High availability on Hive Server2 and Hive metastore

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1) Install HAproxy

yum install haproxy -y

2) set in haproxy.cfg

 listen hiveserver2 :10001

    mode tcp

    option tcplog

    balance roundrobin

    server esekilxgp11 esekilxgp11.rnd.ki.sw.ericsson.se:10000

    server esekilxgp12 esekilxgp12.rnd.ki.sw.ericsson.se:10000

3)need to make 'all' in the place of '1' to hiveserver2 and hivemetastore in both  warden.conf(both need to be active)

4)changes need to be done in hive-site.xml to access beeline

<property>

    <name>hive.server2.use.SSL</name>

    <value>false</value>

  </property>

5) copy file to all nodes

scp -p hive-site.xml [mapr@esekilxgp12.rnd.ki.sw.ericsson.se:/tmp](mailto:mapr@esekilxgp12.rnd.ki.sw.ericsson.se:/tmp)

cp /tmp/hive-site.xml /opt/mapr/hive/hive-2.3/conf/

6. after all configuration and changes done follow below instruction as :

In gp11:

-> switchoff HS2 and HM

-> wait for HS2,HM up at gp12

-> swithoff warden after changing /opt/mapr/conf.d/warden.hs2.conf and /opt/mapr/conf.d/warden.hm.conf

-> restart warden

In gp12

-> switchoff HS2 and HM

-> wait for HS2,HM up at gp11

-> swithoff warden after changing /opt/mapr/conf.d/warden.hs2.conf and /opt/mapr/conf.d/warden.hm.conf

-> restart warden

In gp01(HAproxy)

-> Switchoff HAproxy

-> Switch on

6. Test

hive --service beeline

!connect jdbc:hive2://esekilxgp11.rnd.ki.sw.ericsson.se:10000/default

!connect jdbc:hive2://esekilxgp12.rnd.ki.sw.ericsson.se:10000/default

!connect jdbc:hive2://esekilxgp01.rnd.ki.sw.ericsson.se:10001/default

hive --service beeline -u "jdbc:hive2://esekilxgp01.rnd.ki.sw.ericsson.se:10001/default"