**Configuration Document for Hiring Test**

1- First scenario :

1. Create AWS Account and get all components from Architecture Solution

(VPC - Subnets - EC2s - etc..)

1. Install Cassandra :

$ echo "deb http://www.apache.org/dist/cassandra/debian 36x main" | sudo tee -a /etc/apt/sources.list.d/cassandra.list  
$ gpg --keyserver pgp.mit.edu --recv-keys 749D6EEC0353B12C  
$ gpg --export --armor 749D6EEC0353B12C | sudo apt-key add -  
$ sudo apt-get update  
$ sudo apt-get install cassandra  
$ sudo service cassandra start

1. verify the Cassandra cluster :

$ nodetool status

1. Connect to Cassandra cluster using its command line interface cqlsh (Cassandra Query Language shell):

$ sudo pip install cassandra-driver  
$ export CQLSH\_NO\_BUNDLED=true

$cqlsh

1. Install Apache spark

$ wget d3kbcqa49mib13.cloudfront.net/spark-2.0.2-bin-hadoop2.6.tgz  
$ sudo tar xvzf spark-2.0.2-bin-hadoop2.6.tgz -C /usr/local

1. modify ~/.bashrc

export SPARK\_HOME=/usr/local/spark-2.0.2-bin-hadoop2.6  
export PATH=$SPARK\_HOME/bin:$PATH

1. Open up a spark shell:

$SPARK\_HOME/bin/spark-shell

1. Connect Spark to a Cassandra cluster

$ git clone https://github.com/datastax/spark-cassandra-connector.git

$ cd spark-cassandra-connector

$ ls ~/spark-cassandra-connector/spark-cassandra-connector/target/full/scala-2.10  
classes spark-cassandra-connector-assembly-2.0.0-M3-104-g7c8c546.jar test-classes