

```
hive> describe function map;
OK
map(key0, value0, key1, value1...) - Creates a map with the given key/value pairs
Time taken: 3.243 seconds, Fetched: 1 row(s)
hive> describe function struct;
OK
struct(col1, col2, col3, ...) - Creates a struct with the given field values
Time taken: 0.029 seconds, Fetched: 1 row(s)
hive> create table comunidades ( codigo MAP<STRING, STRING> );
OK
Time taken: 41.69 seconds
```

Create a file ruiz.txt with below entries in tmp directory

```
$ cat ruiz.txt
"AND": '01'
"TOO": '02'
"MORE": '03'
```

Copied it to my hive directory in hdfs
\$ hdfs dfs -copyFromLocal ruiz.txt /user/hive

Tried loading it into table comunidades

```
hive> load data inpath 'ruiz.txt' into table comunidades;
Loading data to table default.comunidades
chmod: changing permissions of 'hdfs://bombo.uganda.com:8020/apps/hive/warehouse/comunidades/ruiz.txt':
Permission denied. user=hive is not the owner of inode=ruiz.txt
Table default.comunidades stats: [numFiles=1, totalSize=37]
OK
Time taken: 2.461 seconds
```

Checked the permissions

```
$ hdfs dfs -ls /apps/hive/warehouse/comunidades
Found 1 items
-rw-r--r--  3 hdfs hdfs      37 2017-08-16 10:20 /apps/hive/warehouse/comunidades/ruiz.txt
```

Changed the permissions

```
$ hdfs dfs -chown -R hive:hdfs /apps/hive/warehouse/comunidades
```

Copied the ruiz.txt to hive directory

```
$ hdfs dfs -copyFromLocal ruiz.txt /user/hive/
$ hdfs dfs -ls /user/hive/
Found 2 items
drwxr-xr-x  - hive hdfs      0 2017-08-08 23:55 /user/hive/.hiveJars
-rw-r--r--  3 hdfs hdfs     37 2017-08-16 10:29 /user/hive/ruiz.txt
```

Re-run the same command

```
hive> load data inpath '/apps/hive/warehouse/comunidades/ruiz.txt' into table comunidades;
Loading data to table default.comunidades
Table default.comunidades stats: [numFiles=1, totalSize=37]
OK
Time taken: 1.393 seconds
```

Run a select

```
hive> select count(*) from comunidades;
```

Query ID = hive_20170816105217_67ad1868-2e03-46ac-a4f2-903643e510df

Total jobs = 1

Launching Job 1 out of 1

Tez session was closed. Reopening...

Session re-established.

Status: Running (Executing on YARN cluster with App id application_1502717163719_0004)

```
-----  
VERTICES   STATUS TOTAL COMPLETED RUNNING PENDING FAILED KILLED  
-----  
Map 1 ..... SUCCEEDED   1     1     0     0     0     0  
Reducer 2 ..... SUCCEEDED   1     1     0     0     0     0  
-----
```

VERTICES: 02/02 [=====>>] 100% ELAPSED TIME: 41.31 s

OK

3

Time taken: 72.236 seconds, Fetched: 1 row(s)

To validate the 3 records

hive> select * from comunidades;

OK

{"AND": "01":null}

{"TOO": "02":null}

{"MORE": "03":null}

Time taken: 0.373 seconds, Fetched: 3 row(s)