





ELT pipeline using Airflow

1. Setup MySQL and Postgresql Connection inside Airflow

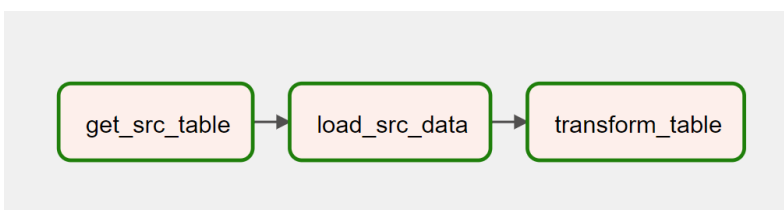
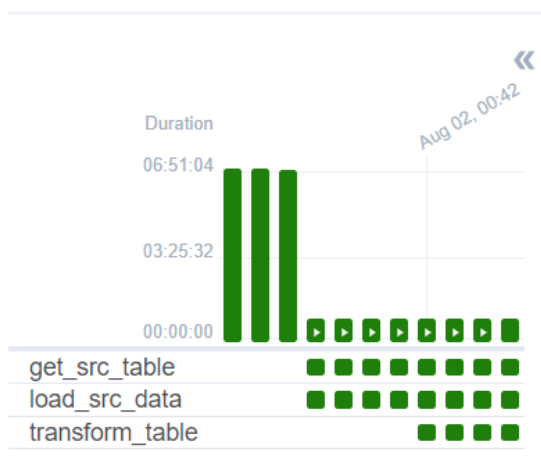
<input type="checkbox"/>	Conn Id ↕	Conn Type ↕	Description ↕	Host ↕	Port ↕
<input type="checkbox"/>	  mysql_local	mysql		host.docker.internal	3307
<input type="checkbox"/>	  postgres_localhost	postgres		host.docker.internal	5432

2. Import raw data into the MySQL table

```
select * from ETL limit 10;
```

S.No.	president	prior	party	vice	salary
1	George Washington	Commander-in-Chief of the Continental Army (1775)	Nonpartisan	John Adams	\$5,000.0
2	john adams	1st Vice President of the United States	Federalist	Thomas Jefferson	\$10,000.
3	Thomas Jefferson	2nd Vice President of the United States	Democratic- Republican	Aaron Burr	\$15,000.
4	James Madison	5th United States Secretary of State (1801-1809)	Democratic- Republican	George Clinton	\$20,000.
5	JAMES MONROE	7th United States Secretary of State (1811-1817)	Democratic- Republican	Daniel D. Tompkins	\$25,000.
6	John Quincy Adams	8th United States Secretary of State (1817-1825)	Democratic- Republican	John C. Calhoun	\$30,000.
7	Andrew Jackson	U.S. Senator (Class 2) from Tennessee (1823-1825)	Democratic	John C. Calhoun	\$35,000.
8	Martin Van Buren	8th Vice President of the United States	Democratic	Richard Mentor Johnson	\$40,000.
9	William Henry Harrison	United States Minister to Colombia (1828-1829)	Whig	John Tyler	\$45,000.
10	john tyler	10th Vice President of the United States	Whig April 4, 1841 - September 13, 1841	Office vacant	\$50,000.

3. Run the DAG in the Airflow manually or wait for it to schedule



4. Check the Postgresql DB for the cleaned data

```
select * from cleaned_table ct limit 10;
```

cleaned_table 1 ×

select * from cleaned_table ct limit 10 | Enter a SQL expression to filter results (use Ctrl+Space)

	President	Party	Vice President	Salary	Date_Updated	Date_Created
1	George Washington	Nonpartisan	John Adams	5,000.00	14-07-2021	03-04-2012
2	John Adams	Federalist	Thomas Jefferson	10,000.00	14-07-2021	03-04-2012
3	Thomas Jefferson	Democratic- Republican	Aaron Burr	15,000.00	14-07-2021	03-04-2012
4	James Madison	Democratic- Republican	George Clinton	20,000.00	14-07-2021	03-04-2012
5	James Monroe	Democratic- Republican	Daniel D. Tompkins	25,000.00	14-07-2021	03-04-2012
6	John Quincy Adams	Democratic- Republican	John C. Calhoun	30,000.00	14-07-2021	03-04-2012
7	Andrew Jackson	Democratic	John C. Calhoun	35,000.00	14-07-2021	03-04-2012
8	Martin Van Buren	Democratic	Richard Mentor Johnson	40,000.00	14-07-2021	03-04-2012
9	William Henry Harrison	Whig	John Tyler	45,000.00	14-07-2021	03-04-2012
10	John Tyler	Whig	Office Vacant	50,000.00	14-07-2021	03-04-2012