Exp. No:5

HIVE Installation

1. Download and Extract apache hive 3.1.2

```
arise@fedora:-$ 1:~/exp4$ cd ..

arise@fedora:-$ 1:~$ ls

bin.zip Desktop Downloads exp2 exp4 hadoop hive Pictures pig-0.16.0.tar.gz Templates

C Documents exp1 exp3 exp6 hadoop-3.4.0.tar.gz Music pig Public Videos

arise@fedora:-$ :~$ cd hive

larise@fedora:-$ :~/hive$ ls

bin binary-package-licenses

arise@fedora:-$ /hive$
```

2. Update HIVE Configurations in .bashrc

```
export HADOOP_CONF_DIR=$HADOOP_HON
                                          E/etc/hadoop
                                                          E/lib/native
export HADOOP_COMMON_LIB_NATIVE_DIR=$HADOOP_HO
export HADOOP_STREAMING=$HADOOP_HOME/share/hadoop/tools/lib/hadoop-streaming-3.4.0.jarexport HADOOP_LOG_DIR=$HADOOP_HOME/logs
export PDSH_RCMD_TYPE=ssh
#PIG settings
export PIG_HOME=/home/harithaah/pig
export PATH=$PATH:$PIG_HOME/bin
export PIG_CLASSPATH=$PIG_HOME/conf:$HADOOP_INSTALL/etc/hadoop/
export PIG_CONF_DIR=$PIG_HOME/conf
export JAVA_HOME=/usr/lib/jvm/jdk1.8.0_202
export PATH=$PATH:$JAVA_HOME/bin
export PIG_CLASSPATH=$PIG_CONF_DIR:$PATH
#PIG setting ends
export HIVE_HOME=/home/harithaah/hive
export HIVE_CONF_DIR=$HIVE_HOME/conf
export PATH=$PATH:$H
                                  /bin
export HADOOP_USER_CLASSPATH_FIRST=true
export CLASSPATH=$CLASSPATH:$HIVE_CONF_DIR:$HIVE_HOME/lib/*
```

3. Change directory to apache-hive-3.1.2-bin/conf

```
arise@fedora:-$ ive$ cd conf
arise@fedora:-$ ive/conf$ ls

beeline-log4j2.properties.template hive-env.sh.template hive-default.xml.template hive-exec-log4j2.properties.template hive-env.sh hive-log4j2.properties.template lap-cli-log4j2.properties.template
```

4. Create hive-env.sh

5. Install and Change mysql root password

```
Enter password:
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.0.39 Source distribution
Copyright (c) 2000, 2024, Oracle and/or its affiliates.
Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
mysql> SELECT user, host, plugin FROM mysql.user WHERE user = 'root';
| user | host | plugin
| root | localhost | mysql_native_password |
1 row in set (0.00 sec)
mysql> ALTER USER 'root'@'localhost' IDENTIFIED WITH 'mysql_native_password' BY 'hayag
reevan';
Query OK, 0 rows affected (0.62 sec)
mysql> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.12 sec)
mysql>
```

6. Create and configure hive-site.xml

```
GNU nano 7.2
                                     hive-site.xml
<name>javax.jdo.option.ConnectionURL</name>
<value>jdbc:mysql://localhost/metastore?createDatabaseIfNotExist=true</value>
<name>javax.jdo.option.ConnectionDriverName
(value>com.mysql.cj.jdbc.Driver</value>
<name>javax.jdo.option.ConnectionUserName</name>
value>root</value>
<name>javax.jdo.option.ConnectionPassword</name>
<value>hayagreevan</value>
cname>datanucleus.autoCreateSchema</name>
 value>true</value>
<name>datanucleus.fixedDatastore
(value>true</value>
<name>datanucleus.autoCreateTables
<value>True</value>
                           ^W Where Is
^G Help
              ^O Write Out
                                         ^K Cut
                                                       ^T Execute
                                                                     ^C Location
  Exit
                              Replace
                                            Paste
```

7. Download and Move mysql java connector to apache-hive-3.1.2-bin/lib

```
artsegfedora: $ 'a:-/hive/lib$ ls
accumulo-core-1.7.3.jar hbase-shaded-miscellaneous-1.0.1.jar jersey-media-jaxb-2.25.1.jar
accumulo-start-1.7.3.jar hbase-shaded-miscellaneous-1.0.1.jar jetty-annotations-9.3.20.v20170531.jar
accumulo-trace-1.7.3.jar hbase-shaded-protobuf-1.0.1.jar jetty-annotations-9.3.20.v20170531.jar
accumulo-trace-1.7.3.jar hbase-shaded-protobuf-1.0.1.jar jetty-annotations-9.3.20.v20170531.jar
accumulo-trace-1.7.3.jar hbase-shaded-protobuf-1.0.1.jar jetty-annotations-9.3.20.v20170531.jar
accumulo-trace-1.7.3.jar hive-accumulo-handler-3.1.2.jar jetty-los-3.20.v20170531.jar
ant-1.9.1.jar hive-accumulo-handler-3.1.2.jar jetty-io-9.3.20.v20170531.jar
antl-q-untime-4.5.jar hive-classification-3.1.2.jar jetty-jans-9.3.20.v20170531.jar
antl-q-runtime-3.5.2.jar hive-classification-3.1.2.jar jetty-jans-9.3.20.v20170531.jar
apache-evrator-2.12.0.pom hive-contrib-3.1.2.jar jetty-plus-9.3.20.v20170531.jar
apache-js-9.3.20.v20170531.jar hive-common-3.1.2.jar jetty-rewrite-9.3.20.v20170531.jar
apache-js-9.3.20.v20170531.jar hive-dud-handler-3.1.2.jar jetty-senuer-9.3.20.v20170531.jar
arrow-memory-0.8.0.jar hive-hatalog-core-3.1.2.jar jetty-security-9.3.20.v20170531.jar
arrow-memory-0.8.0.jar hive-hatalog-core-3.1.2.jar jetty-servet-9.3.20.v20170531.jar
asm-commons-5.0.1.jar hive-hatalog-core-all.2.jar jetty-servet-9.3.20.v20170531.jar
asm-commons-5.0.1.jar hive-hatalog-core-3.1.2.jar jetty-webapp-9.3.20.v20170531.jar
asm-commons-5.0.1.jar hive-jdbc-handler-3.1.2.jar jetty-webapp-9.3.20.v20170531.jar
asm-commons-5.0.1.jar hive-jdbc-handler-3.1.2.jar jetty-webapp-9.3.20.v20170531.jar
asm-tree-5.0.1.jar hive-jdbc-handler-3.1.2.jar jetty-webapp-9.3.20.v20170531.jar
awatica-1.11.0.jar hive-llap-common-3.1.2.jar joud-time-2.9.9.jar
avatica-1.1.1.0.jar hive-llap-common-3.1.2.jar joud-time-2.9.9.jar
boncep-0.8.0.8EEEE8E.jar
```

8. Execute schematool -initSchema -dbType mysql

9. Start hive

arise@fedora:~\$ ~/hive/lib\$ hive
which: no hbase in (/home/harithaah/.local/bin:/home/harithaah/bin:/usr/loome/harish/pig/bin:/usr/lib/jvm/jdk1.8.0_202/bin:/home/harish/hive/bin:/home/harithaah/hive/bin)
Hive Session ID = 96e0b2f2-a9ba-4037-9616-5a99c12eb17a

Logging initialized using configuration in jar:file:/home/harithaah/hive/lHive-on-MR is deprecated in Hive 2 and may not be available in the future ases.
Hive Session ID = adda9396-6722-4b3f-aa65-e22b4a70ea2b
hive>