HIVE Lab exercises

Apache Hadoop: Hive Core Concepts, Architecture, and Optimizations

Lab Exercise-1 Workbook

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Exercise 1: Create Movies table (Managed)

Task 1: Use Sqoop to import movies table in to hive

\$ sqoop import --connect jdbc:mysql://localhost/moviesdb --table movies --username training --password training --hive-import --delete-target-dir

Task 2: Check the imported table in HDFS. Execute the following HDFS commands

hdfs dfs -ls /user/hive/warehouse/movies hdfs dfs -cat /user/hive/warehouse/movies/part-m-00000

Task 3:Fire an SQL query to find out the count of movies released in 1950,genre contains Drama

\$hive

Select count(*) FROM movies WHERE year = 1950; Select * from movies Where genre like '%Drama%'; Select * from movies Where genre like 'Drama';

Lab Exercise 02 – Managed and External Tables

Task 1:Creating a hive table manually (Managed Table)--beeline

Shive

hive> CREATE TABLE users(userid int , gender string, age int, occupation int, zipcode int)

ROW FORMAT DELIMITED FIELDS TERMINATED BY ':';

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Task 2: Load data in to a hive table

LOAD DATA local INPATH

"/home/ubuntu/training_materials/developer/data/movies/users.dat" OVERWRITE INTO TABLE users;

Task 3: Creating EXTERNAL TABLES

CREATE EXTERNAL TABLE userratings (userid int,movieid int,rating int,createtimestamp int) ROW FORMAT DELIMITED FIELDS TERMINATED BY ':' LOCATION '/user/ubuntu/userratings'

Task 4: Load data in to a hive table

LOAD DATA local INPATH

'/home/ubuntu/training_materials/developer/data/movies/ratings.dat' OVERWRITE INTO TABLE userratings;