Exp. No: 5

HIVE Installation

1. Download and Extract apache hive 3.1.2

```
... To more
prini@fedora:-$ ls
pache-hive-3.1.2-bin.tar.gz
pataAnalytics_Lab_Manual-Exercise 1 to 5.pdf'
pigs_0.16.0.tar.gz
pig_1728671054366.log
pig_1728718866666.log
pig_1728724086202.log
pig_1728724086202.log
pig_1728726526507.log
pig_1728726526507.log
Public
sample.txt
Templates
videos

rini@fedora:-$ cd hive
rini@fedora:-$ cd hive
```

2. Update HIVE Configurations in .bashrc

```
rc
export JAVA_HOME=/usr/lib/jvm/java-11-openjdk
export PATH=$PATH:/usr/lib/jvm/java-11-openjdk/bin
export HADOOP_HOME=-/hadoop
export HADOOP_HOME=-/hadoop
export HADOOP_MOME=-/hadoop_HOME
export HADOOP_MOME=-/hadoop_HOME
export HADOOP_MOMEDIR=-$HADOOP_HOME
export HADOOP_CONE_DIR=-$HADOOP_HOME
export HADOOP_CONE_DIR=-$HADOOP_HOME
export HADOOP_COMEDIR=-$HADOOP_HOME/lib/native
export HADOOP_COMEDIR=-$HADOOP_HOME/lib/native
export HADOOP_STREAMING=$HADOOP_HOME/share/hadoop/tools/lib/native
export HADOOP_STREAMING=$HADOOP_HOME/share/hadoop/tools/lib/hadoop-streaming-3.3.6.jar
export HADOOP_LOG_DIR=SHADOOP_HOME/logs
export PATH=$PATH:$PIG_HOME/bin
export PIG_HOME-/home/harini/pig
export PATH=$PATH:$PIG_HOME/bin
export PIG_COME_DIR=SPIG_HOME/conf:$HADOOP_INSTALL/etc/hadoop/
export JAVA_HOME=/usr/lib/jvm/java-11-openjdk
export JAVA_HOME=/usr/lib/jvm/java-11-openjdk
export PIG_CASSPATH=$PIG_COME_DIR:$PATH
PIG setting ends
```

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

```
narini@fedora:~/hive$ cd conf
narini@fedora:~/hive/conf$ ls
peeline-log4j2.properties.template hive-site.xml
nive-default.xml.template hive-site.xml.save
nive-env.sh ivysettings.xml
llap-cli-log4j2.properties.template
nive-exec-log4j2.properties.template llap-daemon-log4j2.properties.template
nive-log4j2.properties.template parquet-logging.properties
```

4. Create hive-env.sh

5. Install and Change mysql root password

6. Create and configure hive-site.xml

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

```
harini@fedora:-/hive cd lib
harini@fedora:-/hive/lib ls
accumulo-core-1.7.3.jar hbase-shaded-miscellaneous-1.0.1.jar jetty-annotations-9.3.20.v20170531.jar
accumulo-fate-1.7.3.jar hbase-shaded-protobuf-1.0.1.jar jetty-annotations-9.3.20.v20170531.jar
accumulo-tarte-1.7.3.jar hbase-shaded-protobuf-1.0.1.jar jetty-client-9.3.20.v20170531.jar
accumulo-tarce-1.7.3.jar hbase-shaded-protobuf-1.0.1.jar jetty-client-9.3.20.v20170531.jar
accumulo-tarce-1.7.3.jar hive-accumulo-handler-3.1.2.jar jetty-in-9.3.20.v20170531.jar
aircompressor-0.10.jar hive-accumulo-handler-3.1.2.jar jetty-jnd-9.3.20.v20170531.jar
ant-launcher-1.9.1.jar hive-classification-3.1.2.jar jetty-jndi-9.3.20.v20170531.jar
ant-launcher-1.9.1.jar hive-classification-3.1.2.jar jetty-promise-9.3.20.v20170531.jar
antl-runtime-3.5.2.jar hive-classification-3.1.2.jar jetty-promise-9.3.20.v20170531.jar
apaclar-jap-9.3.20.v20170531.jar hive-common-3.1.2.jar jetty-schemas-3.1.jar
apache-curator-2.12.0.pom
hive-druid-handler-3.1.2.jar jetty-schemas-3.1.jar
apache-jst-9.3.20.v20170531.jar hive-hota-3.1.2.jar jetty-schemas-3.1.jar
apache-jst-9.3.20.v20170531.jar hive-hota-3.1.2.jar jetty-schemas-3.1.jar
arrow-menory-0.8.0.jar hive-hota-1.2.jar jetty-schemas-3.1.2.jar jetty-schemas-3.1.2.jar
asm-tow-menory-0.8.0.jar hive-hota-1.2.jar jetty-schet-9.3.20.v20170531.jar
arrow-vector-0.8.0.jar hive-hota-1.2.jar jetty-schet-9.3.20.v20170531.jar
asm-commons-5.0.1.jar hive-jdbc-handler-3.1.2.jar jetty-schep-9.3.20.v20170531.jar
asm-commons-5.0.1.jar hive-jdbc-handler-3.1.2.jar jetty-schep-9.3.20.v20170531.jar
asm-commons-5.0.1.jar hive-jdbc-handler-3.1.2.jar jetty-schep-9.3.20.v20170531.jar
asm-commons-5.0.1.jar hive-lipa-common-3.1.2.jar jetty-schep-9.3.20.v20170531.jar
asm-commons-5.0.1.jar hive-lipa-common-3.1.2.jar jetty-schep-9.3.20.v20170531.jar
andience-annotations-0.5.0.jar
hive-lipa-common-3.1.2.jar jetty-schep-9.3.20.v20170531.jar
avatica-1.11.0.jar hive-lipa-common-3.1.2.jar jetty-schep-9.3.20.v20170531.jar
bive-lipa-common-3.1.2.jar jetty-schep-9.3.20.v20170531
```

8. Execute schematool -initSchema -dbType mysql

```
If4j-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]

Metastore connection URL: jdbc:mysql://localhost/metastore?createDatabaseIfNo

tExist=true

Metastore Connection Driver: com.mysql.cj.jdbc.Driver

Metastore connection User: root

Starting metastore schema initialization to 3.1.0

Initialization script hive-schema-3.1.0.mysql.sql
```

9. Start hive

arini@fedora:~\$ hive

which: no hbase in (/home/harini/.local/bin:/home/harini/bin:/usr/local/bin:/usr/local/sbin:/usr/bin:/usr/sbin:/usr/lib/jvm/java-11-openjdk/bin:/home/ n:/home/harini/pig/bin:/home/harini/hive/bin:/usr/lib/jvm/java-11-openjdk/bin:/home/harini/hadoop/bin:/home/harini/hadoop/sbin:/home/harini/pig/bin:/h SLF4J: Class path contains multiple SLF4J bindings.

SLF4J: Found binding in [jar:file:/home/harini/hive/lib/log4j-slf4j-impl-2.10.0.jar!/org/slf4j/impl/StaticLoggerBinder.class]

SLF4J: Found binding in [jar:file:/home/harini/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.slf4i.log4iLoggerFactory]