

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/online_atm_transaction \
-m 1
```

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

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

```
hadoop fs -cat /user/root/online_atm_transaction/part-m-00000 | head
```

Screenshot of the imported data:

```
[root@ip-10-0-0-26 ~]# hadoop fs -ls /user/root/online_atm_transaction
Found 3 items
-rw-r--r-- 3 root supergroup 0 2021-01-30 03:42 /user/root/online_atm_transaction/_SUCCESS
-rw-r--r-- 3 root supergroup 531214815 2021-01-30 03:42 /user/root/online_atm_transaction/part-m-00000
```

```

Last login: Tue Feb  2 05:11:47 2021 from s0106a0ff70118c32.vc.shawcable.net
[ec2-user@ip-10-0-0-26 ~]$ sudo -i
[root@ip-10-0-0-26 ~]# hadoop fs -cat /user/root/online_atm_transaction/part-m-00000 | head
2017,January,1,Sunday,0,Active,1,NCR,NÅFÅ;stved,Farimagsvej,8,4700,55.233,11.763,DKK,MasterCard,5643,Withdrawal,,,55.230,11.761,2616038,Naestved,281.150,1014,87,7,260,0.215,92,500,Rain,light rain
2017,January,1,Sunday,0,Inactive,2,NCR,Vejgaard,Hadsundvej,20,9000,57.043,9.950,DKK,MasterCard,1764,Withdrawal,,,57.048,9.935,2616235,NÅFÅ,rresundby,280.640,1020,93,9,250,0.590,92,500,Rain,light rain
2017,January,1,Sunday,0,Inactive,2,NCR,Vejgaard,Hadsundvej,20,9000,57.043,9.950,DKK,VISA,1891,Withdrawal,,,57.048,9.935,2616235,NÅFÅ,rresundby,280.640,1020,93,9,250,0.590,92,500,Rain,light rain
2017,January,1,Sunday,0,Inactive,3,NCR,Ikast,RÅFÅVdhusstrÅFÅ;det,12,7430,56.139,9.154,DKK,VISA,4166,Withdrawal,,,56.139,9.158,2619426,Ikast,281.150,1011,100,6,240,0.000,75,300,Drizzle,light intensity dri
zle
2017,January,1,Sunday,0,Active,4,NCR,Svogerslev,BrÅFÅ;nsager,1,4000,55.634,12.010,DKK,MasterCard,5153,Withdrawal,,,55.642,12.000,2614481,Roskilde,280.610,1014,87,7,260,0.000,86,701,Mist,mist
2017,January,1,Sunday,0,Active,5,NCR,Nibe,Torvet,1,9240,56.983,9.639,DKK,MasterCard,3209,Withdrawal,,,56.981,9.639,2616483,Nibe,280.640,1020,93,9,250,0.590,92,500,Rain,light rain
2017,January,1,Sunday,0,Active,6,NCR,Fredericia,SjÅFÅ;llandsgade,33,7000,55.564,9.757,DKK,MasterCard,887,Withdrawal,,,55.566,9.753,2621951,Fredericia,281.150,1014,93,7,230,0.290,92,500,Rain,light rain
2017,January,1,Sunday,0,Active,7,Diebold Nixdorf,Hjallerup,Hjallerup Centret,18,9320,57.168,10.148,DKK,Mastercard - on-us,4626,Withdrawal,,,57.165,10.146,2620275,Hjallerup,280.640,1020,93,9,250,0.590,92,
500,Rain,light rain
2017,January,1,Sunday,0,Active,8,NCR,GlyngÅFÅ;re,FÅFÅ;rgevej,1,7870,56.762,8.867,DKK,MasterCard,470,Withdrawal,,,56.793,8.853,2615964,Nykobing Mors,281.150,1011,100,6,240,0.000,75,300,Drizzle,light inten
sity drizzle
2017,January,1,Sunday,0,Active,9,Diebold Nixdorf,Hadsund,Storegade,12,9560,56.716,10.114,DKK,VISA,8473,Withdrawal,,,56.715,10.117,2620952,Hadsund,280.640,1020,93,9,250,0.590,92,500,Rain,light rain
cat: Unable to write to output stream.
[root@ip-10-0-0-26 ~]#

```