

Experiment No. 3

The image displays a terminal window and a gedit editor window. The terminal window shows the execution of Hive commands and the output of the commands. The gedit editor window shows the output of the commands, which is a text file named train.txt.

Terminal Window:

```
[cloudera@quickstart Desktop]$ hive
Logging initialized using configuration in file:/etc/hive/conf/dist/hive-log4j.properties
WARNINIG: Hive CLI is deprecated and migration to Beeline is recommended.
hive> show databases;
OK
default
Time taken: 0.277 seconds, Fetched: 1 row(s)
hive> show table;
MismatchedTokenException(1:105)
  at org.apache.hadoop.hive.cli.CliDriver.compileInternal(CliDriver.java:1356)
  at org.apache.hadoop.hive.cli.CliDriver.runInternal(CliDriver.java:1473)
  at org.apache.hadoop.hive.cli.CliDriver.run(CliDriver.java:1285)
  at org.apache.hadoop.hive.cli.CliDriver.processLocalCmd(CliDriver.java:226)
  at org.apache.hadoop.hive.cli.CliDriver.processCmd(CliDriver.java:175)
  at org.apache.hadoop.hive.cli.CliDriver.processLine(CliDriver.java:389)
  at org.apache.hadoop.hive.cli.CliDriver.executeDriver(CliDriver.java:781)
  at org.apache.hadoop.hive.cli.CliDriver.run(CliDriver.java:699)
  at org.apache.hadoop.hive.cli.CliDriver.main(CliDriver.java:634)
  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.main(RunJar.java:138)
FAILED: ParseException line 1:10 Mismatched input "<EOF>" expecting EXTENDED near 'table' in show statement
hive> show tables;
OK
post1
post2
Time taken: 0.031 seconds, Fetched: 2 row(s)
hive> create database dbname;
OK
Time taken: 0.003 seconds
hive> use dbname;
OK
Time taken: 0.009 seconds
hive> create table post2(user string, post string, words bigint)
> row format delimited fields terminated by ',' stored as textfile;
```

gedit Window:

train.txt (~/.training) - gedit

File Edit View Search Tools Documents Help

Open Save Undo

train.txt x

```
user1, funny, story, 1550
user2, mad, game, 1650
```

Plain Text Tab Width: 8 Ln 2, Col 23 INS

```

C:\Program Files\VMware\Workstation 15\bin\vmtoolsd.exe -s 5152 -d vmtoolsd Running | C:\Program Files\VMware\Workstation 15\bin\vmtoolsd.exe -s 5152 -d vmtoolsd Running |
File Edit View Search Terminal Help
Mon Aug 12, 10:27 PM cloudera
cloud@cloudera:~/Desktop
time taken: 0.002 seconds
hive use database
OK
Time taken: 0.009 seconds
hive> create table post2user (string, post string, words bigint)
      > row format delimited fields terminated fields by ',' stored as textfile;
FAILED: ParquetException line 2:39 extraneous input 'fields': expecting BR near '-dorp-'.
hive> create table post2user (string, post string, words bigint)
      > row format delimited fields terminated fields by ',' stored as textfile;
FAILED: ParquetException line 2:39 extraneous input 'fields': expecting BR near '-dorp-'.
hive> create table post2user (string, post string, words bigint)
      > row format delimited
      > fields terminated by ','
      > stored as textfile;
OK
Time taken: 0.108 seconds
hive> cat/home/training/train.txt
      > cat/home/training/train.txt
Exception raised from Shell command failed to execute cat/home/training/train.txt
cat/home/training/train.txt
hive> cat/home/training/train.txt;
cat/home/training/train.txt; No such file or directory
Command failed with exit code = 1
hive> cat/home/cloudera/training/train.txt;
hive> hony, storr, 1550
user7, now, done, 1606
hive> desc post1;
FAILED: SemanticException [Error 10001]: Table not found post
hive> desc post1;
FAILED: SemanticException [Error 10001]: Table not found posts
hive> desc post;
FAILED: SemanticException [Error 10001]: Table not found post
hive> desc post;
FAILED: SemanticException [Error 10001]: Table not found posts
hive> desc post1;
OK
hive>
      > string
      > post
      > string
      > string
Time taken: 0.042 seconds, Fetched: 3 (rows)
hive> load data local inpath '/home/cloudera/training/train.txt'
      > - into table post1;
FAILED: SemanticException line 1:23 invalid path '' :/home/cloudera/training/train.txt': No files matching path file:/home/cloudera/Desktop/228/home/cloudera/training/train.txt?0
hive> load data local inpath '/home/cloudera/training/train.txt'
      > - into table post1;
Loading data to table database.post1
Table database.post1 stats [totalSize], totalSize=0
OK
Time taken: 0.42 seconds
hive>

```

```
cloudera-quickstart-vm-5.13.0-0-virtualbox [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Applications Places System
cloudera@quickstart:~/Desktop

File Edit View Search Terminal Help
drwxr-xr-x - cloudera cloudera 0 2024-07-23 01:36 st66
[cloudera@quickstart Desktop]$ hadoop fs -mkdir /user/d1
[cloudera@quickstart Desktop]$ hadoop fs -mkdir /user/cloudera/d1
[cloudera@quickstart Desktop]$ hadoop fs -put exp3.txt/user/cloudera/d1
put: 'exp3.txt/user/cloudera/d1': No such file or directory
[cloudera@quickstart Desktop]$ hadoop fs -put exp3.txt /user/cloudera/d1
put: 'exp3.txt': No such file or directory
[cloudera@quickstart Desktop]$ hadoop fs -put home/cloudera/exp3.txt/user/cloudera/d1
put: 'home/cloudera/exp3.txt/user/cloudera/d1': No such file or directory
[cloudera@quickstart Desktop]$ hadoop fs -put home/cloudera/exp3.txt /user/cloudera/d1
put: 'home/cloudera/exp3.txt': No such file or directory
[cloudera@quickstart Desktop]$ hadoop fs -put /home/cloudera/exp3.txt /user/cloudera/d1
[cloudera@quickstart Desktop]$ 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> create external table post3
> (user string, post string, time bigint)
> row format delimited
> fields terminated by ','
> stored as textfile
> location '/training/hive/';
OK
Time taken: 0.338 seconds
```

```
cloudera-quickstart-vm-5.13.0-0-virtualbox [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Applications Places System
cloudera@quickstart:~/Desktop

File Edit View Search Terminal Help
> stored as textfile
FAILED: Execution Error, return code 1 from org.apache.hadoop.hive.ql.exec.BoltTask. AlreadyExistsException(message:Table posted already exists)
hive> create table post3 (user string, post string, time bigint)
> partitioned by (country string)
> row format delimited
> fields terminated by ','
> stored as textfile;
OK
Time taken: 0.405 seconds
hive> desc post3;
OK
user string
post string
time bigint
country string
# Partition Information
# col_name data_type comment
country string
Time taken: 0.401 seconds, Fetched: 9 row(s)
hive> show partitions post3;
OK
Time taken: 0.405 seconds
hive> load data local inpath '/home/cloudera/userp-us.txt'
> overwrite into table post3 partition(country='US');
FAILED: validationFailureNoSuchException table is not partitioned but partition spec exists: (country=US)
hive> load data local inpath '/home/cloudera/userp-us.txt'
> overwrite into table post3 partition(country='US');
Loading data to table default.post3 partition (country=US)
Partition default.post3(country=US) stats: [numFiles=1, numRows=0, totalSize=0, rawDataSize=0]
OK
Time taken: 0.424 seconds
hive> load data local inpath '/home/cloudera/userp-aus.txt'
> overwrite into table post3 partition(country='AU');
Loading data to table default.post3 partition (country=AU)
Partition default.post3(country=AU) stats: [numFiles=1, numRows=0, totalSize=0, rawDataSize=0]
OK
Time taken: 0.213 seconds
```

```
*userp-US.txt (~) - gedit
File Edit View Search Tools Documents Help
Open Save Undo
train.txt userp-AUS.txt userp-US.txt
us1, h11, 1100, US
us2, h12, 2100, US
us3, h13, 3100, US
Plain Text Tab Width: 8 Ln 3, Col 3 INS
```

```
userp-AUS.txt (~) - gedit
File Edit View Search Tools Documents Help
Open Save Undo
train.txt userp-AUS.txt userp-US.txt
user1, h1, 1000, AUS
user2, h2, 2000, AUS
user3, h3, 3000, AUS
Plain Text Tab Width: 8 Ln 1, Col 1 INS
```

```

hive> show partitions post4;
OK
country=AUS
country=US
Time taken: 0.031 seconds, Fetched: 2 row(s)
hive> exit
>
WARN: The method class org.apache.commons.logging.impl.SLF4JLogFactory#release() was invoked.
WARN: Please see http://www.slf4j.org/codes.html#release for an explanation.
[cloudera@quickstart Desktop]$ hadoop fs -ls /user/hive/warehouse/post4
-ls /user/hive/warehouse/post4: Unknown command
[cloudera@quickstart Desktop]$ hadoop fs -ls /user/hive/warehouse/post4
Found 2 items
drwxrwxrwx - cloudera supergroup 0 2024-08-12 23:13 /user/hive/warehouse/post4/country=AUS
drwxrwxrwx - cloudera supergroup 0 2024-08-12 23:13 /user/hive/warehouse/post4/country=US
[cloudera@quickstart Desktop]$ hadoop fs -ls /user/hive/warehouse/post4/country=AUS
Found 1 items
-rwxrwxrwx 1 cloudera supergroup 64 2024-08-12 23:13 /user/hive/warehouse/post4/country=AUS/userp-AUS.txt
[cloudera@quickstart Desktop]$ hadoop fs -ls /user/hive/warehouse/post4/country=AUS/user-AUS.txt
ls: /user/hive/warehouse/post4/country=AUS/user-AUS.txt: No such file or directory
[cloudera@quickstart Desktop]$ hadoop fs -ls /user/hive/warehouse/post4/country=AUS/userp-AUS.txt
-rwxrwxrwx 1 cloudera supergroup 64 2024-08-12 23:13 /user/hive/warehouse/post4/country=AUS/userp-AUS.txt
[cloudera@quickstart Desktop]$ 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> select * from post4 where country='US' limit 1;
OK
us1 h11 NULL US
Time taken: 0.096 seconds, Fetched: 1 row(s)
hive> select * from post4 where country='US';
OK
us1 h11 NULL US
us2 h12 NULL US
us3 h13 NULL US
NULL NULL US
Time taken: 0.068 seconds, Fetched: 4 row(s)
hive> █

```