Exp. No : 5

HIVE Installation

1. Download and Extract apache hive 3.1.2

```
narithaah@fedora:~/exp4$ cd ...
narithaah@fedora:~$ ls

pin.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

narithaah@fedora:~$ cd hive

narithaah@fedora:~/hive$ ls

pin binary-package-licenses
narithaah@fedora:~/hive$

conf examples hcatalog jdbc lib LICENSE NOTICE RELEASE_NOTES.txt scripts

narithaah@fedora:~/hive$
```

2. Update HIVE Configurations in .bashrc

```
export HADOOP_CONF_DIR=$HADOOP_HOME/etc/hadoop
export HADOOP_COMMON_LIB_NATIVE_DIR=$HADOOP_HOME/lib/native
export HADOOP_STREAMING=$HADOOP_HOME/share/hadoop/tools/lib/hadoop-streaming-3.4.0.jar
export HADOOP_LOG_DIR=$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=$PAT
                                      /bin
export HADOOP_USER_CLASSPATH_FIRST=true
                                           E_CONF_DIR:$HIVE_HOME/lib/*
 export CLASSPATH=$CLASSPATH:$HI
```

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

```
harithaah@fedora:~/hive$ cd conf
harithaah@fedora:~/hive/conf$ ls
beeline-log4j2.properties.template hive-env.sh.template hive-site.xml llap-daemon-log4j2.properties.template
hive-default.xml.template hive-exec-log4j2.properties.template ivysettings.xml parquet-logging.properties
hive-env.sh hive-log4j2.properties.template llap-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';
| root | localhost | mysql_native_password |
1 row in set (0.00 sec)
mysql> ALTER USER 'root'@'localhost' IDENTIFIED WITH 'mysql_native_password' BY 'hayag
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</name>
(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</name>
(value>true</value>
<name>datanucleus.autoCreateTables
<value>True</value>
^G Help
              ^O Write Out
                            ^W Where Is
                                          ^K Cut
                                                         ^T Execute
                                                                       ^C Location
  Exit
                                             Paste
                               Replace
```

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

```
### Narithaah@fedora:-/hive$ cd lib harithaah@fedora:-/hive\tils ls |
### Sacumulo-ore=1.7.3.jar |
### sacumulo-fate-1.7.3.jar |
### sacumulo-fate-1.7.3.jar |
### sacumulo-fate-1.7.3.jar |
### sacumulo-start-1.7.3.jar |
### sacumulo-start-1.9.1.jar |
### sacumulo-start-1.9.1.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/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/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>
```