

AWS CloudSpace Academy Class promotion:

AWS Cloud & DevOps Engineer 2025

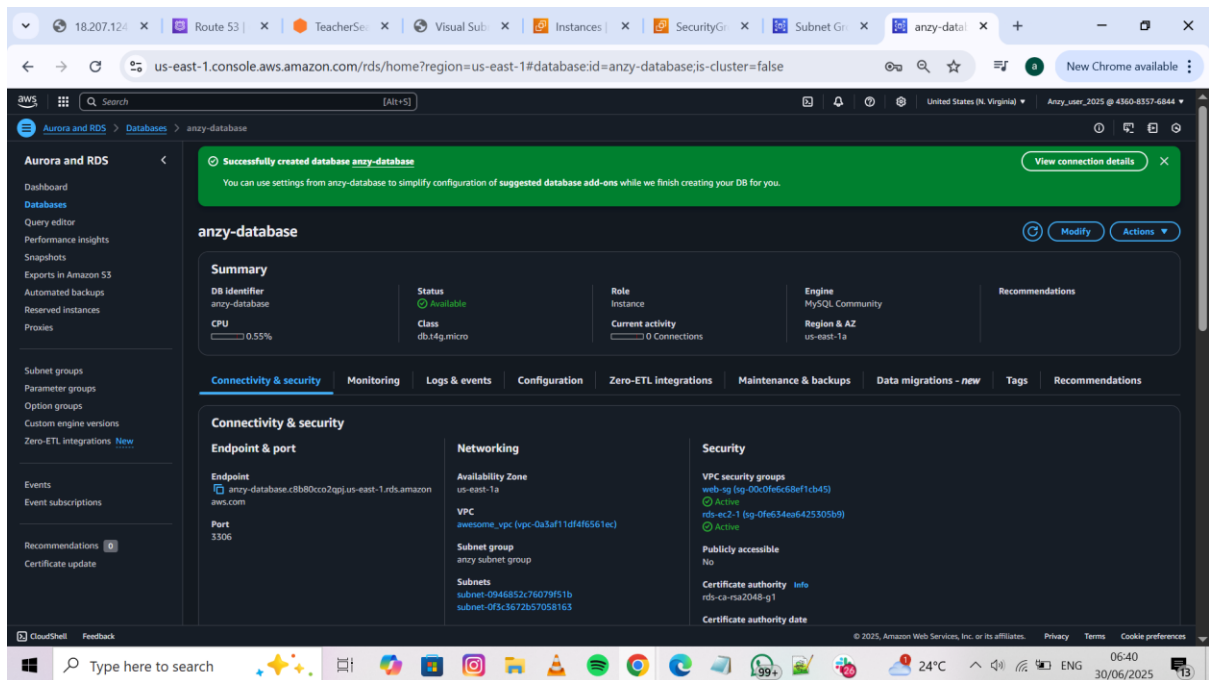
Student: Ebsiy Anslem Ndimongang

Course: Database homework

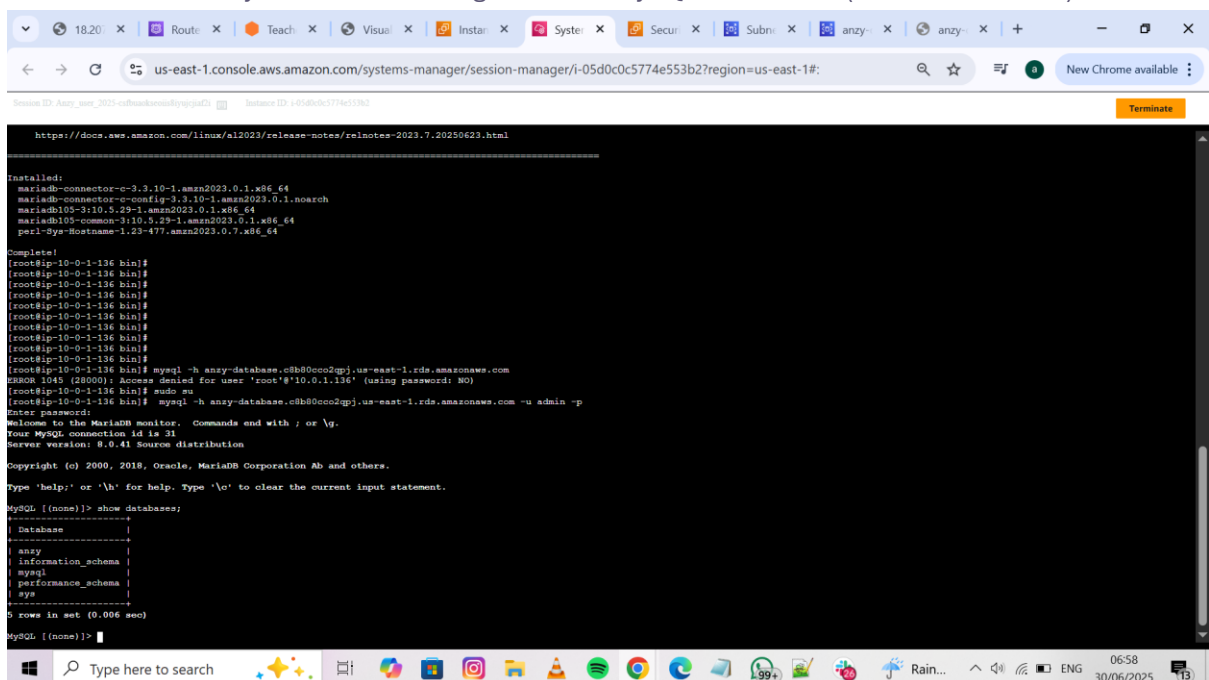
Teacher: Narcisse Tcheumoe

HomeWork :

- Create a MySQL RDS DB instance (using the free tier)



- Connect to your database using an EC2 or MySQL workbench (Share screenshot)



Create a table with data provided below.

The screenshot shows a terminal window in the AWS console with a MySQL prompt. A query is executed to select all records from a table named 'anzy_student_table' where the gender is 'Male' and the cluster is 'Tiger'. The results are displayed in a table format.

```
MySQL [anzy]> select * from anzy_student_table where gender='Male' and cluster='Tiger';
```

id	name	cluster	gender
37	Bliss	Tiger	Male
38	Fabrice	Tiger	Male

2 rows in set (0.001 sec)

Creating another database instance with the Dev/test

The screenshot shows the AWS Management Console for an RDS database instance named 'anzy3database-2'. The instance is in the 'Available' state. The console displays various tabs for managing the instance, including 'Connectivity & security', 'Monitoring', 'Logs & events', 'Configuration', 'Zero-ETL integrations', 'Maintenance & backups', 'Data migrations - new', 'Tags', and 'Recommendations'. The 'Connectivity & security' tab is selected, showing details about the endpoint, port, availability zone, VPC, subnet group, and security groups.

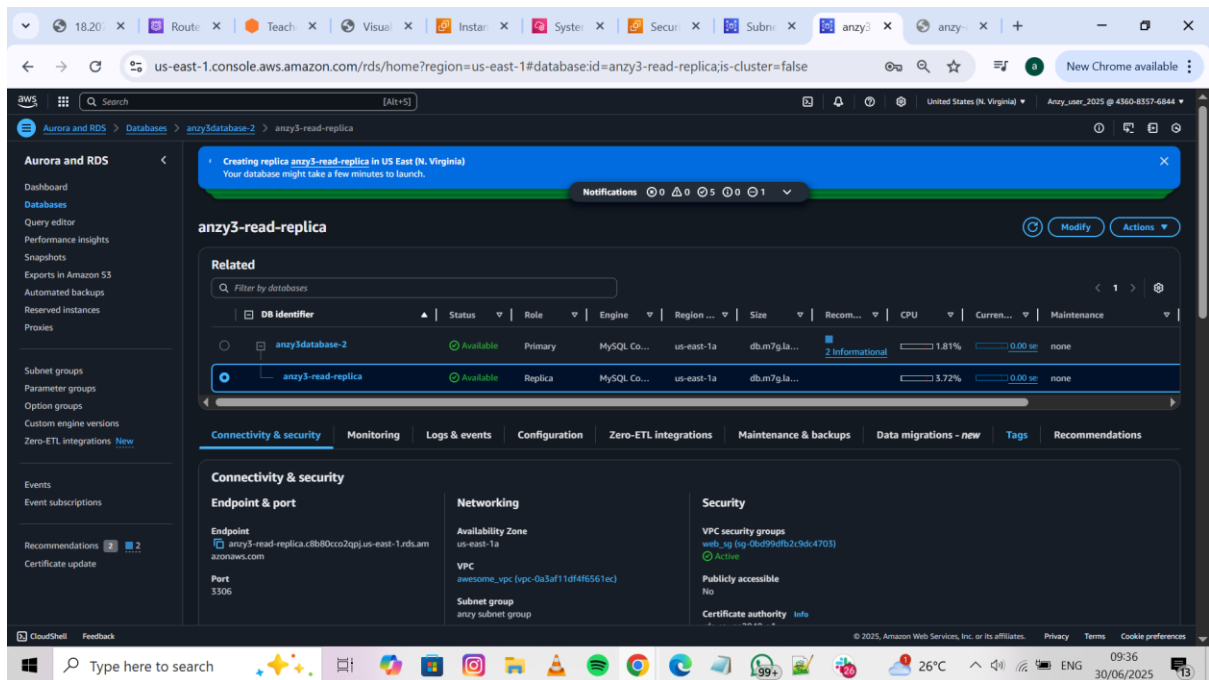
Summary

- DB Identifier: anzy3database-2
- Status: Available
- Class: db.m7g.large
- Engine: MySQL Community
- Region & AZ: us-east-1a

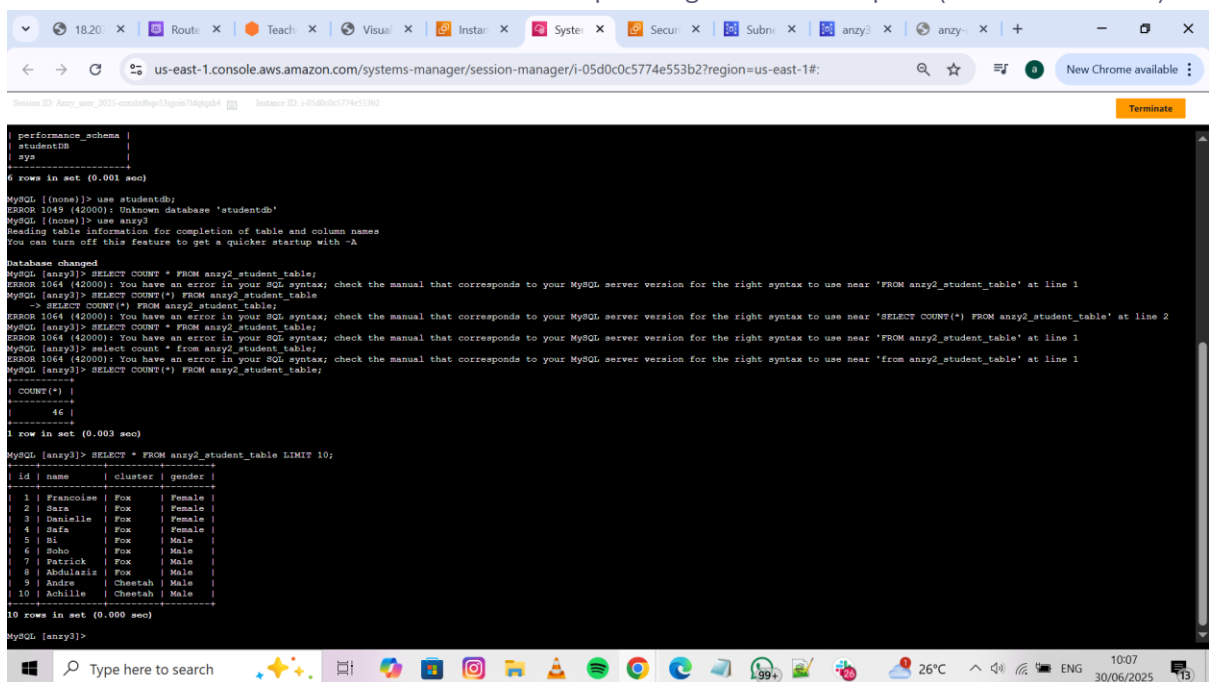
Connectivity & security

- Endpoint: anzy3database-2.c8b80cco2gpi.us-east-1.rds.amazonaws.com
- Port: 3306
- Availability Zone: us-east-1a
- VPC: awesome_vpc (vpc-0a3af11df4f6561ec)
- Subnet group: anzy_subnet_group
- Subnets: subnet-0946852c76079f51b, subnet-0f3c3672b57058163
- VPC security groups: rds-ec2-3 (sg-038489fffd7701e3e), web_sg (sg-0bd99dfb2c9dc4703)
- Publicly accessible: No
- Certificate authority: rds-ca-rsa2048-g1
- Certificate authority date: May 26, 2061, 00:34 (UTC+01:00)

Create a read replica of your RDS DB instance



- Create a table (using the SQL commands we used during the class. See script below) in your main DB instance and confirm that it's replicating in the Read-replica (Share screenshot)



*****THE BELOW SCRIPT WAS USED DURING CLASS*****

EC2 > sudo dnf update -y

sudo dnf install mariadb105

mysql -h database-1.cgjrkgx47sar.us-east-1.rds.amazonaws.com -u admin -p

show databases;

```
use <enter_database_name>;
```

```
show tables;
```

```
CREATE TABLE student_table(
```

```
    id int NOT NULL AUTO_INCREMENT,
```

```
    name varchar(45) NOT NULL,
```

```
    cluster varchar(35) NOT NULL,
```

```
    gender varchar(45) NOT NULL,
```

```
    PRIMARY KEY (id)
```

```
);
```

```
insert into student_table(id,name,cluster,gender) VALUES (1,'Francoise','Fox','Female'),
(2,'Sara','Fox','Female'), (3,'Danielle','Fox','Female'), (4,'Safa','Fox','Female'), (5,'Bi','Fox','Male'),
(6,'Soho','Fox','Male'), (7,'Patrick','Fox','Male'), (8,'Abdulaziz','Fox','Male'),
(9,'Andre','Cheetah','Male'), (10,'Achille','Cheetah','Male'), (46,'Moise','Cheetah','Male'),
(11,'Kady','Cheetah','Female'), (12,'Kady','Cheetah','Female'), (13,'Abdoulaye','Jaguar','Male'),
(14,'Odilon','Jaguar','Male'), (15,'Narcisse','Jaguar','Male'), (16,'Emma','Jaguar','Male'),
(17,'Nasser','Jaguar','Male'), (18,'Martial','Jaguar','Male'), (19,'Epee','Jaguar','Male'),
(20,'Alain','Leopard','Male'), (21,'Guy','Leopard','Male'), (22,'Daniel','Leopard','Male'),
(23,'Soke','Leopard','Male'), (24,'Oumou','Leopard','Female'), (25,'Franck','Lion','Male'),
(26,'Marwan','Lion','Male'), (27,'Rayyan','Lion','Male'), (28,'Armand','Lion','Male'),
(29,'Sylvanus','Lion','Male'), (30,'King','Panther','Male'), (31,'Nelie','Panther','Female'),
(32,'Vanessa','Panther','Female'), (33,'Akim','Puma','Male'), (34,'Vanel','Puma','Male'),
(35,'Eric','Puma','Male'), (36,'Gaitan','Puma','Male'), (37,'Bilal','Tiger','Male'),
(38,'Fabrice','Tiger','Male'), (39,'Taibou','Tiger','Female'), (40,'Bouba','Wolf','Male'),
(41,'Anicet','Wolf','Male'), (42,'Fredy','Wolf','Male'), (43,'Yonis','Wolf','Male'),
(44,'Rosaria','Wolf','Female'), (45,'Estelle','Wolf','Female');
```