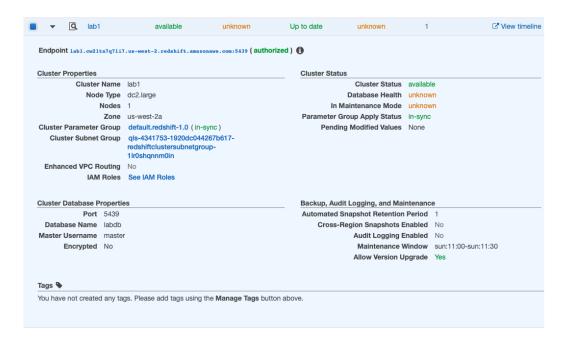
QwikLab: Intro to Amazon Redshift

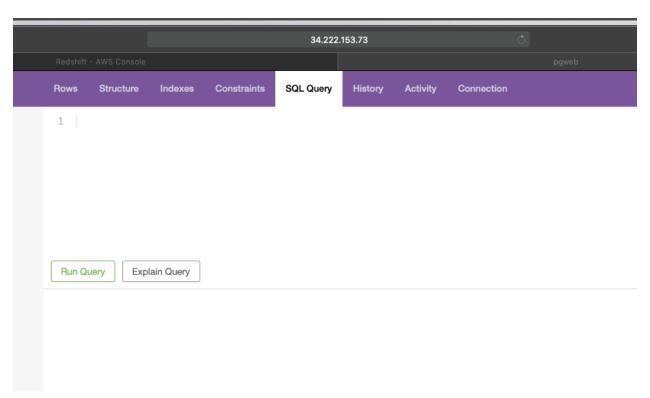
Task 1: Launch an Amazon Redshift Cluster

Create Redshift Cluster

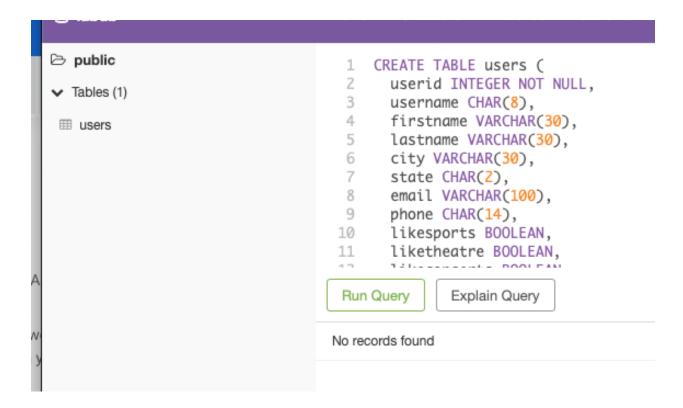


Task 2: Launch Pgweb to Communicate with your Redshift Cluster

Amazon Redshift can be used via industry-standard SQL Open pgweb then connect to labdb



Task 3: Create a Table

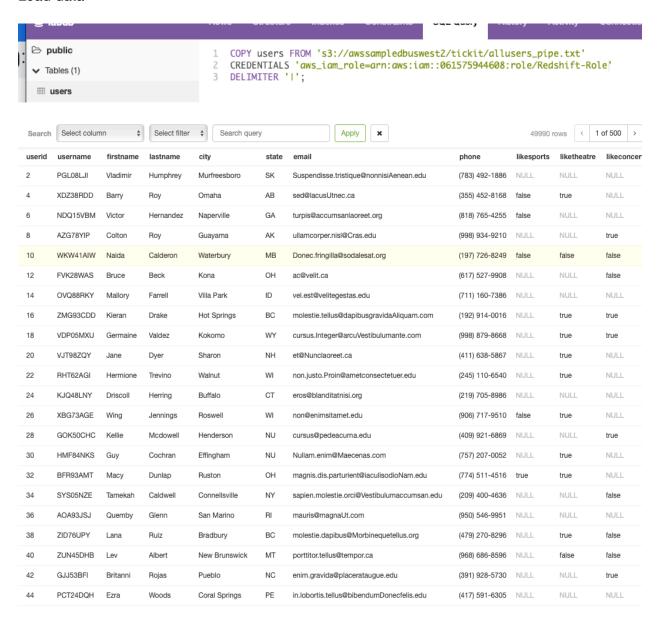


User structure

| abdb | Rows Structure | Indexes Constraints | SQL Query | History Activity Connection | | ■ Connect Disconnect |
|------------|----------------|---------------------|-------------|-----------------------------|-----------------------|----------------------|
| → public | column_name | data_type | is_nullable | character_maximum_length | character_set_catalog | column_default |
| Tables (1) | likemusicals | boolean | YES | NULL | NULL | NULL |
| ⊞ users | likebroadway | boolean | YES | NULL | NULL | NULL |
| | likevegas | boolean | YES | NULL | NULL | NULL |
| | likerock | boolean | YES | NULL | NULL | NULL |
| | likeopera | boolean | YES | NULL | NULL | NULL |
| | likeclassical | boolean | YES | NULL | NULL | NULL |
| | likejazz | boolean | YES | NULL | NULL | NULL |
| | likeconcerts | boolean | YES | NULL | NULL | NULL |
| | liketheatre | boolean | YES | NULL | NULL | NULL |
| | likesports | boolean | YES | NULL | NULL | NULL |
| | userid | integer | NO | NULL | NULL | NULL |
| | phone | character | YES | 14 | NULL | NULL |
| | state | character | YES | 2 | NULL | NULL |
| | username | character | YES | 8 | NULL | NULL |
| | email | character varying | YES | 100 | NULL | NULL |
| | city | character varying | YES | 30 | NULL | NULL |
| | lastname | character varying | YES | 30 | NULL | NULL |
| | firstname | character varying | YES | 30 | NULL | NULL |
| | | | | | | |

Task 4: Load Sample Data from Amazon S3

Load data

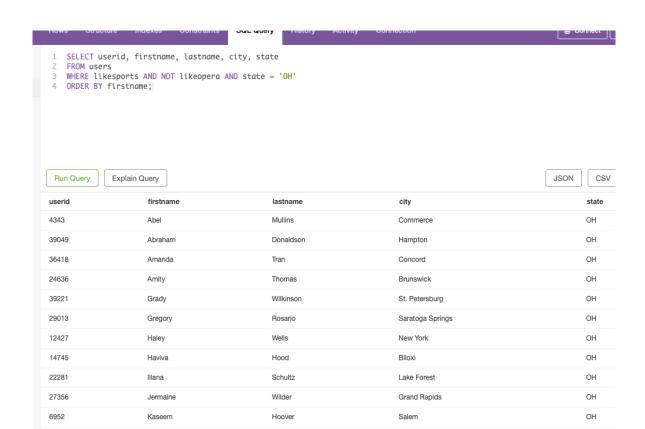


Task 5: Query Data

SELECT COUNT(*) FROM users;



SELECT userid, firstname, lastname, city, state FROM users WHERE likesports AND NOT likeopera AND state = 'OH'



ORDER BY firstname; SELECT city, COUNT(*) AS count FROM users WHERE likejazz GROUP BY city ORDER BY count DESC LIMIT 10;

| 1 | SELECT |
|---|---------------------|
| 2 | city, |
| 3 | COUNT(*) AS count |
| 4 | FROM users |
| 5 | WHERE likejazz |
| 6 | GROUP BY city |
| 7 | ORDER BY count DESC |
| 8 | LIMIT 10; |

Run Query Explain Query

| city | count |
|-------------|-------|
| Dover | 33 |
| Charleston | 30 |
| Hartford | 28 |
| Concord | 27 |
| Springfield | 26 |
| Richmond | 24 |
| Jackson | 23 |
| Aliquippa | 23 |
| Columbus | 23 |
| Orangeburg | 23 |