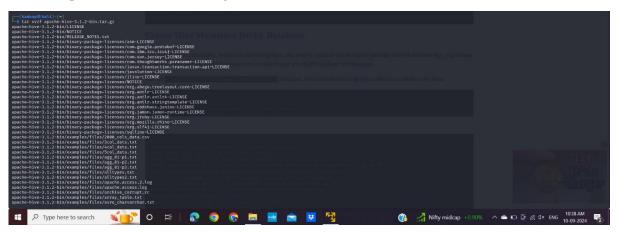
### EXP NO: 5

## **INSTALLATION OF HIVE**

**\$wget** https://archive.apache.org/dist/hive/hive-3.1.2/apache-hive-3.1.2-bin.tar.gz



\$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

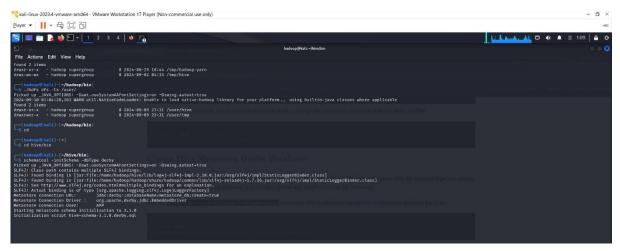
\$hdfs dfs -mkdir /user/tmp

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

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

## \$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> IMSERT INTO finance_table VALUES (1, 'Alice'), (2, 'Bob'), (3, 'Charlie');

Query ID = haddon_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_eve_reducers_tytes_per_reducers_cumber>
In order to to limit the maximum number of reducers:
In order to set a constant number of reducers:
set mapreduce_jobs_reduces=cnumber>
Starting_Job = job_17250389391910_0001, Tracking_URL = http://kali:8088/proxy/application_1725938931910_0001/
Kill Command = /home/haddomy/haddomy/bin/mapred_job = kill job_1725938931910_0001

Kill Command = /home/haddomy/haddomy/bin/mapred_job = kill job_1725938931910_0001

Haddom_job_information for Stage-1: number of mappers: 1; number of reducers: 1

2022-09-10 0115:171,302 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 20.45 sec
2024-09-10 0115:173,405 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 33.61 sec

1004 Job = job_172503931910_001

Stage-4 is selected by condition resolver.

Stage-3 is filtered out by condition r
```

## > 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;
```