MySql

I get this error even after changing the mysql.cnf file to

!includedir /etc/mysql/conf.d/

!includedir /etc/mysql/mysql.conf.d/

[mysqld]

pid-file = /var/run/mysqld/mysqld.pid

socket = /var/run/mysqld/mysqld.sock

datadir = /var/lib/mysql

secure-file-priv= ""

and check if it is updated in the mysql location in docker container using bash   
  
THE ISSUE: is with the outfile location that is in the select statement of the task

SELECT DATE, STORE\_LOCATION, ROUND((SUM(SP) - SUM(CP)), 2) AS lc\_profit FROM clean\_store\_transactions WHERE DATE = SUBDATE(date(now()),1) GROUP BY STORE\_LOCATION ORDER BY lc\_profit DESC INTO OUTFILE '/store\_files\_mysql/location\_wise\_profit.csv' FIELDS TERMINATED BY ',' LINES TERMINATED BY '\n';

SELECT DATE, STORE\_ID, ROUND((SUM(SP) - SUM(CP)), 2) AS st\_profit FROM clean\_store\_transactions WHERE DATE = SUBDATE(date(now()),1) GROUP BY STORE\_ID ORDER BY st\_profit DESC INTO OUTFILE '/store\_files\_mysql/store\_wise\_profit.csv' FIELDS TERMINATED BY ',' LINES TERMINATED BY '\n';

Apparently '/store\_files\_mysql/location\_wise\_profit.csv' this location is throwing error but using ‘/var/lib/mysql-files/location\_wise\_profit.csv' as the location does not give error.

THE ERROR :

SELECT DATE, STORE\_ID, ROUND((SUM(SP) - SUM(CP)), 2) AS st\_profit FROM clean\_store\_transactions WHERE DATE = SUBDATE(date(now()),1) GROUP BY STORE\_ID ORDER BY st\_profit DESC INTO OUTFILE '/store\_files\_mysql/store\_wise\_profit.csv' FIELDS TERMINATED BY ',' LINES TERMINATED BY '\n';[0m

[2024-06-28 16:08:12,292] {{taskinstance.py:1047}} ERROR - (1290, 'The MySQL server is running with the --secure-file-priv option so it cannot execute this statement')

Traceback (most recent call last):

File "/usr/local/lib/python3.7/site-packages/airflow/models/taskinstance.py", line 922, in \_run\_raw\_task

result = task\_copy.execute(context=context)

File "/usr/local/lib/python3.7/site-packages/airflow/operators/mysql\_operator.py", line 67, in execute

parameters=self.parameters)

File "/usr/local/lib/python3.7/site-packages/airflow/hooks/dbapi\_hook.py", line 172, in run

cur.execute(s)

File "/usr/local/lib/python3.7/site-packages/MySQLdb/cursors.py", line 255, in execute

self.errorhandler(self, exc, value)

File "/usr/local/lib/python3.7/site-packages/MySQLdb/connections.py", line 50, in defaulterrorhandler

raise errorvalue

File "/usr/local/lib/python3.7/site-packages/MySQLdb/cursors.py", line 252, in execute

res = self.\_query(query)

File "/usr/local/lib/python3.7/site-packages/MySQLdb/cursors.py", line 378, in \_query

db.query(q)

File "/usr/local/lib/python3.7/site-packages/MySQLdb/connections.py", line 280, in query

\_mysql.connection.query(self, query)

THE SOLUTION according to Chat-GPT:  
  
why doesnt /store\_files\_mysql/location\_wise\_profit.csv' path work ?

ChatGPT

The reason why the path /store\_files\_mysql/location\_wise\_profit.csv doesn't work is related to the MySQL server's security configuration, specifically the --secure-file-priv option.

MySQL uses the secure-file-priv option to restrict the locations where it can read and write files for security reasons. When this option is set, MySQL can only read and write files from the specified directory and its subdirectories. By default, this option is often set to a directory like /var/lib/mysql-files/ for security reasons.

Here's why /store\_files\_mysql/location\_wise\_profit.csv doesn't work:

Security Restrictions: MySQL's secure-file-priv option restricts the ability to read from or write to files outside the designated directory. If you attempt to write a file to a path not permitted by secure-file-priv, MySQL will raise an error like The MySQL server is running with the --secure-file-priv option so it cannot execute this statement.

Configuration: To allow MySQL to write files to a specific directory, you must configure the secure-file-priv option in MySQL's configuration (my.cnf) to point to the directory where you want MySQL to read from or write to files.

Correct Path Usage: Ensure that the path specified in your INTO OUTFILE clause matches the directory configured in secure-file-priv. For example, if secure-file-priv is set to /var/lib/mysql-files/, then your SQL query should write to a path like /var/lib/mysql-files/location\_wise\_profit.csv.

Solution:

To fix the issue:

Check secure-file-priv Setting: Determine the directory specified by secure-file-priv using the MySQL command SHOW VARIABLES LIKE 'secure\_file\_priv';.

Update SQL Queries: Modify your SQL queries to use the directory allowed by secure-file-priv. For instance:

sql

Copy code

SELECT DATE, STORE\_LOCATION, ROUND((SUM(SP) - SUM(CP)), 2) AS lc\_profit

FROM clean\_store\_transactions

WHERE DATE = SUBDATE(date(now()),1)

GROUP BY STORE\_LOCATION

ORDER BY lc\_profit DESC

INTO OUTFILE '/var/lib/mysql-files/location\_wise\_profit.csv'

FIELDS TERMINATED BY ','

LINES TERMINATED BY '\n';

Verify Directory Permissions: Ensure that the directory specified in secure-file-priv is accessible and writable by the MySQL server process.

By aligning your SQL INTO OUTFILE paths with the secure-file-priv directory, you can ensure that MySQL executes the statements without encountering security restrictions. Always remember to restart MySQL after making changes to the my.cnf file to apply the new configuration.

What I’m trying :  
  
to add the select stmt location to mysql.cnf file

!includedir /etc/mysql/conf.d/

!includedir /etc/mysql/mysql.conf.d/

[mysqld]

pid-file = /var/run/mysqld/mysqld.pid

socket = /var/run/mysqld/mysqld.sock

datadir = /var/lib/mysql

secure-file-priv= "/store\_files\_mysql/location\_wise\_profit.csv"