



Data Ingestion from the RDS to HDFS using Sqoop

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

This following command is used on the terminal to import data from RDS to HDFS. The data is saved into HDFS (path /user/livy).

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' --null-non-string '\N' \
- --target-dir /user/livy/atm transaction \
- -m 1

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

Because the data lies on HDFS, the following command is used to list the imported data.

hadoop fs -ls /user/livy/atm transaction

Screenshot of the imported data:

```
[hadoop@ip-172-31-84-63 mysql-connector-java-8.0.25]$ hadoop fs -ls /user/livy/atm_transaction Found 2 items
-rw-r--r- 1 hadoop livy 0 2022-11-18 14:32 /user/livy/atm_transaction/_SUCCESS
-rw-r--r- 1 hadoop livy 531214815 2022-11-18 14:32 /user/livy/atm_transaction/part-m-00000 [hadoop@ip-172-31-84-63 mysql-connector-java-8.0.25]$
```





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| 22/12/13 | 14:01:31 INPO db.DBInputFormat: Osing read committed transaction isolation | 22/12/13 | 14:01:31 INPO db.DBInputFormat: Osing read committed transaction isolation | 22/12/13 | 14:01:31 INPO daspedice. Absolute iter: Submitted process for job; job 1670828975516 0001 | 22/12/13 | 14:01:31 INPO magnetice. Osing the process of the process o
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[hadoop@ip-172-31-99-193 mysql-connector-java-8.0.2512 sudo hadoop fs -tail /user/livy/tm transaction/part-m-00000
9881,57.541,10.200,DEK, MasterCard, 7886, Withdrawal,,, 75.471,10.203, 2614010, Sindal, 277.589, 99, 87, 62.08, 0.000, 76, 803, Clouds, broken clouds
2017, December, 31, Sunday, 23, Inactive, 12, NCR, AffesterAfAv Duus, AffesterAfAv, 12, 9000, 57.049, 9.922, DEK, MasterCard - on-us, 2436, Withdrawal,,, 57.048, 9.919, 2624886, Aalborg, 277.589, 999, 87, 6, 208, 0.000, 76, 803, Clouds, broken clouds
2017, December, 31, Sunday, 23, Inactive, 12, NCR, AffesterAfAv Duus, AffesterAfAv, 12, 9000, 57.049, 9.922, DEK, MasterCard - on-us, 8519, Withdrawal,,, 57.048, 9.919, 2624886, Aalborg, 277.589, 999, 87, 6, 208, 0.000, 76, 803, Clouds, broken clouds
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2017, December, 31, Sunday, 23, Active, 37, NCR, Silkeborg, Borgergade, 36, 8600, 36.179, 9.552, DEK, VISA, 876, Withdrawal,,, 56.170, 9.545, 2614030, Silkeborg, 279.800, 988, 93, 4, 210, 0.000, 88, 804, Clouds, overcas clouds
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