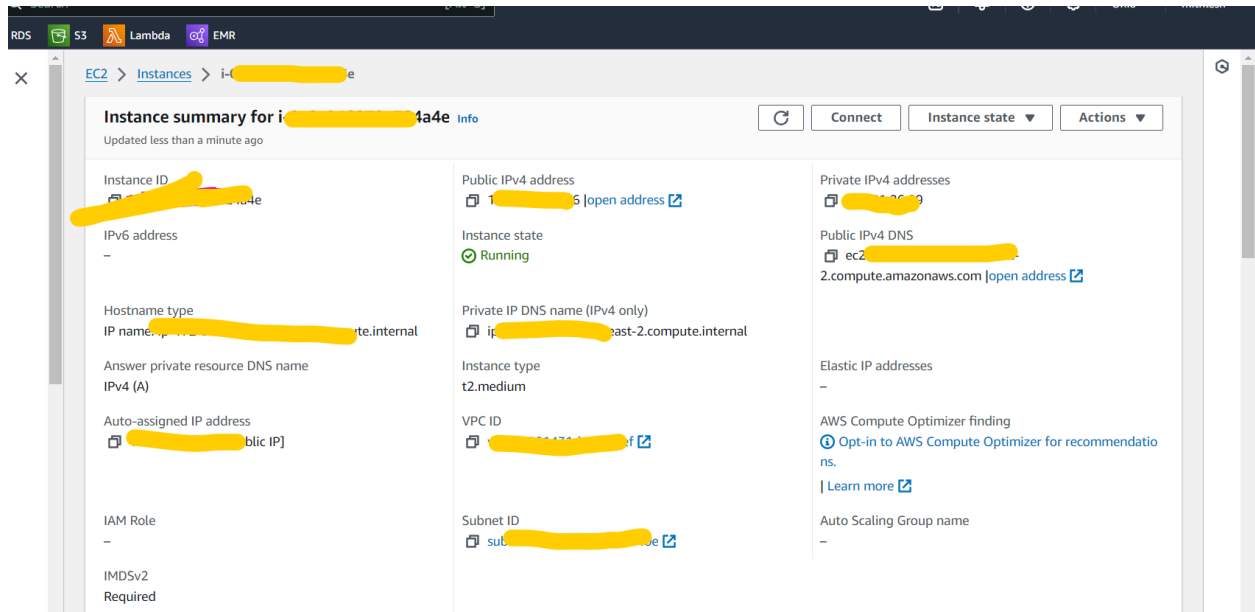


Airflow examples

Create ec2 instance:

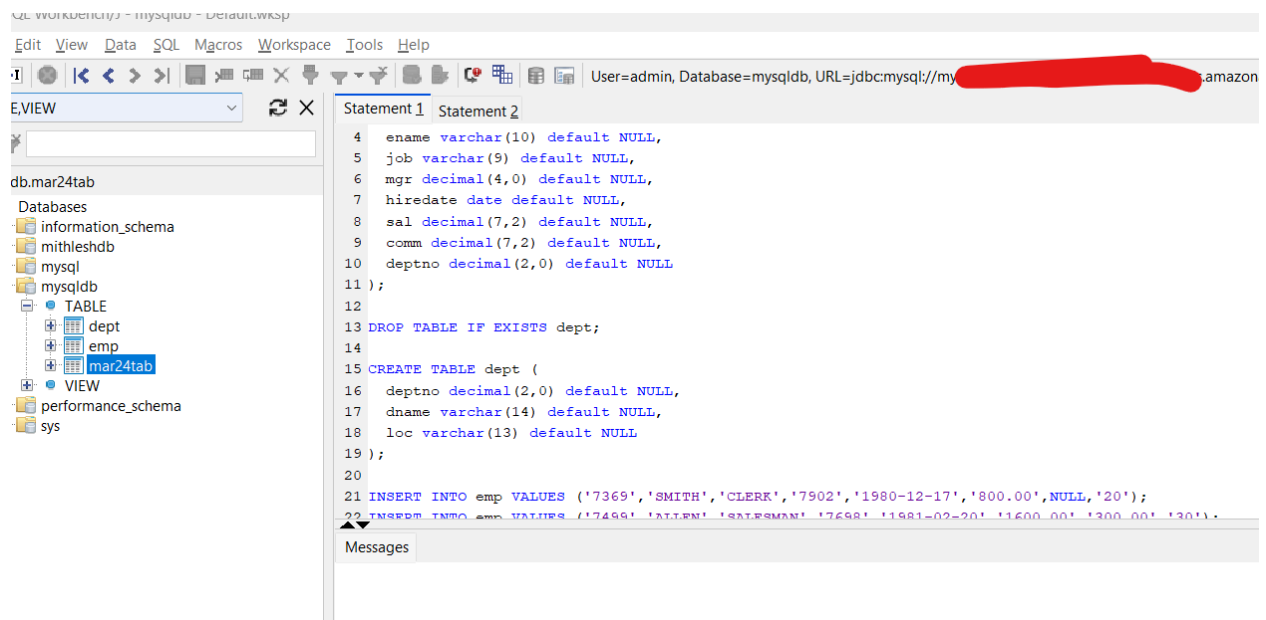


Update security groups inbound rules  
8080 customip

Updated instance memory config to 10gb

**Update connections as below:**

This should match the RDS mysqlpdb connection as below:



DAG connection:

Airflow DAGs Cluster Activity Datasets Security Browse Admin Docs 15:15 UTC AU

Edit Connection

Connection Id \* connect\_mysql

Connection Type \* MySQL  
Connection Type missing? Make sure you've installed the corresponding Airflow Provider Package.

Description

Host mysql[redacted].amazonaws.com

Schema mysql

Login admin

Password

Port 3306

{}

In EC2: terminal

Create a dag folder under airflow

```
* Ubuntu Pro delivers the most comprehensive open source security and
compliance features.


https://ubuntu.com/aws/pro

Expanded Security Maintenance for Applications is not enabled.

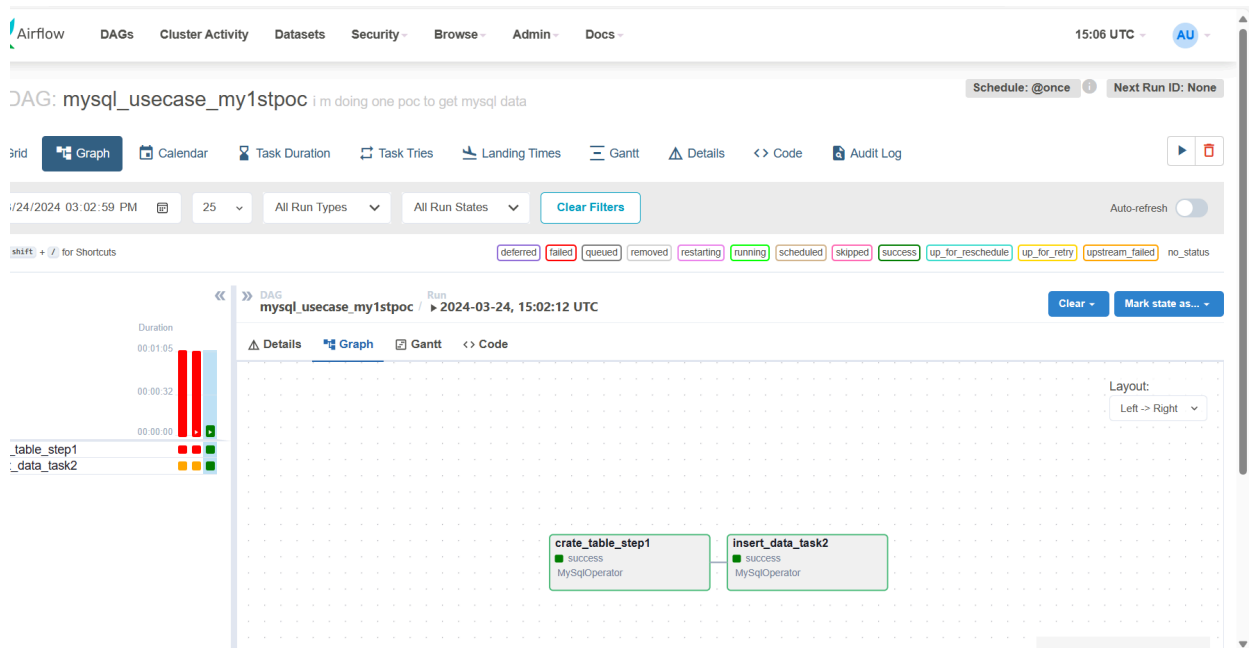
updates can be applied immediately.
To see these additional updates run: apt list --upgradable

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

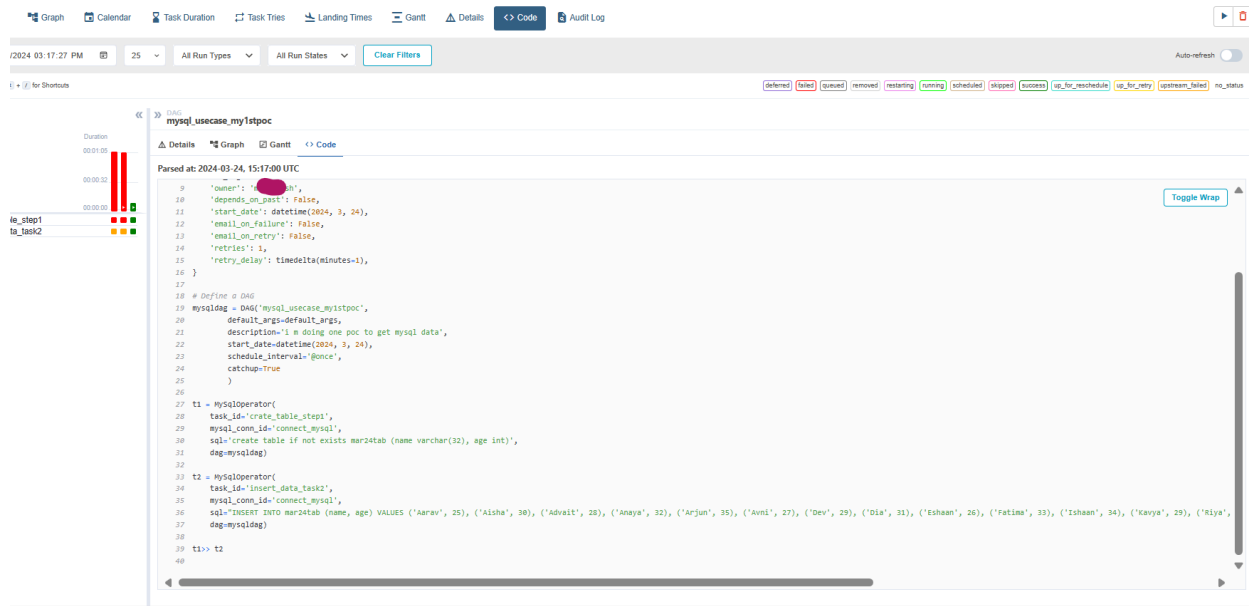
** System restart required **
Last login: Sun Mar 24 14:56:15 2024 from [REDACTED]
buntu@ip-10-0-1-10:~$ ls -lrt
total 8
-rw-rw-r-- 1 ubuntu ubuntu 1394 Mar 24 14:34 airflowdagsample.py
-rwxrwxr-x 4 ubuntu ubuntu 4096 Mar 24 15:20 airflow
buntu@ip-10-0-1-10:~$ cd airflow/dags/
buntu@ip-10-0-1-10:~/airflow/dags$ ls -lrt
total 8
-rw-rw-r-- 1 ubuntu ubuntu 1394 Mar 24 14:39 airflowdagsample.py
-rwxrwxr-x 2 ubuntu ubuntu 4096 Mar 24 14:44 __pycache__
buntu@ip-10-0-1-10:~/airflow/dags$ pwd
/home/ubuntu/airflow/dags
buntu@ip-10-0-1-10:~/airflow/dags$
```

 **Note:** In most cases, the guessed username is correct. However, read your AMI usage instructions to check if

Check the DAG graph to identify process:

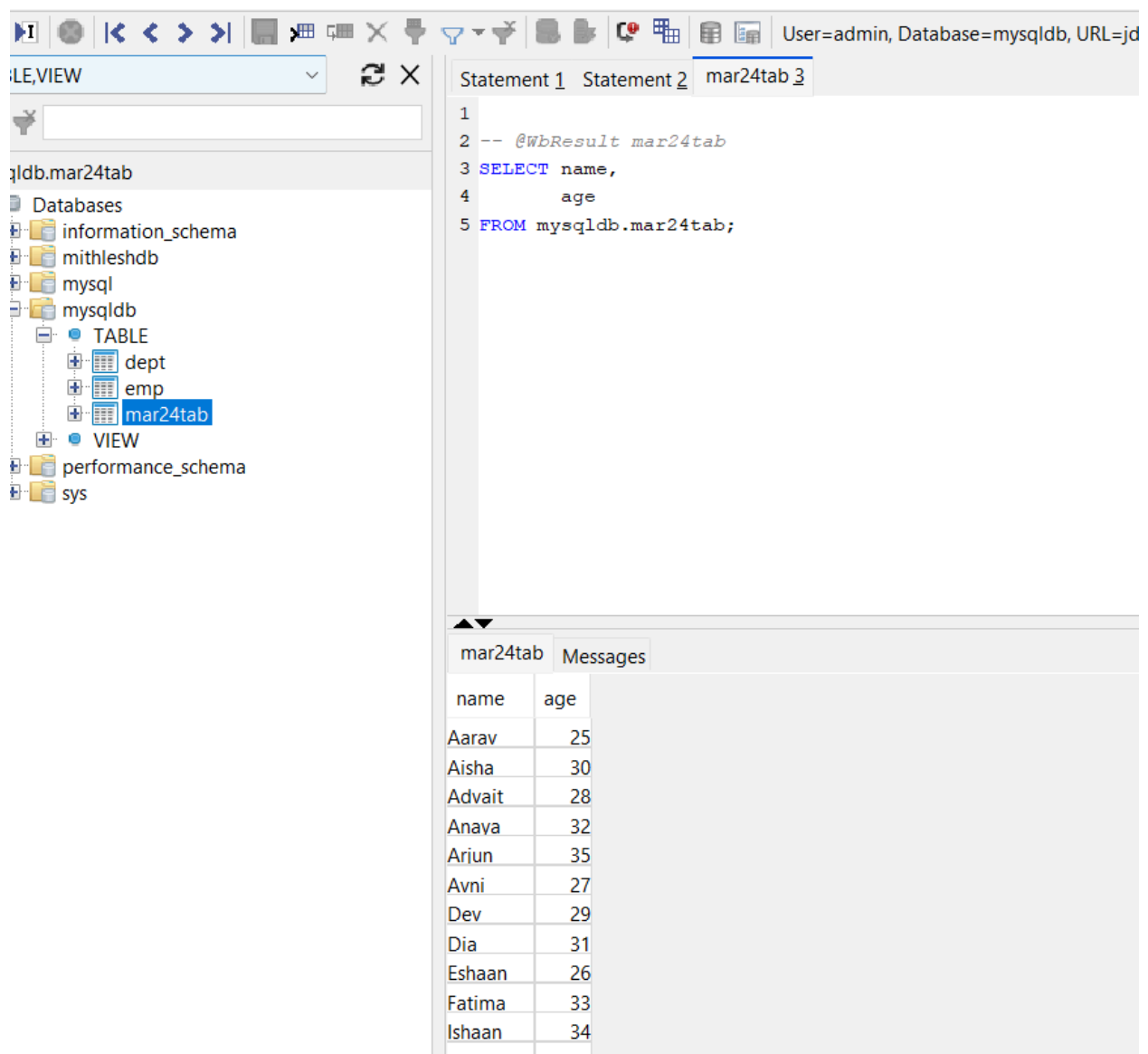


## Code: DAG



Finally it should load data from into RDS mysqlpdb using airflow from DAG

- 1) Make sure update inbound rules to 8080 port
- 2) Update cfg file loadexamples to TRUE in ec2 terminal under airflow folder
- 3) During installation make sure
- 4) `sudo apt install default-libmysqlclient-dev -y`  
`pip install apache-airflow-providers-ssh`  
`pip install apache-airflow-providers-mysql`  
`airflow standalone`



The screenshot shows a MySQL database client interface. The top toolbar includes various icons for file operations and database management. The status bar at the top right indicates 'User=admin, Database=mysqlpdb, URL=jdbc:mysql://localhost:3306/mysqlpdb?user=admin&password=admin'.

The left sidebar shows the database structure. Under 'Databases', 'mysqlpdb' is selected, and its contents are expanded to show 'TABLE' and 'VIEW'. The 'TABLE' section is further expanded, showing 'dept', 'emp', and 'mar24tab' (which is highlighted).

The main area displays the SQL statement for the 'mar24tab' table:

```
Statement 1 Statement 2 mar24tab 3
1
2 -- @WbResult mar24tab
3 SELECT name,
4     age
5 FROM mysqlpdb.mar24tab;
```

Below the SQL statement, the results of the query are shown in a table format:

name	age
Aarav	25
Aisha	30
Advait	28
Anaya	32
Arijun	35
Avni	27
Dev	29
Dia	31
Eshaan	26
Fatima	33
Ishaan	34
...	...