



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.cyaielc9bmnf.us-east-1.rds.amazonaws.com/testdatabase \
- --table SRC ATM TRANS \
- --username student --password STUDENT123 \
- --target-dir /user/root/Atm_data \
- -m 1

We have imported the data from RDS to HDFS using sqoop import, where the jdbc:mysql://upgraddetest.cyaielc9bmnf.us-east-1.rds.amazonaws.com/testdatabase is the connects string to connect to RDS table, source table name is SRC_ATM_TRANS, target directory on hdfs is SRC_ATM_TRANS and number of mappers used is 1. It will take default field delimiter as ','.

Screenshot of the imported data:

Sqoop command submission:





Imported Data: 2468572 rows imported

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

hadoop fs -ls /user/root/Atm_data/

Viewing the file content:

hdfs dfs -cat /user/root/Atm_data/part-m-00000 |head -10





Iront@in=10-0-0-96 ~14 hdfs dfs -cat /user/root/Atm data/part-m-00000 lhead -1

2017, January, 1, Sunday, 0, Active, 1, NCR, NAfA; 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

2017, January, 1, Sunday, 0, Inactive, 2, NCR, Vejgaard, Hadsundwej, 20, 9000, 57.043, 9.950, DKK, MasterCard, 1764, Withdrawal, , , 57.048, 9.935, 2616235, NAfA, rresundby, 280.640, 1020, 93, 9, 250, 0.590, 92, 500, Rain, Lioht 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,NĀfĀ_rresundby,280.640,1020,93,9,250,0.590,92,500,Rain,ligh

2017, January, 1, Sunday, 0, Inactive, 3, NCR, Ikast, RĀfĀ¥dhusstrĀfĀ|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 drizzle

2017, January, 1, Sunday, 0, Active, 4, NCR, Svogerslev, BrÅfå, nsager, 1, 4000, 55.634, 12.018, DKK, MasterCard, 5153, Withdrawal, , , 55.642, 12.080, 2614481, Roskilde, 280.610, 1014, 87, 7, 260, 0.000, 88, 701, Mist, mi

2017, January, 1, Sunday, 0, Active, 5, NCR, Nibe, Torvet, 1, 9240, 56.983, 9.639, DKK, MasterCard, 3269, 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, 93, 9250, 0.590, 92, 500, Rain, light rain

2017, January, 1, Sunday, 0, Active, 8, NCR, Glyng Afa, re, FAfa¦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, Drizz le, light intensity 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