

High availability on Hive Server2 and Hive metastore

~~~~~

### 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
```

```
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:

-> swithoff 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

-> swithoff 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"