Phase 3: Separate Components

Goal: Move the database to RDS, secure it, and make a new web server read secrets from Secrets Manager.

Task 1: Update VPC – Create Private Subnets
→Private Subnet 1(xyzvpc-subnet)

AZ: us-east-1a

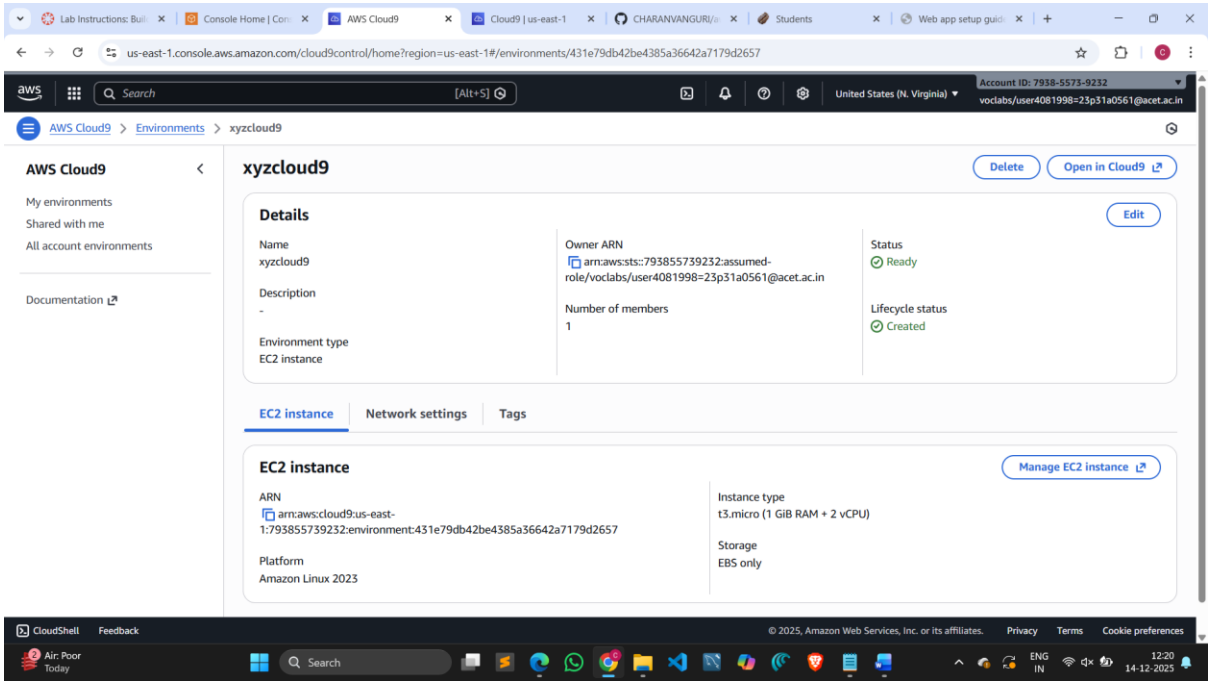
CIDR: 10.0.0.64/27

→Private Subnet 2(xyzvpc-subnet)

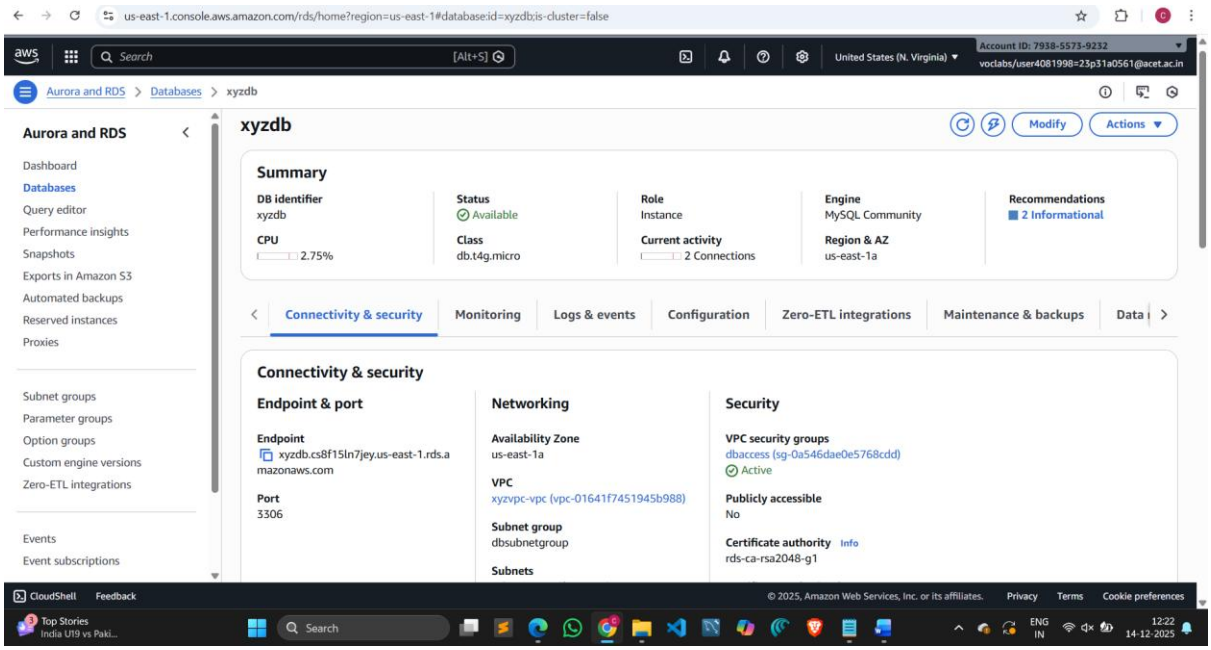
AZ: us-east-1b

CIDR: 10.0.0.64/27

Task 3: Create Cloud9 Environment(xyzcloud9)



Task 4: Create MySQL RDS

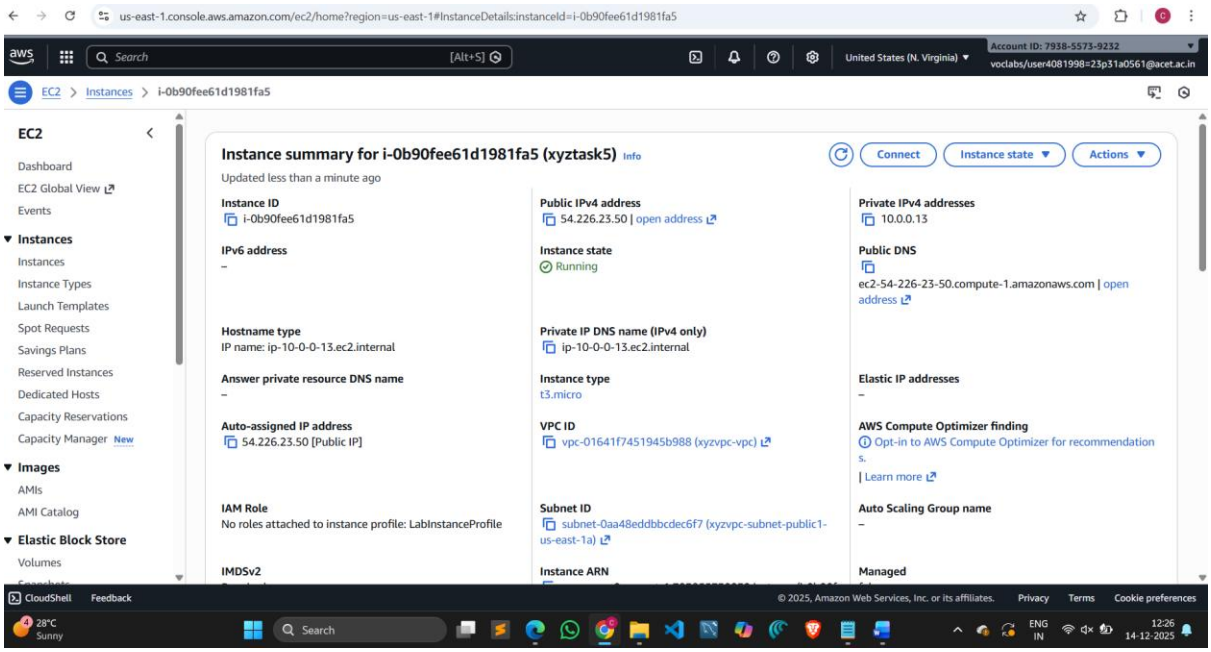


Task 5: Create Secret in Secrets Manager In Cloud9 terminal:

aws secretsmanager create-secret \ --name Mydbsecret \ --description "Database secret for web app" \ --secret-string "{\"user\":\"admin\",\"password\":\"--------\",\"host\":\"\",\"db\":\"STUDENTS\"}"

Task 6: Launch New Web Server

Name: xyztask5



Task 7: Database Migration

Run in Cloud9: mysqldump -h -u nodeapp -p --databases STUDENTS > data.sql

Task 8: Test Phase 3

http://54.226.23.50/