

The screenshot shows a web browser window with multiple tabs open. The active tab displays a blog post from edureka.co titled "Hive Commands with Examples". The post includes a section on creating tables in Hive and moving data from HDFS to Hive tables. A "Subscribe" button is visible at the bottom right of the page.

When we create a table in hive, it creates in the default location of the hive warehouse. – "/user/hive/warehouse", after creation of the table we can move the data from HDFS to hive table.

The following command creates a table with in location of "/user/hive/warehouse/retail.db"

Note : retail.db is the database created in the Hive warehouse.

```
hive> create table txnrecords(txnno INT, txndate STRING, custno INT, amount DOUBLE,category STRING, product STRING, city STRING, state STRING, spendby STRING) row format delimited fields terminated by ',' stored as textfile;
OK
Time taken: 1.163 seconds
hive>
```

Describe provides information about the schema of the table.

```
hive> describe txnrecords;
OK
txnno    int
txndate  string
custno   int
amount    double
category  string
product   string
city      string
state     string
spendby   string
Time taken: 0.122 seconds
hive>
```

The screenshot shows a Windows desktop environment. At the top, there is a search bar with placeholder text "Type here to search". Below the search bar is a taskbar with various pinned icons, including File Explorer, Microsoft Edge, Google Chrome, and several Microsoft Office applications. On the left side of the screen, there is a large advertisement for "Comprehensive Hive Certification Training" featuring two people working with a clipboard and a house icon. The main content area of the desktop is mostly blank.

The screenshot shows a Linux desktop environment, likely Cloudera Quickstart VM, running in Oracle VM VirtualBox. The desktop has a blue-themed interface with a "cloudera" logo and "Ask Bigger Questions" slogan. A terminal window titled "cloudera@quickstart:~" is open, showing Hive command history and output. The terminal shows the creation of a table "txnrecords", the description of its schema, and a failed attempt to create a table "products". Below the terminal is a file manager window showing a list of files in the "/tmp" directory, including various Cloudera and Hue-related rpm packages. The bottom of the screen features a dock with icons for various desktop applications like Mail, Calendar, and File Manager. The system tray shows network status, battery level, and system time ("14:52 ENG INTL 07-09-2020").

Inbox | Home | G as 20 | rpm Baja | e! Top | e! Big | +

edureka.co/blog/hive-commands-with-examples#:~:text=G...

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OK
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Time taken: 0.122 seconds
hive>
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Comprehensive Hive Certification Training

- Course Duration
- Real-life Case Studies

FREE WEBINAR

Steps to Build a Career in Big Data

Type here to search

cloudera@quickstart-vm-5.4.2-0-virtualbox [Running] - Oracle VM VirtualBox

Machine View Input Devices Help

Applications Places System

Mon Sep 7, 2:22 AM cloudera

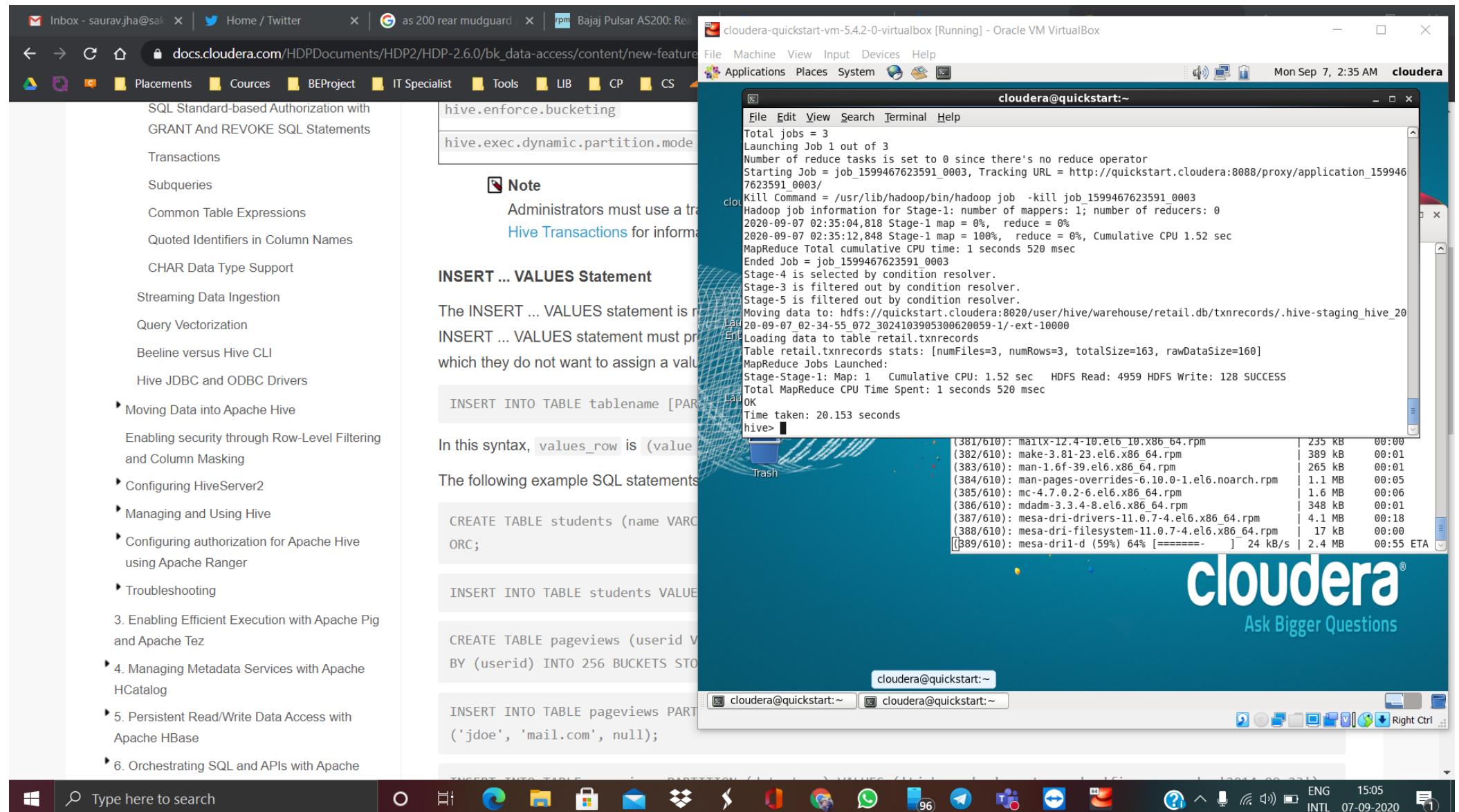
```
cloudera@quickstart:~$ hive
Logging initialized using configuration in file:/etc/hive/conf.dist/hive-log4j.properties
WARNING: Hive CLI is deprecated and migration to Beeline is recommended.
hive> show databases;
OK
default
Time taken: 0.613 seconds, Fetched: 1 row(s)
hive> create database retail;
OK
Time taken: 1.771 seconds
hive> use retail;
OK
Time taken: 0.116 seconds
hive> create table products;
FAILED: SemanticException [Error 10043]: Either list of columns or a custom serializer should be specified
hive> create table txnrecords(txnno INT, txndate STRING, custno INT, amount DOUBLE, category STRING, product S
TRING, city STRING, state STRING) row format delimited fields terminated by ',' stored as textfile;
OK
Time taken: 0.268 seconds
hive> desc
desc      describe
hive> describe txnrecords;
OK
(246/610): hue-plugins-3.9.0+cdh5.16.2+8463-1.cdh5.16.2.p | 3.2 KB  00:00
(247/610): hue-rdbms-3.9.0+cdh5.16.2+8463-1.cdh5.16.2.p0 | 47 kB   00:00
(248/610): hue-search-3.9.0+cdh5.16.2+8463-1.cdh5.16.2.p | 3.1 MB   00:03
(249/610): hue-security-3.9.0+cdh5.16.2+8463-1.cdh5.16.2.p | 67 kB   00:00
(250/610): hue-server-3.9.0+cdh5.16.2+8463-1.cdh5.16.2.p | 4.5 kB   00:00
(251/610): hue-spark-3.9.0+cdh5.16.2+8463-1.cdh5.16.2.p0 | 29 kB   00:00
(252/610): hue-sqoop-3.9.0+cdh5.16.2+8463-1.cdh5.16.2.p0 | 74 kB   00:00
(253/610): hue-zookeeper-3.9.0+cdh5.16.2+8463-1.cdh5.16.2.p | 45 kB   00:00
[254/610]: hwdatas-0.23 (47%) 51% [=====] 308 kB/s | 737 kB  00:02 ETA
```

cloudera® Ask Bigger Questions

cloudera@quickstart:~ cloudera@quickstart:~

Right Ctrl

ENG 14:52 INTL 07-09-2020





cloudera-quickstart-vm-5.4.2-0-virtualbox [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

Applications Places System

cloudera@quickstart:~

```
File Edit View Search Terminal Help
Logging initialized using configuration in file:/etc/hive/conf.dist/hive-log4j.properties
WARNING: Hive CLI is deprecated and migration to Beeline is recommended.
hive> show databases;
OK
default
retail
Time taken: 0.452 seconds, Fetched: 2 row(s)
hive> use retail;
OK
Time taken: 0.039 seconds
hive> show tables;
OK
txnrecords
Time taken: 0.031 seconds, Fetched: 1 row(s)
hive> select * from txnrecords;
OK
1      june    100     5246.0   genral   groceries      Mumbai   Maharashtra
2      june    101     546.0    genral  STATIONARY    Mumbai   Maharashtra
3      june    102     8546.0   genral  STATIONARY    Mumbai   Maharashtra
Time taken: 0.442 seconds, Fetched: 3 row(s)
hive> create table copy_txnrecords as select * from txnrecords;
Query ID = cloudera_20200909075050_15c12c2d-fb16-4c5d-8120-14d3e0f866be
Total jobs = 3
Launching Job 1 out of 3
Number of reduce tasks is set to 0 since there's no reduce operator
Starting Job = job_1599660599437_0002, Tracking URL = http://quickstart.cloudera:8088/proxy/application_1599660599437_0002/
Kill Command = /usr/lib/hadoop/bin/hadoop job -kill job_1599660599437_0002
Hadoop job information for Stage-1: number of mappers: 1; number of reducers: 0
2020-09-09 07:50:20,148 Stage-1 map = 0%, reduce = 0%
2020-09-09 07:50:27,095 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 0.95 sec
MapReduce Total cumulative CPU time: 950 msec
Ended Job = job_1599660599437_0002
Stage-4 is selected by condition resolver.
Stage-3 is filtered out by condition resolver.
Stage-5 is filtered out by condition resolver.
Moving data to: hdfs://quickstart.cloudera:8020/user/hive/warehouse/retail.db/.hive-staging_hive_2020-09-09_07-50-10_401_4878710827841011638-1/-ext-10001
Moving data to: hdfs://quickstart.cloudera:8020/user/hive/warehouse/retail.db/copy_txnrecords
Table retail.copy_txnrecords stats: [numFiles=1, numRows=3, totalSize=160, rawDataSize=160]
MapReduce Jobs Launched:
Stage-Stage-1: Map: 1  Cumulative CPU: 0.95 sec  HDFS Read: 4084 HDFS Write: 242 SUCCESS
Total MapReduce CPU Time Spent: 950 msec
OK
Time taken: 18.083 seconds
hive> show tables;
OK
copy_txnrecords
txnrecords
Time taken: 0.011 seconds, Fetched: 2 row(s)
hive>
```

A screenshot of a Linux desktop environment, likely Ubuntu, running on a Cloudera quickstart VM within Oracle VM VirtualBox. The terminal window is titled 'cloudera@quickstart:~' and shows a session of the Hive command-line interface. The user runs several commands to interact with a 'retail' database, including 'use retail', 'show tables', and 'select \* from txnrecords'. They also create a copy of the 'txnrecords' table named 'copy\_txnrecords' and drop the original 'txnrecords' table. The terminal output includes detailed logs of the Hive job execution, such as the number of mappers and reducers, and the resulting HDFS file paths. The desktop interface features a top menu bar with 'File', 'Machine', 'View', 'Input', 'Devices', and 'Help' options. A system tray at the bottom right contains icons for network, battery, volume, and system status. The taskbar at the bottom shows the current terminal window and a browser tab for 'acid - Hive table updat...'. The desktop background is a light blue gradient.

cloudera-quickstart-vm-5.4.2-0-virtualbox [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

Applications Places System

cloudera@quickstart:~

```
File Edit View Search Terminal Help
Time taken: 18.083 seconds
hive> show tables;
OK
copy_txnrecords
txnrecords
Time taken: 0.011 seconds, Fetched: 2 row(s)
hive> DROP table txnrecords;
OK
Time taken: 0.177 seconds
hive> show tables;
OK
copy_txnrecords
Time taken: 0.01 seconds, Fetched: 1 row(s)
hive> ALTER TABLE copy_txnrecords TO Transactions;
NoViableAltException(250@[])
    at org.apache.hadoop.hive.ql.parse.HiveParser.alterTableStatementSuffix(HiveParser.java:7678)
    at org.apache.hadoop.hive.ql.parse.HiveParser.alterStatement(HiveParser.java:6936)
    at org.apache.hadoop.hive.ql.parse.HiveParser.ddlStatement(HiveParser.java:2400)
    at org.apache.hadoop.hive.ql.parse.HiveParser.execStatement(HiveParser.java:1579)
    at org.apache.hadoop.hive.ql.parse.HiveParser.statement(HiveParser.java:1057)
    at org.apache.hadoop.hive.ql.parse.ParseDriver.parse(ParseDriver.java:199)
    at org.apache.hadoop.hive.ql.parse.ParseDriver.parse(ParseDriver.java:166)
    at org.apache.hadoop.hive.ql.Driver.compile(Driver.java:393)
    at org.apache.hadoop.hive.ql.Driver.compile(Driver.java:307)
    at org.apache.hadoop.hive.ql.Driver.compileInternal(Driver.java:1110)
    at org.apache.hadoop.hive.ql.Driver.runInternal(Driver.java:1158)
    at org.apache.hadoop.hive.ql.Driver.run(Driver.java:1047)
    at org.apache.hadoop.hive.ql.Driver.run(Driver.java:1037)
    at org.apache.hadoop.hive.cli.CliDriver.processLocalCmd(CliDriver.java:207)
    at org.apache.hadoop.hive.cli.CliDriver.processCmd(CliDriver.java:159)
    at org.apache.hadoop.hive.cli.CliDriver.processLine(CliDriver.java:370)
    at org.apache.hadoop.hive.cli.CliDriver.executeDriver(CliDriver.java:756)
    at org.apache.hadoop.hive.cli.CliDriver.run(CliDriver.java:675)
    at org.apache.hadoop.hive.cli.CliDriver.main(CliDriver.java:615)
    at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
    at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:57)
    at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
    at java.lang.reflect.Method.invoke(Method.java:606)
    at org.apache.hadoop.util.RunJar.run(RunJar.java:221)
    at org.apache.hadoop.util.RunJar.main(RunJar.java:136)
FAILED: ParseException line 1:28 cannot recognize input near 'TO' 'Transactions' '<EOF>' in alter table statement
hive> ALTER TABLE copy_txnrecords RENAME to Transactions;
OK
Time taken: 0.185 seconds
hive> show tables;
OK
transactions
Time taken: 0.015 seconds, Fetched: 1 row(s)
hive>
```

acid - Hive table updat...

Type here to search

Right Ctrl

ENG 20:24  
INTL 09-09-2020

cloudera-quickstart-vm-5.4.2-0-virtualbox [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

Applications Places System

Wed Sep 9, 7:55 AM cloudera

cloudera@quickstart:~

```
File Edit View Search Terminal Help
copy_txnrecords
Time taken: 0.01 seconds, Fetched: 1 row(s)
hive> ALTER TABLE copy_txnrecords TO Transactions;
NoViableAltException(250@[])
    at org.apache.hadoop.hive.ql.parse.HiveParser.alterTableStatementSuffix(HiveParser.java:7678)
    at org.apache.hadoop.hive.ql.parse.HiveParser.alterStatement(HiveParser.java:6936)
    at org.apache.hadoop.hive.ql.parse.HiveParser.ddlStatement(HiveParser.java:2400)
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FAILED: ParseException line 1:28 cannot recognize input near 'TO' 'Transactions' '<EOF>' in alter table statement
hive> ALTER TABLE copy_txnrecords RENAME to Transactions;
OK
Time taken: 0.185 seconds
hive> show tables;
OK
transactions
Time taken: 0.015 seconds, Fetched: 1 row(s)
hive> describe transactions;
OK
txidno      int
txndate     string
custno      int
amount       double
category    string
product     string
city        string
state        string
Time taken: 0.08 seconds, Fetched: 8 row(s)
hive>
```

cloudera@quickstart:~ acid - Hive table updat...

Type here to search

Right Ctrl

ENG 20:25 INTL 09-09-2020

```
cloudera-quickstart-vm-5.4.2-0-virtualbox [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Applications Places System
Wed Sep 9, 8:02 AM cloudera
cloudera@quickstart:~
File Edit View Search Terminal Help
hive> show databases;
OK
default
retail
Time taken: 0.478 seconds, Fetched: 2 row(s)
hive> use retail;
OK
Time taken: 0.036 seconds
hive> describe transactions;
OK
txnno          int
txndate        string
custno         int
amount          double
category       string
product         string
city            string
state           string
Time taken: 0.116 seconds, Fetched: 8 row(s)
hive> select * from transactions;
OK
1      june    100     5246.0  genral  groceries      Mumbai  Maharashtra
2      june    101     546.0   genral  STATIONARY    Mumbai  Maharashtra
3      june    102     8546.0  genral  STATIONARY    Mumbai  Maharashtra
Time taken: 0.405 seconds, Fetched: 3 row(s)
hive> TRUNCATE TABLE transactions;
OK
Time taken: 0.167 seconds
hive> show tables;
OK
transactions
Time taken: 0.03 seconds, Fetched: 1 row(s)
hive> select * from transactions;
OK
Time taken: 0.088 seconds
hive>
```



The screenshot shows a Windows desktop environment with a virtual machine window titled "cloudera-quickstart-vm-5.4.2-0-virtualbox [Running] - Oracle VM VirtualBox". Inside the VM, a terminal window is open, displaying Hive command-line interface (CLI) session. The user runs several commands to show databases, use the 'retail' database, describe the 'transactions' table, and select data from it. The terminal also shows the truncation of the 'transactions' table. The system taskbar at the bottom of the screen shows the current date and time (09-09-2020, 20:32), language (ENG INTL), battery status, signal strength, and other system icons.