

Experiment No 5: Hive database and tables

Aim: Using Hive to create tables and databases .

Procedure:

1.First Open Terminal and Run hive ,after initializing hive ,we will create table

2.To create table using hive use the following commands

>Create table if not exists emp(empid int,name String,work String,address String)

>row format delimited

>fields terminated by ','

>Stored as textfile;

3.After creating a table we will import data from a text file ,create a text file containing the data you want to store in the table by using the command vim data.txt and then add data into the text file and then save it .

4.To transfer data from home cloudera to hdfs we will use the command

>hadoop fs -put /home/cloudera/data/txt /user

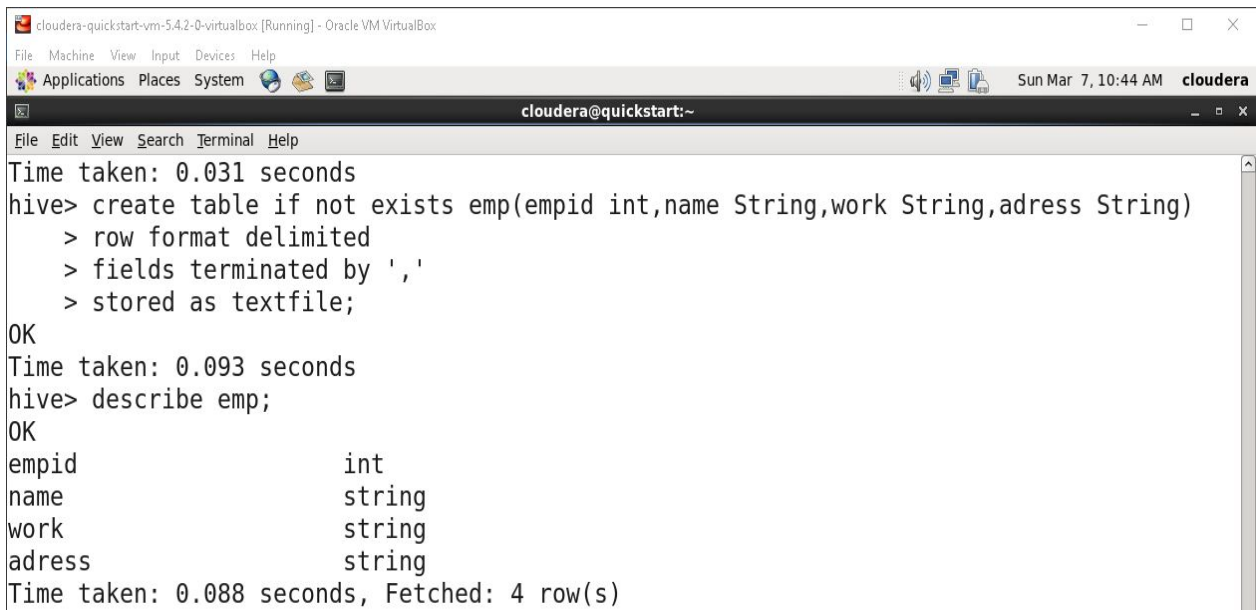
5.To load data into the table we will use the command

>load data inpath 'user/data.txt' overwrite into table emp;

6.To check if we have successfully transferred the data we will use the command >select * from emp; This should show us all the data that we wrote in the text file and you are done !

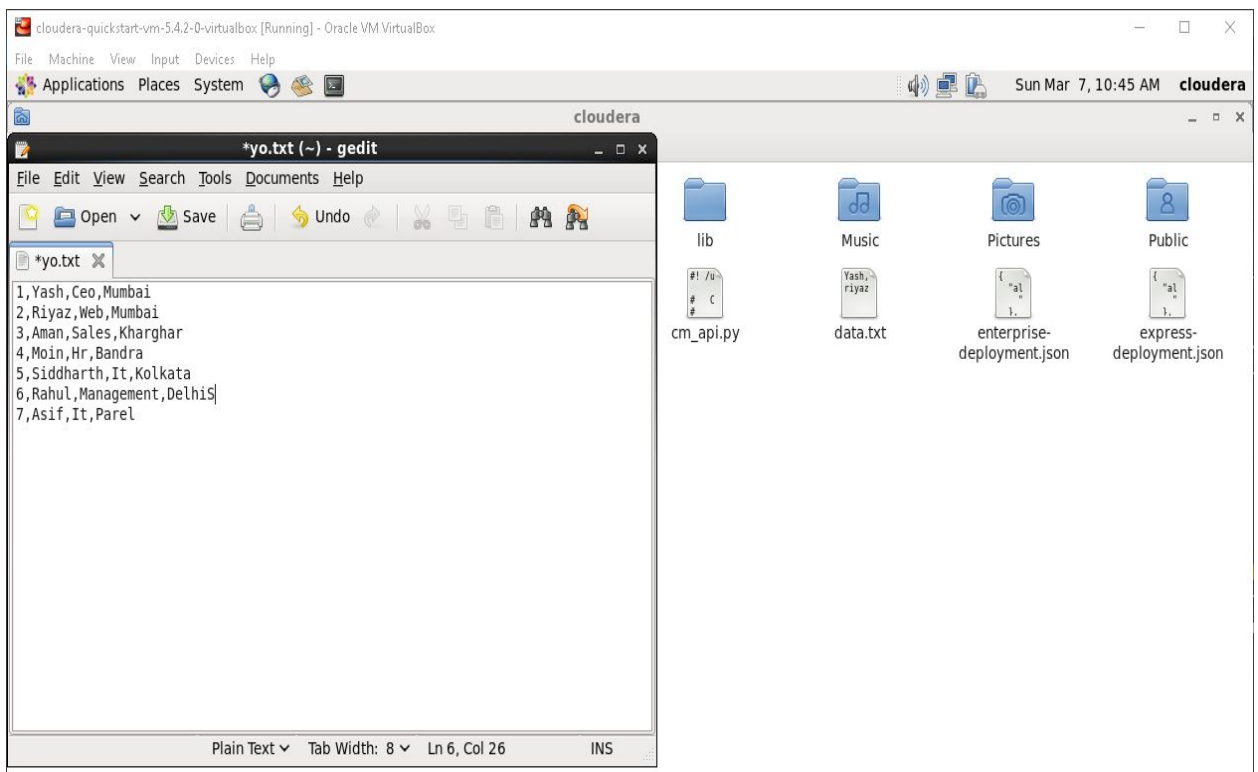
Result :You Have successfully used hive to create database and transferred data from local system to the hive table

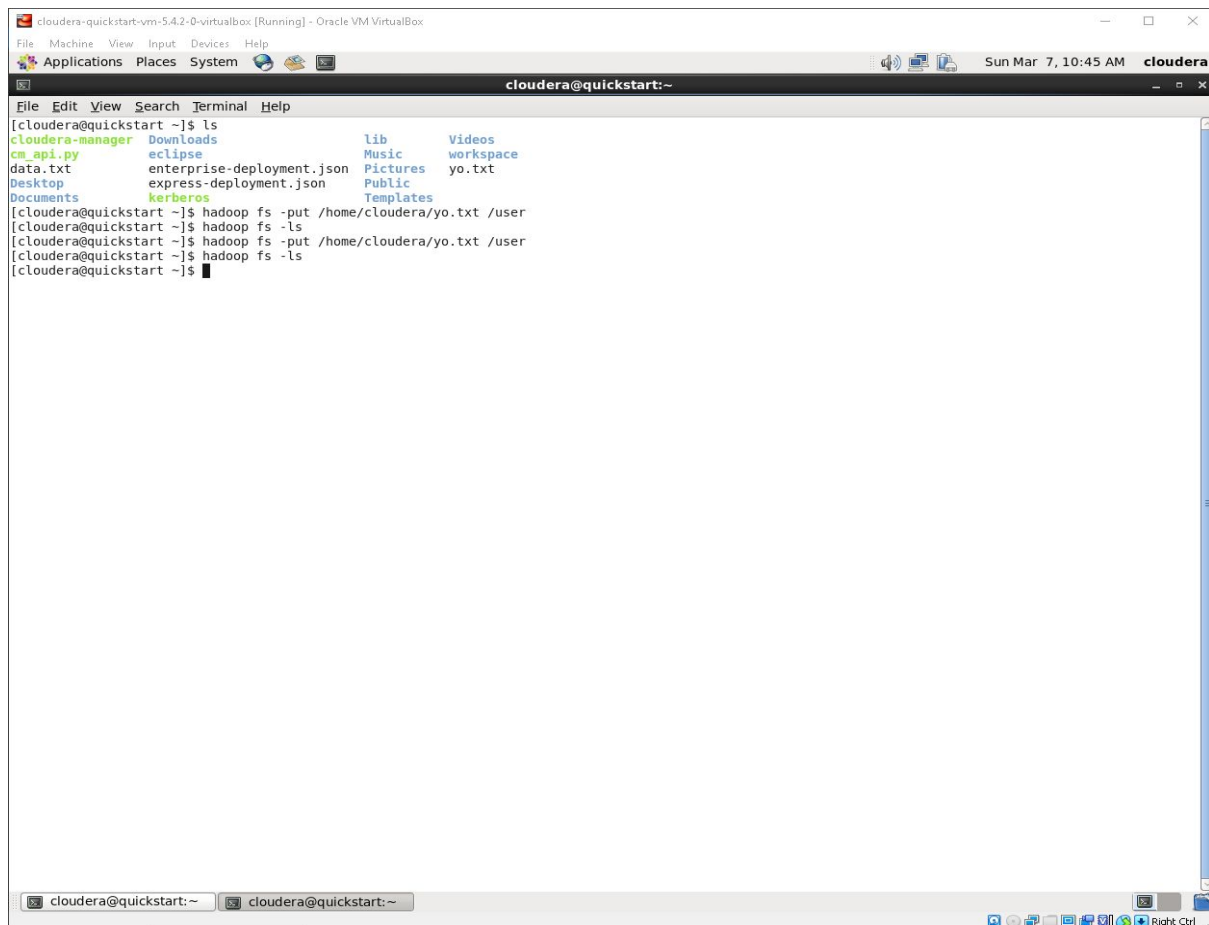
ScreenShots:



The screenshot shows a terminal window titled "cloudera-quickstart-vm-5.4.2-0-virtualbox [Running] - Oracle VM VirtualBox". The terminal prompt is "cloudera@quickstart:~". The user has entered the following commands and received the following output:

```
Time taken: 0.031 seconds
hive> create table if not exists emp(empid int,name String,work String,adress String)
> row format delimited
> fields terminated by ','
> stored as textfile;
OK
Time taken: 0.093 seconds
hive> describe emp;
OK
empid                int
name                  string
work                  string
adress                string
Time taken: 0.088 seconds, Fetched: 4 row(s)
```





```
hive> load data inpath '/user/yo.txt' overwrite into table emp;
Loading data to table default.emp
chgrp: changing ownership of 'hdfs://quickstart.cloudera:8020/user/hive/warehouse/emp/yo
er does not belong to hive
Table default.emp stats: [numFiles=1, numRows=0, totalSize=140, rawDataSize=0]
OK
Time taken: 0.345 seconds
hive> select * from emp;
OK
1      Yash      Ceo      Mumbai
2      Riyaz    Web      Mumbai
3      Aman     Sales    Kharghar
4      Moin     Hr       Bandra
5      Siddharth It       Kolkata
6      Rahul    Management Delhi
7      Asif     It       Parel
Time taken: 0.085 seconds, Fetched: 7 row(s)
hive>
```

