

Data Ingestion from the RDS to HDFS using Sqoop

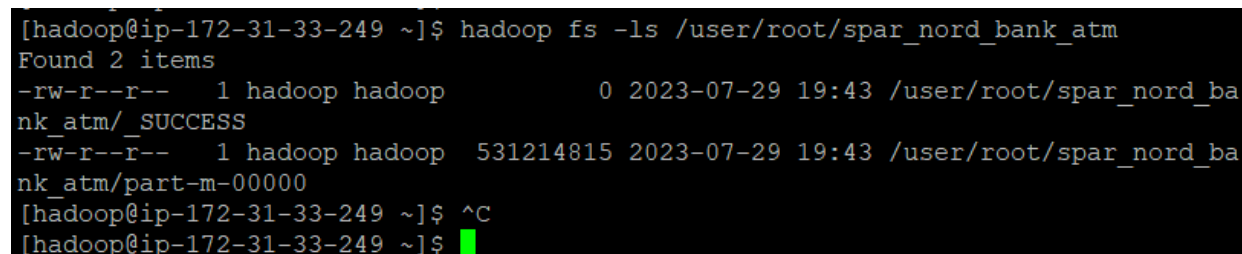
Sqoop Import command used for importing table from RDS to HDFS:

```
sqoop import \
--connect jdbc:mysql://upgraddetest.cyaieic9bmnf.us-east-1.rds.amazonaws.com/
testdatabase \
--table SRC_ATM_TRANS \
--username student --password STUDENT123 \
--target-dir /user/root/spar_nord_bank_atm \
-m1
```

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

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

Screenshot of the imported data:

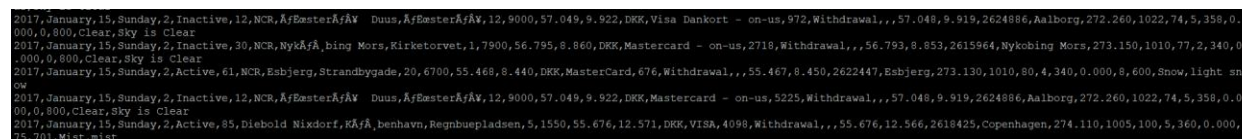


```
[hadoop@ip-172-31-33-249 ~]$ hadoop fs -ls /user/root/spar_nord_bank_atm
Found 2 items
-rw-r--r-- 1 hadoop hadoop 0 2023-07-29 19:43 /user/root/spar_nord_bank_atm/_SUCCESS
-rw-r--r-- 1 hadoop hadoop 531214815 2023-07-29 19:43 /user/root/spar_nord_bank_atm/part-m-000000
[hadoop@ip-172-31-33-249 ~]$ ^C
[hadoop@ip-172-31-33-249 ~]$
```

As can be seen in the screenshot, there are two files:-

1. The success file
2. The imported file 'part-m-0000'. There is only one file since only one mapper was used.

A portion of the read data:



```
2017,January,15,Sunday,2,Inactive,12,NCR,ÅfBøsterÅfÅV Duus,ÅfBøsterÅfÅV,12,9000,57.049,9.922,DKK,Visa Dankort - on-us,972,Withdrawal,,,57.049,9.919,2624886,Aalborg,272.260,1022,74,5,358,0.000,0,800,Clear,sky is Clear
2017,January,15,Sunday,2,Inactive,30,NCR,NykÅfÅ_bing Mors,Kirketorvet,1,7900,56.795,8.860,DKK,Mastercard - on-us,2718,Withdrawal,,,56.793,8.853,2615964,Nykobing Mors,273.150,1010,77,2,340,0.000,0,800,Clear,sky is Clear
2017,January,15,Sunday,2,Active,61,NCR,Esbjerg,Strandbygade,20,6700,55.468,8.440,DKK,MasterCard,676,Withdrawal,,,55.467,8.450,2622447,Esbjerg,273.130,1010,80,4,340,0.000,8,600,Snow,light sn
ow
2017,January,15,Sunday,2,Inactive,12,NCR,ÅfBøsterÅfÅV Duus,ÅfBøsterÅfÅV,12,9000,57.049,9.922,DKK,Mastercard - on-us,5225,Withdrawal,,,57.048,9.919,2624886,Aalborg,272.260,1022,74,5,358,0.000,0,800,Clear,sky is Clear
2017,January,15,Sunday,2,Active,85,Diebold Nixdorf,KÅfÅ_benhavn,Regnbuepladsen,5,1550,55.676,12.571,DKK,VISA,4098,Withdrawal,,,55.676,12.566,2618425,Copenhagen,274.110,1005,100,5,360,0.000,75,701,Mist,mist
```