# **Exp. No : 5**

## **HIVE Installation**

1. Download and Extract apache hive 3.1.2

```
helen@fedora:~$ ls

apache-hive-3.1.2-bin.tar.gz exp3 pig

Desktop hadoop pig-0.16.0.tar.gz

Documents hadoop-3.3.6.tar.gz pig_1728730208055.log

Downloads hive Public

exp1 Music Templates

exp2 Pictures Videos

helen@fedora:~$ cd hive
helen@fedora:~/hive$ ls

bin examples lib RELEASE_NOTES.txt

binary-package-licenses hcatalog LICENSE scripts

conf jdbc NOTICE
```

2. Update HIVE Configurations in .bashrc

```
export HADOOP_COMMON_LIB_NATIVE_DIR=$HADOOP_HOME/lib/native
export HADOOP_OPTS="-Djava.library.path=$HADOOP_HOME/lib/native"
export HADOOP_STREAMING=$HADOOP_HOME/share/hadoop/tools/lib/hadoop-streaming-3.3.6.jar
export HADOOP_LOG_DIR=$HADOOP_HOME/logs
export PDSH_RCMD_TYPE=ssh

#PIG settings
export PIG_HOME=/home/helen/pig
export PATH=$PATH:$PIG_HOME/bin
export PIG_CLASSPATH=$PIG_HOME/conf:$HADOOP_INSTALL/etc/hadoop/
export PIG_CONF_DIR=$PIG_HOME/conf
export JAVA_HOME=/usr/lib/jvm/java-11-openjdk
export PIG_CLASSPATH=$PIG_CONF_DIR:$PATH
#PIG setting ends

export HIVE_HOME=/home/helen/hive
export PATH=$PATH:$HIVE_HOME/bin
export HADOOPUSERCLASSPATHFIRST=true
```

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

```
helen@fedora:~/hive$ cd conf
helen@fedora:~/hive/conf$ ls
beeline-log4j2.properties.template hive-default.xml.template ivysettings.xml
hive-env.sh llap-cli-log4j2.properties.template hive-env.sh.template hive-exec-log4j2.properties.template parquet-logging.properties
hive-log4j2.properties.template
```

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

## 5. Install and Change mysql root password

6. Create and configure hive-site.xml

```
<!-- WARNING!! Any changes you make to this fite witt be ignored by Hive. -->
<!-- WARNING!! You must make your changes in hive-site.xml instead. -->
<!-- WARNING!! You must make your changes in hive-site.xml instead. -->
<!-- Warning!! You must make your changes in hive-site.xml instead. -->
<!-- Warning!! You must make your changes in hive-site.xml instead. -->

</pr
```

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

```
helen@fedora:-$ cd hive
helen@fedora:-/hive$ cd lib
helen@fedora:-/hive/lib$ ls
accumulo-core-1.7.3.jar
accumulo-fate-1.7.3.jar
accumulo-start-1.7.3.jar
accumulo-trace-1.7.3.jar
arircompressor-0.10.jar
ant-1.9.1.jar
ant-1.9.1.jar
antlr-runtime-4.5.jar
antlr-runtime-3.5.2.jar
aopalliance-repackaged-2.5.0-b32.jar
apache-curator-2.12.0.pom
apache-jsp-9.3.20.v20170531.jar
apache-jstl-9.3.20.v20170531.jar
arrow-format-0.8.0.jar
arrow-memory-0.8.0.jar
arrow-wector-0.8.0.jar
asm-5.0.1.jar
asm-5.0.1.jar
asm-tree-5.0.1.jar
asm-tree-5.0.1.jar
avatica-1.11.0.jar
```

## 8. Execute schematool -initSchema -dbType mysql

### 9. Start hive

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

Logging initialized using configuration in jar:file:/home/harithaah/hive/l
Hive-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>