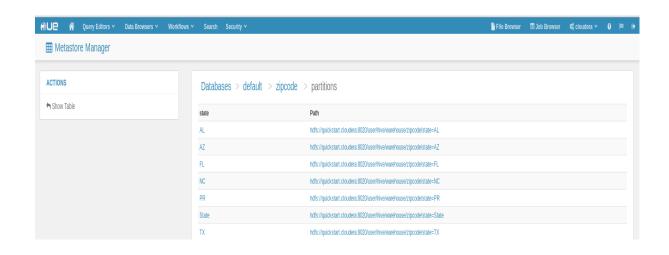
## Partitioning the table

```
hive> load data local inpath '/home/cloudera/Documents/zipcode.csv' into table zipcodes;
Loading data to table default.zipcodes
Table default.zipcodes stats: [numFiles=1, totalSize=591]
Time taken: 0.538 seconds
hive> select * from zipcodes;
0K
NULL
                       NULL
       Country City
                                State
               PARC PARQUE
       US
                                704
                                        PR
       US
               PASEO COSTA DEL SUR
                                        704
                                                PR
10
       US
               BDA SAN LUIS
                                        PR
61391
       US
               CINGULAR WIRELESS
                                        76166
                                                TX
61392
       US
               FORT WORTH
                               76177
                                        TΧ
61393
       US
               FT WORTH
                                76177
                                        TX
       US
               URB EUGENE RICE 704
                                        PR
39827
       US
               MESA 85209
                       85210
39828
               MESA
       US
                               A7
49345
               HILLIARD
                                32046
       US
                                        FL
               HOLDER 34445
49346
       US
                       32564
49347
       US
               HOLT
                              FL
49348
       US
               HOMOSASSA
                                34487
                                        FL
       US
               SECT LANAUSSE
                                704
                                        PR
54354
               SPRING GARDEN
       US
                                36275
                                        AL
54355
       US
               SPRINGVILLE
                                35146
                                        AL
54356
       US
               SPRUCE PINE
                                35585
                                        ΑL
76511
       US
               ASH HILL
                                27007
                                        NC
76512
       US
               ASHEB0R0
                                27203
                                        NC
76513
       US
                ASHEBORO
                                27204
                                        NC
NULL
       NULL
               NULL
                      NULL
                                NULL
Time taken: 0.345 seconds, Fetched: 22 row(s)
```

```
hive> create table zipcode(RecordNumber int,Country string,City string,Zipcode int) PARTITIONED BY(State string);
OK
Time taken: 0.053 seconds
hive> set hive.exec.dynamic.partition.mode=nonstrict;
```

```
hive- insert overwrite table zipcode PARTITION(State) SELECT RecordNumber,Country,City,Zipcode,State from zipcodes;
Query ID = cloudera_20220322184444_4c8a90la-bbde-4aal-8c94-26e6bc3a38aa
Total_pbbs = 3
Launching_lob 1 out of 3
Number of reduce tasks is set to 0 since there's no reduce operator
Starting_Job = job 1647952873179_0001, Tracking_URL = hitty:/quickstart.cloudera:8088/proxy/application_1647952873179_0001/
Kill Command = /usr/lib/hodoopylbin-Madoop job -kill job 1647952873179_0001
Haddoop job information for Stage-1: number of mappers: 1; number of reducers: 0
2022-03-22 18:44:27,035 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 1.0 sec
MapReduce Total cumulative CPU time: 1 seconds 0 msec
Ended Job = job_1647952873179_0001
Stage-4 lo selected by condition resolver.
Stage-3 ls filtered out by condition resolver.
Stage-3 ls filtered out by condition resolver.
Woving data to: indfs://quickstart.cloudera:8020/user/hive/warehouse/zipcode/.hive-staging_hive_2022-03-22_18-44-16_627_1195954405856007251-1/-ext-10000
Loading partition (state=PhI)
Loading partition (s
```



## **Bucketing the Table**

```
nive> alter table zipcode partition(State='AL') rename to partition(State='NY');
DK
Time taken: 0.325 seconds
hive>
```

nive> alter table zipcode partition(State='AL') rename to partition(State='NY');

Time taken: 0.325 seconds

nive>

