

Proyecto 2: computación en la nube

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1. Contenido

IPV4 publico: 34.204.50.51

DNS publico: ec2-34-204-50-51.compute-1.amazonaws.com

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

1.1. Diagrama

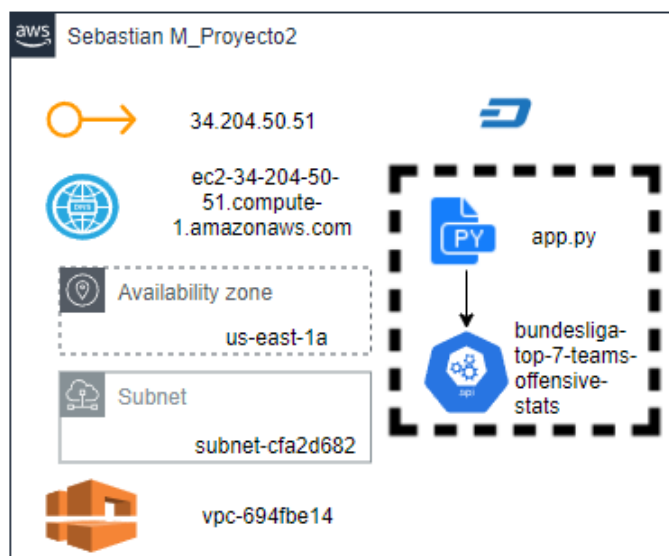


Figura 1: 1 diagram

1.2.

Instance: **i-0bae4af21b5380edb (Sebastian M_Proyecto2)** Public DNS: **ec2-34-204-50-51.compute-1.amazonaws.com**


Description	Status Checks	Monitoring	Tags
Instance ID	i-0bae4af21b5380edb		Public DNS (IPv4)
Instance state	running		ec2-34-204-50-51.compute-1.amazonaws.com 
Instance type	t2.micro		IPv4 Public IP
Finding	You may not have permission to access AWS Compute Optimizer.		IPv6 IPs
Private DNS	ip-172-31-30-151.ec2.internal		Elastic IPs
Private IPs	172.31.30.151		Availability zone
			us-east-1a
			Security groups
			AndresS_P2 . view inbound

Figura 2: Instance description

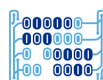
2. Dominio

IPV4 publico: 34.204.50.51

DNS publico: ec2-34-204-50-51.compute-1.amazonaws.com

Zona hosteada: sebastian.cf

Load Balancer DNS : ALBSM-768910786.us-east-1.elb.amazonaws.com



2.1. Diagrama

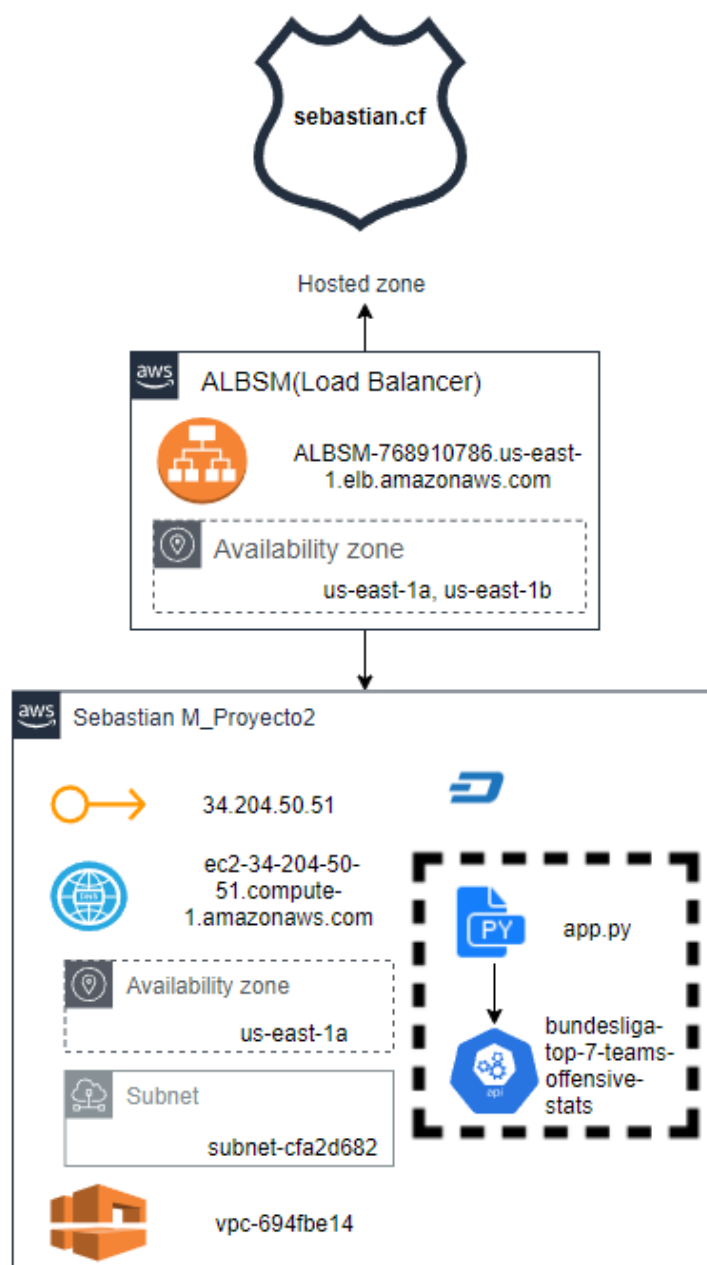


Figura 3: 2 diagram



2.2.

Load balancer: **ALBSM**

Description | Listeners | Monitoring | Integrated services | Tags

Basic Configuration

Name	ALBSM
ARN	arn:aws:elasticloadbalancing:us-east-1:150839082595:loadbalancer/app/ALBSM/5a6d78ea25561c62
DNS name	ALBSM-768910786.us-east-1.elb.amazonaws.com (A Record)
State	Provisioning
Type	application
Scheme	internet-facing
IP address type	ipv4

Figura 4: Application load balancer

Records (3) [Info](#)

Automatic mode is the current search behavior optimized for best filter results. [To change modes go to settings.](#)

[Delete record](#) [Import zone file](#) [Create record](#)

Type ▼ Routing policy ▼ Alias

<input type="checkbox"/>	Record name ▼	Type ▼	Routin... ▼	Differ... ▼	Value/Route traffic to
<input type="checkbox"/>	sebastian.cf	A	Simple	-	dualstack.albsm-768910786.us-east-1.elb.am
<input type="checkbox"/>	sebastian.cf	NS	Simple	-	ns-1258.awsdns-29.org. ns-203.awsdns-25.com. ns-610.awsdns-12.net. ns-2026.awsdns-61.co.uk.
<input type="checkbox"/>	sebastian.cf	SOA	Simple	-	ns-1258.awsdns-29.org. awsdns-hostmaster.a

Figura 5: Hosted Zone 'sebastian.cf'

3. Servicio global

Nombre del dominio CDN: <https://d2nu47gylm1c7v.cloudfront.net>

3.1. Diagrama

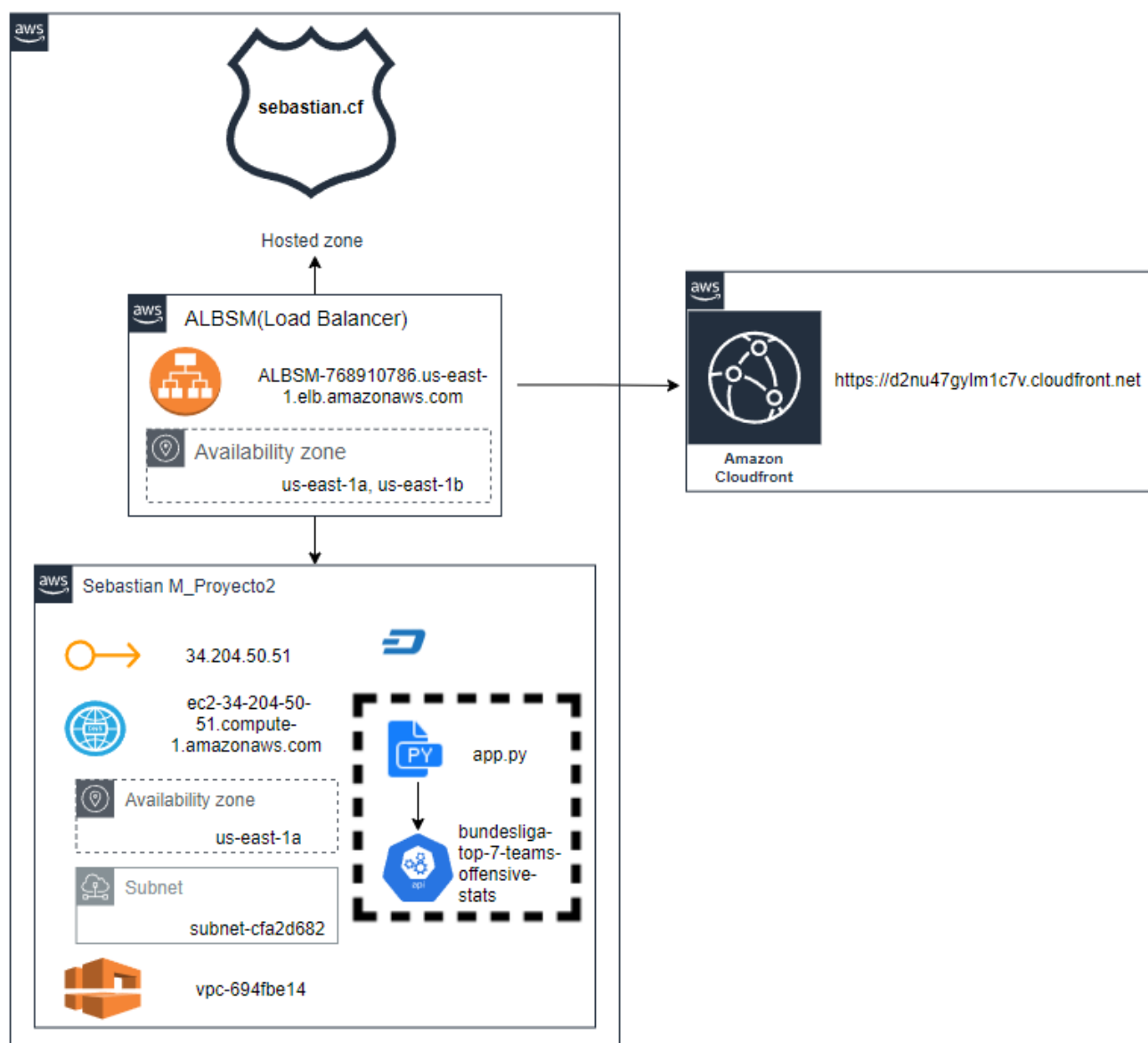


Figura 6: 3 diagram



3.2.

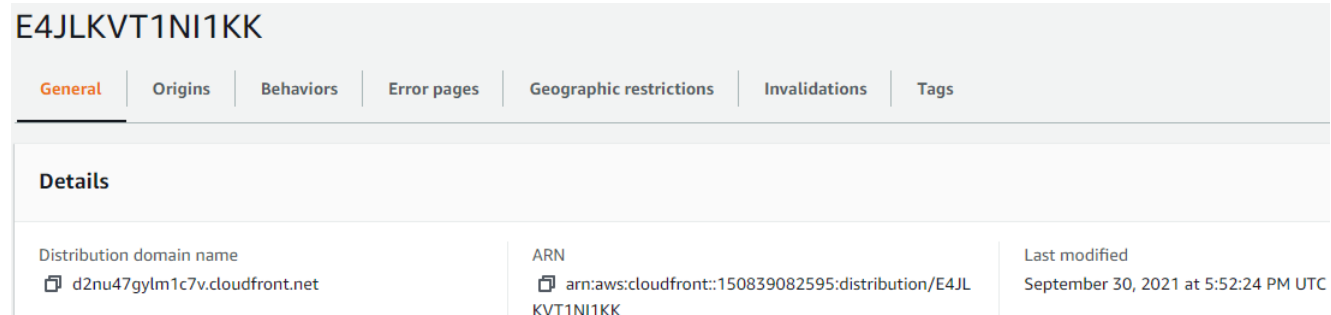


Figura 7: Cloudfront

4. Contenedores

URL Dockerhub: <https://hub.docker.com/repository/docker/sebastian5555/proyecto2>

4.1. 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
    
```

4.2. Diagrama

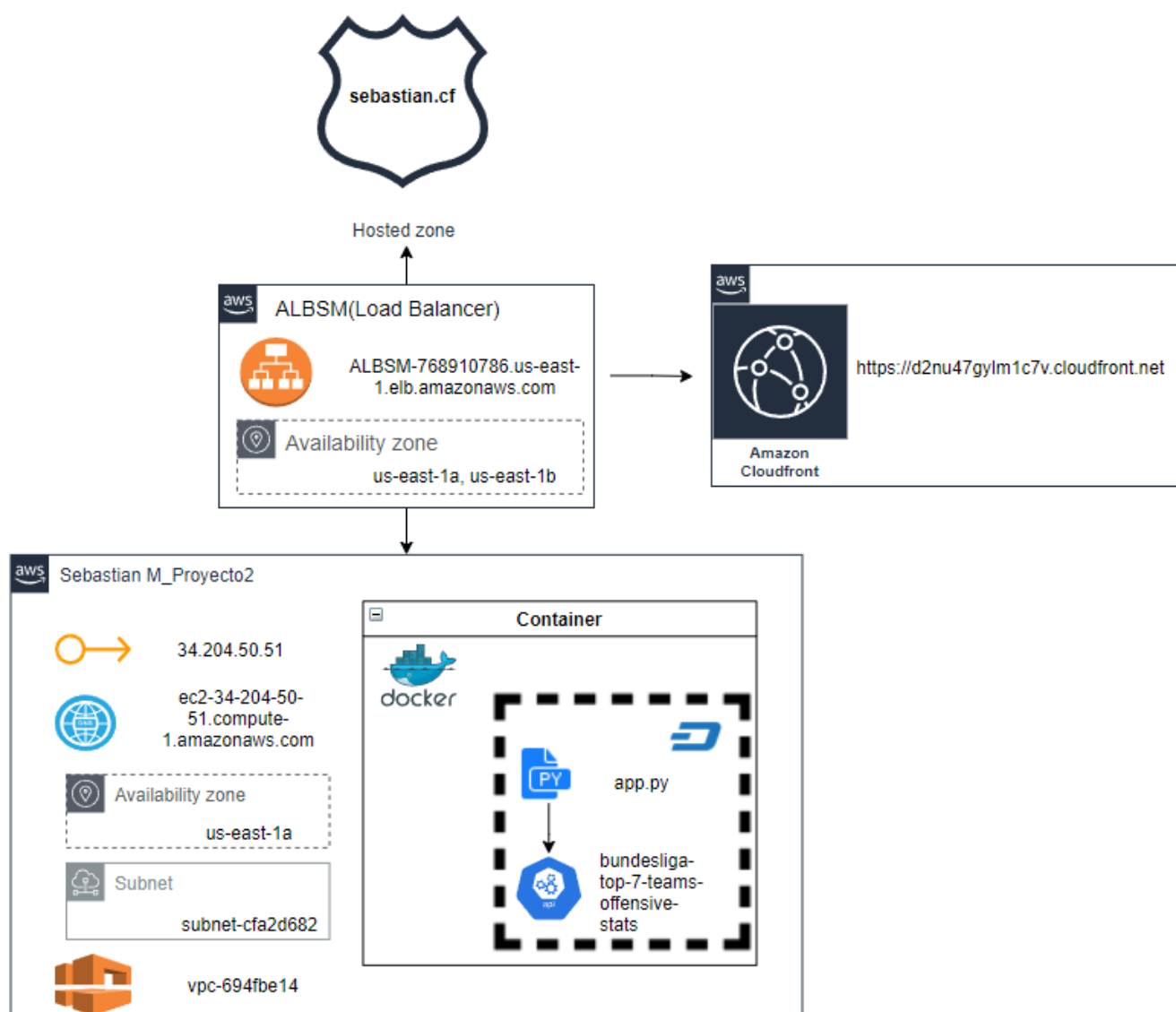


Figura 8: 4 diagram