

**CreateSecurityGroup | EC2 | us-east-1** **SecurityGroup | EC2 | us-east-1** **Examen 2-Workshop (examen)** **(100) WhatsApp**

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#CreateSecurityGroup:

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aws Search [Alt+5] Ask Amazon Q Account ID: 6546-5447-8122 juliprobayo21@gmail.com

EC2 > Security Groups > Create security group

### Basic details

**Security group name** [Info](#) sg-rds-examen  
Name cannot be edited after creation.

**Description** [Info](#) SG para RDS

**VPC** [Info](#) vpc-00f479057476a2db8 {VPC-Producción}

### Inbound rules

Type	Protocol	Port range	Source	Description - optional
MySQL/Aurora	TCP	3306	Cust...	sg-01a00de8767a8 <a href="#">X</a> rds julian parra <a href="#">Delete</a>
				sg-01a00de8767a879b6 <a href="#">X</a>

Add rule

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**Launch an instance | EC2 | us-east-1** **SecurityGroup | EC2 | us-east-1** **Examen 2-Workshop (examen)** **(100) WhatsApp**

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LaunchInstances:

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EC2 > Instances > Launch an instance

### Launch an instance

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

**Name and tags** [Info](#)  
Name Ec2-Julianparra-examen Add additional tags

**Application and OS Images (Amazon Machine Image)** [Info](#)  
An AMI contains the operating system, application server, and applications for your instance. If you don't see a suitable AMI below, use the search field or choose [Browse more AMIs](#).

Search our full catalog including 1000s of application and OS images

Recents Quick Start

### Summary

Number of instances [Info](#) 1

Software Image (AMI)  
Amazon Linux 2023 AMI 2023.10... [read more](#) ami-03caa1cf4417e51b

Virtual server type (instance type)  
t3.micro

Firewall (security group)  
New security group

Storage (volumes)

Cancel [Launch Instance](#) [Preview code](#)

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The screenshot shows the 'Launch an instance' wizard in the AWS Management Console. The top navigation bar includes tabs for 'Launch an instance | EC2 | us-east-1', 'SecurityGroup | EC2 | us-east-1', 'Examen 2-Workshop (examen)', and '(100) WhatsApp'. The main content area is titled 'Launch an instance' under 'EC2 > Instances'. On the left, there are two expandable sections: 'Key pair (login)' (selected) and 'Network settings'. The 'Key pair (login)' section shows a dropdown menu with 'JulianParra' selected and a 'Create new key pair' button. The 'Network settings' section shows network and subnet configurations, with a 'Launch Instance' button highlighted at the bottom right.

The screenshot shows the 'Instance details' page for an EC2 instance named 'us-east-1'. The top navigation bar includes tabs for 'Instance details | EC2 | us-east-1', 'SecurityGroup | EC2 | us-east-1', 'Examen 2-Workshop (examen)', and 'WhatsApp'. The main content area displays the instance's configuration, including its operating system ('Microsoft Windows [Versión 10.0.19045.6466]'), security group ('SecurityGroup | EC2 | us-east-1'), and network interfaces. A terminal window on the left shows the user running an SSH session to the instance, attempting to connect to a specific host. The terminal output includes error messages related to file permissions and host keys. The right side of the screen shows detailed information about the instance, such as its IP address ('51.1.126'), instance type ('t3.micro'), and VPC ID ('vpc-00f479057476a2db8').

The screenshot shows a Windows taskbar with several open browser tabs:

- Instance details | EC2 | us-east-1
- SecurityGroup | EC2 | us-east-1
- Examen 2- Workshop (examen) x
- WhatsApp x

Below the taskbar, the AWS CloudWatch interface is visible, displaying log entries from an EC2 instance. The logs show attempts to connect via SSH using a specific private key (JulianParra.pem) and the resulting errors:

```
Warning: Identity file JulianParra.pem not accessible: No such file or directory.
The authenticity of host '44.200.55.96 (44.200.55.96)' can't be established.
ED25519 key fingerprint is SHA256:muRqWjkdtKNEReMuwu/Rzej/CInNgYigcF9QCBb+1M.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '44.200.55.96' (ED25519) to the list of known hosts.
ec2-user@44.200.55.96: Permission denied (publickey,ssapi-keyex,ssapi-with-mic).

C:\Users\ALEJO>ssh -i JulianParra.pem ec2-user@44.200.55.96
Warning: Identity file JulianParra.pem not accessible: No such file or directory.
ec2-user@44.200.55.96: Permission denied (publickey,ssapi-keyex,ssapi-with-mic).

C:\Users\ALEJO>ssh -i JulianParra.pem ec2-user@44.200.55.96
Warning: Identity file JulianParra.pem not accessible: No such file or directory.
ec2-user@44.200.55.96: Permission denied (publickey,ssapi-keyex,ssapi-with-mic).

C:\Users\ALEJO>cd Downloads
Snap

C:\Users\ALEJO>Downloads>ssh -i JulianParra.pem ec2-user@44.200.55.96
Life
,      #
,      #####
,      #####
Amazon Linux 2023
Secur
,      #/|
,      https://aws.amazon.com/linux/amazon-linux-2023
Elasti
,      V-->
Place
Key Pa
,      /m/
[ec2-user@ip-172-31-1-126 ~]$
```

On the right side of the screen, there is a sidebar titled "Pv4 addresses" which lists the IP address 31.1.126 and the domain name 30-55-96.compute-1.amazonaws.com.

At the bottom of the screen, the AWS CloudShell interface is shown, displaying the following table:

Answer private resource DNS name IPv4 (A)	Instance type t2.micro	Elastic IP addresses
Auto-assigned IP address 44.200.55.96 [Public IP]	VPC ID vpc-00f479057476a2db8 (VPC-Producción)	AWS Compute Optimizer finding User: armawsiam:654654478122:user/students/juli

The screenshot shows a Microsoft Edge browser window with several tabs open:

- Instance details | EC2 | us-east-1
- SecurityGroup | EC2 | us-east-1
- Examen 2-Workshop (examen)
- WhatsApp

The main content area displays the AWS CloudShell terminal output for an Amazon Linux 2023 instance (IP: 172.31.1.126). The terminal shows the following steps:

- Upgrading the system with `sudo dnf upgrade`.
- Installing MariaDB 10.5 with `sudo dnf install mariadb105`.
- Verifying the installation with `ls /var/lib/mariadb/` and `ps aux | grep mariadb`.
- Configuring the MariaDB service with `sudo nano /etc/mariadb/mariadb.conf.d/50-server.cnf`.
- Starting the MariaDB service with `sudo systemctl start mariadb`.
- Setting up a root password with `mysql -e "ALTER USER 'root'@'localhost' IDENTIFIED BY 'password'; FLUSH PRIVILEGES;"`.
- Verifying the password change with `mysql -u root -p`.
- Creating a new user 'julpro' with `CREATE USER 'julpro'@'%' IDENTIFIED BY 'password';`.
- Granting all privileges to the 'julpro' user with `GRANT ALL PRIVILEGES ON \*.\* TO 'julpro'@'%';`.
- Flushing privileges with `FLUSH PRIVILEGES;`.
- Checking the grants for the 'julpro' user with `SHOW GRANTS FOR 'julpro'@'%';`.

The AWS Management Console sidebar shows the following sections:

- Instances (N. Virginia) - Account ID: 6546-5447-8122
- Todos los marcadores
- Elastic IP addresses
- Pv4 addresses
- NS
- 0.0.0.0-55-96.compute-1.amazonaws.com [ress]

The bottom navigation bar includes CloudShell, Feedback, Console Mobile App, Privacy, Terms, and Cookie preferences.

Instance details | EC2 | us-east-1 | SecurityGroup | EC2 | us-east-1 | Examen 2-Workshop (examen) | WhatsApp

```
ec2-user@ip-172-31-1-126:~$ rpm -Uvh mariadb-connector-c-3.3.10-1.amzn2023.0.1.x86_64.rpm
ec2-user@ip-172-31-1-126:~$ rpm -Uvh mariadb105-common-10.5.29-1.amzn2023.0.1.x86_64.rpm
ec2-user@ip-172-31-1-126:~$ rpm -Uvh perl-Sys-Hostname-1.23-477.amzn2023.0.7.x86_64.rpm
aws
Total
Running transaction check
Transaction check succeeded.
Running transaction test
Transaction test succeeded.
Running transaction
AMIs
Preparing :
  Installing : mariadb-connector-c-config-3.3.10-1.amzn2023.0.1.noarch
  Installing : mariadb-connector-c-3.3.10-1.amzn2023.0.1.x86_64
  Installing : mariadb105-common-3:10.5.29-1.amzn2023.0.1.x86_64
  Installing : perl-Sys-Hostname-1.23-477.amzn2023.0.7.x86_64
  Installing : mariadb105-3:10.5.29-1.amzn2023.0.1.x86_64
  Verifying : mariadb-connector-c-3.3.10-1.amzn2023.0.1.x86_64
  Verifying : mariadb-connector-c-config-3.3.10-1.amzn2023.0.1.noarch
  Verifying : mariadb105-3:10.5.29-1.amzn2023.0.1.x86_64
  Verifying : mariadb105-common-3:10.5.29-1.amzn2023.0.1.x86_64
  Verifying : perl-Sys-Hostname-1.23-477.amzn2023.0.7.x86_64
Secured installed:
  mariadb-connector-c-3.3.10-1.amzn2023.0.1.x86_64
Elastic mariadb105-3:10.5.29-1.amzn2023.0.1.x86_64
Places perl-Sys-Hostname-1.23-477.amzn2023.0.7.x86_64
Key Complete!
[ec2-user@ip-172-31-1-126 ~]$
```

Network Interfaces

Load Balancing

CloudShell Feedback Console Mobile App

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Pv4 addresses  
31.1.126

NS  
30-55-96.compute-1.amazonaws.com |  
ress ↗

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26/02/2026

database-1-julianparra-examen | SecurityGroup | EC2 | us-east-1 | Examen 2-Workshop (examen) | WhatsApp

us-east-1.console.aws.amazon.com/rds/home?region=us-east-1#database:id=database-1-julianparra-examen-prueba2;is-cluster=false

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AWS Account ID: 6546-5447-8122 julprobayo21@gmail.com

Aurora and RDS > Databases > database-1-julianparra-examen-prueba2

The database-1-julianparra cluster is being deleted.

database-1-julianparra-examen-prueba2

**Summary**

DB identifier	database-1-julianparra-examen-prueba2	Status	Creating	Role	Instance	Engine	MySQL Community
CPU	-	Class	db.m7g.large	Current activity		Region & AZ	us-east-1d

Recommendations

Connectivity & security Monitoring Logs & events Configuration Zero-ETL integrations Maintenance

CloudShell Feedback Console Mobile App

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26/02/2026

The screenshot shows the AWS Aurora and RDS console interface. The main page displays the summary for the database **database-1-julianparra-examen-prueba2**. Key details include:

- DB identifier:** database-1-julianparra-examen-prueba2
- Status:** Backing-up
- Role:** Instance
- Engine:** MySQL Community
- Region & AZ:** us-east-1d

The CPU usage is shown as 15.94%. Below the summary, there are tabs for Connectivity & security, Monitoring, Logs & events, Configuration, Zero-ETL integrations, and Maintenance. The Connectivity & security tab is selected.

On the left sidebar, the **Databases** section is expanded, showing options like Query editor, Performance insights, Snapshots, Exports in Amazon S3, Automated backups, Reserved instances, and Proxies. Other sections like Subnet groups, Parameter groups, Option groups, Custom engine versions, and Zero-ETL integrations are also visible.

The screenshot shows the AWS Aurora and RDS console with the CloudShell terminal open. The terminal window displays the following command and its output:

```
C:\Users\ALEJO>cd Downloads
Microsoft Windows [Versión 10.0.19045.6466]
(c) Microsoft Corporation. Todos los derechos reservados.

C:\Users\ALEJO>cd Downloads
El sistema no puede encontrar la ruta especificada.

Aurora
C:\Users\ALEJO>cd Downloads
```

The terminal also shows the AWS logo and the Aurora section of the sidebar. The bottom right corner of the terminal window displays the AWS account ID and the date/time (February 26, 2027, 20:32 (UTC-05:00)).

aurora and RDS | us-east-1 | Instance details | EC2 | us-east-1 | Examen 2-Workshop (examen) | WhatsApp

```
ec2-user@ip-172-31-1-126:~$ mysql -h database-1-julianparra-examen-prueba2.czckyteamig9k.us-east-1.rds.amazonaws.com -u admin -p
Enter password:
ERROR 1045 (28000): Access denied for user 'admin'@'172.31.1.126' (using password: YES)
[ec2-user@ip-172-31-1-126:~]$ mysql -h database-1-julianparra-examen-prueba2.czckyteamig9k.us-east-1.rds.amazonaws.com -u julianparra -
Enter password:
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MySQL connection id is 54
Server version: 8.4.7 Source distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

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

MySQL [(none)]> CREATE DATABASE
-> laboratorio Julian Parra
MySQL [(none)]> show databases;
+-----+
| Database |
+-----+
| Laboratorio Julian Parra |
| information_schema |
| mysql |
| performance_schema |
| sys |
+-----+
5 rows in set (0.002 sec)

MySQL [(none)]>
```

8. Subir evidencia

Escribe aquí para buscar.

9:08 p.m. 26/02/2026

aurora and RDS | us-east-1 | Instance details | EC2 | us-east-1 | Examen 2-Workshop (examen) | WhatsApp

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

MySQL [(none)]> CREATE DATABASE
-> laboratorio Julian Parra
-> show databases
-> cd..
-> c
-> ;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'Julian Parra'
show databases
cd..
` at line 2
MySQL [(none)]> CREATE DATABASE Laboratorio Julian_Parra;
Query OK, 1 row affected (0.004 sec)

MySQL [(none)]> show DATABASES
-> ;
+-----+
| Database |
+-----+
| Laboratorio Julian_Parra |
| information_schema |
| mysql |
| performance_schema |
| sys |
+-----+
5 rows in set (0.002 sec)

MySQL [(none)]>
```

Escribe aquí para buscar.

9:12 p.m. 26/02/2026

```
aurora and RDS | us-east-1 | Instance details | EC2 | us-east-1 | Examen 2-Workshop (examen) | WhatsApp
```

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

```
MySQL [(none)]> CREATE DATABASE
      >   -> laboratorio Julian_Parra
      >   -> show databases
      >   -> cd..
      >   -> c
      > ;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'Julian_Parra
show databases
cd..
`c' at line 2
MySQL [(none)]> CREATE DATABASE Laboratorio_Julian_Parra;
Query OK, 1 row affected (0.004 sec)

MySQL [(none)]> show DATABASES
      > ;
+-----+
| Database |
+-----+
| Laboratorio_Julian_Parra |
| information_schema |
| mysql |
| performance_schema |
| sys |
+-----+
5 rows in set (0.002 sec)
```

MySQL [(none)]>



Una base de datos que se deberá ver así: