**Enable Sentry**

**1.  On Terminal HDFS**

                sudo -su hdfs hadoop -chmod -R 771 /user/hive/warehouse

                sudo -su hdfs hadoop -chown -R hive:hive /user/hive/warehouse

**2.  On Cloudera**

                hive -> Configuration -> Under the "HiveServer2" role group, uncheck the "HiveServer2 Enable Impersonation" property, and click Save Changes.

                yarn -> Configuration -> Under a NodeManager role group go to the Security category -> Ensure the Allowed System Users property includes the hive user. If not, add hive and click Save Changes.

**3.  Enabling Sentry for Hive**

                Cloudera -> Hive -> Configuration -> In "Service-Wide" set the Sentry Service property to Sentry.

                Restart stale configuration

**4.  Allowing Groups and Users in Sentry**

                Sentry -> Configuration -> Search "Admin Groups" -> Add group (ex: qa, kyvos) -> Save (These Groups should be valid in Linux level)

                Sentry -> Configuration -> Search "Allowed Connectinf Users" -> Add users (ex: qa, kyvos) -> Save (These Users should be valid in Linux level)

                Restart Stale Configuration

**5.  In Beeline prompt**

·         create role role\_name; (ex: create role qa;)

·         grant role role\_name to group group\_name (ex: grant role qa to group qa;)

·         grant all on server server\_name to role role\_name (ex: grant all on server server1 to role qa;)

·         show databases;

·         create database db\_name;

·         grant all on database db\_name to role role\_name; (ex: grant all on database automationtables to qa;)

·         use db\_name;

·         CREATE External TABLE employee ( eid int, name String) ROW FORMAT DELIMITED FIELDS TERMINATED BY '\t' LINES TERMINATED BY '\n' STORED AS TEXTFILE;

                Previlages (Select previlage)

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-          GRANT SELECT ON DATABASE automationtables to ROLE qa;

-          GRANT SELECT ON DATABASE avromeenal to ROLE qa;

                To Kyvos Deployed User

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-          Find the Group name of deployed user (ex: groups kyvos)

-          grant role role\_name to group group\_name (ex: grant role qa to group kyvos;)