

Proyecto 3: computación en la nube

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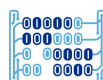
1. Contenido

IPV4 publico: 3.90.78.246

DNS publico: ec2-3-90-78-246.compute-1.amazonaws.com

URL de la fuente de datos: <https://www.kaggle.com/rajatrc1705/bundesliga-top-7-teams-offensive-stats>

app1.py



1.1. Diagrama

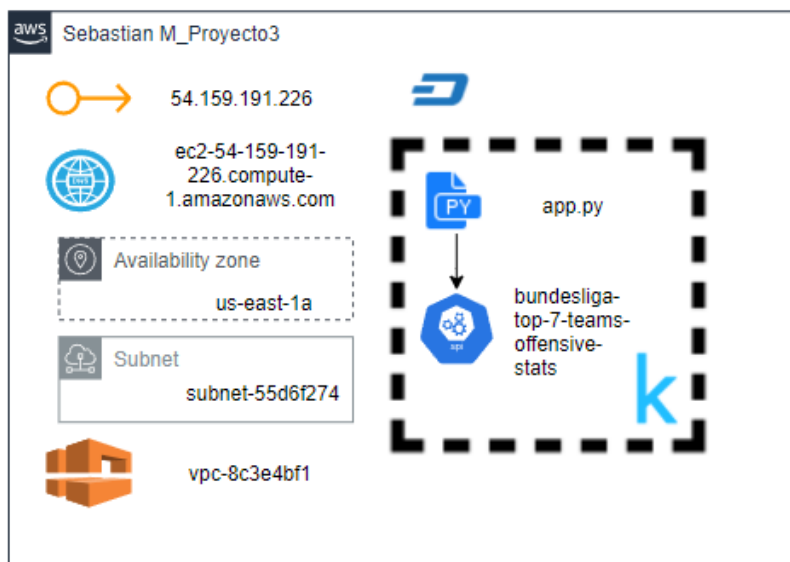


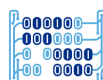
Figura 1: 1 diagram

1.2. Servicios usados en AWS

Instance: i-0ec86119a13fc0b08 (Proyecto3)

Instance ID i-0ec86119a13fc0b08 (Proyecto3)	Public IPv4 address 54.159.191.226 open address	Private IPv4 addresses 172.31.84.139
IPv6 address -	Instance state Running	Public IPv4 DNS ec2-54-159-191-226.compute-1.amazonaws.com open address
Private IPv4 DNS ip-172-31-84-139.ec2.internal	Instance type t2.micro	Elastic IP addresses 54.159.191.226 [Public IP]

Figura 2: Instance description



Summary

Allocated IPv4 address 🔗 54.159.191.226	Type 🔗 Public IP	Allocation ID 🔗 eipalloc-046e22d3c927c520b	Reverse DNS record –
Association ID 🔗 eipassoc-0b5c697d78fa33cec	Scope 🔗 VPC	Associated instance ID i-0ec86119a13fc0b08	Private IP address 🔗 172.31.84.139
Network interface ID eni-095c77d1928dc3344	Network interface owner account ID 🔗 077473843050	Public DNS 🔗 ec2-54-159-191-226.compute-1.amazonaws.com	NAT Gateway ID –

Figura 3: Elastic IP

2. Dominio

IPV4 publico: 54.159.191.226

DNS publico: ec2-54-159-191-226.compute-1.amazonaws.com

Zona hosteada: sebastian.cf

DNS del balanceador de carga: ALBSM-360666223.us-east-1.elb.amazonaws.com

app.py

PostgressSQL.py



2.1. Diagrama

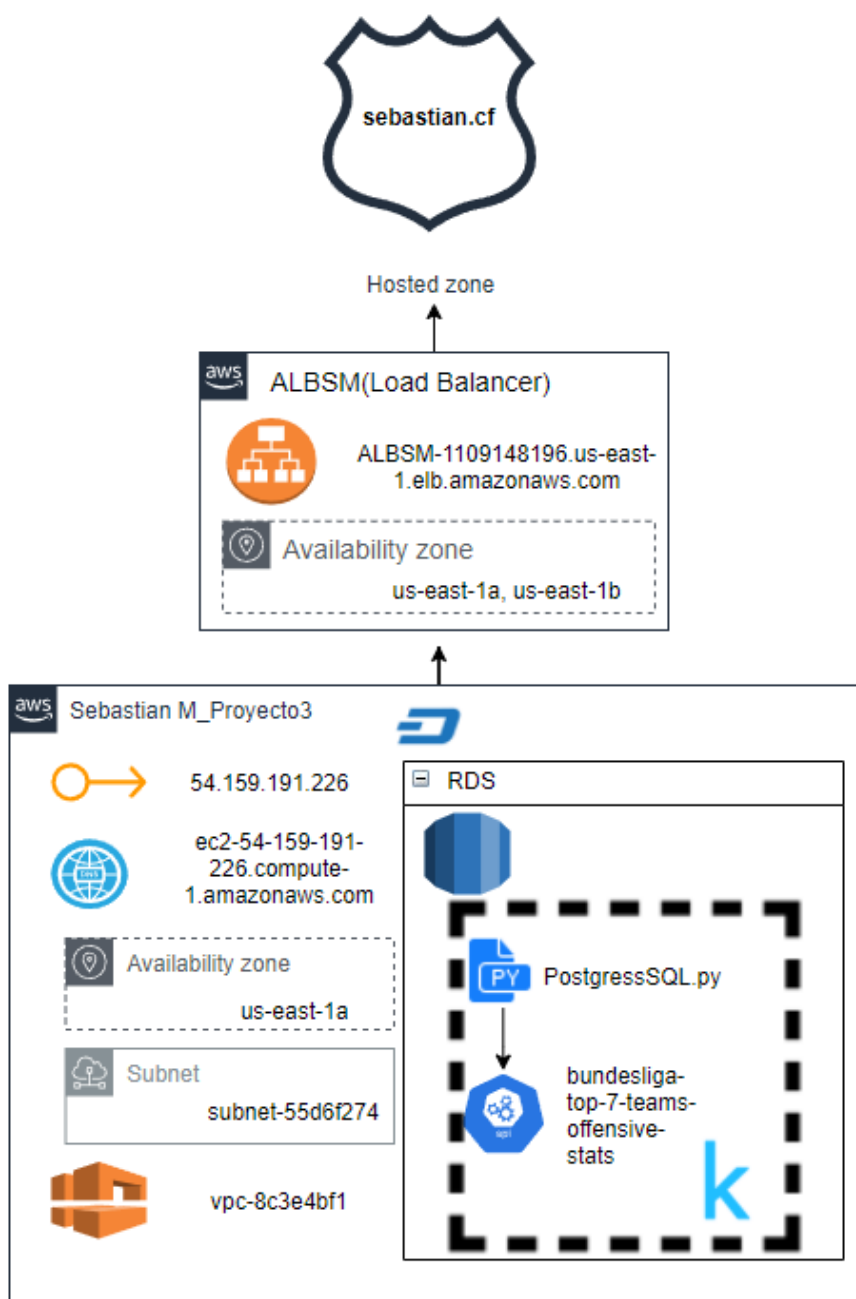


Figura 4: 2 diagram

2.2. Servicios usados en AWS

TG1

arn:aws:elasticloadbalancing:us-east-1:077473843050:targetgroup/TG1/2abc72561c332d60

[Details](#) | [Targets](#) | [Monitoring](#) | [Health checks](#) | [Attributes](#) | [Tags](#)

Details

Target type Instance	Protocol : Port HTTP: 80	Protocol version HTTP1	VPC vpc-8c3e4bf1 ↗
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Figura 5: Target Group

Load balancer: **ALBSM**

[Description](#) | [Listeners](#) | [Monitoring](#) | [Integrated services](#) | [Tags](#)

Basic Configuration

Name	ALBSM
ARN	arn:aws:elasticloadbalancing:us-east-1:077473843050:loadbalancer/app/ALBSM/3d36bfa74eeeab96 ↗
DNS name	ALBSM-1109148196.us-east-1.elb.amazonaws.com ↗ (A Record)
State	Active
Type	application
Scheme	internet-facing
IP address type	ipv4

Figura 6: Application load balancer

sebastian.cf Info			Delete zone	Test record
▼ Hosted zone details				
Hosted zone ID	Type		Name servers	
Z0081149V2IY08XZ0582	Public hosted zone		ns-1247.awsdns-27.org	
Description	Record count		ns-842.awsdns-41.net	
-	3		ns-299.awsdns-37.com	
Query log			ns-1835.awsdns-37.co.uk	
-				

Figura 7: Hosted Zone 'sebastian.cf'

3. Contenedores

URL Dockerhub: <https://hub.docker.com/repository/docker/sebastian5555/proyecto3>

3.1. Comandos

INSTALANDO DOCKER

```
sudo apt-get remove docker docker-engine docker.io containerd runc
sudo apt-get update
sudo apt-get install apt-transport-https ca-certificates curl gnupg-agent software-properties-common
curl -fsSL https://download.docker.com/linux/ubuntu/gpg -- sudo apt-key add -
sudo apt-key fingerprint 0EBFCD88
sudo add-apt-repository "deb [arch=amd64] https://download.docker.com/linux/ubuntu $(lsb_release -cs) stable"
sudo apt-get update
sudo apt-get install docker-ce docker-ce-cli containerd.io
sudo docker run hello-world
```

DOCKER COMPOSE

```
sudo curl -L "https://github.com/docker/compose/releases/download/1.27.4/docker-compose-$(uname -s)-$(uname -m).o" /usr/local/bin/docker-compose
sudo chmod +x /usr/local/bin/docker-compose
```

CREAR ARCHIVOS: requirements.txt, Dockerfile, docker-compose.yml



EJECUTANDO APLICACIÓN

```
sudo docker-compose build
```

```
sudo docker-compose up
```

```
sudo docker-compose up -d
```

3.2. Diagrama

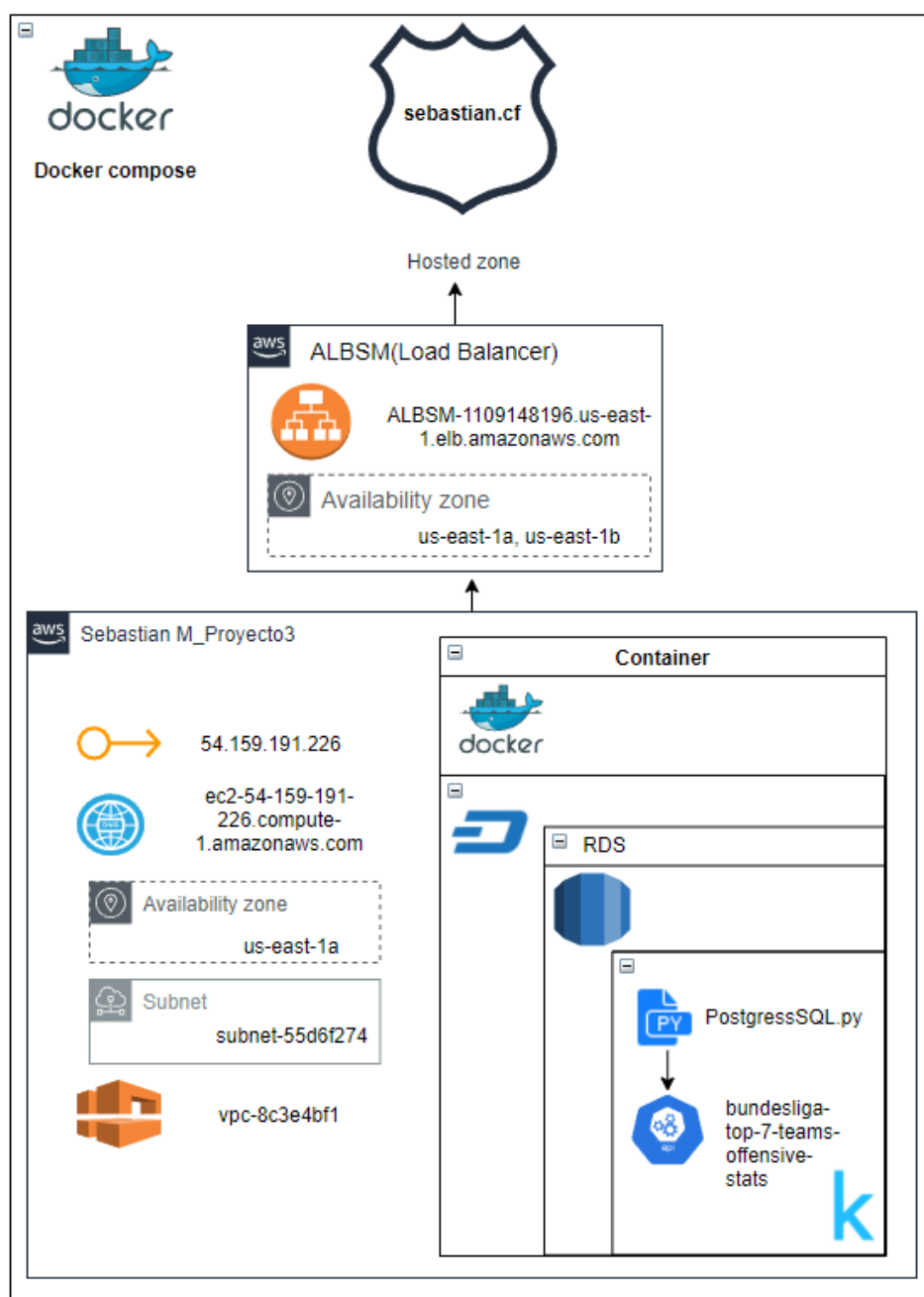


Figura 8: 3 diagram