address: your private machine IP
* rpc\_address: your private machine IP
* endpoint: Ec2Snitch
* Cluster Name

9. Run Cassandra node. Always run seed node first and then run your master node with following command

* sudo cassandra -f &

10. Check status of running nodes log in into another cmd and check status

* nodetool status