# 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

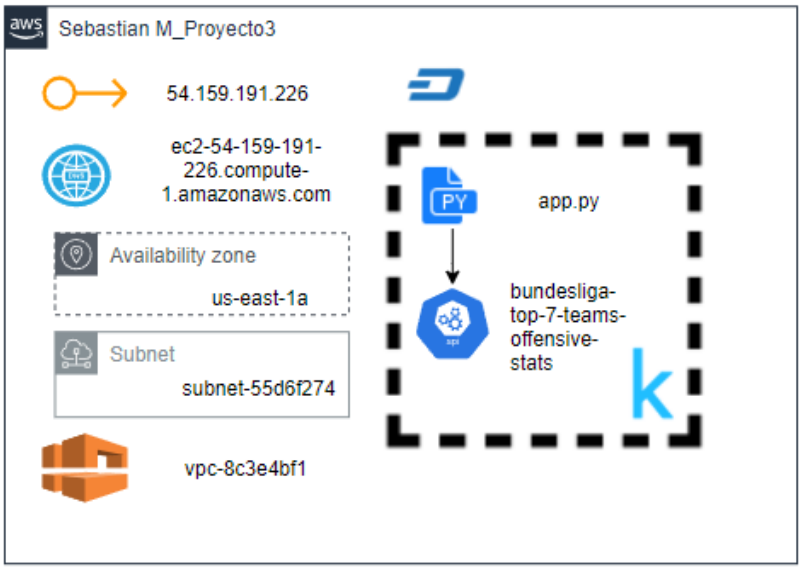


Figura 1: 1 diagram

## 1.2. Servicios usados en AWS

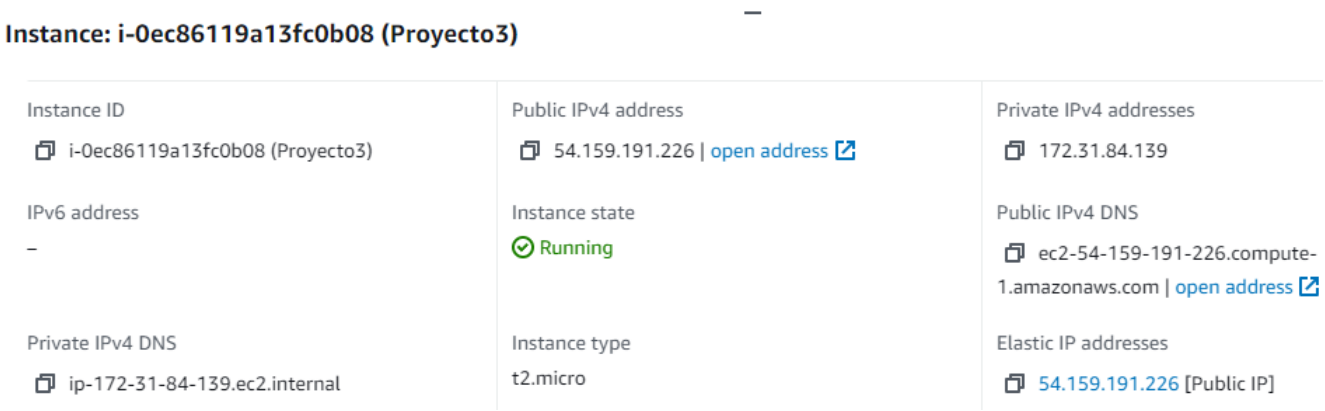


Figura 2: Instance description


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

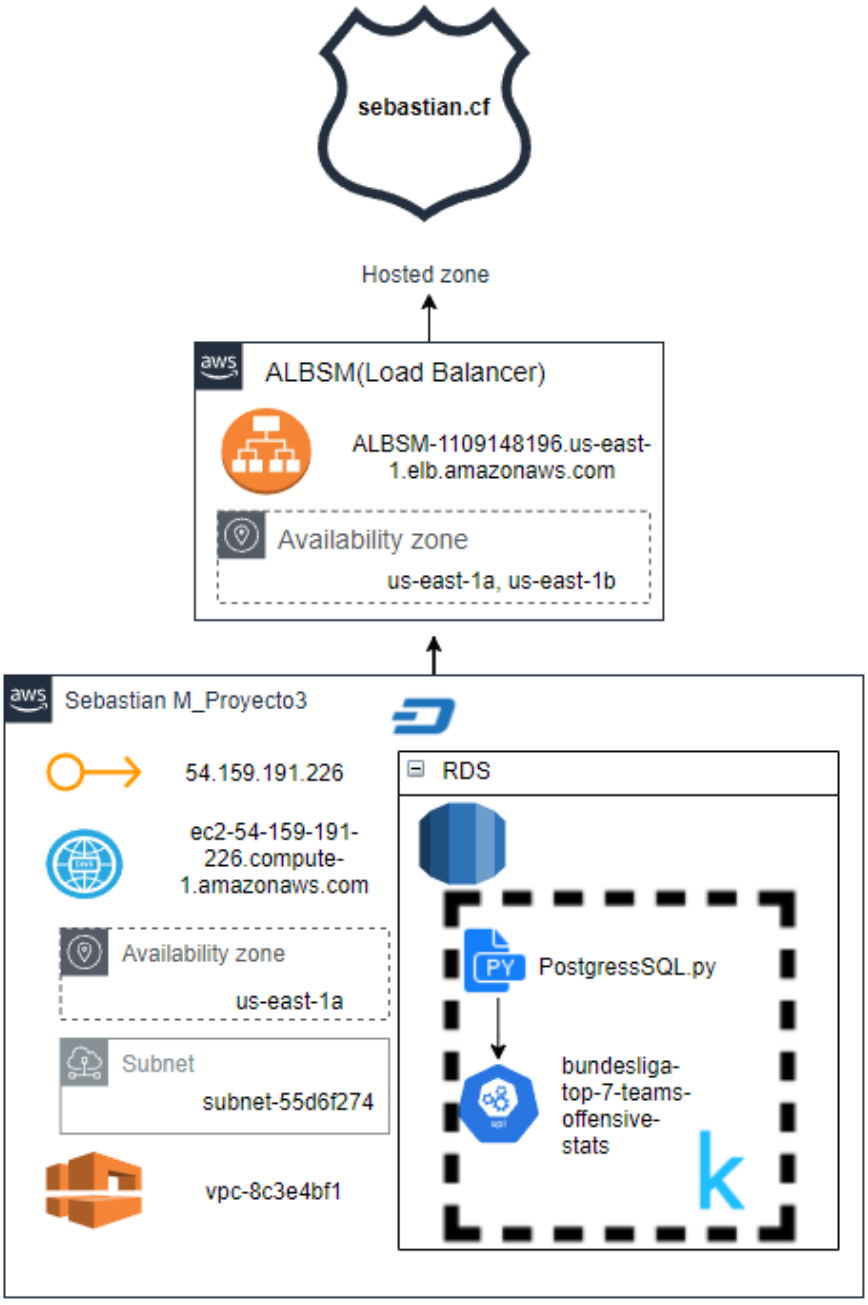


Figura 4: 2 diagram

## 2.2. Servicios usados en AWS

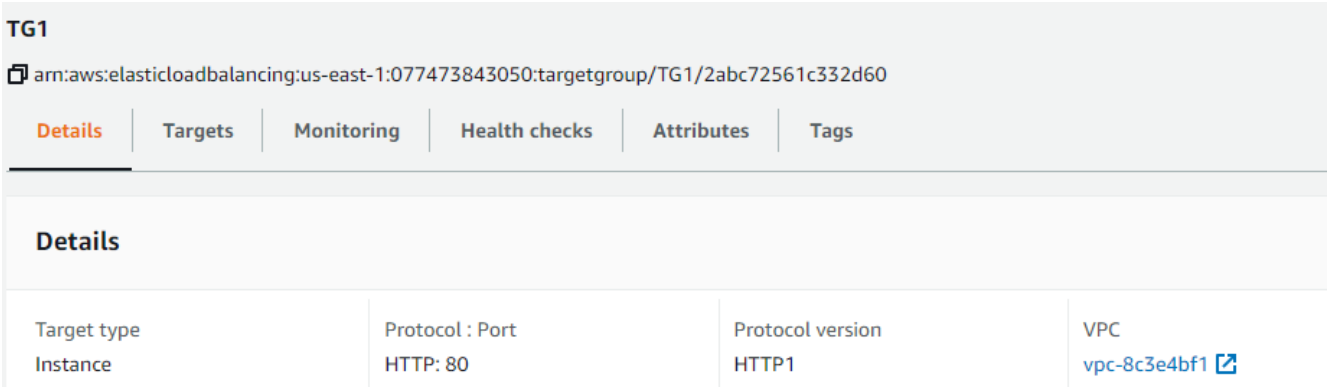


Figura 5: Target Group

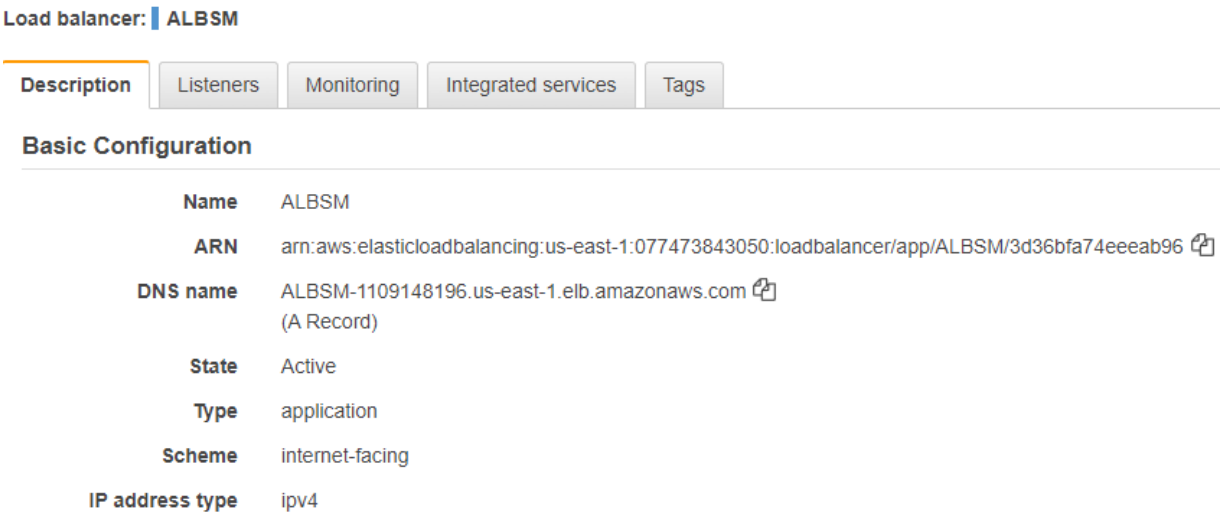


Figura 6: Application load balancer

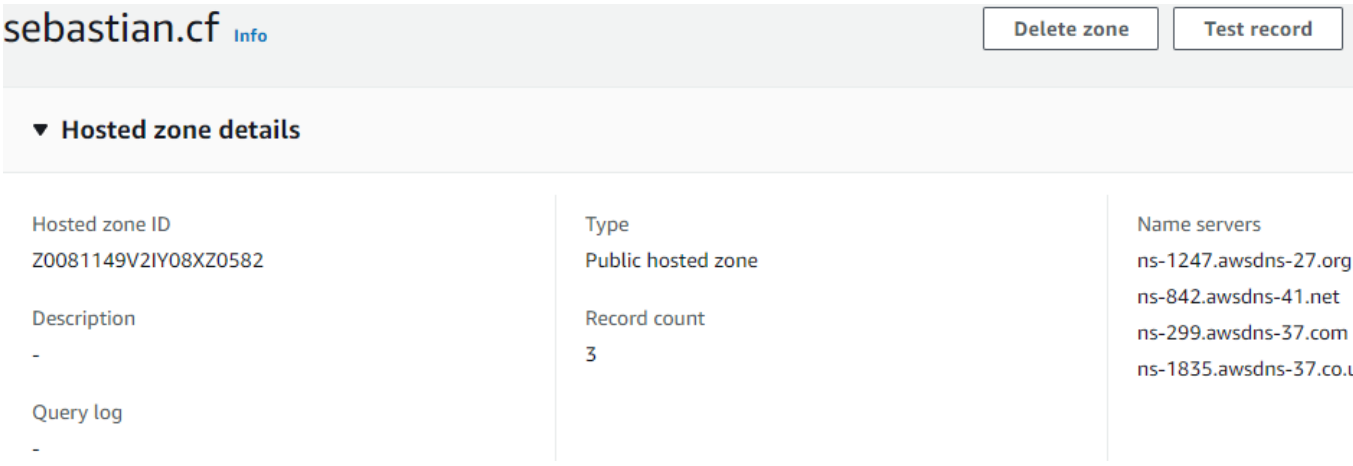


Figura 7: Hosted Zone 'sebastian.cf'

# 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)." /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

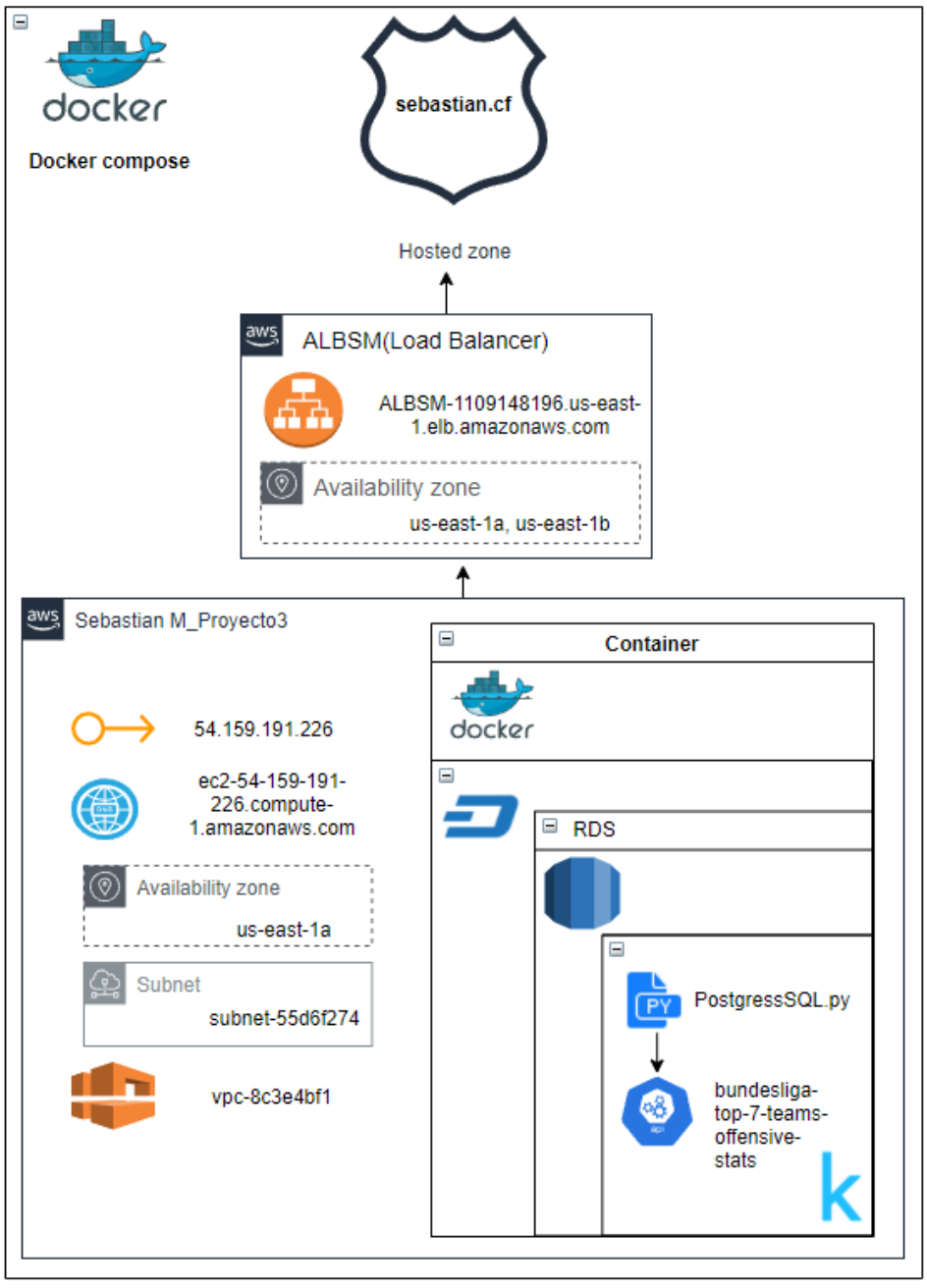


Figura 8: 3 diagram