

compass.uol

AI R

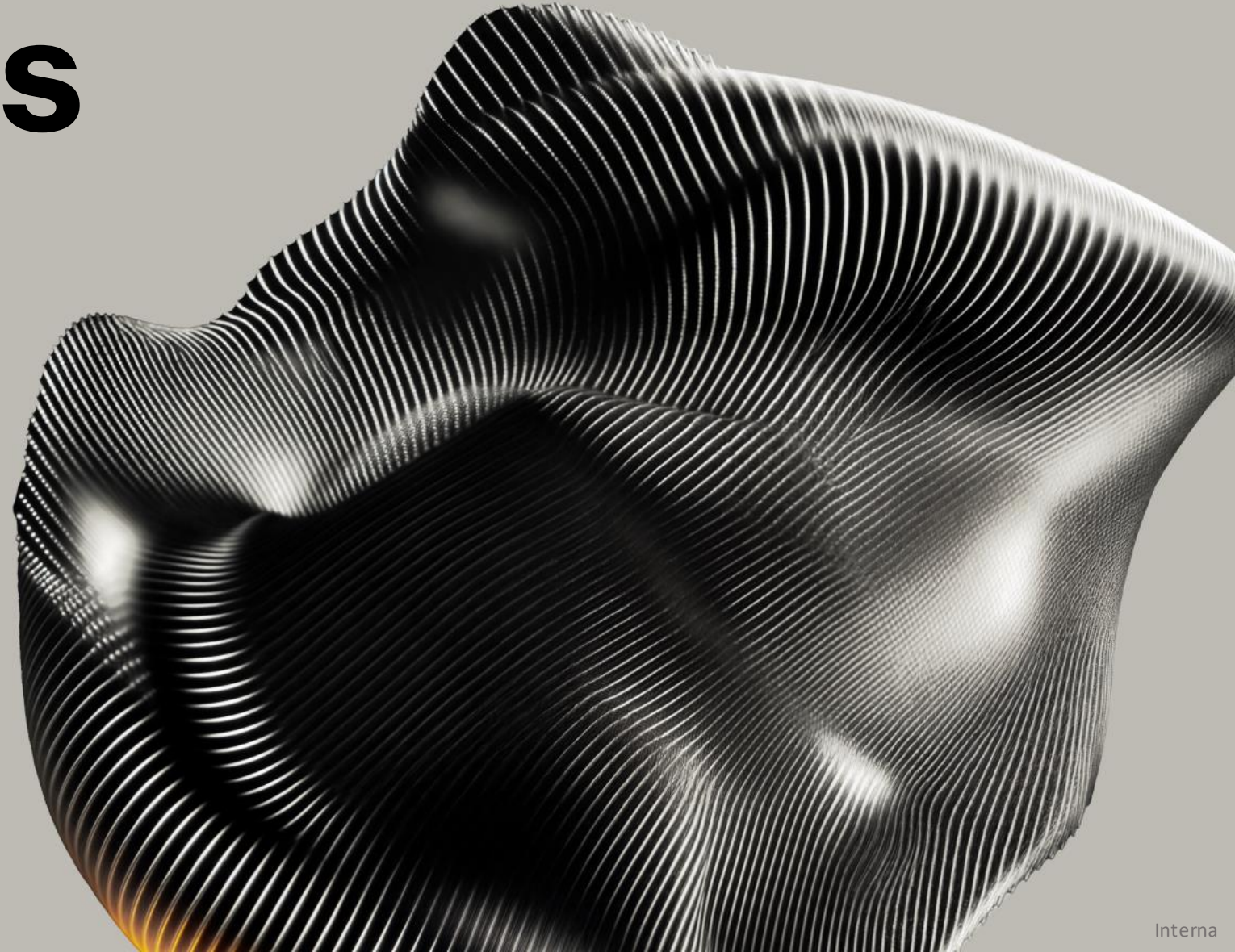
Agentic AI
Software
Engineering



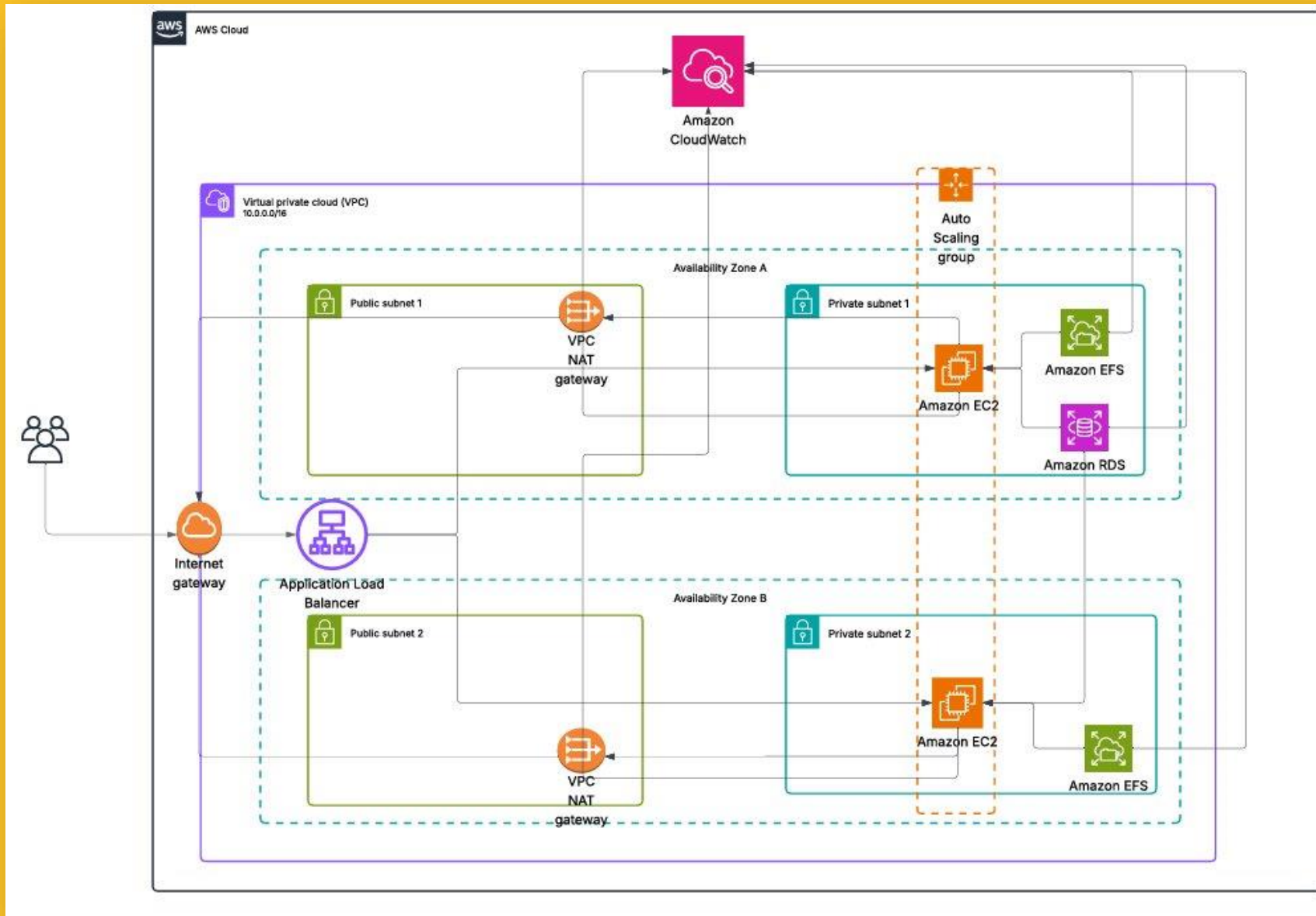
PB ABR 2025

DevSecOps + AWS

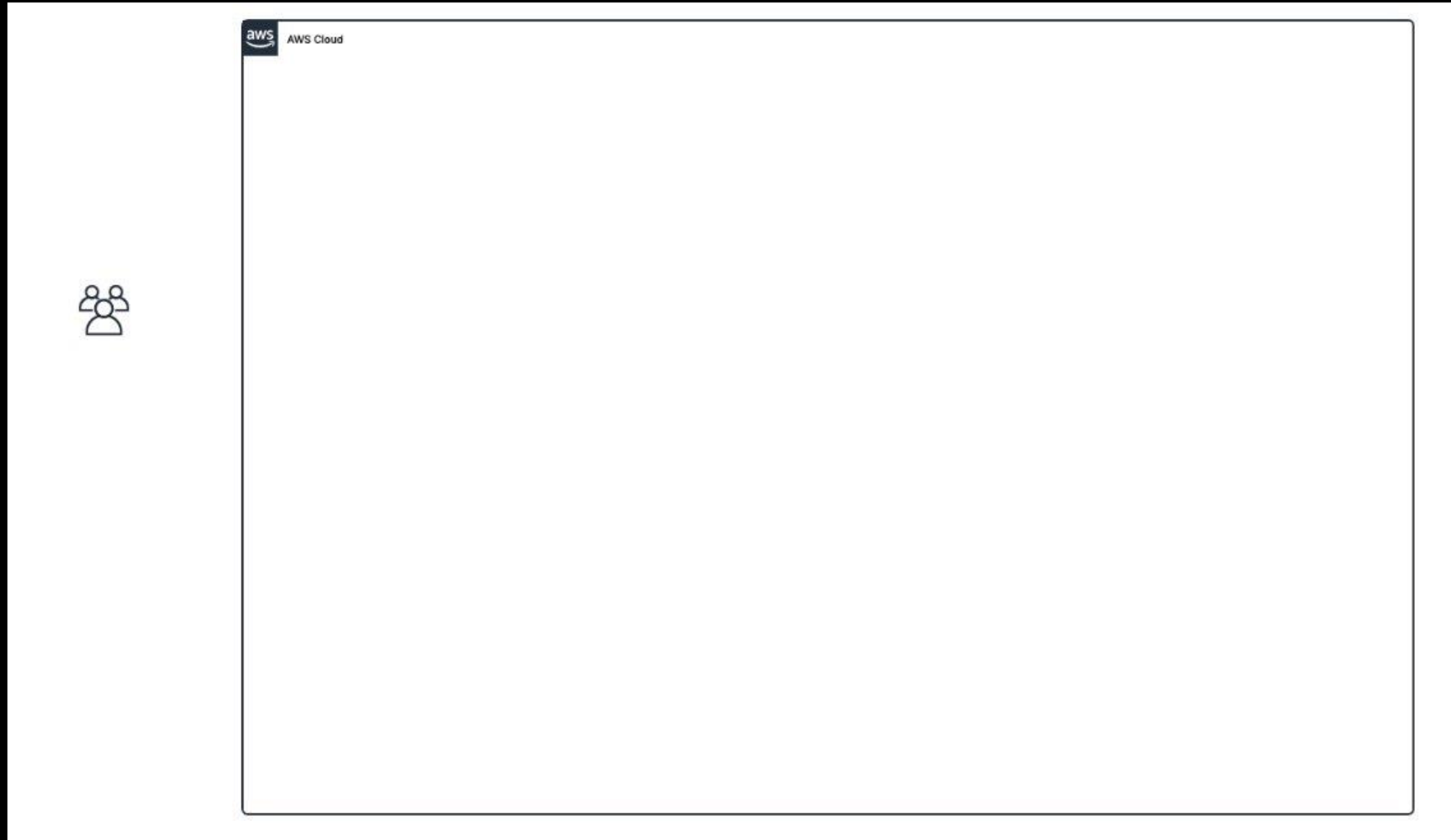
WordPress Deploy on AWS



Arquitetura Geral



A nuvem AWS

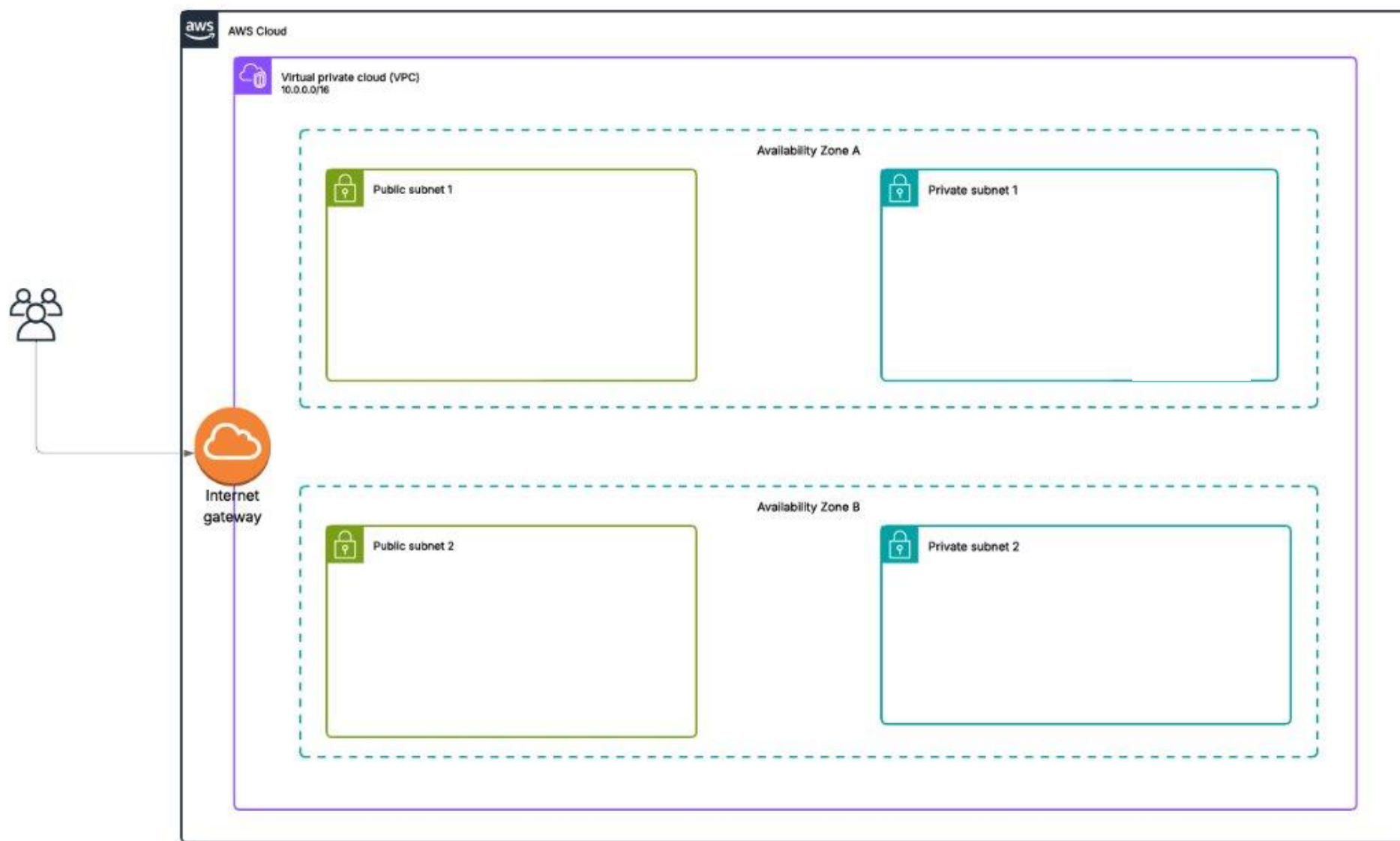


Virtual Private Cloud - VPC



Uma "fatia" privada da nuvem.

Subnets



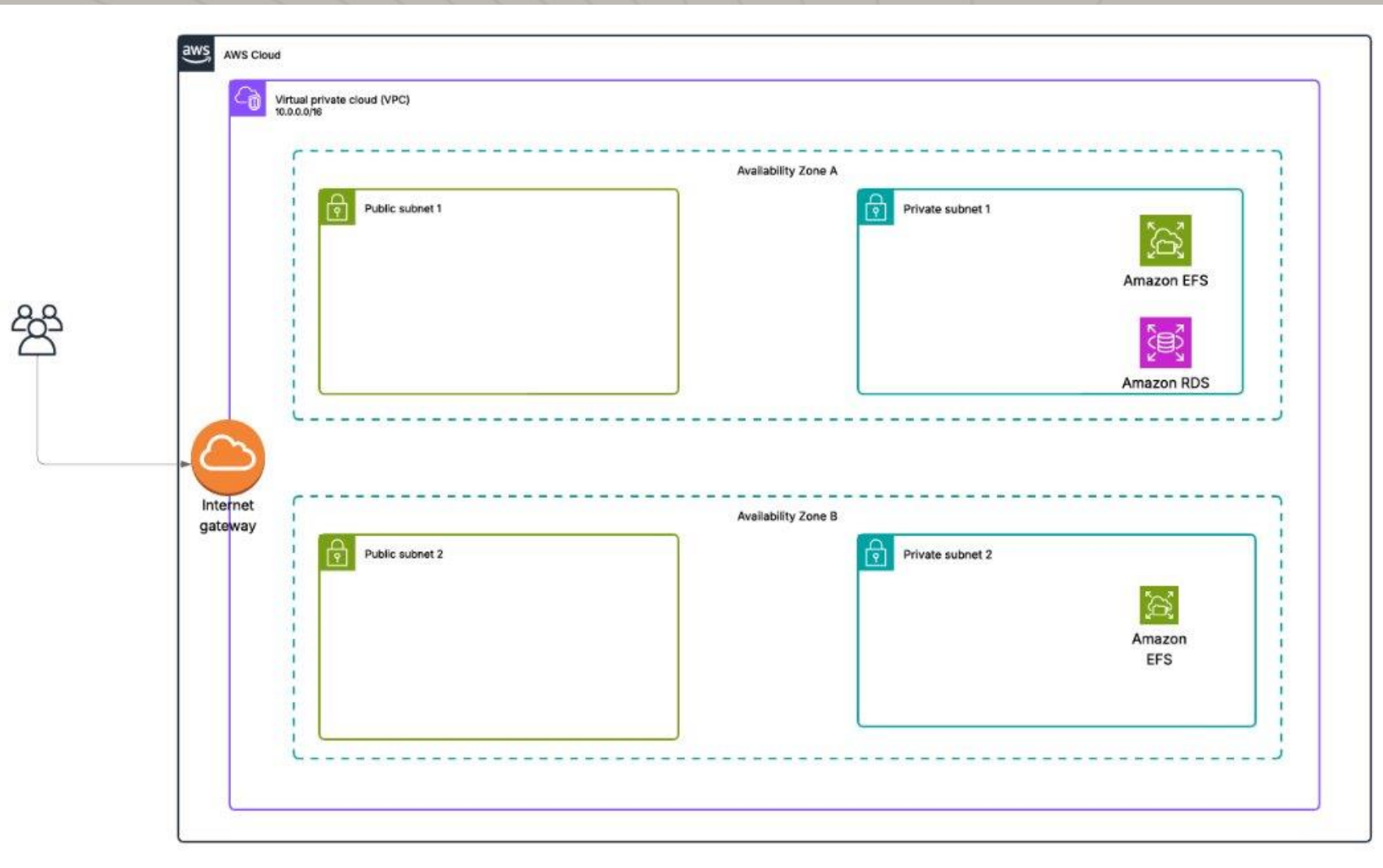
Fundamentos de redes!

Sub-redes;

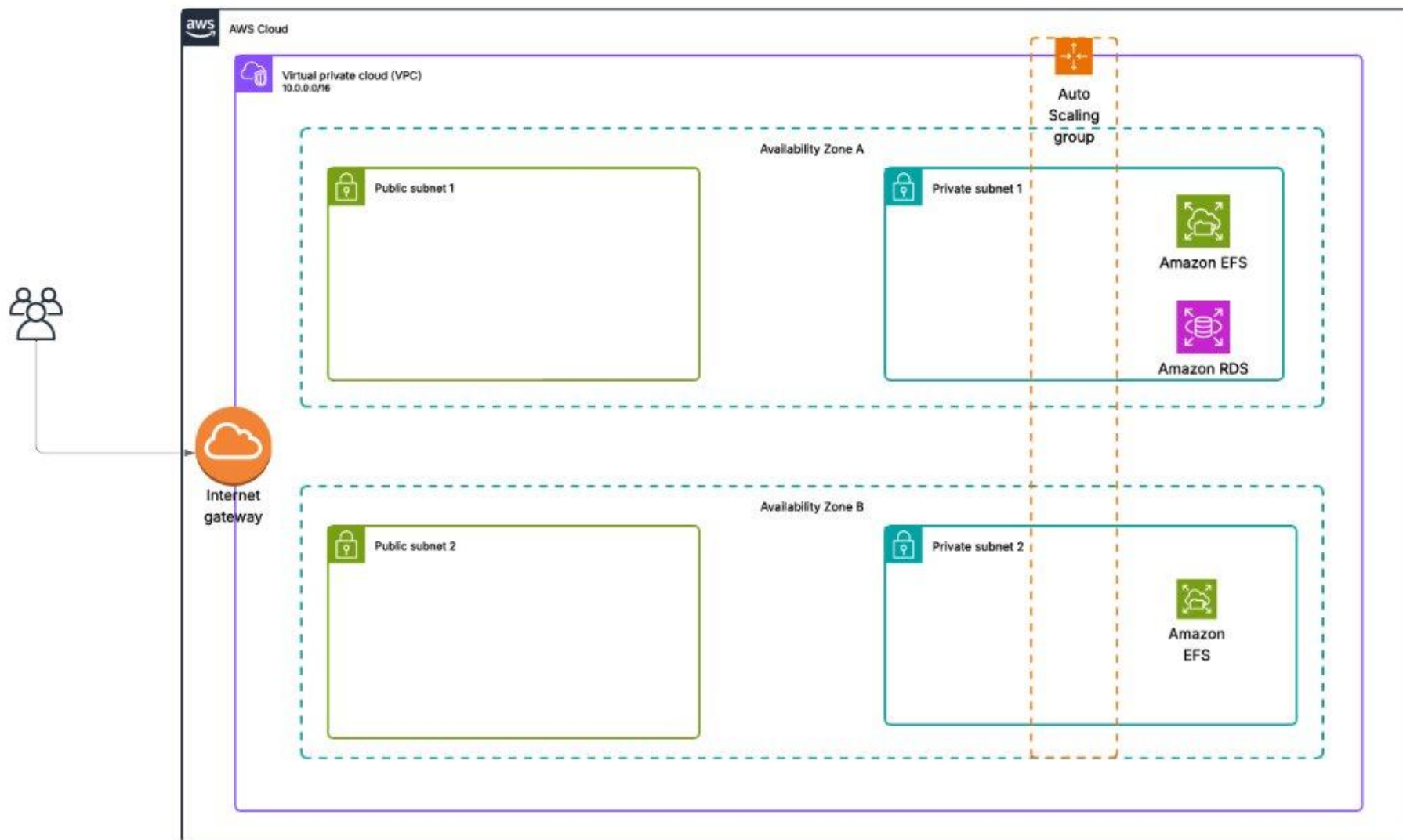
Relational Database - RDS



Elastic File System - EFS



Auto Scaling Group - ASG



Diferencial da nuvem:

Elasticidade;
Sob demanda;

```
#!/bin/bash

sudo yum update -y
sudo yum install docker -y
sudo systemctl start docker
sudo systemctl enable docker
sudo usermod -aG docker ec2-user

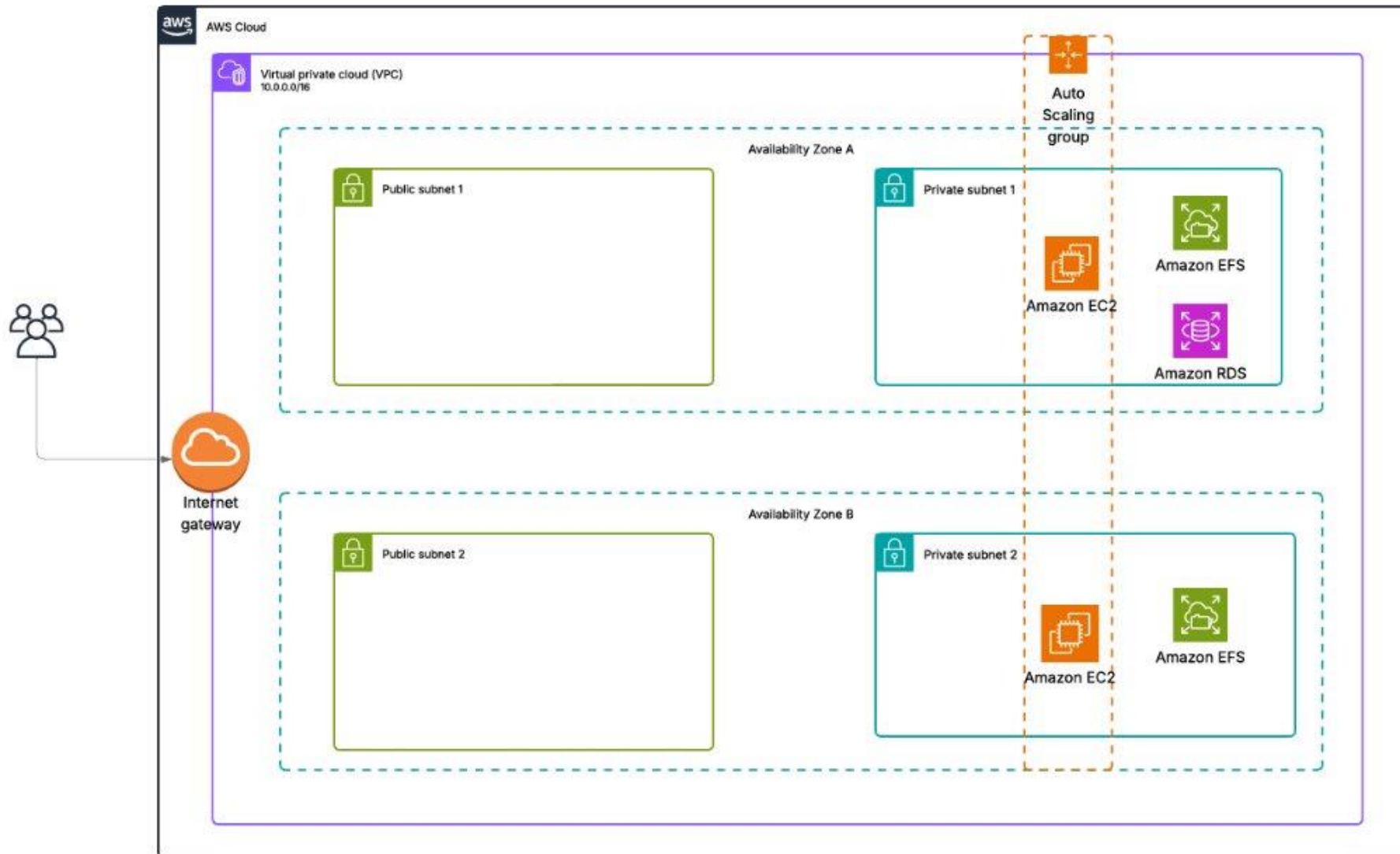
sudo curl -L "https://github.com/docker/compose/releases/latest/download/docker-compose-$(uname -s)-$(uname -m)" -o /usr/local/bin/docker-compose
sudo chmod +x /usr/local/bin/docker-compose

sudo yum install nfs-utils amazon-efs-utils -y
sudo mkdir -p /mnt/efs/wordpress
sudo chmod +rwx /mnt/efs/wordpress
echo "<efsID>:/mnt/efs efs _netdev,tls 0 0" | sudo tee -a /etc/fstab
sudo mount -a

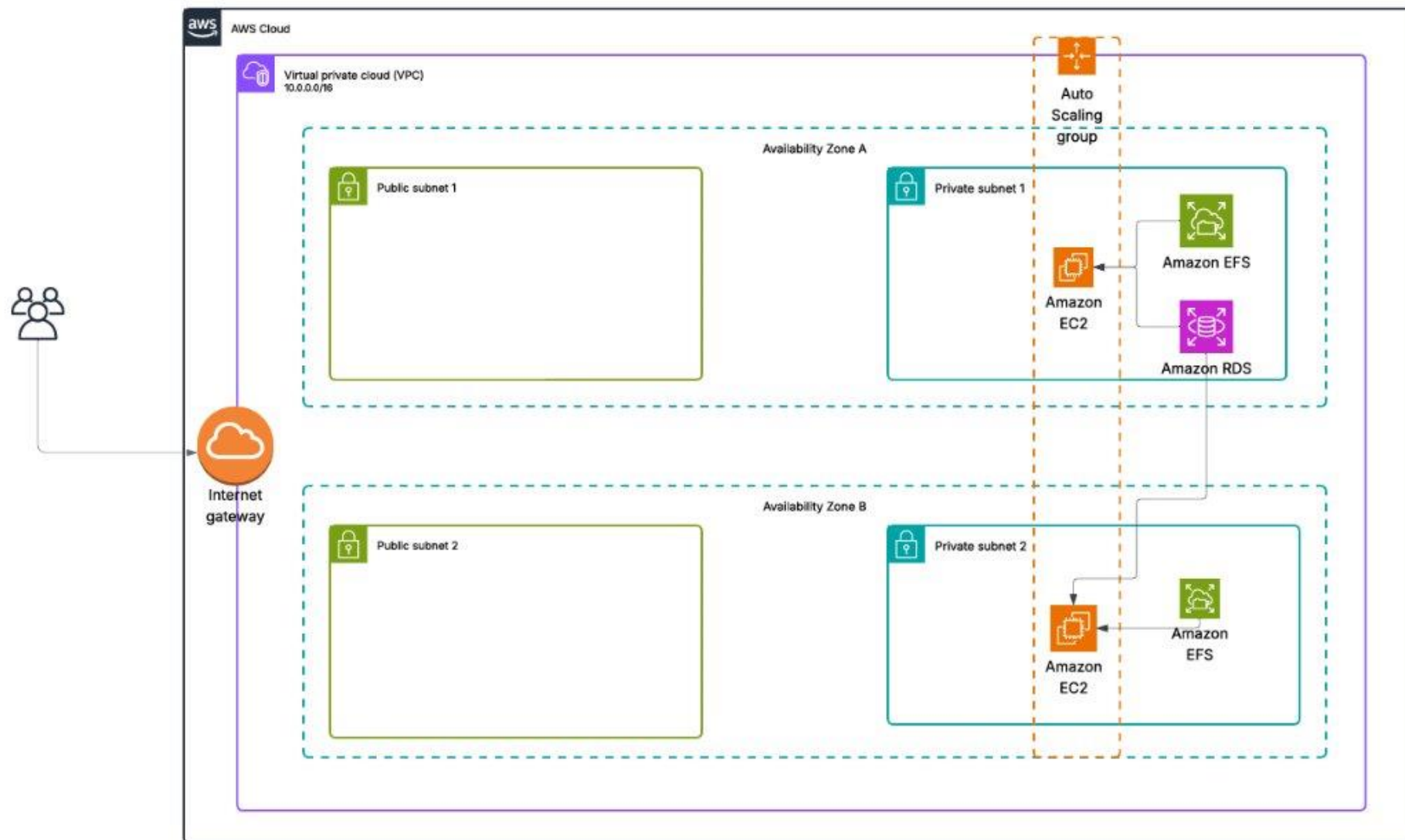
mkdir -p /home/ec2-user/wordpress
cat <<EOF > /home/ec2-user/wordpress/docker-compose.yml
services:
  wordpress:
    image: wordpress
    volumes:
      - /mnt/efs/wordpress:/var/www/html
    restart: always
    ports:
      - "80:80"
    environment:
      WORDPRESS_DB_HOST: <database endpoint>
      WORDPRESS_DB_USER: <master user>
      WORDPRESS_DB_PASSWORD: <master password>
      WORDPRESS_DB_NAME: <initial database name>
EOF

cd /home/ec2-user/wordpress
sudo /usr/local/bin/docker-compose up -d
```

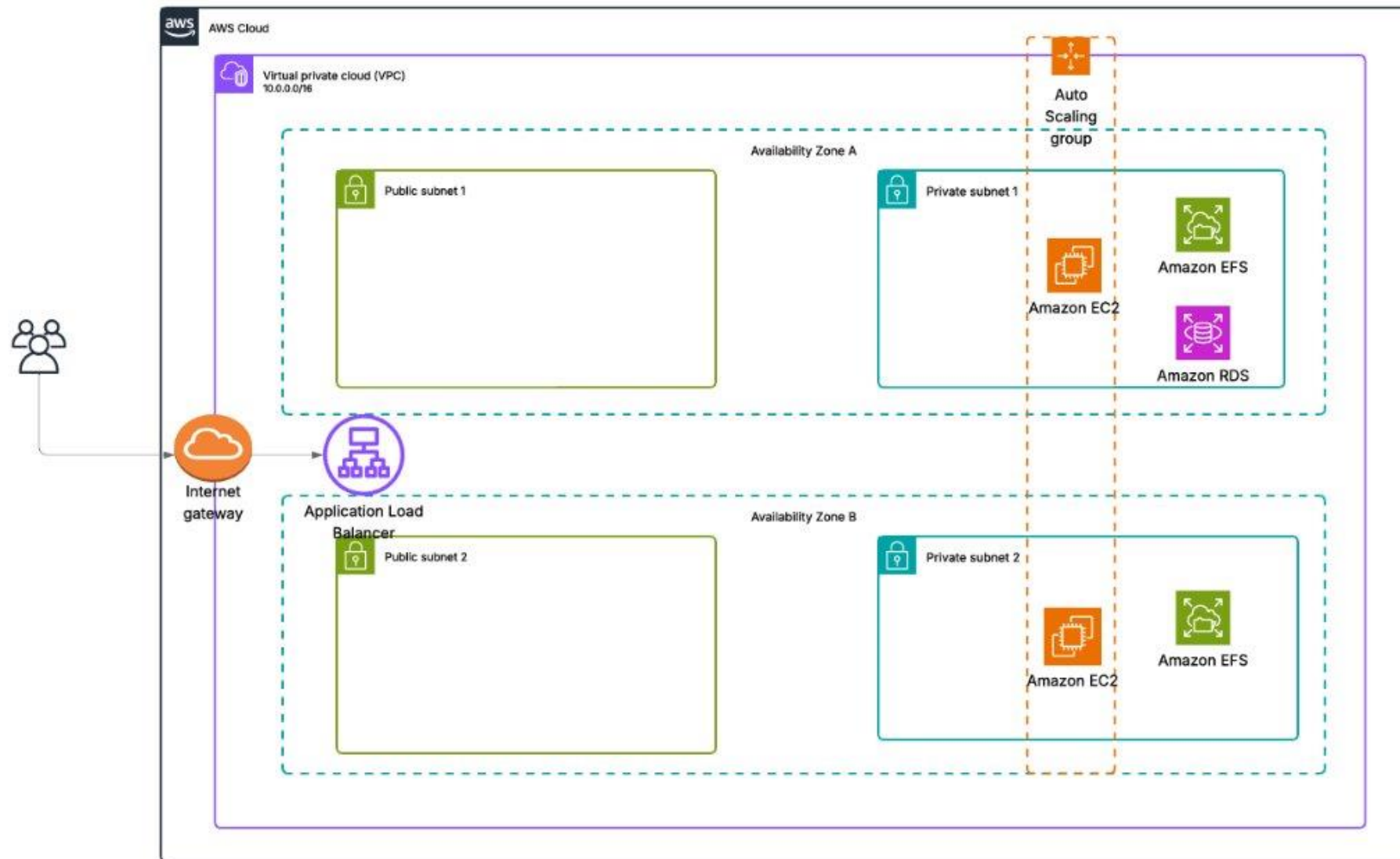
EC2 Instances



EC2 Instances

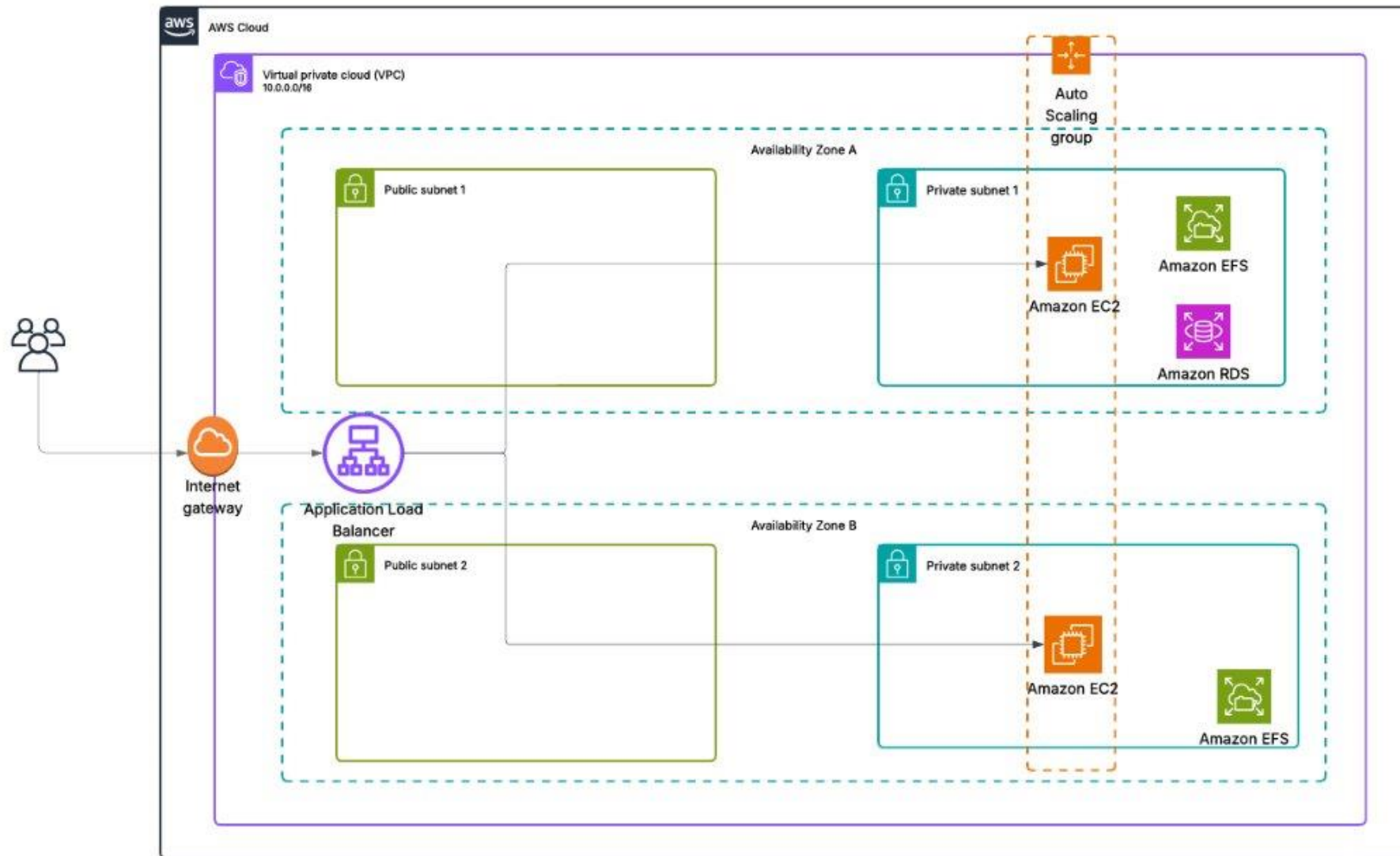


Elastic Load Balancer - ELB

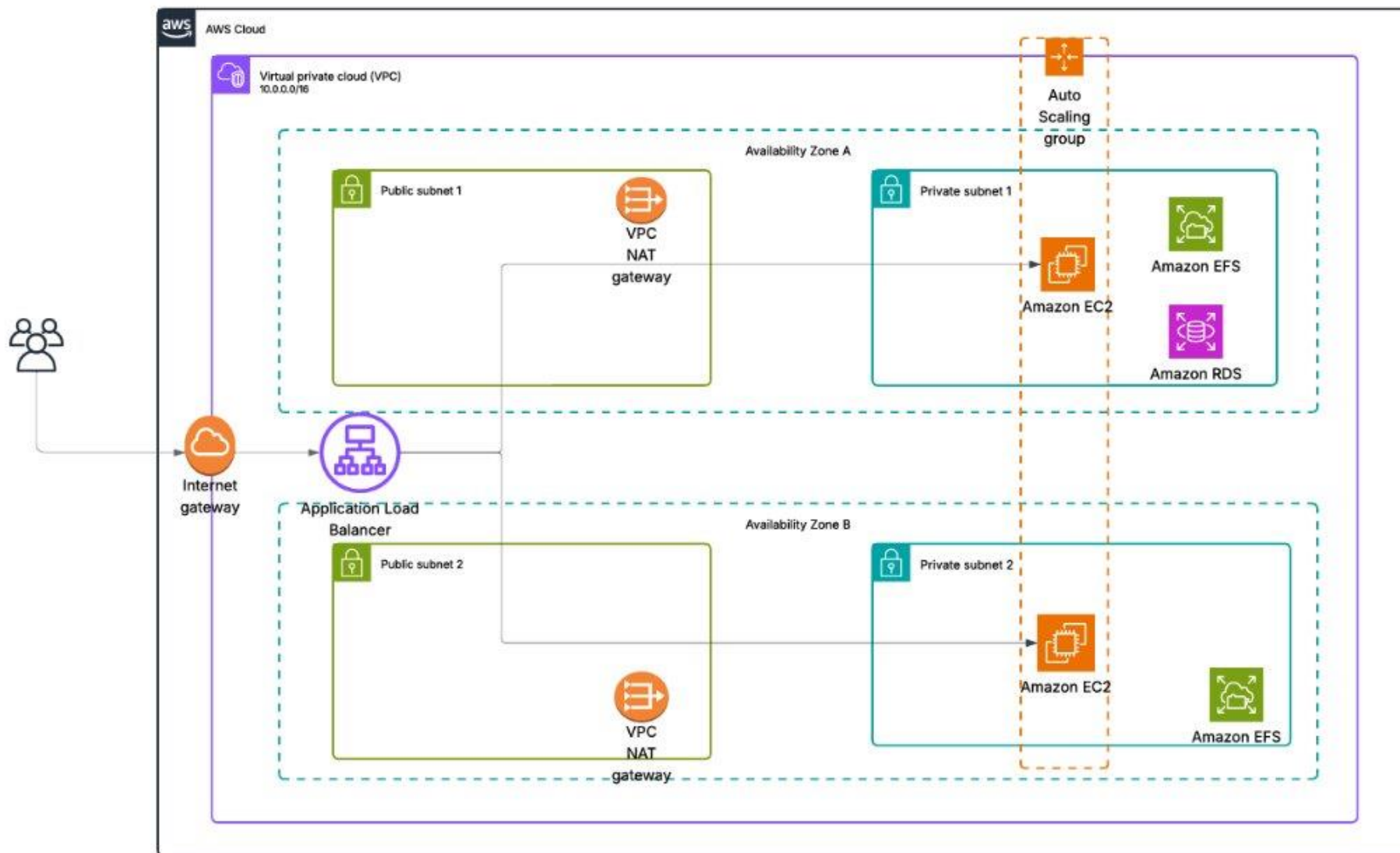


Alta Disponibilidade;
Confiabilidade;

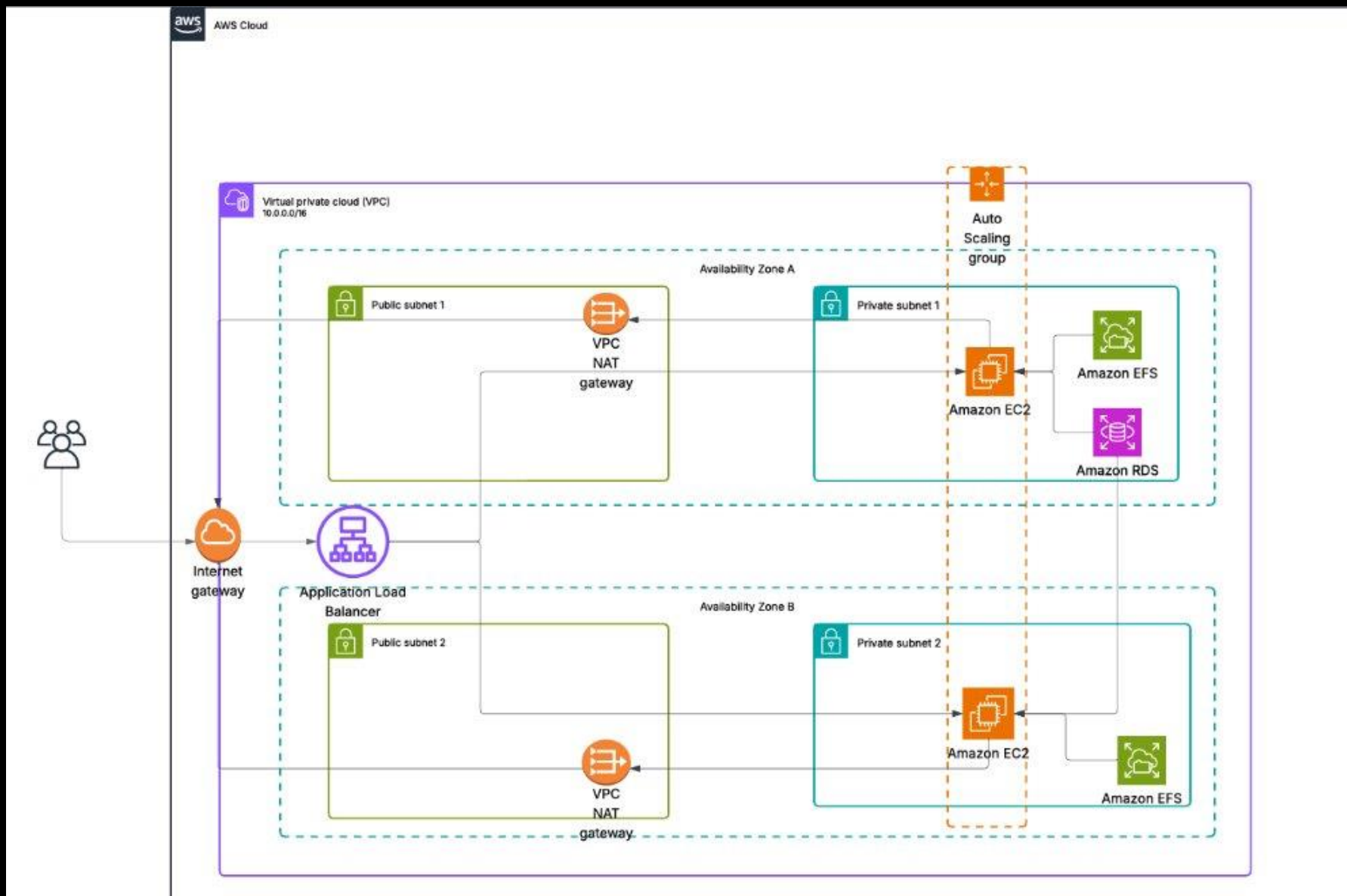
Elastic Load Balancer - ELB



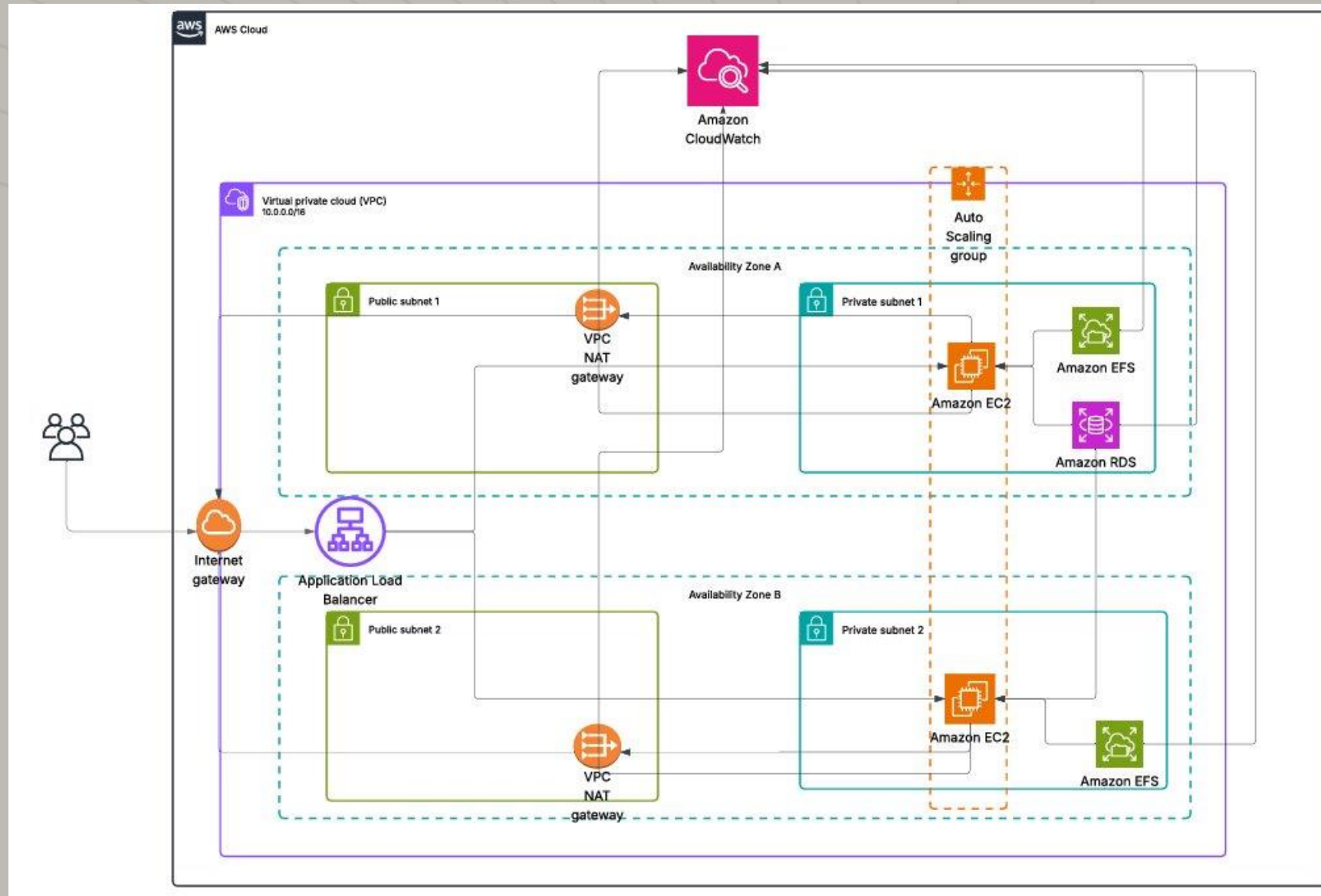
NAT Gateway



NAT Gateway



CloudWatch



Coleta de métricas;
Monitoramento;

Site no ar!



English (United States)

Afrikaans

አማርኛ

Aragonés

العربية

العربية المغربية

অসমীয়া

گۆنئی آذربایجان

Azərbaycan dili

Беларуская мова

Български

বাংলা

བོད་སྐད་

Bosanski

Català

Cebuano

Čeština

Cymraeg

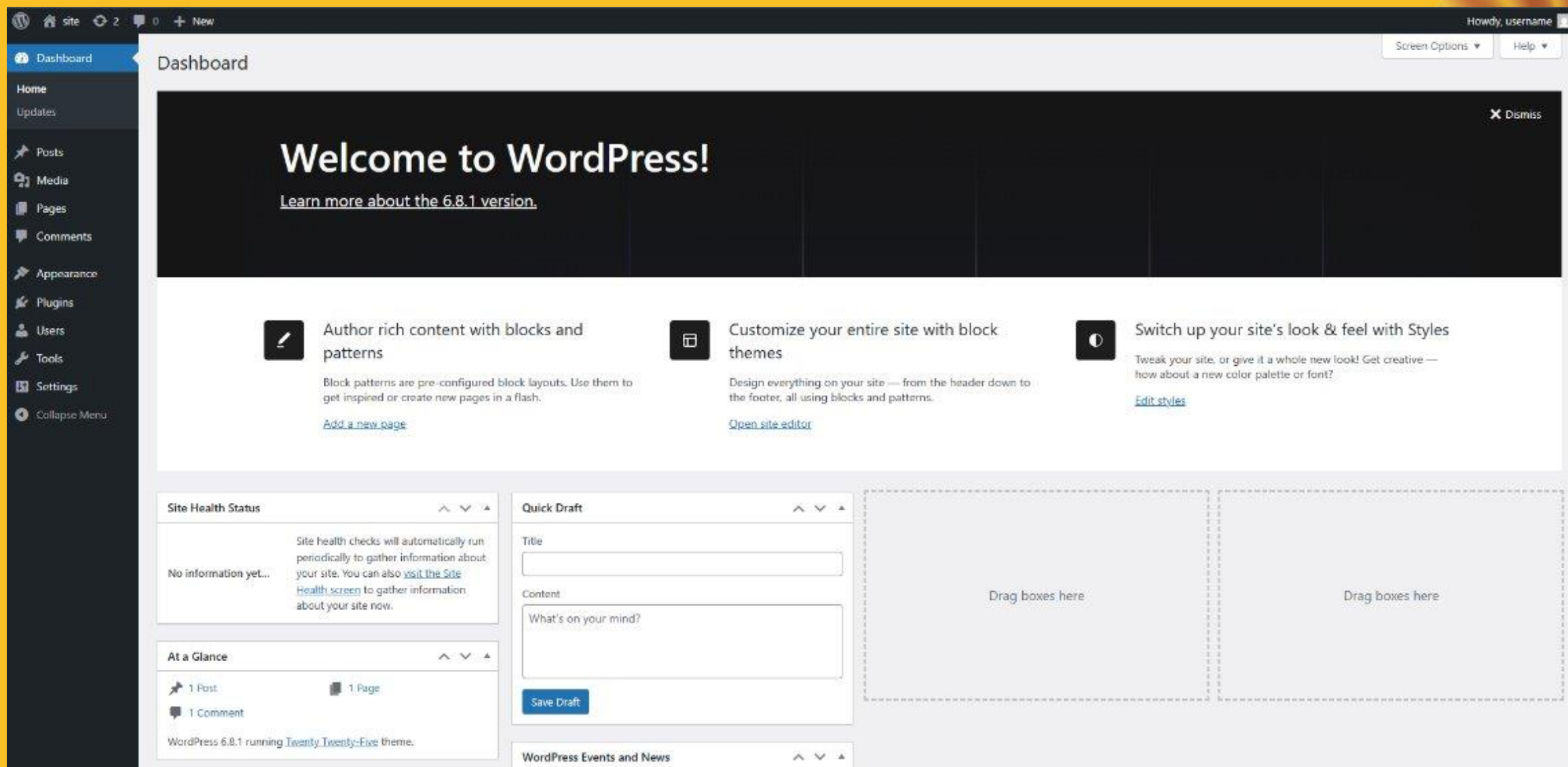
Dansk

Deutsch (Schweiz)

Deutsch (Schweiz, Du)

Deutsch (Österreich)

Continue



The screenshot shows the WordPress 6.8.1 Dashboard. The top navigation bar includes a home icon, 'site', a refresh icon, a notification bell with '2' and '0', a '+ New' button, and a user profile 'Howdy, username'. The left sidebar contains links to Dashboard, Home, Updates, Posts, Media, Pages, Comments, Appearance, Plugins, Users, Tools, Settings, and Collapse Menu. The main content area features a large 'Welcome to WordPress!' banner with a link to 'Learn more about the 6.8.1 version.' Below the banner are three cards: 'Author rich content with blocks and patterns' (with a link to 'Add a new page'), 'Customize your entire site with block themes' (with a link to 'Open site editor'), and 'Switch up your site's look & feel with Styles' (with a link to 'Edit styles'). The bottom section includes a 'Site Health Status' box, a 'Quick Draft' box with fields for Title and Content, and a 'Wordpress Events and News' box. The 'At a Glance' section shows 1 Post, 1 Page, and 1 Comment, and mentions 'WordPress 6.8.1 running Twenty Twenty-Five theme.'

Dashboard

Welcome to WordPress!

[Learn more about the 6.8.1 version.](#)

Author rich content with blocks and patterns
Block patterns are pre-configured block layouts. Use them to get inspired or create new pages in a flash.
[Add a new page](#)

Customize your entire site with block themes
Design everything on your site — from the header down to the footer, all using blocks and patterns.
[Open site editor](#)

Switch up your site's look & feel with Styles
Tweak your site, or give it a whole new look! Get creative — how about a new color palette or font?
[Edit styles](#)

Site Health Status
No information yet...
Site health checks will automatically run periodically to gather information about your site. You can also [visit the Site Health screen](#) to gather information about your site now.

At a Glance
1 Post
1 Page
1 Comment
WordPress 6.8.1 running [Twenty Twenty-Five](#) theme.

Quick Draft
Title
Content
What's on your mind?
[Save Draft](#)

Wordpress Events and News

CloudWatch Alarms

☐

[TargetTracking-asg-PB-AlarmHigh-f4f8d683-582f-4e90-acbd-d76df561db02](#)

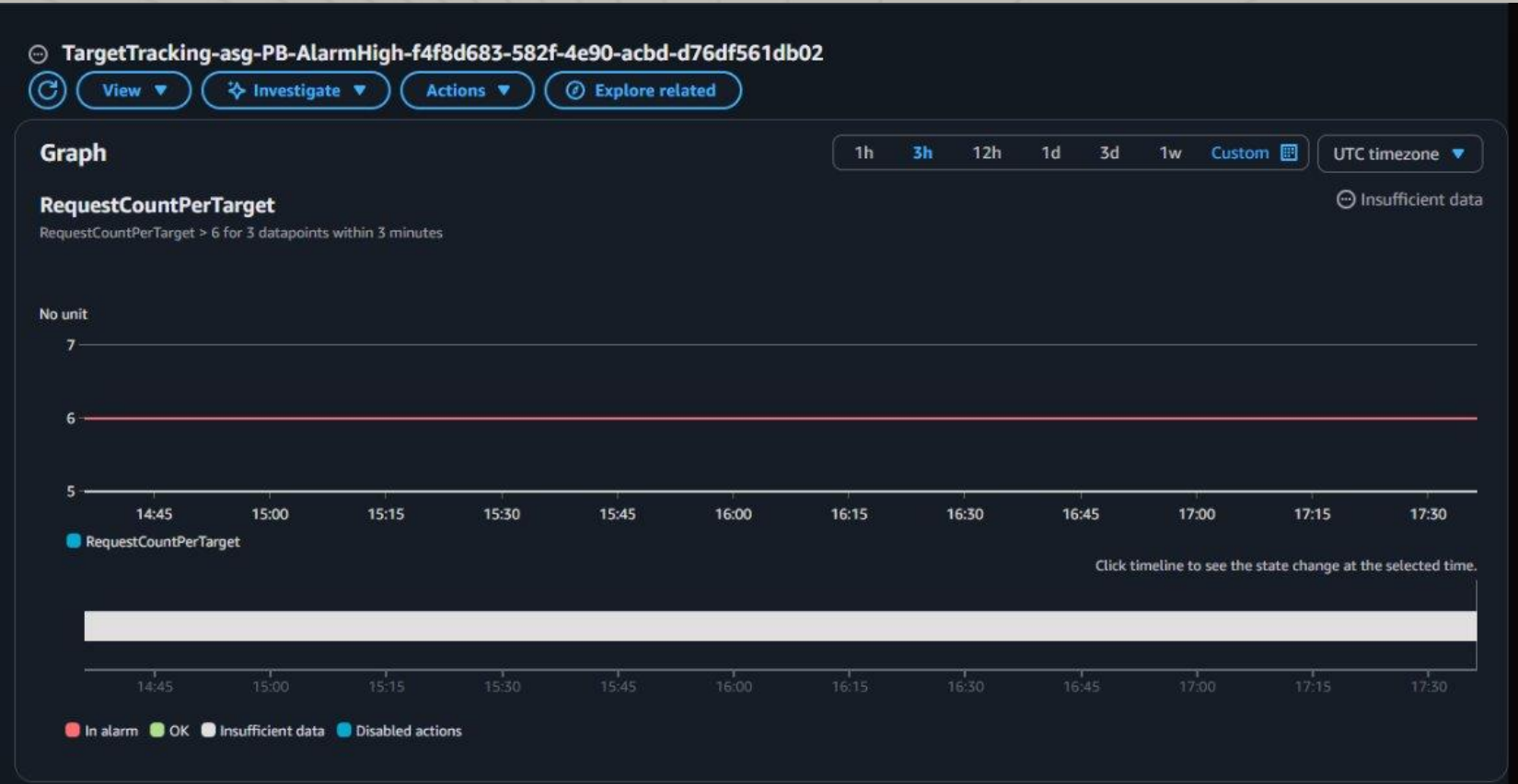
⋮

Insufficient data

2025-06-06 20:31:17

RequestCountPerTarget > 6 for 3 datapoints within 3 minutes

✔ Actions enabled



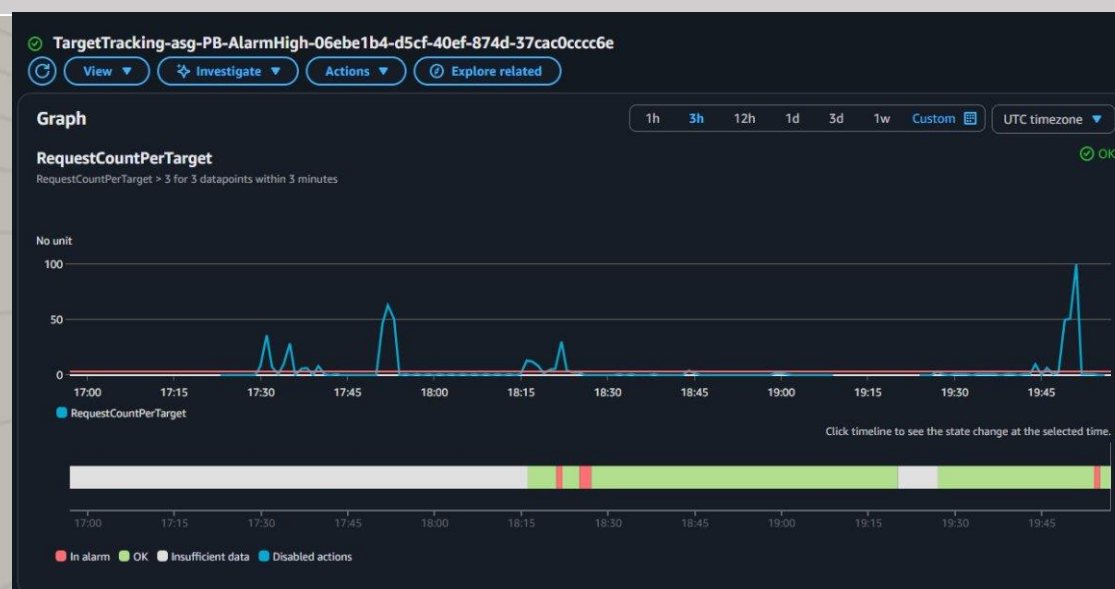
CloudWatch Alarms

Instances (2) Info Last updated 2 minutes ago Connect Instance state Actions Launch instances

Find Instance by attribute or tag (case-sensitive) Running

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elast
<input type="checkbox"/>	PB - ABR 2025	i-057a003da5d3d56f8	Running	t2.micro	2/2 checks passec	View alarms +	us-east-1b	ec2-54-89-146-154.co...	54.89.146.154	-
<input type="checkbox"/>	PB - ABR 2025	i-03cc5c00eadb3d0c5	Running	t2.micro	2/2 checks passec	View alarms +	us-east-1a	ec2-44-204-243-55.co...	44.204.243.55	-

```
while true; do ab -n 3000 -c 50 <http://dns_do_load_balancer/>; sleep 10; done
```



Instances (4) Info Last updated 7 minutes ago Connect Instance state Actions Launch instances

Find Instance by attribute or tag (case-sensitive) Running

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elast
<input type="checkbox"/>	PB - ABR 2025	i-057a003da5d3d56f8	Running	t2.micro	2/2 checks passec	View alarms +	us-east-1b	ec2-54-89-146-154.co...	54.89.146.154	-
<input type="checkbox"/>	PB - ABR 2025	i-02e55b2f14e71e2	Running	t2.micro	2/2 checks passec	View alarms +	us-east-1b	ec2-3-82-245-12.comp...	3.82.245.12	-
<input type="checkbox"/>	PB - ABR 2025	i-00a291445ff17ed0	Running	t2.micro	2/2 checks passec	View alarms +	us-east-1a	ec2-3-237-174-215.co...	3.237.174.215	-
<input type="checkbox"/>	PB - ABR 2025	i-03cc5c00eadb3d0c5	Running	t2.micro	2/2 checks passec	View alarms +	us-east-1a	ec2-44-204-243-55.co...	44.204.243.55	-

compass.uol

AI R

Agentic AI
Software
Engineering