ETL Project : ATM Transactions

Sqoop Data Ingestion

> Step-1 : Installing MySQL Connector:

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/

Step 2 - Sqoop command to import data from RDS to HDFS

sqoop import --connect jdbc:mysql://upgraddetest.cyaielc9bmnf.us-east-

- $1.rds. a mazon a ws. com/test database \setminus$
- --table SRC ATM TRANS \
- --username student --password STUDENT123 \
- --target-dir /user/root/SRC ATM TRANS/ \

-m

- > Step 3 Validation of imported data in HDFS
- a) hadoop fs -ls /user/root/SRC_ATM_TRANS/

b) hadoop fs -cat /user/root/SRC_ATM_TRANS/part-m-00000 | wc -l

```
[hadoop@ip-172-31-68-8 ~]$ hadoop fs -cat /user/root/SRC_ATM_TRANS/part-m-00000 | wc -1
2468572
[hadoop@ip-172-31-68-8 ~1$
```

c) hadoop fs -cat /user/root/SRC ATM TRANS/part-m-00000 | head -n 5