



# Data Ingestion from the RDS to HDFS using Sqoop

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

### Sql jar file import:

wget https://de-mysql-connector.s3.amazonaws.com/mysql-connector-java-8.0.25.tar.gz tar -xvf mysql-connector-java-8.0.25.tar.gz cd mysql-connector-java-8.0.25

sudo cp mysql-connector-java-8.0.25.jar /usr/lib/sqoop/lib/

#### Import command:

sqoop import --connect jdbc:mysql://upgraddetest.cyaielc9bmnf.us-east-1.rds.amazonaws.com/testdatabase --table SRC\_ATM\_TRANS --username student --password STUDENT123 --null-string '\N' --fields-terminated-by , --escaped-by \\ --enclosed-by '\'' --null-non-string '\\N' --target-dir /user/livy/de1 -m 1

#### **Explanation:**

Along with default options, we have used the Null handling parameter to treat the null as blank instead of string 'NULL' .

We have used the escaped and enclosed parameter to handle the comma values in the Message text column.

Used one mapper to import the data and imported the data to /user/livy/de1 folder

```
[root@ip-10-0-0-105 mysql-connector-java-8.0.25]# sqoop import --connect jdbc:my sql://upgraddetest.cyaielc9bmnf.us-east-1.rds.amazonaws.com/testdatabase --table SRC_ATM_TRANS --username student --password STUDENT123 --null-string '\N' --fi elds-terminated-by , --escaped-by \\ --enclosed-by '\"' --null-non-string '\N' --target-dir /user/livy/de1 -m 1
```





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

hadoop fs -ls /user/livy/de1 hadoop fs -cp /user/livy/de1/part-m-00000 /user/livy/

#### **Explanation:**

Imported the file to /user/livy/de1 folder than moved in /user/livy/ folder for Spark access.

## Screenshot of the imported data: