

## Data Ingestion from the RDS to HDFS using Sqoop

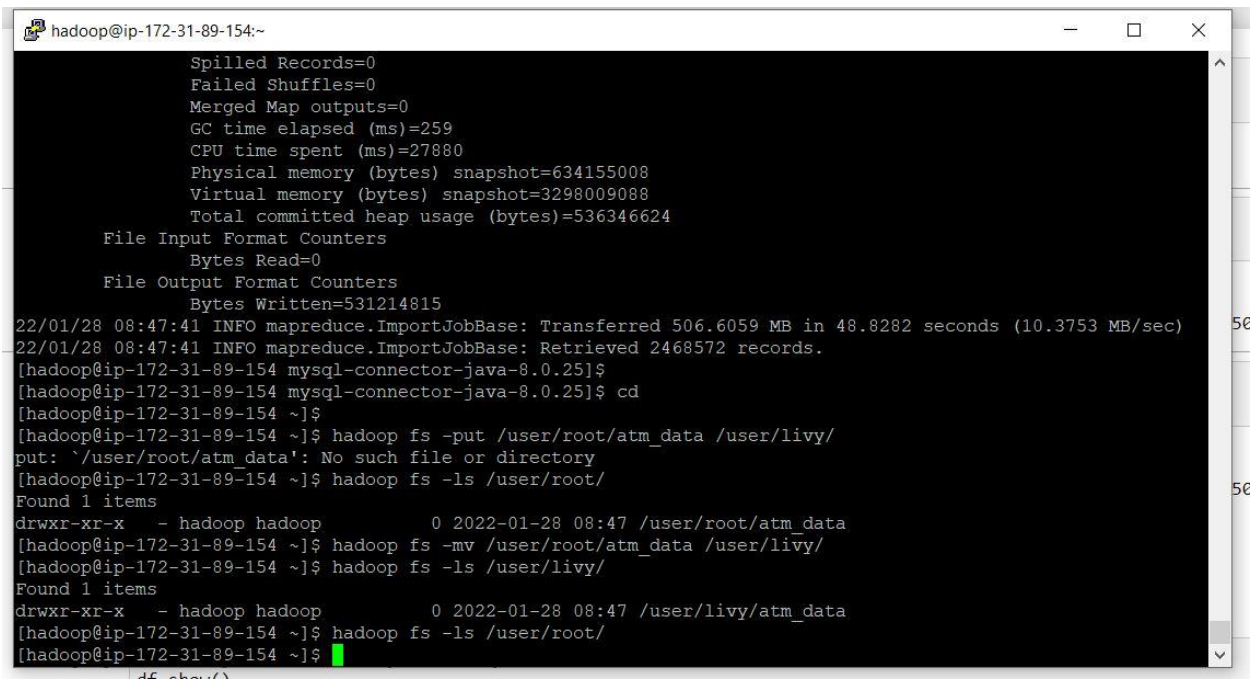
**Sqoop Import command used for importing table from RDS to HDFS:**

```
sqoop import \
--connect jdbc:mysql://upgradtest.cyaielc9bmnf.us-east-1.rds.amazonaws.com/testdatabase \
--table SRC_ATM_TRANS \
--username student --password STUDENT123 \
--null-string '\\N' --null-non-string '\\N' \
--target-dir /user/root/atm_data \
-m 1
```

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

```
hadoop fs -ls /user/root/
```

**Screenshot of the imported data:**



```
hadoop@ip-172-31-89-154:~$
Spilled Records=0
Failed Shuffles=0
Merged Map outputs=0
GC time elapsed (ms)=259
CPU time spent (ms)=27880
Physical memory (bytes) snapshot=634155008
Virtual memory (bytes) snapshot=3298009088
Total committed heap usage (bytes)=536346624
File Input Format Counters
  Bytes Read=0
File Output Format Counters
  Bytes Written=531214815
22/01/28 08:47:41 INFO mapreduce.ImportJobBase: Transferred 506.6059 MB in 48.8282 seconds (10.3753 MB/sec)
22/01/28 08:47:41 INFO mapreduce.ImportJobBase: Retrieved 2468572 records.
[hadoop@ip-172-31-89-154 mysql-connector-java-8.0.25]$
[hadoop@ip-172-31-89-154 mysql-connector-java-8.0.25]$ cd
[hadoop@ip-172-31-89-154 ~]$
[hadoop@ip-172-31-89-154 ~]$ hadoop fs -put /user/root/atm_data /user/livy/
put: '/user/root/atm_data': No such file or directory
[hadoop@ip-172-31-89-154 ~]$ hadoop fs -ls /user/root/
Found 1 items
drwxr-xr-x  - hadoop hadoop          0 2022-01-28 08:47 /user/root/atm_data
[hadoop@ip-172-31-89-154 ~]$ hadoop fs -mv /user/root/atm_data /user/livy/
[hadoop@ip-172-31-89-154 ~]$ hadoop fs -ls /user/livy/
Found 1 items
drwxr-xr-x  - hadoop hadoop          0 2022-01-28 08:47 /user/livy/atm_data
[hadoop@ip-172-31-89-154 ~]$ hadoop fs -ls /user/root/
[hadoop@ip-172-31-89-154 ~]$
```