

Examen número1 - Módulo2, David Tobón

26/02/2026

Evidencia #1: Resumen instancia EC2

The screenshot shows the AWS EC2 Instances page. The instance summary for 'i-048d2e914e5126d4b' is displayed. Key details include:

- Instance ID:** i-048d2e914e5126d4b
- Public IPv4 address:** 100.53.217.94
- Private IP4 addresses:** 172.31.13.69
- Instance state:** Running
- Public DNS:** ec2-100-53-217-94.compute-1.amazonaws.com
- Hostname type:** IP name: ip-172-31-13-69.ec2.internal
- Answer private resource DNS name:** IPv4 (A)
- Auto-assigned IP address:** 100.53.217.94 [Public IP]
- Instance type:** t3.micro
- VPC ID:** vpc-00f479057476a2db8 (VPC-Producción)
- Elastic IP addresses:** -
- AWS Compute Optimizer finding:** User: arn:aws:siam::654654478122:user/students/david202416@gmail.com is not authorized to perform: compute-optimizer:GetEnrollmentStatus on resource: * because no identity-based policy allows the com

Evidencia #2: Configuración RDS y Security Group

The screenshot shows the Aurora and RDS configuration page for the database 'laboratorio-rds-daviddtobon'. Key sections include:

- Programming language:** MySQL (macOS)
- Endpoint type:** Instance endpoint
- Connection steps:** A snippet of MySQL command to connect to the database.
- Connected compute resources (0):** No connected compute resources.
- Security group rules (2):**

Security group	Type	Rule
SG-DavidTobon-examen-RDS (sg-04b7e2430d57a977e)	EC2 Security Group - Inbound	sg-0b5b8baa459ca9e51
SG-DavidTobon-examen-RDS (sg-04b7e2430d57a977e)	CIDR/IP - Outbound	0.0.0.0/0
- Replication (1):** One replication entry.

Evidencia #3: Conexión exitosa a la RDS desde la EC2

```
ec2-user@ip-172-31-13-69:~ X + ▾

Installing      : perl-Sys-Hostname-1.23-477.amzn2023.0.7.x86_64          4/5
Installing      : mariadb105-3:10.5.29-1.amzn2023.0.1.x86_64          5/5
Running scriptlet: mariadb105-3:10.5.29-1.amzn2023.0.1.x86_64          5/5
Verifying       : mariadb-connector-c-3.3.10-1.amzn2023.0.1.x86_64          1/5
Verifying       : mariadb-connector-c-config-3.3.10-1.amzn2023.0.1.noarch    2/5
Verifying       : mariadb105-3:10.5.29-1.amzn2023.0.1.x86_64          3/5
Verifying       : mariadb105-common-3:10.5.29-1.amzn2023.0.1.x86_64          4/5
Verifying       : perl-Sys-Hostname-1.23-477.amzn2023.0.7.x86_64          5/5

Installed:
mariadb-connector-c-3.3.10-1.amzn2023.0.1.x86_64      mariadb-connector-c-config-3.3.10-1.amzn2023.0.1.noarch
mariadb105-3:10.5.29-1.amzn2023.0.1.x86_64          mariadb105-common-3:10.5.29-1.amzn2023.0.1.x86_64
perl-Sys-Hostname-1.23-477.amzn2023.0.7.x86_64

Complete!
[ec2-user@ip-172-31-13-69 ~]$ mysql -h laboratorio-rds-davidtobon.czckyeamig9k.us-east-1.rds.amazonaws.com \ -u
admin \ -p
ERROR 1045 (28000): Access denied for user 'ec2-user'@'172.31.13.69' (using password: NO)
-bash: admin: command not found
[ec2-user@ip-172-31-13-69 ~]$ mysql -h laboratorio-rds-davidtobon.czckyeamig9k.us-east-1.rds.amazonaws.com -u admin -p
Enter password: ←
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MySQL connection id is 30
Server version: 8.4.7 Source distribution

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MySQL [(none)]> |
```

Evidencia #4: Base de datos creada

```
ec2-user@ip-172-31-13-69:~ X + ▾

admin \ -p
ERROR 1045 (28000): Access denied for user 'ec2-user'@'172.31.13.69' (using password: NO)
-bash: admin: command not found
[ec2-user@ip-172-31-13-69 ~]$ mysql -h laboratorio-rds-davidtobon.czckyeamig9k.us-east-1.rds.amazonaws.com -u admin -p
Enter password: ←
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MySQL connection id is 30
Server version: 8.4.7 Source distribution

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MySQL [(none)]> CREATE DATABASE laboratoriodavidtobon;
Query OK, 1 row affected (0.027 sec)

MySQL [(none)]> SHOW DATABASES;
+-----+
| Database      |
+-----+
| LaboratorioDavidTobon |
| information_schema |
| laboratoriodavidtobon |
| mysql          |
| performance_schema |
| sys            |
+-----+
6 rows in set (0.013 sec)

MySQL [(none)]> |
```