

## Aurora Assignment

### Problem Statement:

You work for XYZ Corporation. Their application requires a SQL service that can

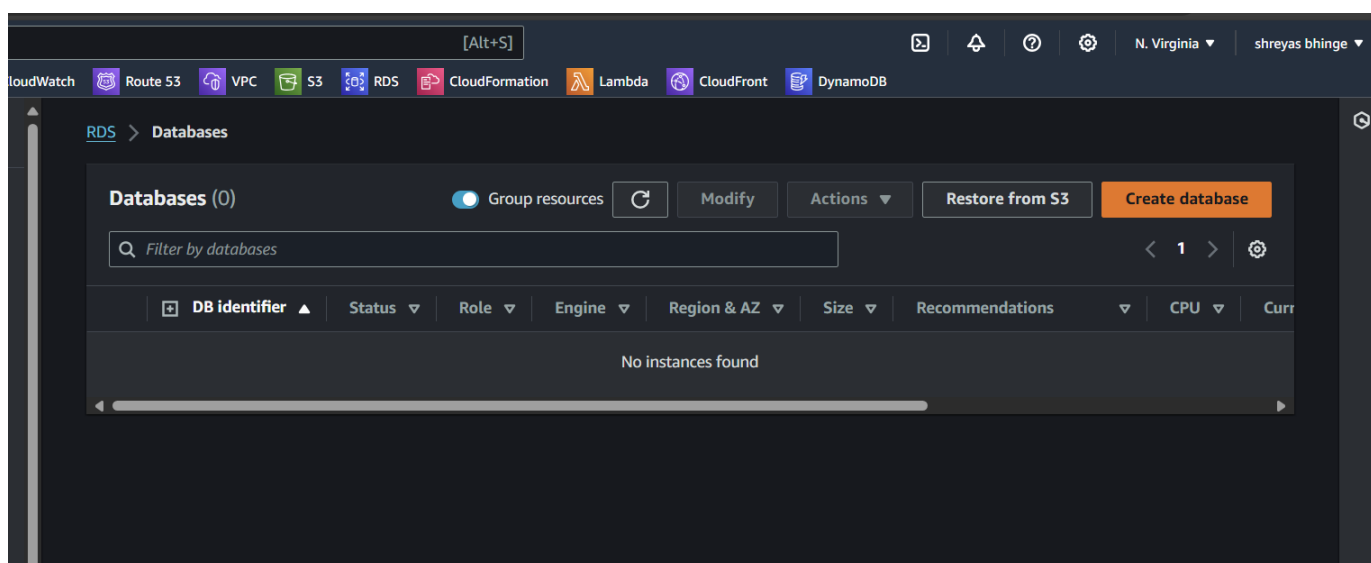
store data which can be retrieved if required. Implement a suitable RDS engine

for the same.

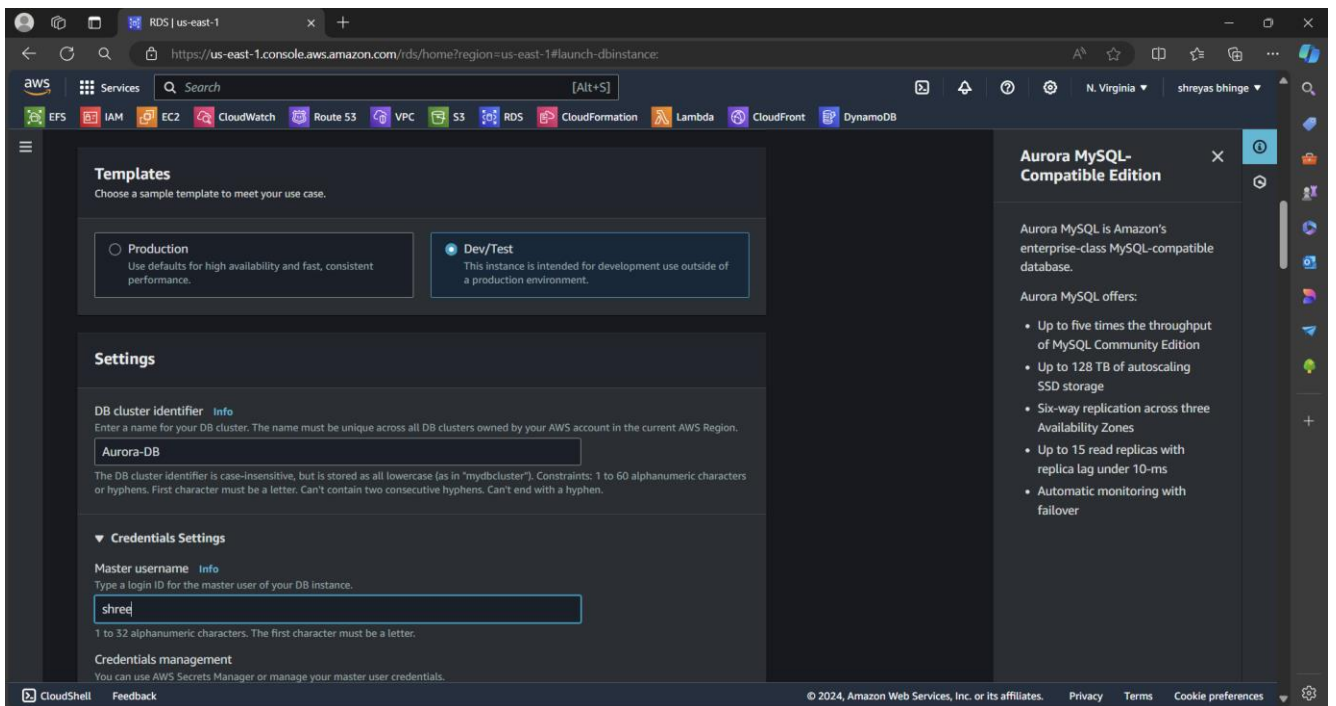
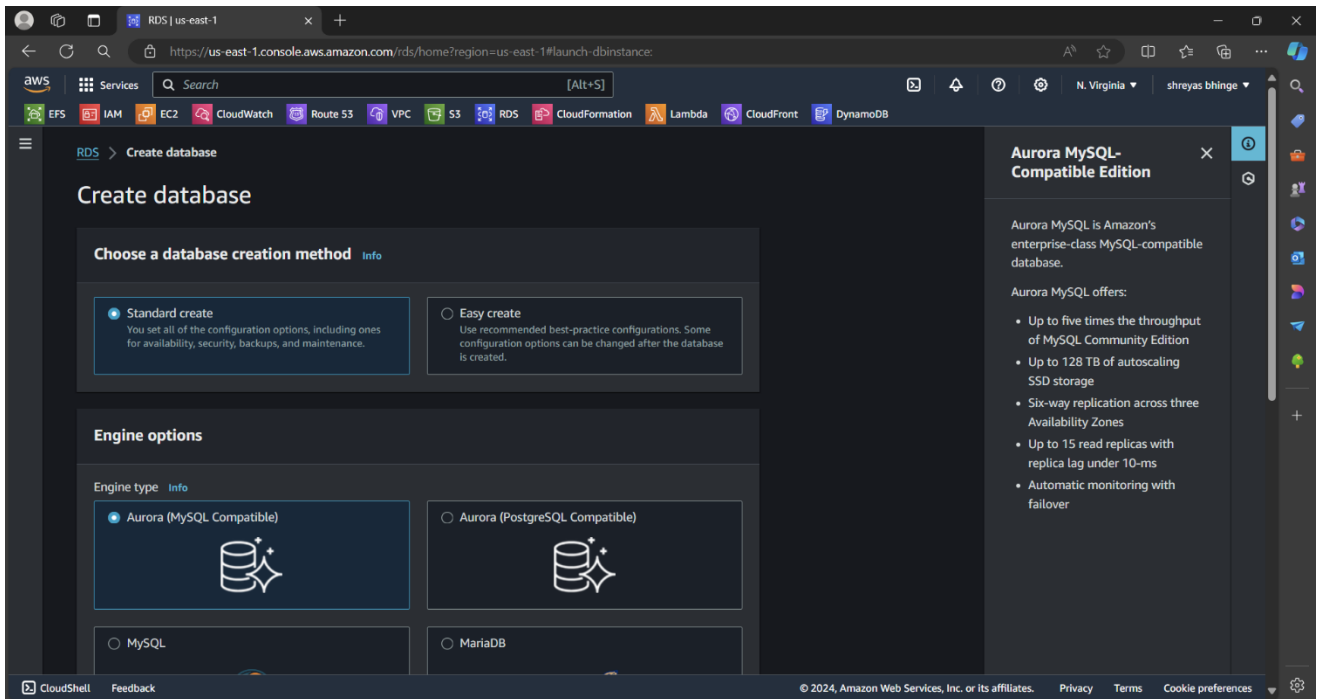
While migrating, you are asked to perform the following tasks:

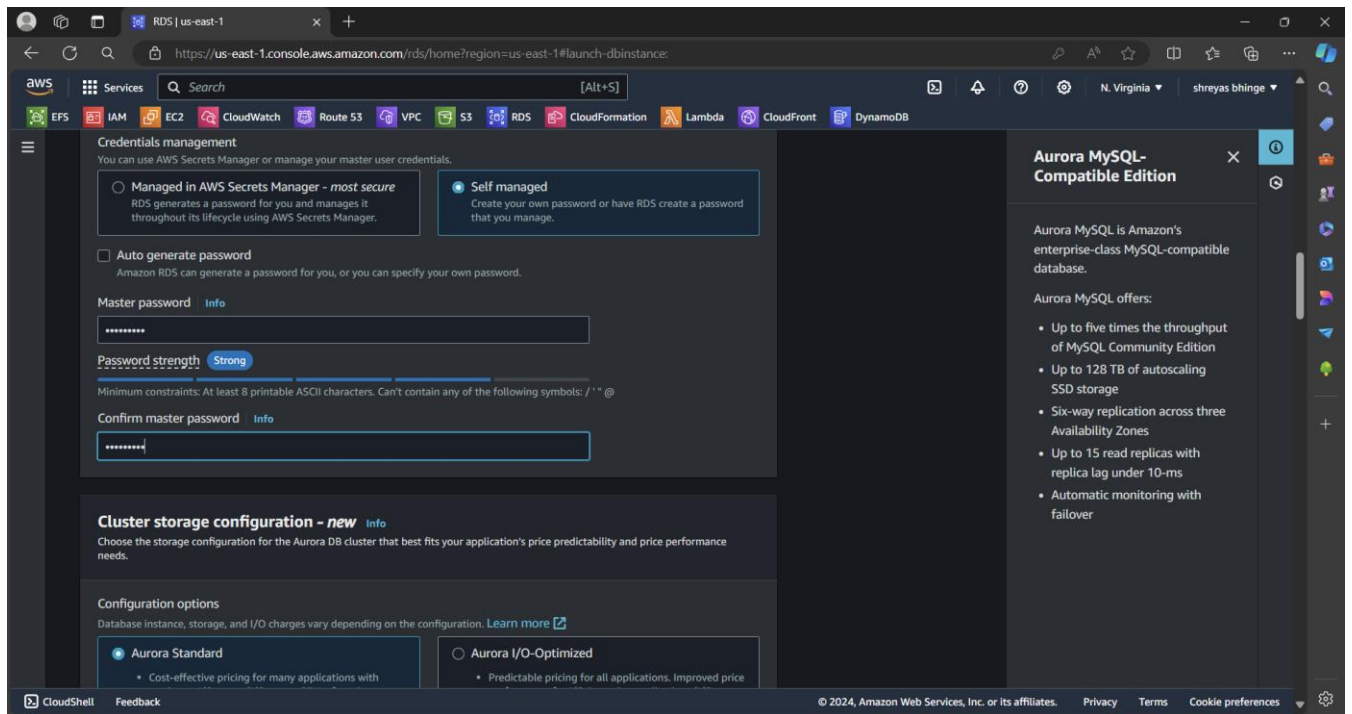
1. Create an Aurora DB Engine based RDS Database.
2. Create 2 Read Replicas in different availability zones for better infrastructure availability.

1. Create an Aurora DB Engine based RDS Database.

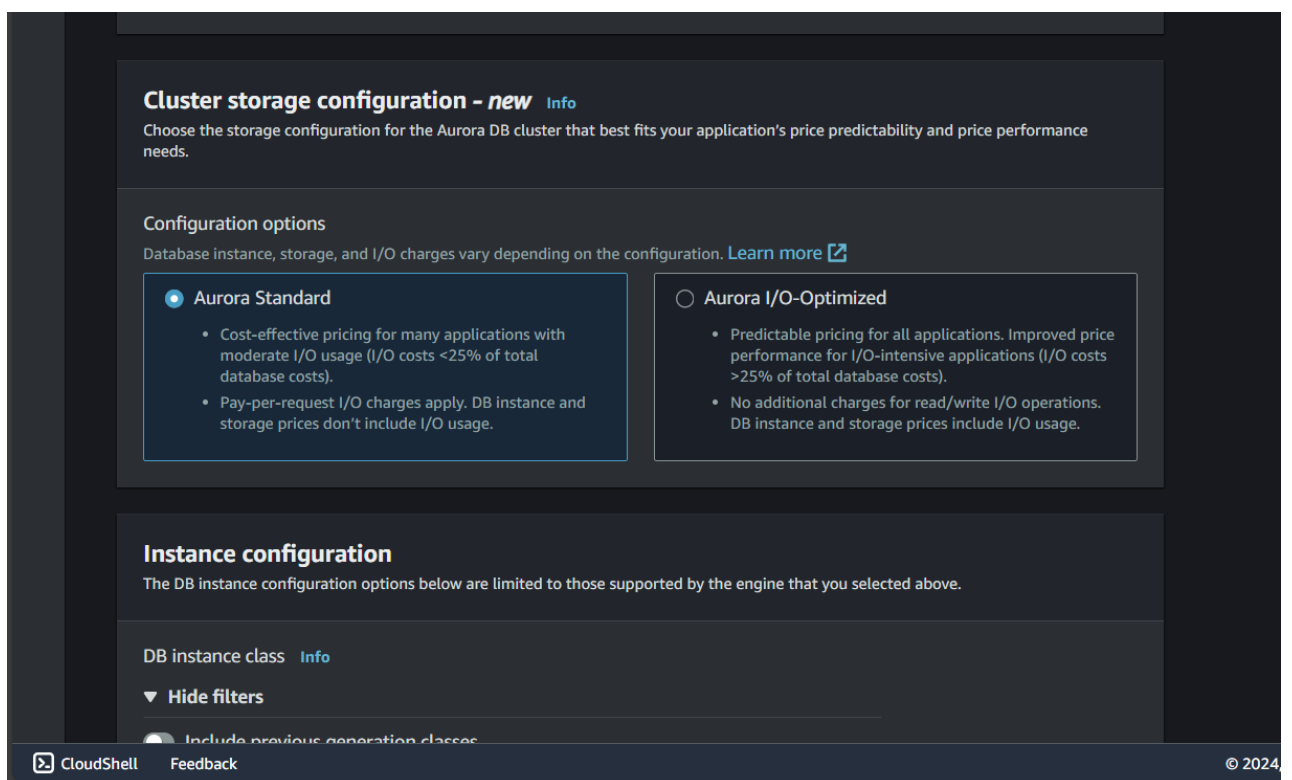


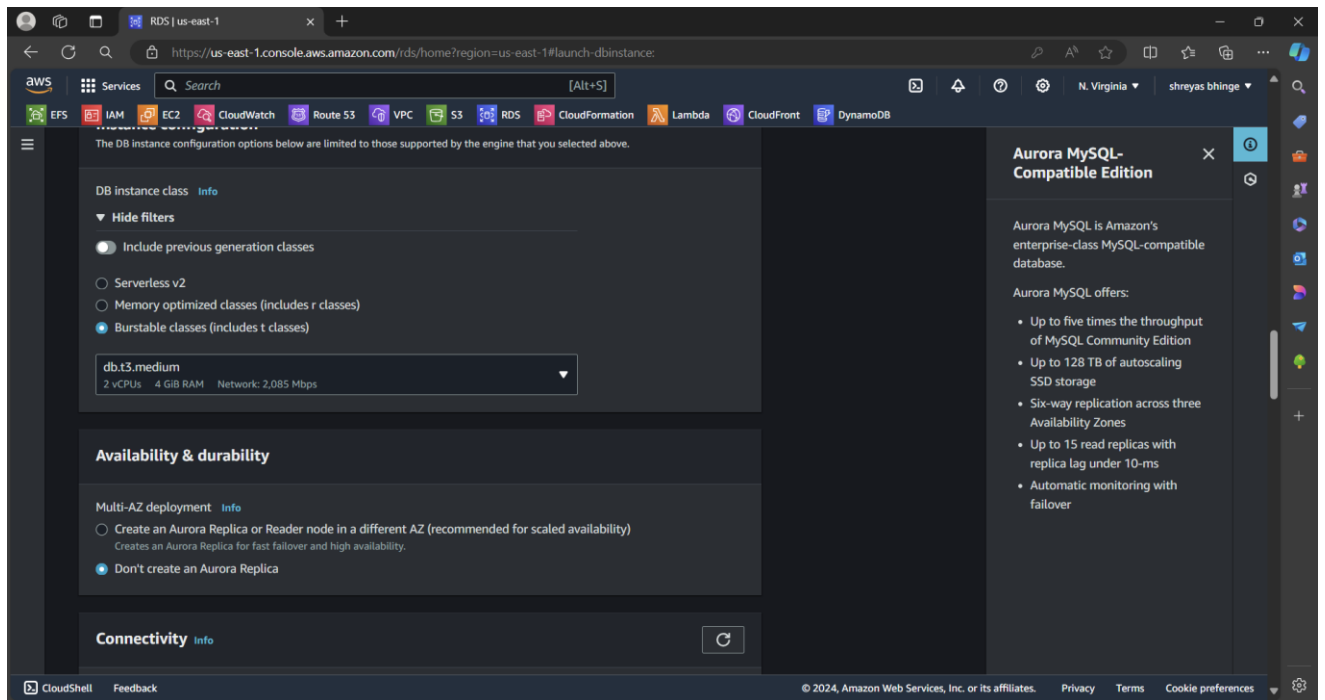
- Create a Standard Database
- Choose Aurora(MySQL Compatible)





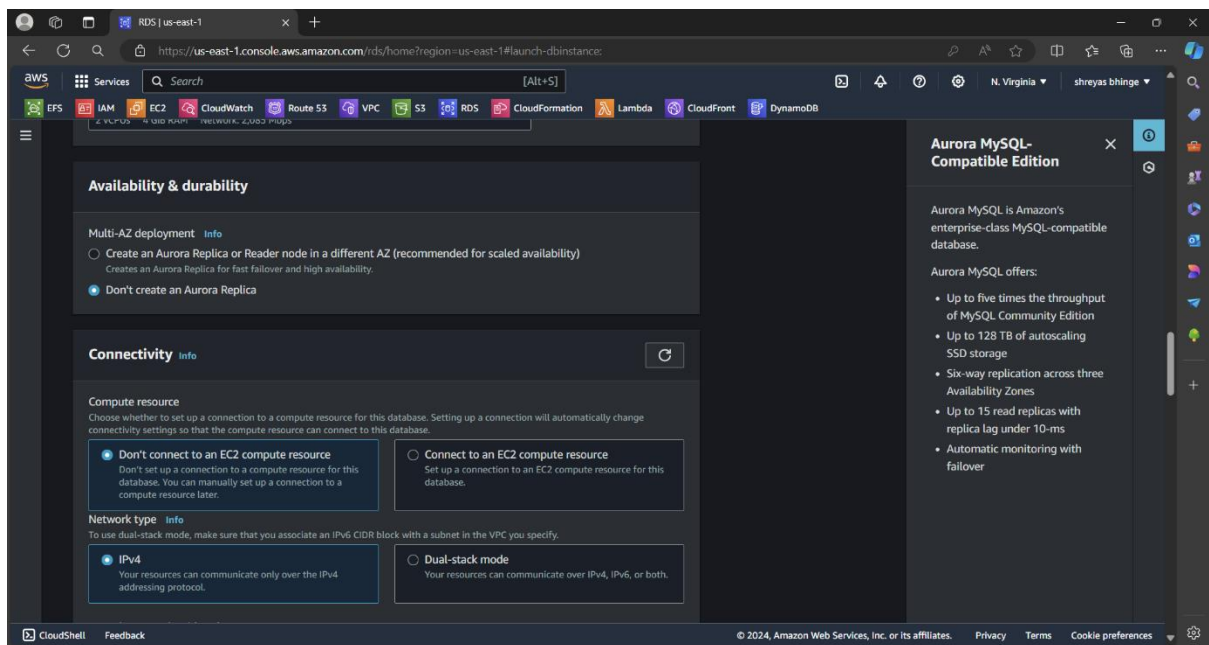
- Configuration Aurora Standard



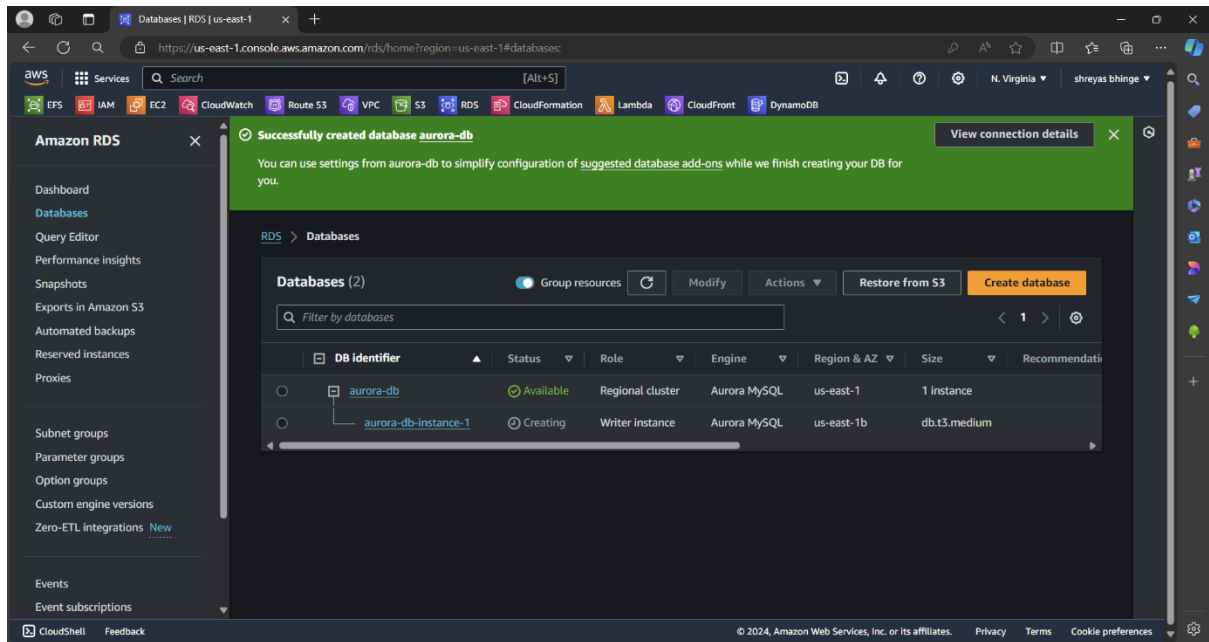


Don't create a Replica

Don't connect to EC2 Instance

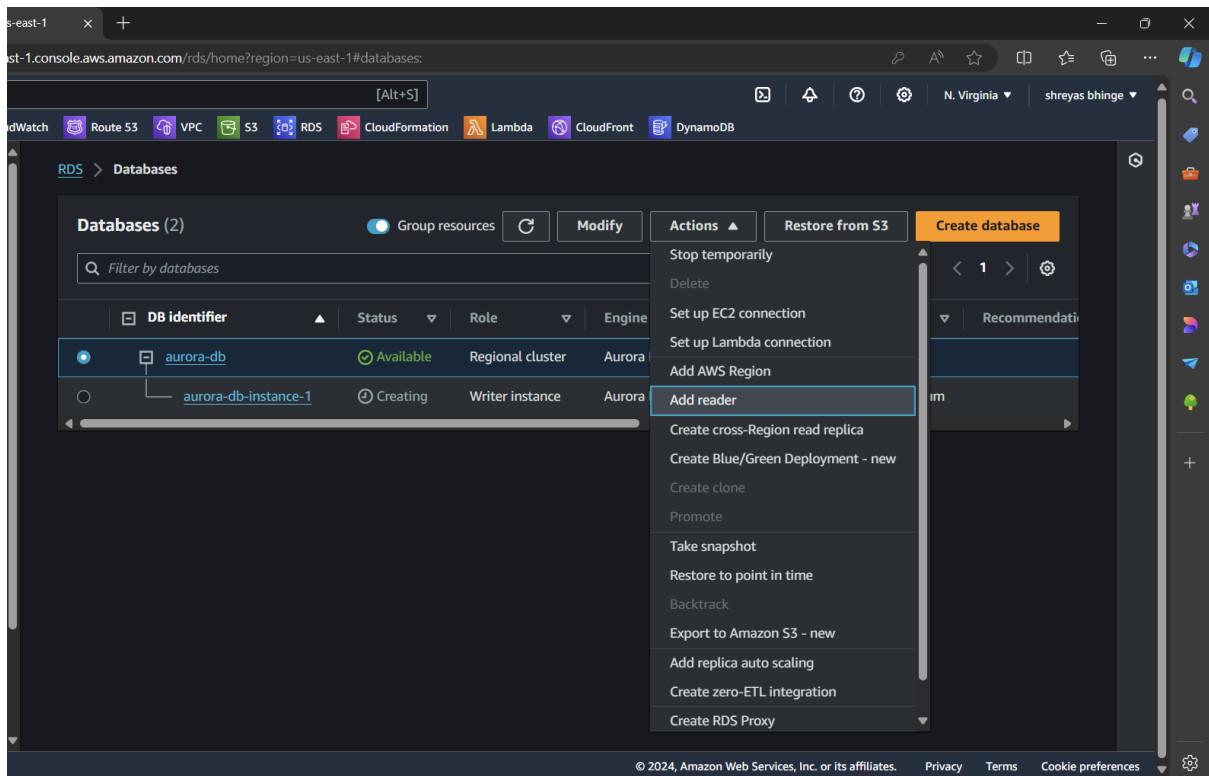


## Successfully Create database



## 2. Create 2 Read Replicas in different availability zones for better infrastructure availability.

After Creating go to **Action** and check on **Add Reader**



- Db instance identifier as Read Replica-1 and Read replica-2
- Select Different AZ for both the replica

The screenshot shows the 'Add reader' page in the AWS Management Console. The breadcrumb navigation is 'RDS > Databases > Add reader'. The page title is 'Add reader'. Below the title, a message states: 'You are creating a replica DB instance from a source DB instance. This new DB instance will have the source DB instance's security groups and DB parameter groups.'

The 'Settings' section contains two main fields:

- Aurora replica source:** A dropdown menu showing 'aurora-db-instance-1' with the role 'Writer instance Parent: aurora-db'.
- DB instance identifier:** A text input field containing 'Read-Replica-1'.

The screenshot shows the 'read-replica-2' instance details page. The breadcrumb navigation is 'RDS > Databases > aurora-db > read-replica-2'. The page title is 'read-replica-2'. There are buttons for 'Refresh', 'Modify', and 'Actions'.

The 'Related' section displays a table of database instances:

	DB identifier	Status	Role	Engine	Region & AZ	Size	Recommendation
○	aurora-db	Available	Regional cluster	Aurora MySQL	us-east-1	3 instances	
○	aurora-db-instance-1	Available	Writer instance	Aurora MySQL	us-east-1b	db.t3.medium	
●	read-replica-2	Creating	Reader instance	Aurora MySQL	us-east-1a	db.t3.medium	
○	read-replica-1	Creating	Reader instance	Aurora MySQL	us-east-1b	db.t3.medium	