



# Data Ingestion from the RDS to HDFS using Sqoop

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

Before running the Sqoop import command, I made sure the target directory is not already created. Otherwise, the Sqoop import command would throw an error:

```
hadoop fs -rm -r /user/root/SRC_ATM_TRANS
```

### **Sqoop Import Command:**

```
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/SRC_ATM_TRANS \
-m 1
```

In the screenshot below, I can see that as a result of **Sqoop Import Job, 2468572 records** have been retrieved (same as the checkpoint mentioned in the Validation document):





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

hadoop fs -ls /user/root/SRC\_ATM\_TRANS

In the screenshot below, I can see that the target directory contains 2 items:

- The first file is the success file, indicating that the MapReduce job was successful.
- The second file 'part-m-00000' is the one with all of the data I imported. Since I used only one mapper in my import command thus the data is in a single file.

When I open the 'part-m-00000' file using the following command, I can see all of the data that has been imported:

hadoop fs -cat /user/root/SRC\_ATM\_TRANS/part-m-00000

#### Screenshot of the imported data: