



# 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-east1.rds.amazonaws.com/testdatabase --query 'select \* from testdatabase.SRC\_ATM\_TRANS
where \$CONDITIONS' --username "student" --password "STUDENT123" --target-dir
"/user/root/bank\_atm" --m 1

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

hadoop fs -mv /user/root/bank\_atm/part-m-00000 /user/livy

hadoop fs -ls /user/livy/part-m-00000

#### Screenshot of the imported data:

## 1. Screenshot of data import sqoop command





2. Screenshot of the data imported

```
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File System Counters

FILE: Number of bytes written=189185

FILE: Number of bytes written=189185

FILE: Number of large read operations=0

FILE: Number of large read operations=0

HDFS: Number of write operations=0

HDFS: Number of bytes written=531214815

HDFS: Number of bytes written=531214815

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)=1575984

Total time spent by all reduces in occupied slots (ms)=0

Total time spent by all map tasks (ms)=32833

Total woore—milliseconds taken by all map tasks=32833

Total megabyte—milliseconds taken by all map tasks=50431488

Map-Reduce Framework

Map input records=2468572

Map output records=2468572

Map output records=2468572

Input split bytes=67

Spilled Records=0

Falled Shuffles=0

Merged Map outputs=0

GC time elapsed (ms)=342

CPU time spent (ms)=29670

Physical memory (bytes) snapshot=5289088000

Total committed heap usage (bytes)=538443776

File Input Format Counters

Bytes Read=0

File Output Format Coun
```

Screen shot of the data moved to livy location

```
Bytes Written=531214815
23/05/07 14:40:46 INFO mapreduce.ImportJobBase: Transferred 506.6059 MB in 50.607 seconds (10.0106 MB/sec)
23/05/07 14:40:46 INFO mapreduce.ImportJobBase: Retrieved 2468572 records.
[hadoop@ip-10-0-31-148 ~]$ hadoop fs -mv /user/root/bank_atm/part-m-00000 /user/livy
[hadoop@ip-10-0-31-148 ~]$ ^C
[hadoop@ip-10-0-31-148 ~]$ hadoop fs -ls /user/livy/part-m-00000
-rw-r-r-- 1 hadoop hadoop 531214815 2023-05-07 14:40 /user/livy/part-m-00000
[hadoop@ip-10-0-31-148 ~]$ ^C
```