



# Data Ingestion from the RDS to HDFS using Sqoop

# Sqoop Import command used for importing table from RDS to HDFS:

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

```
root@ip-172-31-67-120:~
       HDFS: Number of bytes written=531214815 HDFS: Number of read operations=4
       HDFS: Number of large read operations=0
       HDFS: Number of write operations=2
Job Counters
       Launched map tasks=1
       Other local map tasks=1
        Total time spent by all maps in occupied slots (ms)=1181760
       Total time spent by all reduces in occupied slots (ms)=0
       Total time spent by all map tasks (ms)=24620
       Total vcore-milliseconds taken by all map tasks=24620
        Total megabyte-milliseconds taken by all map tasks=37816320
Map-Reduce Framework
        Map input records=2468572
       Map output records=2468572
        Input split bytes=87
       Spilled Records=0
        Failed Shuffles=0
       Merged Map outputs=0
        GC time elapsed (ms)=306
       CPU time spent (ms)=26660
        Physical memory (bytes) snapshot=615636992
       Virtual memory (bytes) snapshot=3293876224
       Total committed heap usage (bytes) = 542113792
File Input Format Counters
       Bytes Read=0
File Output Format Counters
       Bytes Written=531214815
23/05/01 18:10:25 INFO mapreduce.ImportJobBase: Transferred 506.6059 MB in 39.0193 seconds (12.9835 MB/sec)
23/05/01 18:10:25 INFO mapreduce.ImportJobBase: Retrieved 2468572 records.
[root@ip-172-31-67-120 ~]#
```

As per the above screenshot, 2468572 rows retrieved.





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

### Command used:

hadoop fs -ls /user/root/spar nord bank atm

#### Screenshot:

Above screenshot shows couple of files listed:

- The first file is the SUCCESS file, indicating that the MapReduce job was successful.
- The second file 'part-m-00000' is the one that we imported.
   Note: One mapper in import command used, thus the data is in a single file.

#### Screenshot of the imported data:

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