## **MapReduce - Programming Assignment**

Task 2. Use Sqoop command to ingest the data from RDS into the HBase Table.

The following steps were followed for data ingestion from RDS into HBase table

Load the data to RDS instance
 Following screen short for reference from previous step (i.e. Task 1)

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2) Exit form RDS and load the table data in to the hbase.

Created the hbase table: nyc\_yellow\_taxi, set the column-family as TripDetails. Copied the data from the RDS TLCTripData table

#### **Sqoop import command:**

sqoop import \

- --connect "jdbc:mysql://assignment-db.crnreri2hsgn.us-east-1.rds.amazonaws.com:3306/demo" \
- --username admin --password admin123 \
- --table TLCTripData \
- --columns

"VendorID,tpep\_pickup\_datetime,tpep\_dropoff\_datetime,Passenger\_count,Trip\_distance,RateCodel D,Store\_and\_fwd\_flag,PULocationID,DOLocationID,Payment\_type,Fare\_amount,Extra,MTA\_tax,Tip\_a mount,Tolls amount,Improvement surcharge,Total amount" \

- --hbase-create-table \
- --hbase-table nyc\_yellow\_taxi \
- --column-family Trip\_details \
- --hbase-row-key VendorID,tpep\_pickup\_datetime,tpep\_dropoff\_datetime \
- --split-by tpep dropoff datetime \
- -m 8

### Screenshots for reference:

```
Proot@ip-10-0-21-165:
3/03/12 06:57:55 WARN mapreduce. Table MapReduce Util: The addDependency Jars
orrectly. Most users should rely on addDependencyJars(Job) instead. See HBASE-8: 23/03/12 06:57:55 INFO client.RMProxy: Connecting to ResourceManager at ip-10-0-
23/03/12 06:57:58 INFO db.DBInputFormat: Using read commited transaction isolat
3/03/12 06:57:58 INFO db.DataDrivenDBInputFormat: BoundingValsQuery: SELECT MIN
23/03/12 06:58:13 INFO db.IntegerSplitter: Split size: 575560500; Num splits: 8
23/03/12 06:58:14 INFO mapreduce.JobSubmitter: number of splits:8
3/03/12 06:58:14 INFO mapreduce.JobSubmitter: Submitting tokens for job: job_16
23/03/12 06:58:14 INFO mapreduce.Job: The url to track the job: http://ip-10-0-
3/03/12 06:58:14 INFO mapreduce.Job: Running job: job_1678598389874_0002
3/03/12 06:58:22 INFO mapreduce.Job: Job job_1678598389874_0002 running in uber
3/03/12 06:59:07 INFO mapreduce.Job:
                                         map 25% reduce 0%
3/03/12 06:59:33 INFO mapreduce.Job:
                                         map 38% reduce 0%
23/03/12 07:04:28 INFO mapreduce.Job:
                                         map 50% reduce 0%
3/03/12 07:07:53 INFO mapreduce.Job:
                                          map 63% reduce 0%
23/03/12 07:12:58 INFO mapreduce.Job:
                                              75% reduce 0%
                                          map
23/03/12 07:16:32 INFO mapreduce.Job:
                                          map 88% reduce 0%
 3/03/12 07:20:10
                   INFO mapreduce.Job:
                                          map 0% reduce 0%
3/03/12 07:20:54 INFO mapreduce.Job:
                                          map 13% reduce 0%
23/03/12 07:20:55 INFO mapreduce.Job:
                                          map 25% reduce 0%
 3/03/12 07:21:21 INFO mapreduce.Job:
                                         map 38% reduce 0%
```

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Assignment Submitted by:

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