Add Airflow Connections to AWS Redshift
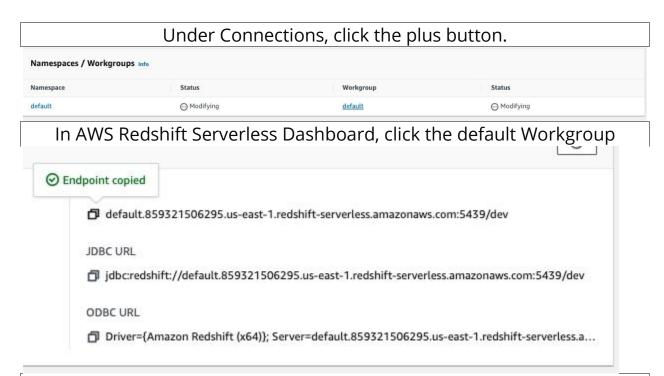Here, we'll use Airflow's UI to connect to AWS Redshift

1. To go to the Airflow UI:
   - Once you see the message "Airflow web server is ready" click on the blue **Access Airflow** button in the bottom right.
2. Click on the **Admin** tab and select **Connections**.
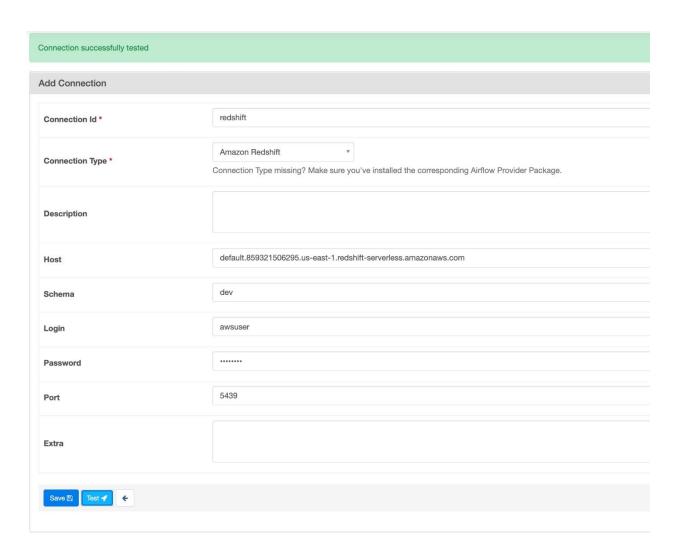

Click on the Admin tab and select Connections.

3. Under **Connections**, select **Create**.

Under Connections, click the plus button.

Namespaces / Workgroups Info

Namespace	Status	Workgroup	Status
default	⊙ Modifying	default	⊙ Modifying

In AWS Redshift Serverless Dashboard, click the default Workgroup

⊘ Endpoint copied

🗗 default.859321506295.us-east-1.redshift-serverless.amazonaws.com:5439/dev

JDBC URL

🗗 jdbc:redshift://default.859321506295.us-east-1.redshift-serverless.amazonaws.com:5439/dev

ODBC URL

🗗 Driver={Amazon Redshift (x64)}; Server=default.859321506295.us-east-1.redshift-serverless.a...

Copy the Redshift endpoint, found by clicking the Workgroup link
On the Airflow create connection page, enter the following values:

- **Connection Id**: Enter `redshift`.
- **Connection Type**: Choose `Amazon Redshift`.
- **Host**: Enter the endpoint of your Redshift Serverless workgroup, excluding the port and schema name at the end. You can find this by selecting your workgroup in the Amazon Redshift console. See where this is located in the screenshot below. IMPORTANT: Make sure to **NOT** include the port and schema name at the end of the Redshift endpoint string.
- **Schema**: Enter `dev`. This is the Redshift database you want to connect to.
- **Login**: Enter `awsuser`.
- **Password**: Enter the password you created when launching Redshift serverless.
- **Port**: Enter `5439`. Once you've entered these values, select **Save**.

Connection successfully tested

Add Connection

Connection Id *	redshift
Connection Type *	Amazon Redshift ▼
	Connection Type missing? Make sure you've installed the corresponding Airflow Provider Package.
Description	
Host	default.859321506295.us-east-1.redshift-serverless.amazonaws.com
Schema	dev
Login	awsuser
Password	••••••••
Port	5439
Extra	

Save 💾   Test ✈   ←

Click the Test button, then click Save

HINT: Saving Connections

After setting up your Redshift Connection in Airflow, **you need to save it in the following script** in the workspace, so that it won't get lost after a refresh.

set_connections.sh

```
# TO-DO: run the follwing command and observe the JSON output:
# airflow connections get redshift -o json
#
# [{"id": "3",
# "conn_id": "redshift",
```

```
# "conn_type": "redshift",
# "description": "",
# "host": "default.859321506295.us-east-1.redshift-
serverless.amazonaws.com",
# "schema": "dev",
# "login": "awsuser",
# "password": "R3dsh1ft",
# "port": "5439",
# "is_encrypted": "False",
# "is_extra_encrypted": "False",
# "extra_dejson": {},
# "get_uri":
"redshift://awsuser:R3dsh1ft@default.859321506295.us-east-
1.redshift-serverless.amazonaws.com:5439/dev"}]
#
# Copy the value after "get_uri":
#
# For example:
redshift://awsuser:R3dsh1ft@default.859321506295.us-east-
1.redshift-serverless.amazonaws.com:5439/dev
#
```

Awesome! You're now all configured to run Airflow with Redshift.

If you need to reset the Admin Password:

If you are having authentication problems, reset the user and password:

(it can take a few minutes for the update to finish after it appears to be finished)

In AWS Serverless Dashboard, click the Namespace, click the the Change admin password button