



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/te
stdatabase \
--username student \
--password STUDENT123
--table SRC_ATM_TRANS \
--target-dir /user/root/SRC ELT ATM TRANS \
-m 1
[hadoop@ip-172-31-43-169 ~]$ sqoop import \
 --connect jdbc:mysql://upgraddetest.cyaielc9bmnf.us-east-1.rds.amazonaws.com/testdatabase \
 --username student \
 > --password STUDENT123 \
 --table SRC_ATM_TRANS \
 --target-dir /user/root/SRC_ELT_ATM_TRANS \
♣ hadoop@ip-172-31-43-169:~
```

```
FILE: Number of bytes written=298603
               FILE: Number of read operations=0
                FILE: Number of large read operations=0
                FILE: Number of write operations=0
               HDFS: Number of bytes read=85
               HDFS: Number of bytes written=531214815
                HDFS: Number of read operations=6
               HDFS: Number of large read operations=0
               HDFS: Number of write operations=2
               HDFS: Number of bytes read erasure-coded=0
       Job Counters
               Launched map tasks=1
               Other local map tasks=1
                Total time spent by all maps in occupied slots (ms)=2165856
               Total time spent by all reduces in occupied slots (ms)=0
               Total time spent by all map tasks (ms)=22561
               Total vcore-milliseconds taken by all map tasks=22561
                Total megabyte-milliseconds taken by all map tasks=69307392
       Map-Reduce Framework
               Map input records=2468572
               Map output records=2468572
               Input split bytes=85
               Spilled Records=0
               Failed Shuffles=0
               Merged Map outputs=0
               GC time elapsed (ms)=143
                CPU time spent (ms)=20910
                Physical memory (bytes) snapshot=1051475968
               Virtual memory (bytes) snapshot=4425187328
Total committed heap usage (bytes)=968359936
                Peak Map Physical memory (bytes)=1051475968
               Peak Map Virtual memory (bytes)=4433252352
       File Input Format Counters
               Bytes Read=0
       File Output Format Counters
               Bytes Written=531214815
2024-02-04 07:10:17,280 INFO mapreduce.ImportJobBase: Transferred 506.6059 MB in 35.2826 seconds (14.3585 MB/sec)
2024-02-04 07:10:17,282 INFO mapreduce.ImportJobBase: Retrieved 2468572 records.
```

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





hadoop fs -ls /user/root/SRC ELT ATM TRANS

Screenshot of the imported data:

hadoop fs -cat /user/root/SRC ATM TRANS/part-m-00000