

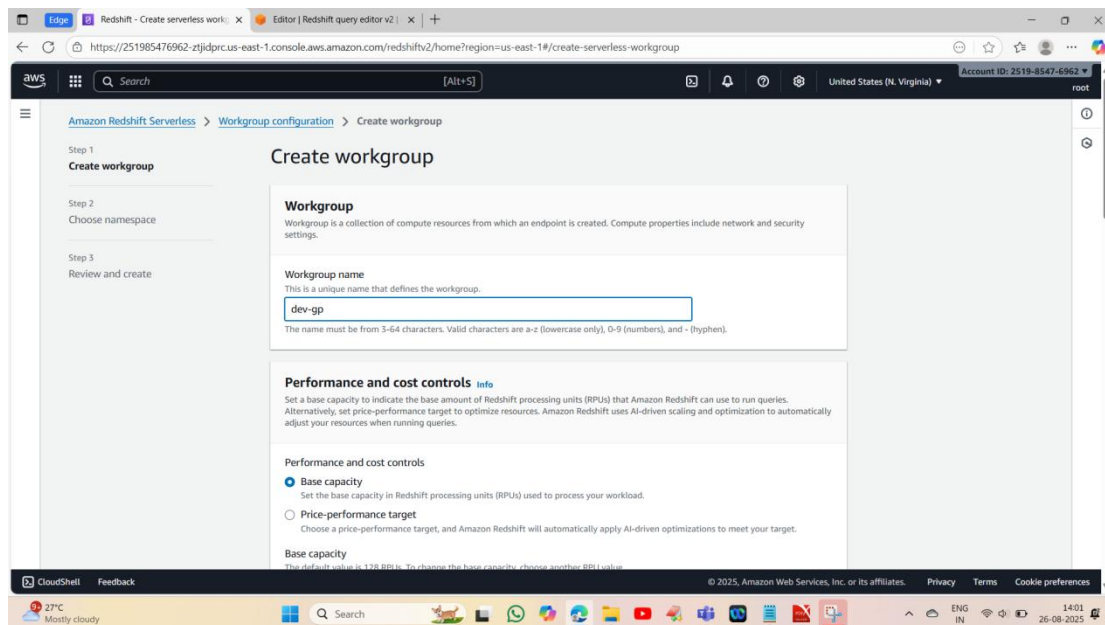
Problem Statement:

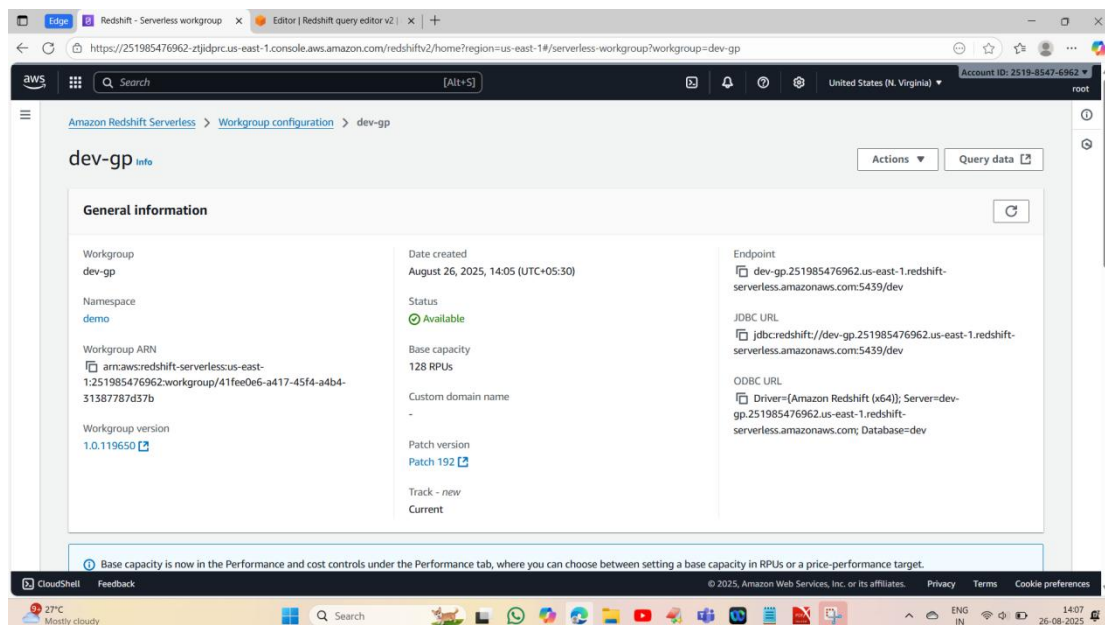
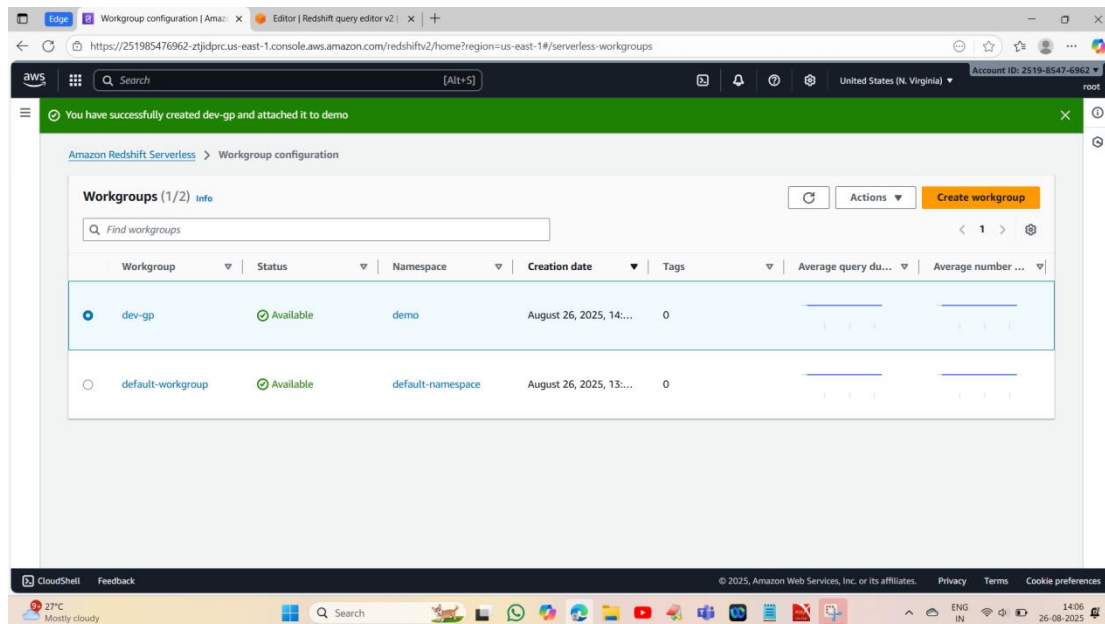
You work for XYZ Corporation. Their application requires a database service that can store data which can be retrieved if required. Implement suitable service for the same.

While migrating, you are asked to perform the following tasks:

1. Create a Redshift data warehouse.
2. Using the query editor:
 - a. Load some data
 - b. Query the data

1. Create a Redshift data warehouse.





2. Using the query editor:
 - a. Load some data
 - b. Query the data

Redshift query editor v2 interface showing a query execution result. The query is an INSERT statement into the 'employees' table.

```
1 INSERT INTO employees VALUES
2 (1, 'Alice', 'Engineering', 80000),
3 (2, 'Bob', 'HR', 60000),
4 (3, 'Charlie', 'Finance', 75000),
5 (4, 'Diana', 'Engineering', 82000);
6
```

Summary:

- Affected rows: 4
- Query ID: 5304
- Elapsed time: 3.3s
- Result set query:

```
/* REDSHIFT-2023-08-26 */
INSERT INTO employees VALUES
(1, 'Alice', 'Engineering', 80000),
(2, 'Bob', 'HR', 60000),
(3, 'Charlie', 'Finance', 75000),
(4, 'Diana', 'Engineering', 82000);
```

Table structure for 'employees':

Field	Type	NL	CMP
id	integer	NULL	az64
A name	character varying(100)	NULL	lzo
A department	character varying(50)	NULL	lzo
salary	integer	NULL	az64

Redshift query editor v2 interface showing a query execution result. The query is a SELECT statement from the 'employees' table.

```
1 SELECT * FROM "dev"."public"."employees";
```

Table structure for 'employees':

Field	Type	NL	CMP
id	integer	NULL	az64
A name	character varying(100)	NULL	lzo
A department	character varying(50)	NULL	lzo
salary	integer	NULL	az64

Redshift query editor v2

Filter resources

Serverless: default-workgroup

Serverless: dev-gp

native databases (2)

dev

public

Tables

employees

Field Type NL CMP

id	Integer	NULL	az64
A name	character varying(100)	NULL	lzo
A department	character varying(50)	NULL	lzo
salary	integer	NULL	az64

employees

Query ID 3374 Elapsed time: 3777 ms Total rows: 2

Result 1 (2)

name	salary
Alice	80000
Diana	82000

Query ID 3374 Elapsed time: 3777 ms Total rows: 2

Redshift query editor v2

Filter resources

Serverless: default-workgroup

Serverless: dev-gp

native databases (2)

dev

public

Tables

employees

Field Type NL CMP

id	Integer	NULL	az64
A name	character varying(100)	NULL	lzo
A department	character varying(50)	NULL	lzo
salary	integer	NULL	az64

employees

Query ID 3442 Elapsed time: 246 ms Total rows: 3

Result 1 (3)

department	avg_salary
Engineering	81000
HR	60000
Finance	75000

Query ID 3442 Elapsed time: 246 ms Total rows: 3