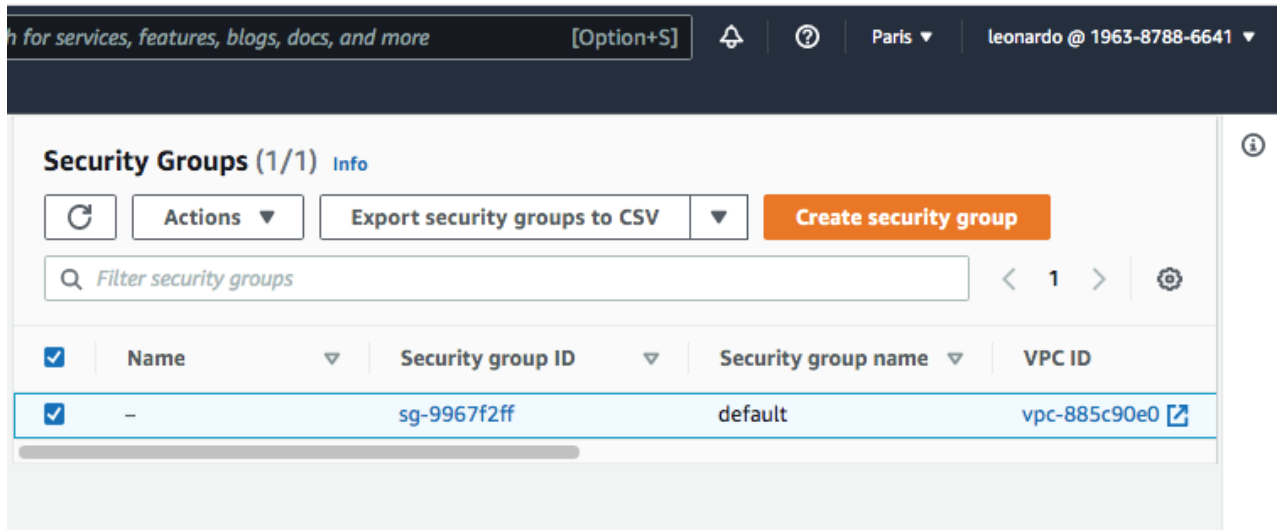


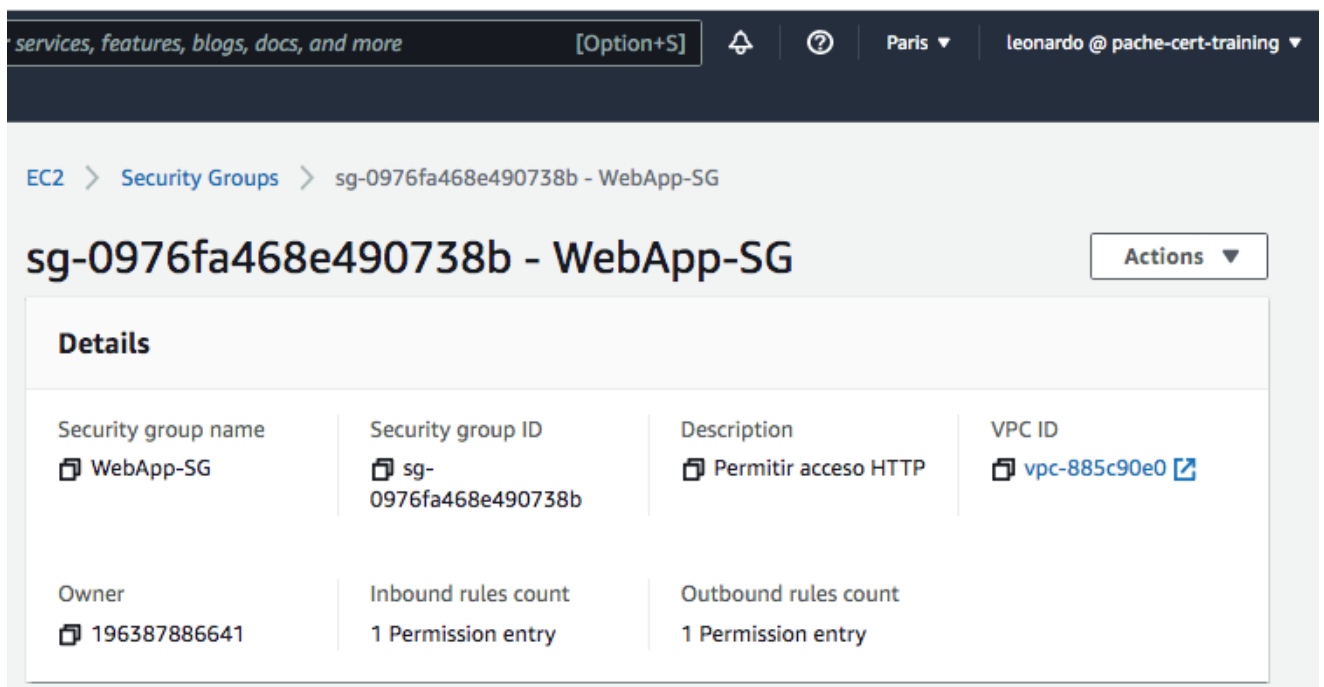
**Configuración del acceso y seguridad:**

- **Grupo de acceso:**
  - **Aplicación seguridad**

Empezando la configuración apenas con el inicial grupo



Nuevo grupo para acceso HTTP



- **Base de datos**

Creación del grupo para MySQL acceso

The screenshot shows the AWS Management Console interface for a Security Group. The breadcrumb navigation indicates the path: EC2 > Security Groups > sg-03c785ee558224398 - DB-SG. The main heading is 'sg-03c785ee558224398 - DB-SG' with an 'Actions' dropdown menu. Below this is a 'Details' section containing a table with the following information:

|                              |   |  |                        |
|------------------------------|---|--|------------------------|
| Security group name<br>DB-SG | Security group ID<br>sg-03c785ee558224398 | Description<br>Permitir acceso DB          | VPC ID<br>vpc-885c90e0 |
| Owner<br>196387886641        | Inbound rules count<br>1 Permission entry | Outbound rules count<br>1 Permission entry |                        |

Prova da lista de permisos creados:

The screenshot shows the AWS Management Console interface for a list of Security Groups. The breadcrumb navigation indicates the path: EC2 > Security Groups. The main heading is 'Security Groups (3) Info'. Below this is a table with the following information:

|                          | Name      | Security group ID    | Security group name | VPC ID       |
|--------------------------|-----------|----------------------|---------------------|--------------|
| <input type="checkbox"/> | db        | sg-03c785ee558224398 | DB-SG               | vpc-885c90e0 |
| <input type="checkbox"/> | webserver | sg-0976fa468e490738b | WebApp-SG           | vpc-885c90e0 |
| <input type="checkbox"/> | -         | sg-9967f2ff          | default             | vpc-885c90e0 |

BD RDS MySQL

1. Creación de la base de datos

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Creating database **phonebook-db**

View credential details

Your database might take a few minutes to launch.

RDS > Databases > phonebook-db

phonebook-db

Modify

Actions

Summary

|                               |                  |                           |                           |
|-------------------------------|------------------|---------------------------|---------------------------|
| DB identifier<br>phonebook-db | CPU<br>-         | Status<br>Creating        | Class<br>db.t2.micro      |
| Role<br>Instance              | Current activity | Engine<br>MySQL Community | Region & AZ<br>eu-west-3a |

2. Detalles de la configuración

Instance

|   |  |  |  |
|---|--|--|--|
| <div>Configuration</div> <div>DB instance ID<br/>phonebook-db</div> <div>Engine version<br/>5.7.34</div> <div>DB name<br/>phonebook</div> <div>License model<br/>General Public License</div> <div>Option groups<br/>default:mysql-5-7 In sync</div> <div>Amazon Resource Name (ARN)<br/>arn:aws:rds:eu-west-3:196387886641:db:phonebook-db</div> <div>Resource ID<br/>db-SNU2EFYYRRJ7AEN36X3R7EZXT</div> <div>Created time<br/>-</div> <div>Parameter group<br/>default:mysql5.7 In sync</div> <div>Deletion protection<br/>Disabled</div> | <div>Instance class</div> <div>Instance class<br/>db.t2.micro</div> <div>vCPU<br/>1</div> <div>RAM<br/>1 GB</div> <div>Availability</div> <div>Master username<br/>dbadmin</div> <div>IAM DB authentication<br/>Not enabled</div> <div>Multi-AZ<br/>No</div> <div>Secondary Zone<br/>-</div> | <div>Storage</div> <div>Encryption<br/>Not enabled</div> <div>Storage type<br/>General Purpose SSD (gp2)</div> <div>Storage<br/>20 GiB</div> <div>Provisioned IOPS<br/>-</div> <div>Storage autoscaling<br/>Disabled</div> | <div>Performance Insights</div> <div>Performance Insights enabled<br/>No</div> <div>Database activity stream</div> <div>Status<br/>Stopped</div> |
|---|--|--|--|

Despliegue app en EC2

1. Creación de la instancia linux que hospedará la aplicación

aws

Services

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Resource Groups & Tag Editor

1. Choose AMI

2. Choose Instance Type

3. Configure Instance

4. Add Storage

5. Add Tags

6. Configure Security Group

7. Review

Step 7: Review Instance Launch

Please review your instance launch details. You can go back to edit changes for each section. Click **Launch** to assign a key pair to your instance and complete the launch process.

▼ AMI Details

Edit AMI

Free tier eligible

Amazon Linux 2 AMI (HVM) - Kernel 5.10, SSD Volume Type - ami-0d3c032f5934e1b41

Amazon Linux 2 comes with five years support. It provides Linux kernel 5.10 tuned for optimal performance on Amazon EC2, systemd 219, GCC 7.3, Glibc 2.26, Binutils 2.29.1, and the latest software packages through extras. This AMI is the successor of the Amazon Linux AMI that is n...

Root Device Type: ebs    Virtualization type: hvm

▼ Instance Type

Edit instance type

| Instance Type | ECUs | vCPUs | Memory (GiB) | Instance Storage (GB) | EBS-Optimized Available | Network Performance |
|---------------|------|-------|--------------|-----------------------|-------------------------|---------------------|
| t2.micro      | -    | 1     | 1            | EBS only              | -                       | Low to Moderate     |

▼ Security Groups

Edit security groups

| Security Group ID    | Name       | Description                      |
|----------------------|------------|----------------------------------|
| sg-0274d1f63e88d9257 | WebApp-LMP | Allow access HTTP to application |

All selected security groups inbound rules

| Type ⓘ | Protocol ⓘ | Port Range ⓘ | Source ⓘ  | Description ⓘ |
|--------|------------|--------------|-----------|---------------|
| HTTP   | TCP        | 80           | 0.0.0.0/0 |               |

► Instance Details

Edit instance details

► Storage

Edit storage

► Tags

Edit tags

Cancel

Previous

Launch

## 2. Instancia iniciando

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Launch Instance Connect Actions

Filter by tags and attributes or search by keyword

| Instance ID         | Instance Type | Availability Zone | Instance State | Status Checks  | Alarm Status | Public DNS (IPv4)        | IPv4 Public IP |
|---------------------|---------------|-------------------|----------------|----------------|--------------|--------------------------|----------------|
| i-005fc89791b5cbdb0 | t2.micro      | eu-west-3c        | running        | 2/2 checks ... | None         | ec2-52-47-107-105.eu-... | 52.47.107.105  |

Instance: i-005fc89791b5cbdb0 (Webserver) Public DNS: ec2-52-47-107-105.eu-west-3.compute.amazonaws.com

Description Status Checks Monitoring Tags

|                       |   |                        |  |
|-----------------------|---|------------------------|--|
| Instance ID           | i-005fc89791b5cbdb0   | Public DNS (IPv4)      | ec2-52-47-107-105.eu-west-3.compute.amazonaws.com                                  |
| Instance state        | running   | IPv4 Public IP         | 52.47.107.105  |
| Instance type         | t2.micro  | IPv6 IPs               | -  |
| Finding               | Opt-in to AWS Compute Optimizer for recommendations. <a href="#">Learn more</a> | Elastic IPs            | -  |
| Private DNS           | ip-172-31-37-39.eu-west-3.compute.internal                                      | Availability zone      | eu-west-3c   |
| Private IPs           | 172.31.37.39  | Security groups        | WebApp-SG. <a href="#">view inbound rules.</a> <a href="#">view outbound rules</a> |
| Secondary private IPs | -   | Scheduled events       | No scheduled events  |
| VPC ID                | vpc-885c90e0  | AMI ID                 | amzn2-ami-kernel-5.10-hvm-2.0.20211201.0-x86_64-gp2 (ami-0d3c032f5934e1b41)        |
| Platform              | Amazon Linux  | Subnet ID              | subnet-bd0553f0  |
| Platform details      | Linux/UNIX  | Network interfaces     | eth0   |
| Usage operation       | RunInstances  | IAM role               | -  |
| Source/dest. check    | True  | Key pair name          | -  |
| T2/T3 Unlimited       | Disabled  | Owner                  | 196387886641   |
| EBS-optimized         | False   | Launch time            | December 14, 2021 at 3:01:20 PM UTC+1 (less than one hour)                         |
| Root device type      | ebs   | Termination protection | False  |
| Root device           | /dev/xvda   | Lifecycle              | normal   |
| Block devices         | /dev/xvda   | Monitoring             | basic  |
| Capacity Reservation  | -   | Alarm status           | None   |
|                       |   | Kernel ID              | -  |
|                       |   | RAM disk ID            | -  |

## Verificación del funcionamiento de la aplicación

### 1) Resultado de la consulta por la URL pública

ec2-52-47-107-105.eu-west-3.compute.amazonaws.com

Editor.md VPS Guitar M.M.M. GP4YOU Japanese Donation

| LOAD TEST         | RDS                 |
|-------------------|---------------------|
| <b>Meta-Data</b>  | <b>Value</b>        |
| InstanceId        | i-005fc89791b5cbdb0 |
| Availability Zone | eu-west-3c          |

Current CPU Load: **100%**

### 2) RDS configuración de la conexión

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### Connectivity & security

| Endpoint & port   | Networking   | Security  |
|---|--|---|
| Endpoint<br>phonebook-db.cks6whbkehwo.eu-west-3.rds.amazonaws.com | Availability Zone<br>eu-west-3c<br><br>VPC<br>vpc-885c90e0 | VPC security groups<br>DB-SG (sg-03c785ee558224398)<br>Active |

Not Secure | ec2-52-47-107-105.eu-west-3.compute.amazonaws.com/rds.php

LOAD TEST RDS

Endpoint: phonebook-db.cks6whbkehwo.eu-west-3.rds.amazonaws.co

Database: phonebook

Username: dbadmin

Password: .....

Submit

3) Acceso la aplicación

Not Secure | ec2-52-47-107-105.eu-west-3.compute.amazonaws.com/rds.php

LOAD TEST RDS

## Address Book

| Name                        | Phone        | Email  | Admin                |                        |
|-----------------------------|--------------|--|----------------------|------------------------|
| <a href="#">Add Contact</a> |              |  |                      |                        |
| Alice                       | 571-555-4875 | <a href="mailto:alice@address2.us">alice@address2.us</a>     | <a href="#">Edit</a> | <a href="#">Remove</a> |
| Bob                         | 630-555-1254 | <a href="mailto:bob@fakeaddress.com">bob@fakeaddress.com</a> | <a href="#">Edit</a> | <a href="#">Remove</a> |

4) Nuevo contacto añadido.

Not Secure | ec2-52-47-107-105.eu-west-3.compute.amazonaws.com/rds.php

LOAD TEST RDS

## Address Book

| Name                        | Phone        | Email  | Admin                |                        |
|-----------------------------|--------------|--|----------------------|------------------------|
| <a href="#">Add Contact</a> |              |  |                      |                        |
| Alice                       | 571-555-4875 | <a href="mailto:alice@address2.us">alice@address2.us</a>           | <a href="#">Edit</a> | <a href="#">Remove</a> |
| Bob                         | 630-555-1254 | <a href="mailto:bob@fakeaddress.com">bob@fakeaddress.com</a>       | <a href="#">Edit</a> | <a href="#">Remove</a> |
| Leonardo                    | 347878787878 | <a href="mailto:leonardo@obsschool.com">leonardo@obsschool.com</a> | <a href="#">Edit</a> | <a href="#">Remove</a> |