# **Exp. No: 5**

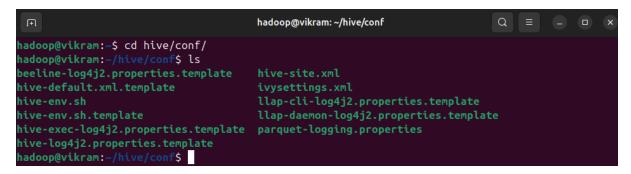
## **HIVE Installation**

1. Download and Extract apache hive 3.1.2

2. Update HIVE Configurations in .bashrc

```
hadoop@vikram: ~
  GNU nano 7.2
                                                    .bashrc
 f ! shopt -oq posix; then
  if [ -f /usr/share/bash-completion/bash_completion ]; then
     . /usr/share/bash-completion/bash_completion
  elif [ -f /etc/bash_completion ]; then
    . /etc/bash_completion
export JAVA_HOME=/usr/lib/jvm/java-8-openjdk-amd64
export HADOOP_HOME=/home/hadoop/hadoop
export HADOOP_INSTALL=
export HADOOP_MAPRED_HOME=$HA
export HADOOP_COMMON_HOME=
export HADOOP_HDFS_HOME=
export HADOOP_YARN_HOME=$HADOOP_HOME
export HADOOP_COMMON_LIB_NATIVE_DIR=$HADOOP_HOME/lib/native
                           P_HOME/sbin:$HADOOP
export PATH=
                                                      /bin
export HADOOP_OPTS="-Djava.library.path=$HADOOP_HOME/lib/native"
export HADOOP_STREAMING=$HADOOP_HOME/share HADOOP_LOG_DIR=$HADOOP_HOME/logs
                                        E/share/hadoop/tools/lib/hadoop-streaming-3.3.6.jar
export PDSH_RCMD_TYPE=ssh
#PIG settings
export PIG_HOME=/home/hadoop/pig
export PATH=
                             E/bin
                                ME/conf:$HADOOP_INSTALL/etc/hadoop/
export PIG CLASSPATH=
export PIG_CONF_DIR=$PIG_HOME/conf
export PIG_CLASSPATH=$PIG_CONF_DIR:$PATH
export HIVE_HOME="/home/hadoop/hive"
export HIVE_CONF_DIR=$HIVE_HO
                                  E/conf
export PATH=
export HADOOP USER CLASSPATH FIRST=true
   Help
                 ^O Write Out
                                     Where Is
                                                   ^K Cut
                                                                       Execute
                                                                                        Location
                    Read File
                                                                                        Go To Line
                                                      Paste
   Exit
                                     Replace
                                                                       Justify
```

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



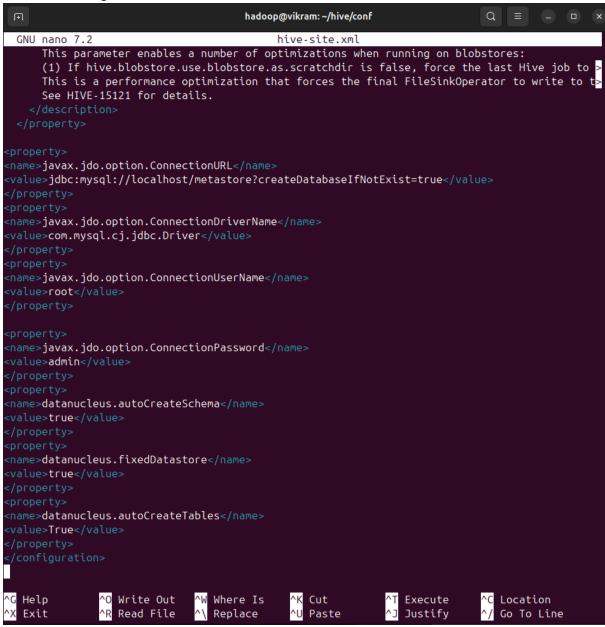
#### 4. Create hive-env.sh

```
hadoop@vikram: ~/hive/conf
 GNU nano 7.2
                                            hive-env.sh
 Licensed to the Apache Software Foundation (ASF) under one
See the License for the specific language governing permissions and
are running at the same time. The flags below have been useful in
   if [ -z "$DEBUG" ]; then
     export HADOOP OPTS="$HADOOP_OPTS -XX:NewRatio=12 -Xms10m -XX:MaxHeapFreeRatio=40 -XX:Mi>
     export HADOOP OPTS="$HADOOP_OPTS -XX:NewRatio=12 -Xms10m -XX:MaxHeapFreeRatio=40 -XX:Mi>
The heap size of the jvm stared by hive shell script can be controlled via:
                                     [ Read 57 lines ]
'G Help
                 Write Out
                                Where Is
                                                               Execute
                                                                              Location
                                                Cut
  Exit
                 Read File
                                Replace
                                                Paste
                                                               Justify
                                                                              Go To Line
```

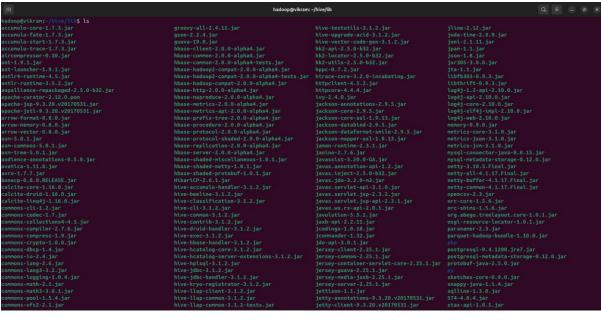
5. Install and Change mysql root password

```
hadoop@vikram: ~/hive/conf
hadoop@vikram:~/hive/conf$ mysql -u root -p
Enter password:
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.0.39-0ubuntu0.24.04.2 (Ubuntu)
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 'vikram';
Query OK, 0 rows affected (0.01 sec)
mysql> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.01 sec)
mysql>
```

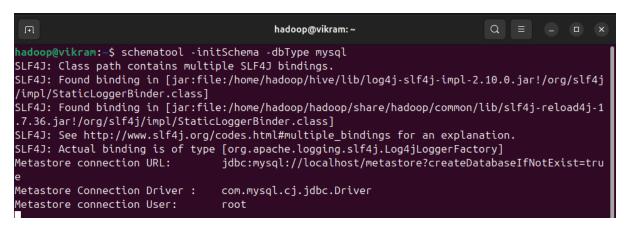
6. Create and configure hive-site.xml



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



### 8. Execute schematool -initSchema -dbType mysgl



## 9. Start hive

```
hadoop@vikram: ~
hadoop@vikram:~$ hive
SLF4J: Class path contains multiple SLF4J bindings.
SLF4J: Found binding in [jar:file:/home/hadoop/hive/lib/log4j-slf4j-impl-2.10.0.jar!/org/slf4j
/impl/StaticLoggerBinder.class]
SLF4J: Found binding in [jar:file:/home/hadoop/hadoop/share/hadoop/common/lib/slf4j-reload4j-1
.7.36.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: See http://www.slf4j.org/codes.html#multiple_bindings for an explanation.
SLF4J: Actual binding is of type [org.apache.logging.slf4j.Log4jLoggerFactory]
Hive Session ID = 6feca600-a9cb-4de7-9239-3cc5a125436b
Logging initialized using configuration in jar:file:/home/hadoop/hive/lib/hive-common-3.1.2.ja
r!/hive-log4j2.properties Async: true
Hive Session ID = c9dd9669-5b93-4688-8924-a1d2c9852684
Hive-on-MR is deprecated in Hive 2 and may not be available in the future versions. Consider {\sf u}
sing a different execution engine (i.e. spark, tez) or using Hive 1.X releases.
hive>
```