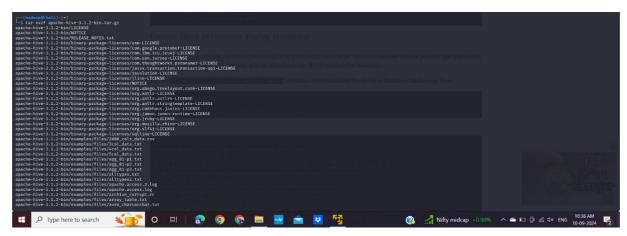
#### EXP NO: 5

### **INSTALLATION OF HIVE**

**\$wget** <a href="https://archive.apache.org/dist/hive/hive-3.1.2/apache-hive-3.1.2-bin.tar.gz">https://archive.apache.org/dist/hive/hive-3.1.2/apache-hive-3.1.2-bin.tar.gz</a>



\$tar xvzf apache-hive-3.1.2-bin.tar.gz



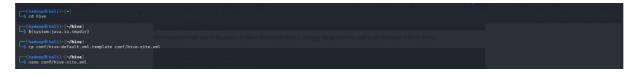
\$mv apache-hive-3.1.2-bin hive

\$nano ~/.bashrc

\$source ~/.bashrc

\$cd hive

\$cp conf/hive-default.xml.template conf/hive-site.xml



\$nano conf/hive-site.xml

#### \$start-all.sh

# \$ jps

```
(hadoop® kali)-[~]

§ jps

Picked up _JAVA_OPTIONS: -Dawt.useSystemAAFontSettings=on -Dswing.aatext=true

14436 NodeManager

16772 Jps

13830 SecondaryNameNode

14311 ResourceManager

13597 DataNode

13471 NameNode
```

\$hdfs dfs -mkdir /user

\$hdfs dfs -mkdir /user/hive

\$hdfs dfs -mkdir /user/hive/warehouse

\$hdfs dfs -mkdir /user/tmp

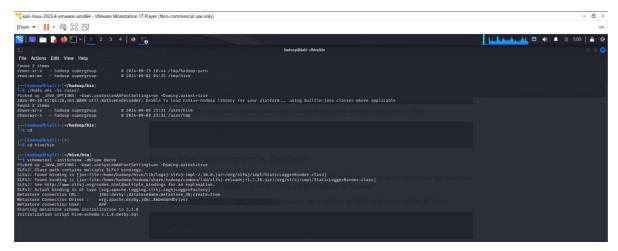
\$hdfs dfs -chmod g+w /user/tmp

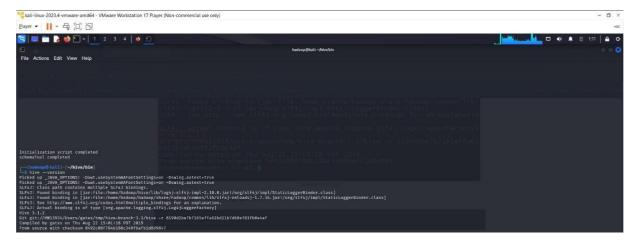
\$hdfs dfs -chmod g+w /user/hive/warehouse

```
(hadoop® kali)-[~/hadoop/bin]
$ ./hdfs dfs -ls /user/
Picked up _JAVA_OPTIONS: -Dawt.useSystemAAFontSettings=on -Dswing.aatext=true
2024-09-10 01:04:28,163 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform ...
Found 2 items
drwxr-xr-x - hadoop supergroup 0 2024-09-09 23:31 /user/hive
drwxrwxr-x - hadoop supergroup 0 2024-09-09 23:31 /user/tmp
```

### \$cd \$HIVE HOME/bin

# \$schematool -initSchema -dbType derby





### \$hive

### >show databases;



## > CREATE DATABASE financials;

```
hive> CREATE DATABASE financials;
OK
Time taken: 0.591 seconds
```

### > use financials;

```
hive> use financials;
OK
Time taken: 0.229 seconds
```

> CREATE TABLE finance\_table( id INT, name STRING );

```
hive> CREATE TABLE finance_table( id INT, name STRING );
OK
Time taken: 2.536 seconds
```

> INSERT INTO finance\_tableVALUES (1, 'Alice'), (2, 'Bob'), (3, 'Charlie');

```
hive> INSERT INTO finance_table VALUES (1, 'Alice'), (2, 'Bob'), (3, 'Charlie');
Query ID - hadoop_20240910011318_759e97f4-dbcc-4020-a345-37b6aac0dbbf
Total jobs - 3
Launching Job 1 out of 3
Number of reduce tasks determined at compile time: 1
In order to change the average load for a reducer (in bytes):
set hive.vex.c.reducers.bytes.per.reducer<number>
In order to limit the maximum number of reducers:
set hive.vex.c.reducers.max-<number>
In order to set a constant number of reducers:
set hive.vex.c.reducers.max-<number>
In order to set a constant number of reducers:
set mapreduce.job.reduces-on.mberor
Starting Job - job.j725938931910_0001, Tracking URL - http://kali:8088/proxy/application_1725938931910_0001/
Kill Command - /home/hadoop/hadoop/bin/mapred job -kill job_1725938931910_0001
Hadoop job information for Stage-I: number of mappers: 1; number of reducers: 1
2024-09-10 01:14:33,475 Stage-I map = 0%, reduce = 0%, Cumulative CPU 20.45 sec
2024-09-10 01:15:13,392 Stage-I map = 100%, reduce = 100%, Cumulative CPU 33.61 sec
MapReduce Total cumulative CPU time: 33 seconds 610 msec
Ended Job = job_1725938931910_0001
Stage-4 is relitered out by condition resolver.
Stage-3 is filtered out by condition resolver.
Stage-5 is filtered out by condition resolver.
Stage-6 is filtered out by condition resolver.
Stage-7 is filtered out by condition resolver.
Stage-8 is filtere
```

### > CREATE VIEW myview AS SELECT name, id FROM finance\_table;

```
hive> CREATE VIEW myview AS SELECT name, id FROM finance_table;
OK
Time taken: 0.82 seconds
```

## > SELECT \* FROM myview;

```
hive> SELECT * FROM myview;
OK
Alice 1
Bob 2
Charlie 3
Time taken: 0.716 seconds, Fetched: 3 row(s)
hive>
```

### > DESCRIBE finance\_table;

```
hive> DESCRIBE finance_table;
OK
id int
name string
Time taken: 0.348 seconds, Fetched: 2 row(s)
```

### > ALTER TABLE finance\_table ADD COLUMNS (age INT);

## >quit;

```
hive> ALTER TABLE finance_table ADD COLUMNS (age INT);
OK
Time taken: 0.457 seconds
hive> quit;
```