Data Ingestion from RDS to HDFS using SQOOP

After setting up SQOOP with EC2 and EMR Instance > Importing SQOOP command for importing RDS to HDFS SOOOP command:-

```
sqoop import \
--connect jdbc:mysql://upgraddetest.cyaielc9bmnf.us-east-1.rds.amazonaws.co
m/testdatabase \
--table SRC_ATM_TRANS \
--Username student -password STUDENT123 \
--target-dir /user/root/SRC_ATM_TRANS \
-m 1
```

The following screenshot is the result of above command:-

```
File System Counters

FILE: Number of bytes read=0
FILE: Number of bytes written=189351
FILE: Number of pread operations=0
FILE: Number of read operations=0
FILE: Number of files pread operations=0
FILE: Number of bytes read=9
HDFS: Number of bytes read=9
HDFS: Number of bytes read=9
HDFS: Number of bytes aread=9
HDFS: Number of large read operations=4
HDFS: Number of large read operations=0
HDFS: Number of virit operations=2
Job Counters

Launched map tasks=1
Other local map tasks=1
Other local map tasks=1
Total time spent by all map tasks (ms)=2477
Total time spent by all map tasks (ms)=2477
Total voore—milliseconds taken by all map tasks=3477
Total voore—milliseconds taken by all map tasks=36060672
Map-Reduce Framework
Map input records=2468572
Map output records=2468572
Input split bytes=07
Spilled Records=0
Failed Shuffles=0
Merged Map outputs=0
GC time elapsed (ms)=194
CFU time spent (ms)=26640
Fhysical memory (bytes) snapshot=614305792
Virtual memory (bytes) snapshot=3288264704
Total committed heap usage (bytes)=537919488
File Input Format Counters
Bytes Writen=531214815

22/11/02 22:06:00 INFO mapreduce.ImportJobBase: Transferred 506.6059 MB in 50.7229 seconds (9.9877 MB/sec)
22/11/02 22:06:00 INFO mapreduce.ImportJobBase: Transferred 266.6059 MB in 50.7229 seconds (9.9877 MB/sec)
22/11/02 22:06:00 INFO mapreduce.ImportJobBase: Transferred 266.6059 MB in 50.7229 seconds (9.9877 MB/sec)
```

There were total 2468572 rows which were retrieved.

Command used to see the list of imported data in HDFS:

hadoop fs -cat /user/root/SRC_ATM_TRANS/part-m-00000

Screenshot of the import data:

```
or into maple ductions of conferent 39 scene Counters

FILE: Number of bytes read=0

FILE: Number of types written=189351

FILE: Number of read operations=0

FILE: Number of large read operations=0

FILE: Number of bytes read=87

HDFS: Number of bytes written=531214015

HDFS: Number of bytes written=531214015

HDFS: Number of large read operations=0

HDFS: Number of large read operations=0

HDFS: Number of write operations=2
Map-Reduce Framework
Map input records=2465572
Map output records=2465572
Map output split bytes=07
Spliled Records=0
Failed Shuffles=0
Herged Map outputs=0
GC time elapsed (ms)=194
GCU time select (ms)=26640
GC lime elapsed (ms)=194
CFU time apent (ms)=26640
Physical memory (bytes) snapshot=614305792
Virtual memory (bytes) snapshot=3268264704
Total committed heap usage (bytes)=837919488
File Input Format Counters
Bytes Read=0
File Output Format Counters
Bytes Written=531214815
2 22:06:01 INFO mapreduce.ImportJobBase: Transferred 506.6059 MB in 50.7229 seconds (9.9877 MB/sec)
2 21:06:01 INFO mapreduce.ImportJobBase: Retrieved 2466872 records.
-172-31-52-72 =) # hadcop fs -1s /user/root/SRC_ATM_TRANS
```

Command used to open 'part-m-00000' file:

hadoop fs -cat /user/root/SRC_ATM_TRANS/part-m-00000

Screenshot of the imported data:-

```
December, 31, Sunday, 23, Active, 34, NCR, Skipperen, Vestre Alle, 2, 9000, 87, 034, 9, 908, DRK, MasterCard, 5109, Withdrawal, , 57, 049, 9, 919, 2624886, Aalborg, 277, December, 31, Sunday, 23, Active, 53, NCB, HillerAria, O.M.R. benhavmarey, 31, 3400, 58, 393, 12, 314, NDR, VISA, 2609, Withdrawal, , 55, 767, 12, 433, 2621394, Class of the companies of the co
```