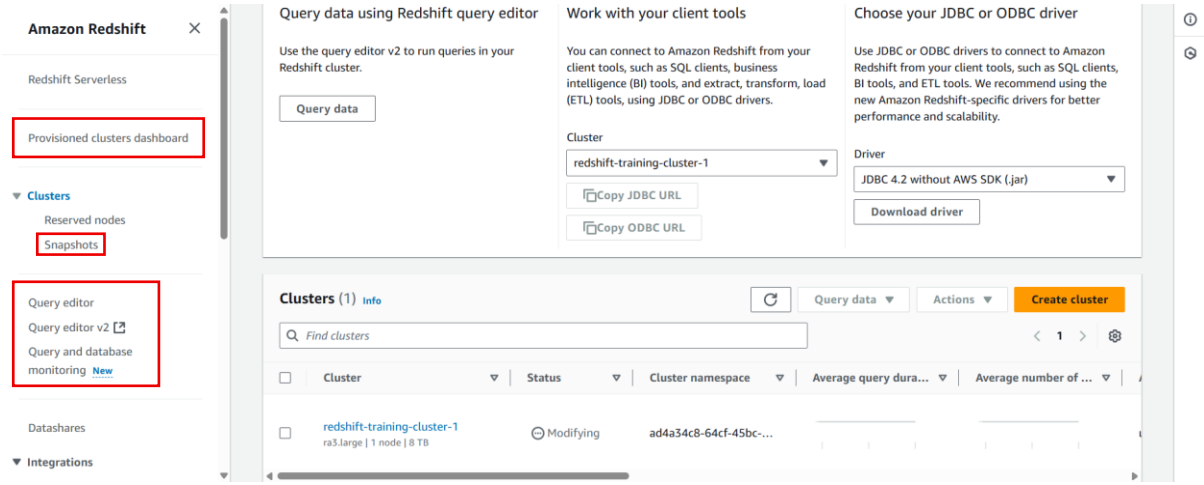
Access Redshift cluster & Query Editor

To Begin with the Lab

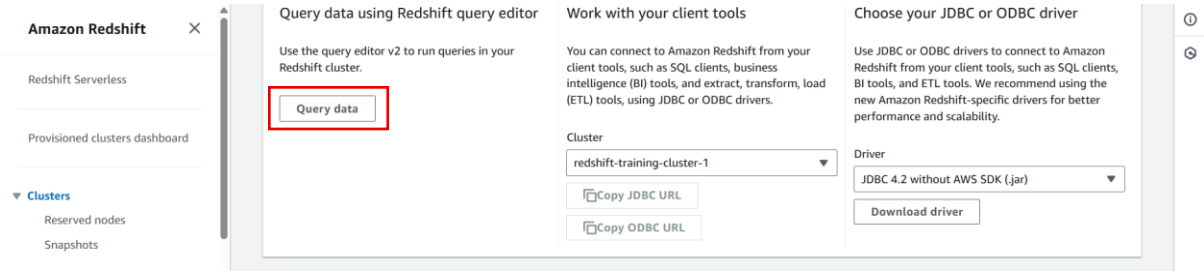
Summary of the Lab

In this lab, you learn how to access and query an Amazon Redshift cluster using the AWS Management Console. After creating the cluster, you can view it in the Redshift dashboard and connect using Query Editor v2 or external tools via JDBC/ODBC. Using your database credentials, you connect, explore the public schema with sample data, and run SQL queries directly in the editor. You can open multiple query tabs, monitor snapshots, and pause or delete the cluster to manage costs effectively.

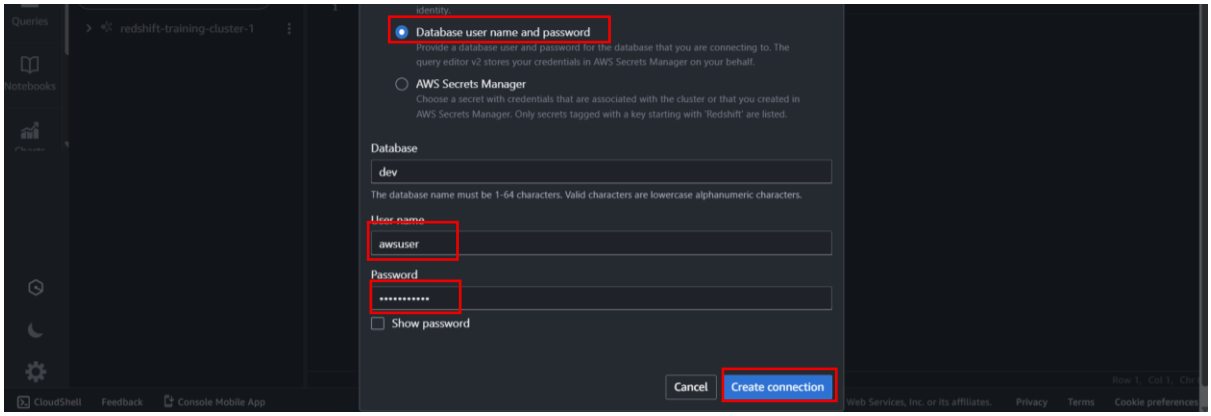
- After creating the cluster, use the left-side navigation panel in the Redshift console
- Here you can access Snapshots, Clusters, and the Query Editor v2.
- The “Provisioned Cluster Dashboard” provides an overview of all available clusters.
- You can view all clusters, their node types, and statuses.



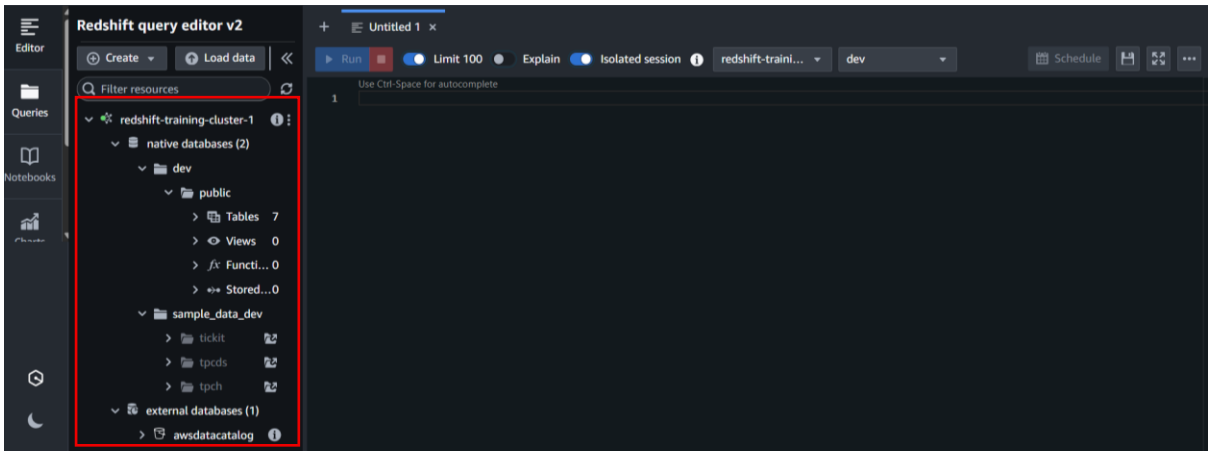
- Click on Query data



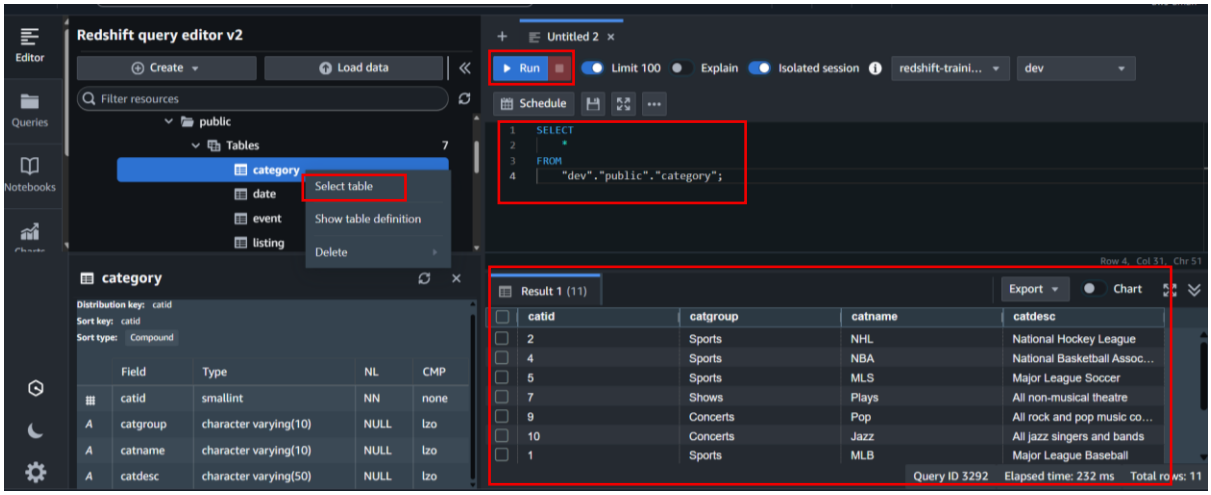
- This opens Query Editor v2 where you can connect directly to your cluster.
- You will see the cluster you set up under the connection list.
- To connect, use the “Database user name and password” option.
- Enter the username (default: awsuser) and the password you created earlier.
- Click “Create connection” to connect to the cluster.



- Exploring the Database
  After connecting, you can see the database and schemas in the left panel.
- By default, you will see the “public” schema with sample data loaded earlier.
- Expand the schema to view available tables (sample tables preloaded by Redshift).
- You can right-click a table to:
- View the table definition
- Run a SELECT query to preview its data



- The query editor allows writing and executing SQL queries directly.
- Example query format:
- SELECT * FROM public.table_name;
- You can run a query using the “Run” button or Ctrl + Enter.
- Results appear in the results pane below the editor.
- You can open multiple query tabs to work with different datasets simultaneously.
- You can also switch between clusters or databases if multiple is available.


Redshift query editor v2
Editor
Queries
Notebooks
Create
Load data
Filter resources
public
Tables 7
category
date
event
listing
Select table
Show table definition
Delete
Untitled 2
Run
Limit 100
Explain
Isolated session
redshift-traini...
dev
Schedule
SELECT
*
FROM
"dev"."public"."category";
Row 4, Col 31, Chr 51
category
Distribution key: catid
Sort key: catid
Sort type: Compound
Field Type NL CMP
catid smallint NN none
catgroup character varying(10) NULL lzo
catname character varying(10) NULL lzo
catdesc character varying(50) NULL lzo
Result 1 (11)
Export
Chart
catid catgroup catname catdesc
2 Sports NHL National Hockey League
4 Sports NBA National Basketball Assoc...
5 Sports MLS Major League Soccer
7 Shows Plays All non-musical theatre
9 Concerts Pop All rock and pop music co...
10 Concerts Jazz All jazz singers and bands
1 Sports MLB Major League Baseball
Query ID 3292
Elapsed time: 232 ms
Total rows: 11