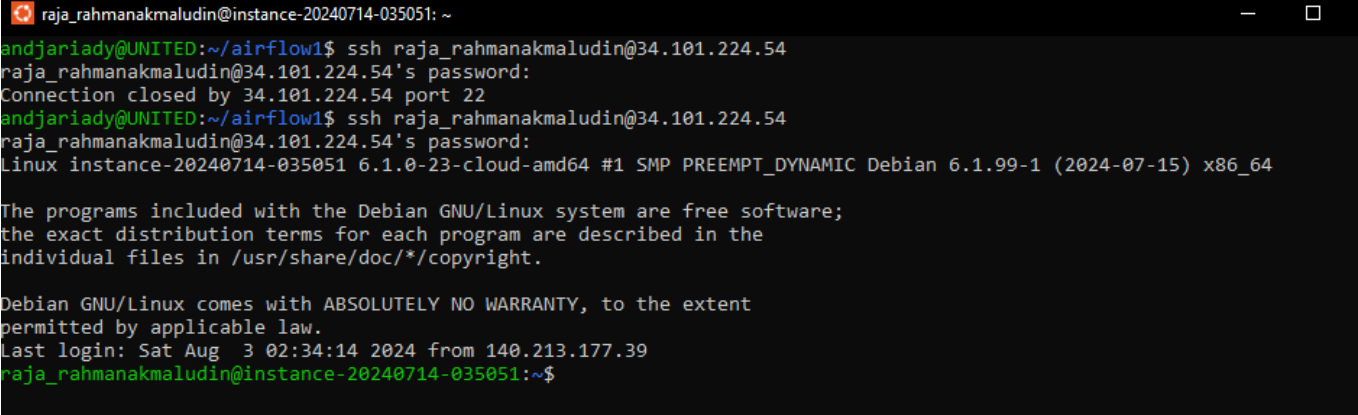


**RIADY ANDJAR SAPUTRA**

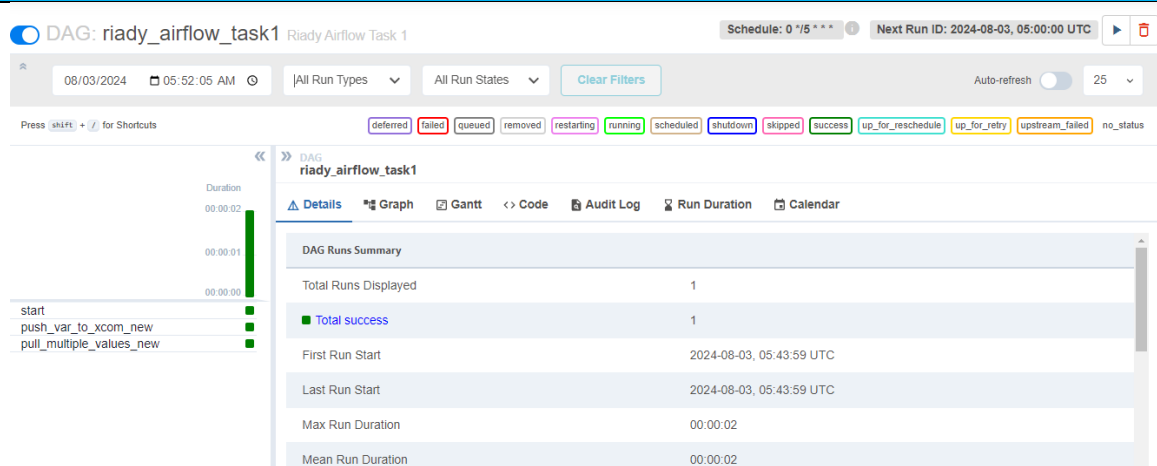
**DE – 4**

**AIRFLOW TASK 1**

No	Deskripsi	Perintah / Output
1.1	Pertama kita coba sambungkan computer local dengan ke alamat IP 34.101.224.54 dan memasukkan password untuk login sebagai <b>raja_rahmanakmaludi</b> .	 <pre>raja_rahmanakmaludin@instance-20240714-035051: ~ andjariady@UNITED:~/airflow1\$ ssh raja_rahmanakmaludin@34.101.224.54 raja_rahmanakmaludin@34.101.224.54's password: Connection closed by 34.101.224.54 port 22 andjariady@UNITED:~/airflow1\$ ssh raja_rahmanakmaludin@34.101.224.54 raja_rahmanakmaludin@34.101.224.54's password: Linux instance-20240714-035051 6.1.0-23-cloud-amd64 #1 SMP PREEMPT_DYNAMIC Debian 6.1.99-1 (2024-07-15) x86_64  The programs included with the Debian GNU/Linux system are free software; the exact distribution terms for each program are described in the individual files in /usr/share/doc/*/copyright.  Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent permitted by applicable law. Last login: Sat Aug 3 02:34:14 2024 from 140.213.177.39 raja_rahmanakmaludin@instance-20240714-035051:~\$</pre>

No	Deskripsi	Perintah / Output
1.2	Ketikkan perintah Linux <b>sudo nano riady_task1_airflow.py</b> untuk membuat dan mengedit isi file tersebut, kemudian file tersebut akan tersimpan ke dalam computer yang sudah kita sambungkan tadi. Tepatnya file tersebut disimpan di <b>raja_rahmanakmaludin@instance-20240714-035051:~/airflow-data/docker/dags</b>	<pre> raja_rahmanakmaludin@instance-20240714-035051:~/airflow-data/docker/dags\$ ls Alterra_Connection_Fiqar.py      etl_github_data.py              kharisma-airflow-task2.py Alterra_Hook_Fiqar.py           farhan_task2.py                 kharisma_airflow_task1.py Fiqar_Airflow_Task1.py         farhan_task_1.py               kharisma_airflow_task2.py Fiqar_Airflow_Task2.py         farhan_test.py                 loop_print_var_example.py __pycache__                   fitri_airflowtask1.py          rais-alltask1-airflow.py alterra_connection_kharisma.py  fitri_airflowtask2.py          rais-alltask2-airflow.py alterra_connection_yovina.py    get_var_example.py             riady_task1_airflow.py alterra_hasda_task-1.py        has.py                         sample.csv alterra_hook_kharisma.py       hello_world.py                 tuagashas.py alterra_hook_yovina.py         hello_world_operator.py        tugasalterra.py alterra_nurhasanahdarus_task1.py hook_example.py                tugastask2has.py alterra_tes_connection_khairullah.py hook_example_dimas.py          wartadi_task1_airflow.py connection_dimas_task2.py      hook_example_fitri.py          wartadi_task1_airflow_new.py connection_example.py          ingestion.py                    wartadi_task2_airflow.py connection_example_dimas.py    integrate_all.py               xcom_example_decorator.py connection_example_fitri.py    integrate_all_part2.py         xcom_example_native.py dag_github_data.py            integrate_all_part3.py         yovina_airflow_task1.py dimas-alltask1-airflow.py     khairullah_airflow_task1.py    yovina_airflow_task2.py dimas-alltask2-airflow.py     khairullah_airflow_task2.py    zola_task1_airflow.py dimas-task1-airflow.py        kharisma-airflow-task2-new.py  zola_task2_airflow.py raja_rahmanakmaludin@instance-20240714-035051:~/airflow-data/docker/dags\$ </pre>

No	Deskripsi	Perintah / Output
2.1	<p>Ini adalah query yang akan membuat DAG berjalan setiap 5 jam, lalu menyimpan beberapa nilai ke XCom, kemudian nilai-nilai tersebut diambil dari XCom.</p> <p>Query ini menjadi trigger untuk task program yang akan berjalan pada Airflow.</p> <p>Terdapat 3 task dalam query ini:</p> <ol style="list-style-type: none"> <li>1. Start</li> <li>2. Push_var_to_xcom_new</li> <li>3. Pull_multiple_values_new</li> </ol>	<pre> from datetime import datetime from airflow import DAG from airflow.operators.python_operator import PythonOperator from airflow.operators.empty import EmptyOperator  # Number 1 Create DAG that run in every 5 hours. dag=DAG(     'riady_airflow_task1',     description='Riady Airflow Task 1',     schedule_interval='0 */5 * * *',     start_date=datetime(2023, 10, 21),     catchup=False ) start = EmptyOperator(     task_id='start',     dag=dag, )  # ti = task instance # Number 2 Suppose we define a new task that push a variable to xcom. def push_var_to_xcom_new(ti=None):     ti.xcom_push(key='departement', value='Bussiness Development')     ti.xcom_push(key='departement1', value='Human Resources')     ti.xcom_push(key='departement2', value='IT Support') </pre>

No	Deskripsi	Perintah / Output												
2.2	<p>Setelah itu kita buka <a href="http://34.101.224.54:8080/">http://34.101.224.54:8080/</a> untuk masuk ke local airflow.</p> <p>File yang berisi perintah tadi sudah masuk ke dalam Airflow tersebut dan sukses belum ada error yang terjadi.</p>	 <p>DAG: riady_airflow_task1 Riady Airflow Task 1</p> <p>Schedule: 0 */5 * * * * Next Run ID: 2024-08-03, 05:00:00 UTC</p> <p>08/03/2024 05:52:05 AM   All Run Types   All Run States   Clear Filters   Auto-refresh: 25</p> <p>Press <b>shift</b> + <b>/</b> for Shortcuts</p> <p>deferred failed queued removed restarting running scheduled shutdown skipped success up_for_reschedule up_for_retry upstream_failed no_status</p> <p>DAG riady_airflow_task1</p> <p>Details Graph Gantt Code Audit Log Run Duration Calendar</p> <p>DAG Runs Summary</p> <table><tr><td>Total Runs Displayed</td><td>1</td></tr><tr><td>Total success</td><td>1</td></tr><tr><td>First Run Start</td><td>2024-08-03, 05:43:59 UTC</td></tr><tr><td>Last Run Start</td><td>2024-08-03, 05:43:59 UTC</td></tr><tr><td>Max Run Duration</td><td>00:00:02</td></tr><tr><td>Mean Run Duration</td><td>00:00:02</td></tr></table>	Total Runs Displayed	1	Total success	1	First Run Start	2024-08-03, 05:43:59 UTC	Last Run Start	2024-08-03, 05:43:59 UTC	Max Run Duration	00:00:02	Mean Run Duration	00:00:02
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