

Exp. No : 5

HIVE Installation

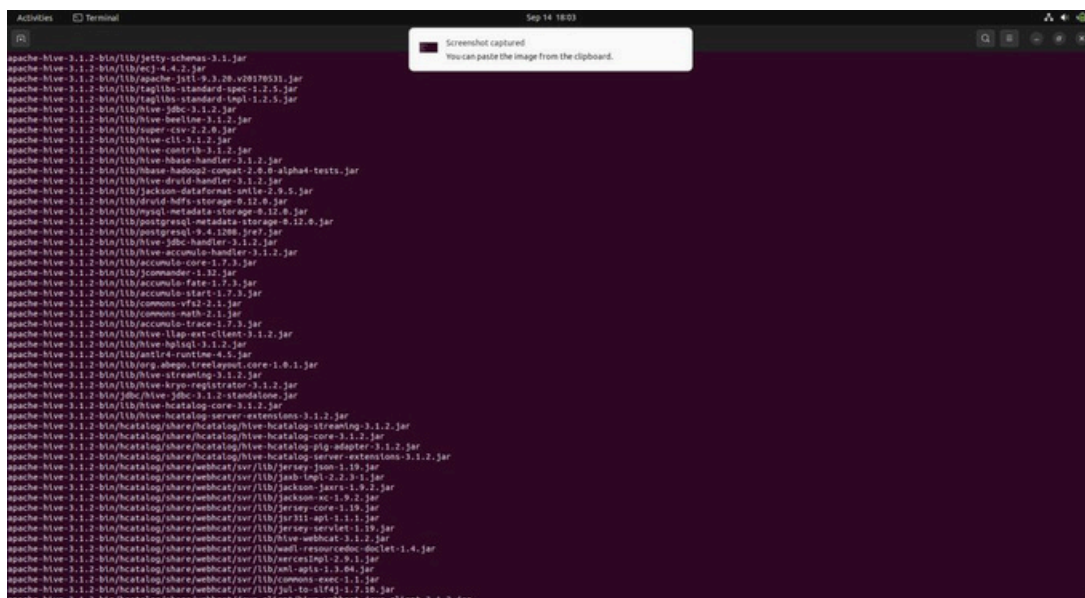
1. Download and Extract apache hive 3.1.2

```
hadoop@koushiki:~$ wget https://archive.apache.org/dist/hive/hive-3.1.2/apache-hive-3.1.2-bin.tar.gz
--2024-09-14 18:01:33-- https://archive.apache.org/dist/hive/hive-3.1.2/apache-hive-3.1.2-bin.tar.gz
Resolving archive.apache.org (archive.apache.org)... 65.108.204.189, 2a01:4f9:1a:a084::12
Connecting to archive.apache.org (archive.apache.org)|65.108.204.189|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 278813748 (266M) [application/x-gzip]
Saving to: 'apache-hive-3.1.2-bin.tar.gz'

apache-hive-3.1.2-bin.tar.gz      100%[=====] 265.90M  12.1MB/s   in 25s

2024-09-14 18:01:59 (10.4 MB/s) - 'apache-hive-3.1.2-bin.tar.gz' saved [278813748/278813748]

hadoop@koushiki:~$
```



- Update HIVE Configurations in .bashrc


```

export JAVA_HOME=/usr/lib/jvm/java-8-openjdk-and64
export HADOOP_HOME=/home/hadoop/hadoop
export HADOOP_INSTALL=$HADOOP_HOME
export HADOOP_MAPRED_HOME=$HADOOP_HOME
export HADOOP_COMMON_HOME=$HADOOP_HOME
export HADOOP_HDFS_HOME=$HADOOP_HOME
export HADOOP_YARN_HOME=$HADOOP_HOME
export HADOOP_COMMON_LIB_NATIVE_DIR=$HADOOP_HOME/lib/native
export PATH=$PATH:$HADOOP_HOME/sbin:$HADOOP_HOME/bin
export HADOOP_OPTS="-Djava.library.path=$HADOOP_HOME/lib/native"
export HADOOP_STREAMING=/home/hadoop/hadoop/share/hadoop/tools/lib/hadoop-streaming-3.3.6.jar
# PIG settings
export PIG_HOME=/home/hadoop/ply
export PATH=$PATH:$PIG_HOME/bin
export PIG_CLASSPATH=$PIG_HOME/conf:$HADOOP_INSTALL/etc/hadoop/
export PIG_CONF_DIR=$PIG_HOME/conf
export JAVA_HOME=/usr/lib/jvm/java-8-openjdk-and64
export PIG_CLASSPATH=$PIG_CONF_DIR:$PATH
# PIG settings end
export HIVE_HOME=/home/hadoop/apache-hive-3.1.2-bin
export PATH=$PATH:$HIVE_HOME/bin
export HADOOP_USER_CLASSPATH_FIRST=true

```

Save modified buffer?

Y Yes

N No  Cancel

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

```

hadoop@koushik~$ mv apache-hive-3.1.2-bin hive
hadoop@koushik~$ cd hive
hadoop@koushik~/hive$ cp conf/hive-default.xml.template conf/hive-site.xml
hadoop@koushik~/hive$ nano conf/hive-site.xml
hadoop@koushik~/hive$ hdfs dfs -mkdir /user
mkdir: Call From kiran/127.0.1.1 to localhost:9000 failed on connection exception:

```

- start-all.sh

```

hadoop@koushik~/hive$ start-all.sh
WARNING: Attempting to start all Apache Hadoop daemons as hadoop in 10 seconds.
WARNING: This is not a recommended production deployment configuration.
WARNING: Use CTRL-C to abort.
Starting namenodes on [localhost]
Starting datanodes
Starting secondary namenodes [kiran]
Starting resourcemanager
Starting nodemanagers

```

- \$HIVE_HOME/bin

6. \$hive

7. SQL commands

```
hive> CREATE VIEW myview AS SELECT name, id FROM finance_table;
OK
Time taken: 0.498 seconds
hive> SELECT * FROM myview;
OK
Alice      1
Bob        2
Charlie    3
Time taken: 0.495 seconds, Fetched: 3 row(s)
hive>
```

```
hive> DESCRIBE finance_table;
OK
id          int
name        string
Time taken: 0.169 seconds, Fetched: 2 row(s)
hive> ALTER TABLE finance_table ADD COLUMNS (age INT);
OK
Time taken: 0.338 seconds
hive>
```

```
Time taken: 0.338 seconds
hive> quit
> quit;
NoViableAltException(240[[]])
    at org.apache.hadoop.hive.ql.parse.HiveParser.statement(HiveParser.java:1387)
    at org.apache.hadoop.hive.ql.parse.ParseDriver.parse(ParseDriver.java:220)
    at org.apache.hadoop.hive.ql.parse.ParseUtils.parse(ParseUtils.java:74)
    at org.apache.hadoop.hive.ql.parse.ParseUtils.parse(ParseUtils.java:67)
    at org.apache.hadoop.hive.ql.Driver.compile(Driver.java:616)
    at org.apache.hadoop.hive.ql.Driver.compileInternal(Driver.java:1826)
    at org.apache.hadoop.hive.ql.Driver.compileAndRespond(Driver.java:1773)
    at org.apache.hadoop.hive.ql.Driver.compileAndRespond(Driver.java:1768)
    at org.apache.hadoop.hive.ql.rexec.ReExecDriver.compileAndRespond(ReExecDriver.java:126)
    at org.apache.hadoop.hive.ql.rexec.ReExecDriver.run(ReExecDriver.java:214)
    at org.apache.hadoop.hive.cli.CliDriver.processLocalCmd(CliDriver.java:239)
    at org.apache.hadoop.hive.cli.CliDriver.processCmd(CliDriver.java:188)
    at org.apache.hadoop.hive.cli.CliDriver.processLine(CliDriver.java:402)
    at org.apache.hadoop.hive.cli.CliDriver.executeDriver(CliDriver.java:821)
    at org.apache.hadoop.hive.cli.CliDriver.run(CliDriver.java:759)
    at org.apache.hadoop.hive.cli.CliDriver.main(CliDriver.java:683)
    at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
    at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
    at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
    at java.lang.reflect.Method.invoke(Method.java:498)
    at org.apache.hadoop.util.RunJar.run(RunJar.java:328)
    at org.apache.hadoop.util.RunJar.main(RunJar.java:241)
FAILED: ParseException line 1:0 cannot recognize input near 'quit' 'quit' '<EOF>'
hive> quit;
```