

TRABAJO FINAL DE AWS

1. Cloud Formation

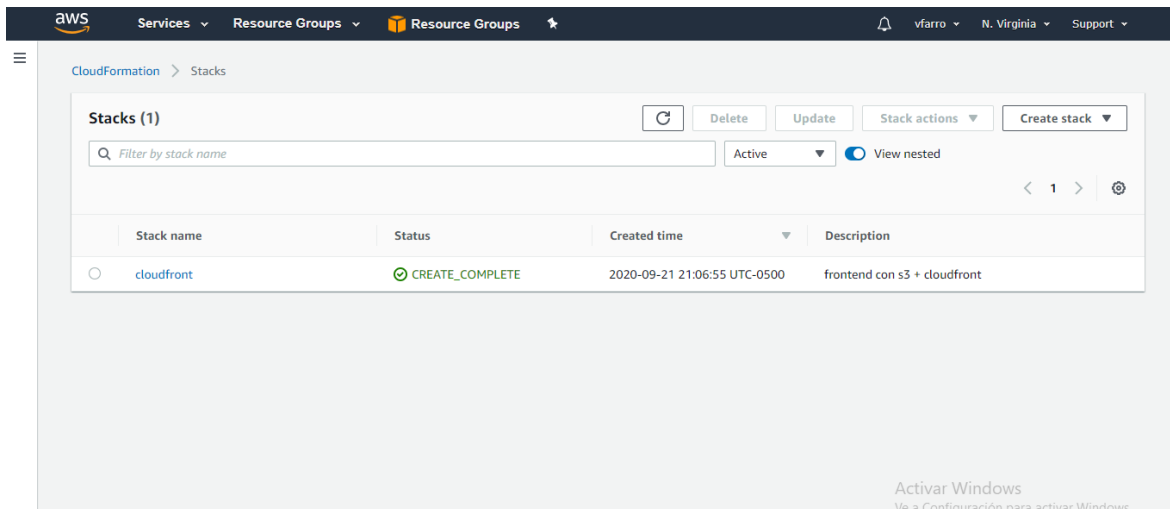
Archivos

Recurso	Código
VPC	1-vpc_VF.yaml 1-parametros_vpc_VF.json
Security group	2-security-groups_VF.json
RDS	3-rds_VF.yaml
Cognito	4-cognito_VF.json 4-parametros_cognito_VF.json
ALB	5-balanceador_VF.json
API GATEWAY	6-apigateway_VF 6-parametros_apigateway_VF.json apiGatewayWithAWS_VF.json
ECS	7-ecs_VF.json
CLOUDFRONT	8-cloudfront_VF.json

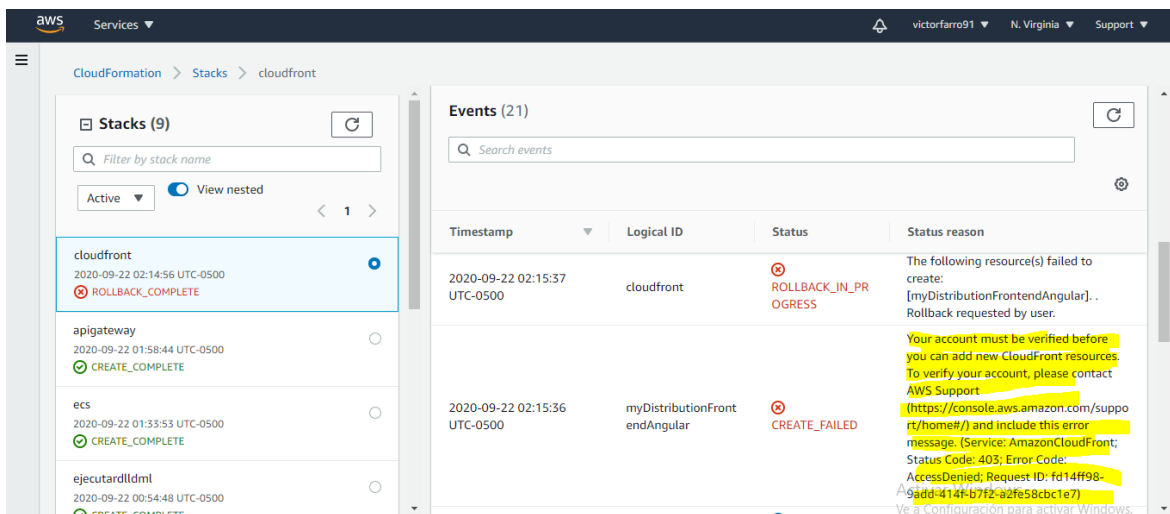
Despliegues

The screenshot shows the AWS CloudFormation console interface. At the top, there's a navigation bar with the AWS logo, 'Services' dropdown, and user information (victorfarro91, N. Virginia, Support). Below the navigation bar, there's a 'Stacks (9)' section with a search bar, filters (Active, View nested), and a table of stacks. The table has columns for Stack name, Status, Created time, and Description. The 'cloudfront' stack is highlighted in blue and has a status of 'DELETE_IN_PROGRESS'. All other stacks have a status of 'CREATE_COMPLETE'.

Stack name	Status	Created time	Description
cloudfront	DELETE_IN_PROGRESS	2020-09-22 02:14:56 UTC-0500	frontend con s3 + cloudfront
apigateway	CREATE_COMPLETE	2020-09-22 01:58:44 UTC-0500	ApiGateway para balanceador app
ecs	CREATE_COMPLETE	2020-09-22 01:33:53 UTC-0500	ECS + Docker
ejecutardlml	CREATE_COMPLETE	2020-09-22 00:54:48 UTC-0500	Monolítico App
balanceador	CREATE_COMPLETE	2020-09-22 00:51:59 UTC-0500	Balanceador
cognito	CREATE_COMPLETE	2020-09-22 00:49:18 UTC-0500	Configuracion Pool de usuarios
basedatos	CREATE_COMPLETE	2020-09-22 00:43:31 UTC-0500	base datos RDS
firewall	CREATE_COMPLETE	2020-09-22 00:42:46 UTC-0500	Security Groups
vpc	CREATE_COMPLETE	2020-09-22 00:41:16 UTC-0500	infraestructura redes vpc



IMPORTANTE: Como se ven en las imágenes anteriores se han creado todos los recursos con mi cuenta **victorfarro91** de AWS excepto el **Cloud Front** debido a que he tenido problemas para crear el recurso con esta cuenta, el mensaje de error que me muestra es:



El Cloud Front lo he creado con la cuenta **vfarro** de AWS, pero esto es indistinto debido a que al final si se puede conectar el Front End (cuenta **vfarro**) con el Backend (cuenta **victorfarro91**).

2. Pantallazos de Configuración

VPC

The screenshot shows the AWS VPC console interface. On the left, there is a navigation menu with options like 'New VPC Experience', 'VPC Dashboard', and 'VIRTUAL PRIVATE CLOUD'. The main content area is titled 'Your VPCs (2)' and contains a table with the following data:

Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR
-	vpc-27cd365a	Available	172.31.0.0/16	-
vpcCurso	vpc-0c62cb9a2c54c0950	Available	10.0.0.0/16	-

Below the table, there is a 'Select a VPC above' prompt and a 'Create VPC' button. The footer of the console shows the AWS logo, 'Services', and user information.

Subnets

The screenshot shows the AWS Subnets console interface. On the left, there is a navigation menu with options like 'New VPC Experience', 'VPC Dashboard', and 'VIRTUAL PRIVATE CLOUD'. The main content area is titled 'Create subnet' and contains a table with the following data:

Name	Subnet ID	State	VPC	IPv4 CIDR	Available IPv4	IPv6 CIDR	Av
subnet-009be44d	subnet-009be44d	available	vpc-27cd365a	172.31.16.0/20	4091	-	us-
redPublica1	subnet-012187653e35b8d3b	available	vpc-0c62cb9a2c54c0950 ...	10.0.1.0/24	248	-	us-
redPrivada2	subnet-04aae07061102b7cf	available	vpc-0c62cb9a2c54c0950 ...	10.0.200.0/24	250	-	us-
redPrivada1	subnet-06ab4d5e5c620fa14	available	vpc-0c62cb9a2c54c0950 ...	10.0.100.0/24	251	-	us-
redPublica2	subnet-0882f9bb2d2f9a66a	available	vpc-0c62cb9a2c54c0950 ...	10.0.2.0/24	248	-	us-
subnet-2b77df74	subnet-2b77df74	available	vpc-27cd365a	172.31.32.0/20	4091	-	us-
subnet-3dd1641c	subnet-3dd1641c	available	vpc-27cd365a	172.31.80.0/20	4091	-	us-
subnet-697ed10f	subnet-697ed10f	available	vpc-27cd365a	172.31.0.0/20	4091	-	us-
subnet-6afd9c64	subnet-6afd9c64	available	vpc-27cd365a	172.31.64.0/20	4091	-	us-
subnet-bdf2008c	subnet-bdf2008c	available	vpc-27cd365a	172.31.48.0/20	4091	-	us-

Below the table, there is a 'Create subnet' button and a 'Select a VPC above' prompt. The footer of the console shows the AWS logo, 'Services', and user information.

Route Tables

aws Services victorfarro91 N. Virginia Support

New VPC Experience Tell us what you think

Filter by VPC: Select a VPC

VIRTUAL PRIVATE CLOUD

- Your VPCs New
- Subnets
- Route Tables**
- Internet Gateways New
- Egress Only Internet Gateways New
- Carrier Gateways New
- DHCP Options Sets New
- Elastic IPs New
- Managed Prefix Lists New
- Endpoints
- Endpoint Services

Create route table Actions

Filter by tags and attributes or search by keyword 1 to 4 of 4

<input type="checkbox"/>	Name	Route Table ID	Explicit subnet association	Edge associations	Main	VPC ID
<input type="checkbox"/>	publico	rtb-01422b6e5d2dd577e	2 subnets	-	No	vpc-0c62cb9a2c54c0950 ...
<input type="checkbox"/>		rtb-090de598cfeae8dd4	-	-	Yes	vpc-0c62cb9a2c54c0950 ...
<input type="checkbox"/>	privado	rtb-0dc282baebfc19f12	2 subnets	-	No	vpc-0c62cb9a2c54c0950 ...
<input type="checkbox"/>		rtb-8d783ef3	-	-	Yes	vpc-27cd365a

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Internet Gateway

aws Services victorfarro91 N. Virginia Support

New VPC Experience Tell us what you think

Filter by VPC: Select a VPC

VIRTUAL PRIVATE CLOUD

- Your VPCs New
- Subnets
- Route Tables
- Internet Gateways New**
- Egress Only Internet Gateways New
- Carrier Gateways New
- DHCP Options Sets New
- Elastic IPs New
- Managed Prefix Lists New
- Endpoints

Internet gateways (2) Info

Create internet gateway

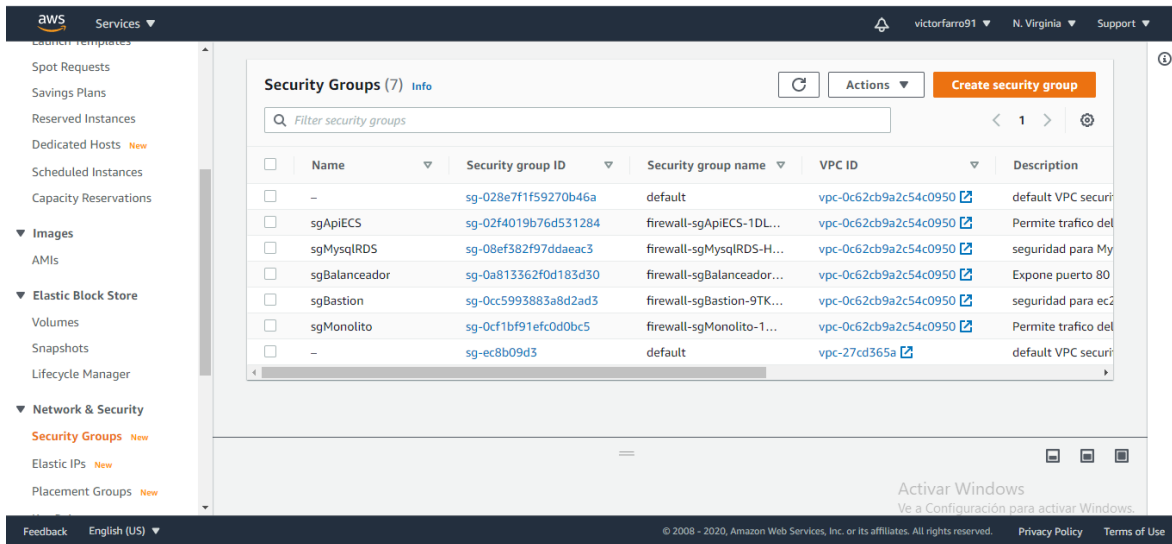
Filter internet gateways 1

<input type="checkbox"/>	Name	Internet gateway ID	State	VPC ID
<input type="checkbox"/>	myIG	igw-0ccdd51b76e7cd18e	Attached	vpc-0c62cb9a2c54c0950 vpcCurso
<input type="checkbox"/>	-	igw-e1725c9a	Attached	vpc-27cd365a

Select an internet gateway above

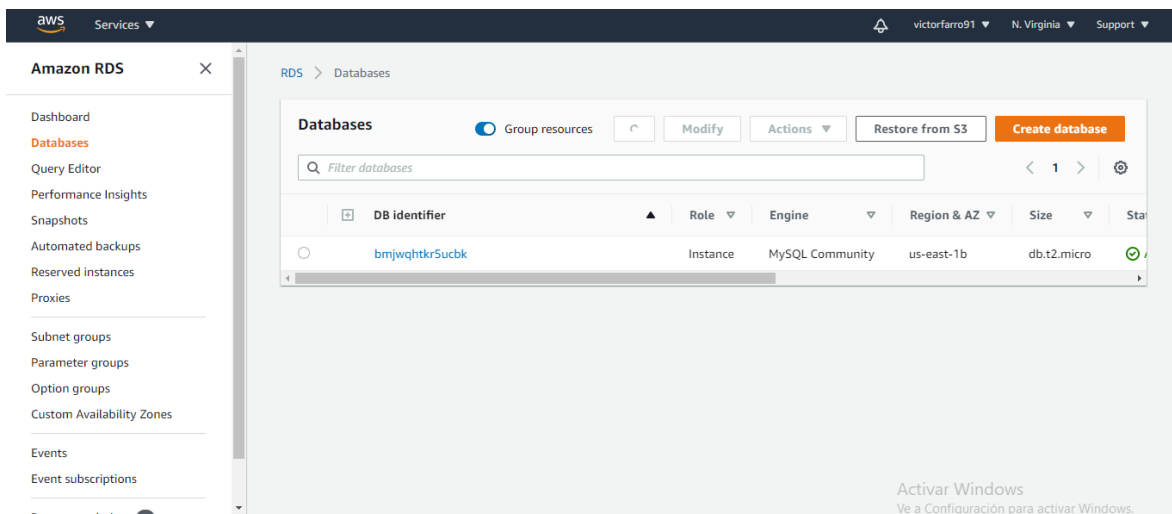
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Security group



RDS

Databases



Subnets group

aws Services

Amazon RDS

Dashboard
Databases
Query Editor
Performance Insights
Snapshots
Automated backups
Reserved instances
Proxies
Subnet groups
Parameter groups
Option groups
Custom Availability Zones
Events
Event subscriptions

RDS > Subnet groups

Subnet groups (1)

Filter subnet group

1

	Name	Description	Status	VPC
<input type="checkbox"/>	dbprivate	redes privadas	Complete	vpc-0c62cb9a2c54c0950

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COGNITO

aws Services

User Pools | Federated Identities

userPoolDummy2

Delete pool

General settings

Users and groups
Attributes
Policies
MFA and verifications
Advanced security
Message customizations
Tags
Devices
App clients
Triggers
Analytics
App integration
App client settings
Domain name
UI customization
Resource servers
Federation

Pool Id us-east-1_0y2OJaXwX

Pool ARN am:aws:cognito-idp:us-east-1:943184735142:userpool/us-east-1_0y2OJaXwX

Estimated number of users 2

Required attributes none

Alias attributes none

Username attributes none

Enable case insensitivity? No

Custom attributes Choose custom attributes...

Minimum password length 6

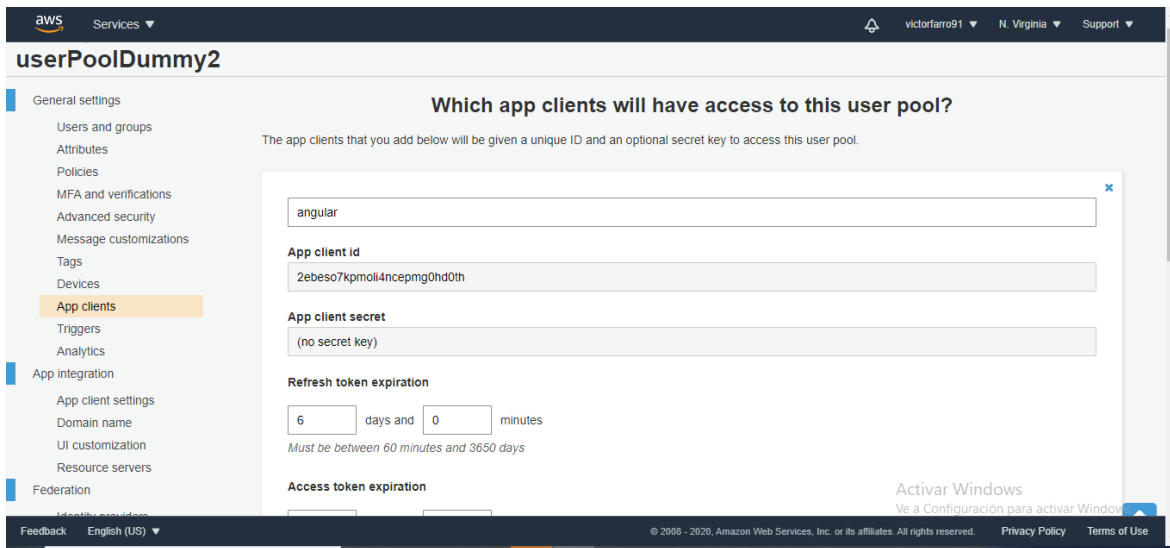
Password policy no requirements

User sign ups allowed? Only administrators can create users

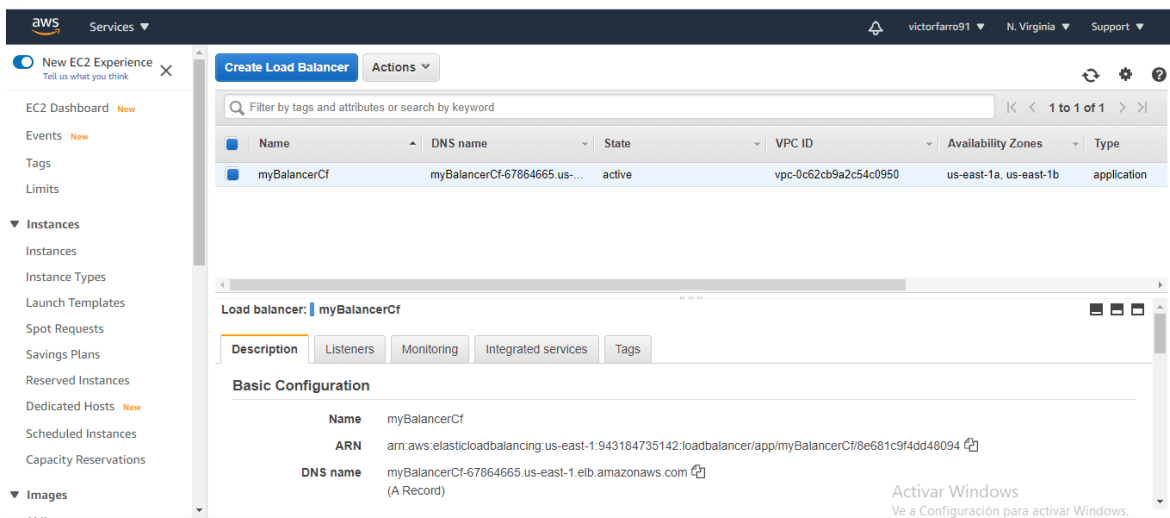
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BALANCEADOR



aws

Services

🔔

victorfarro91

N. Virginia

Support

New EC2 Experience

Tell us what you think

×

EC2 Dashboard

Events

Tags

Limits

Instances

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Scheduled Instances

Capacity Reservations

Images

Create Load Balancer

Actions

Filter by tags and attributes or search by keyword

< 1 to 1 of 1 >

Name	DNS name	State	VPC ID	Availability Zones	Type
myBalancerCf	myBalancerCf-67864665-us-...	active	vpc-0c62cb9a2c54c0950	us-east-1a, us-east-1b	application

Basic Configuration

Name	myBalancerCf
ARN	arn:aws:elasticloadbalancing:us-east-1:943184735142:loadbalancer/app/myBalancerCf:8e681c9f4dd48094
DNS name	myBalancerCf-67864665-us-east-1.elb.amazonaws.com
State	active
Type	application
Scheme	Internet-facing

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API GATEWAY

aws

Services

🔔

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N. Virginia

Support

API Gateway

×

APIs

Custom domain names

VPC links

APIs (1)

🔄

Actions

Create API

Find APIs

< 1 >

	Name	Description	ID	Protocol	Endpoint type	Created
○	Encuesta Api	API usada requests	byopv08ve9	REST	Edge	2020-09-22

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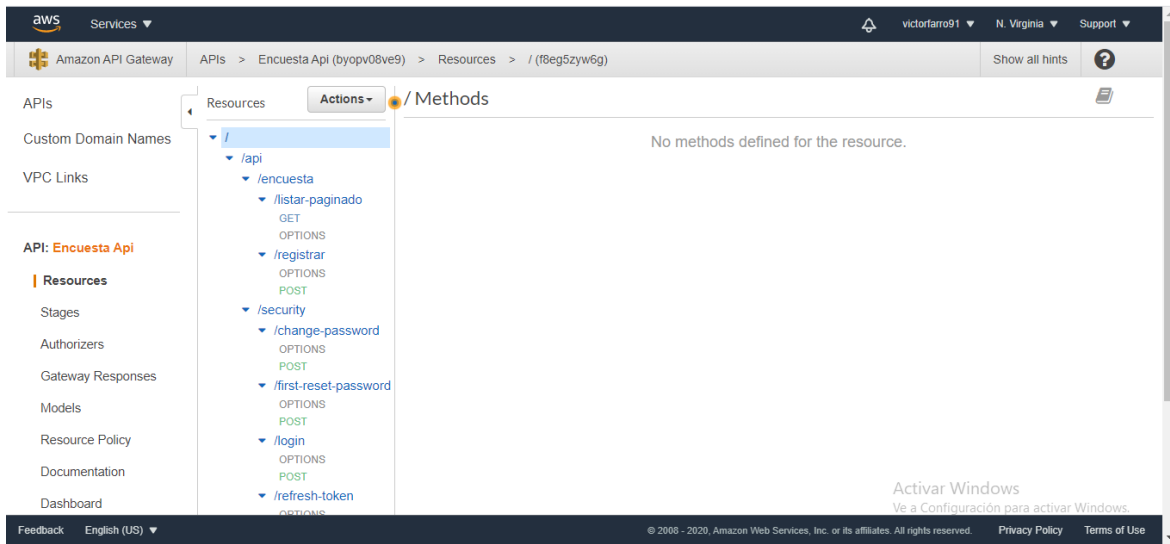
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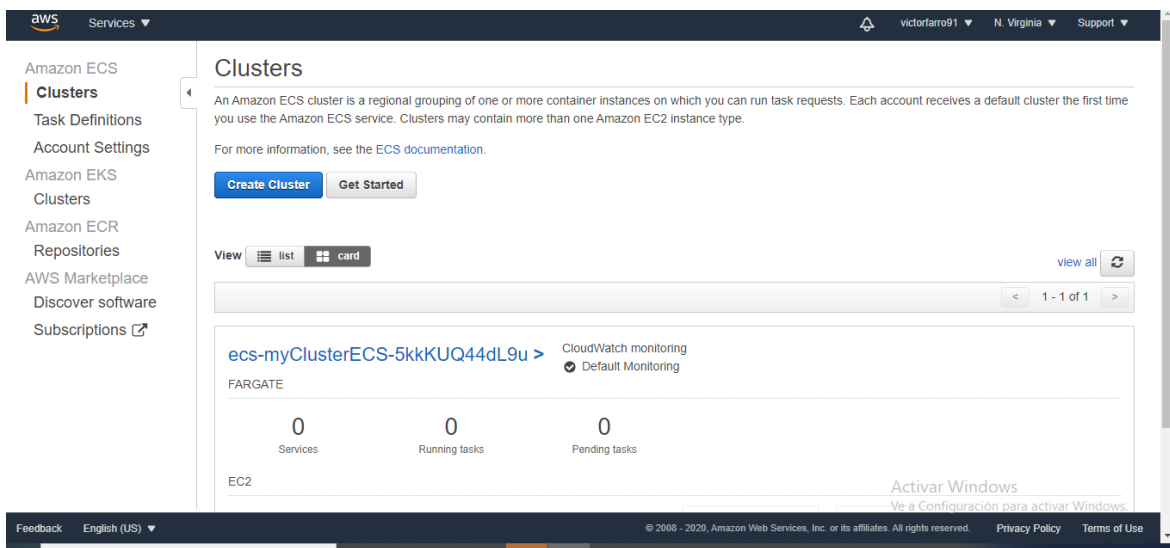
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ECS

Cluster



Task

aws

Services

Amazon ECS

Clusters

Task Definitions

Account Settings

Amazon EKS

Clusters

Amazon ECR

Repositories

AWS Marketplace

Discover software

Subscriptions

Task Definitions

Task definitions specify the container information for your application, such as how many containers are part of your task, what resources they will use, how they are linked together, and which host ports they will use. [Learn more](#)

Create new Task Definition

Create new revision

Actions

Last updated on September 22, 2020 3:10:29 AM (0m ago)

Status: **ACTIVE** INACTIVE

Filter in this page

< 1-1 > Page size 50

<input type="checkbox"/>	Task Definition	Latest revision status
<input type="checkbox"/>	ecs-apiSeguridad	ACTIVE

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aws

Services

Container Definitions

apiSegur... devvictor07/a... 0 --/374 true

Details

Port Mappings

Environment Variables

Mount Points

Volumes from

Ulimits

Elastic Inference

Container N...

Image

CPU Units

GPU

Inference Ac...

Hard/Soft memory limits (MiB)

Essential

Host Port

Container Port

Protocol

Key

Value/ValueFrom

Container Path

Source Volume

Read only

Source Container

Read only

Name

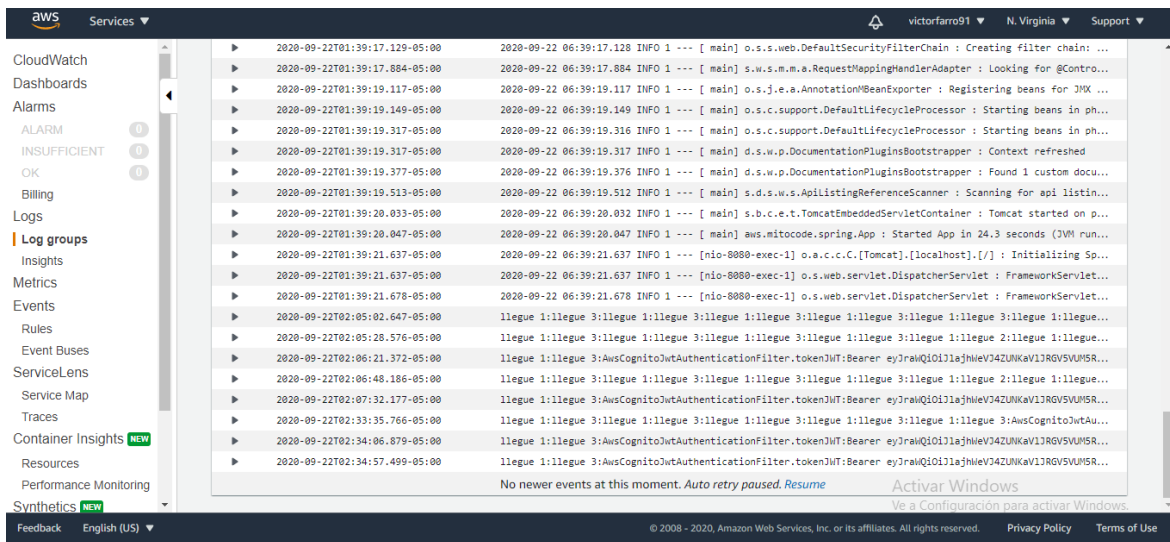
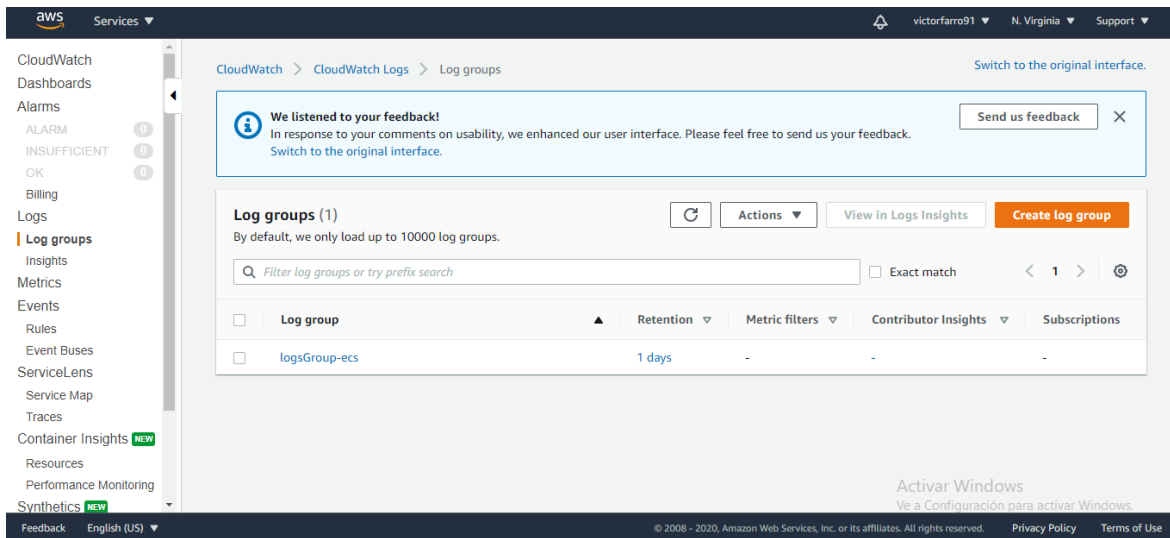
Soft limit

Hard limit

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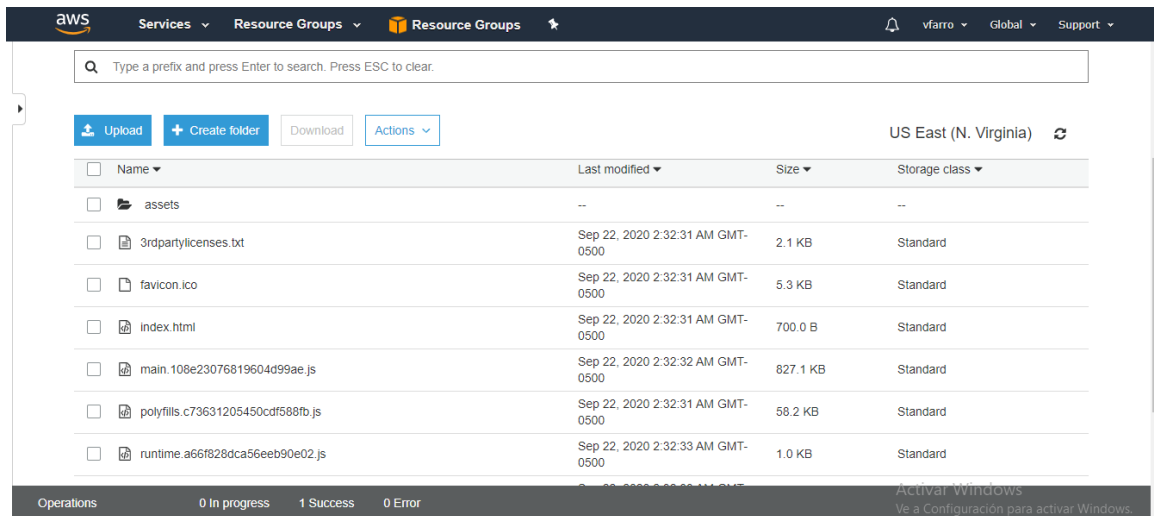
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Cloudwatch

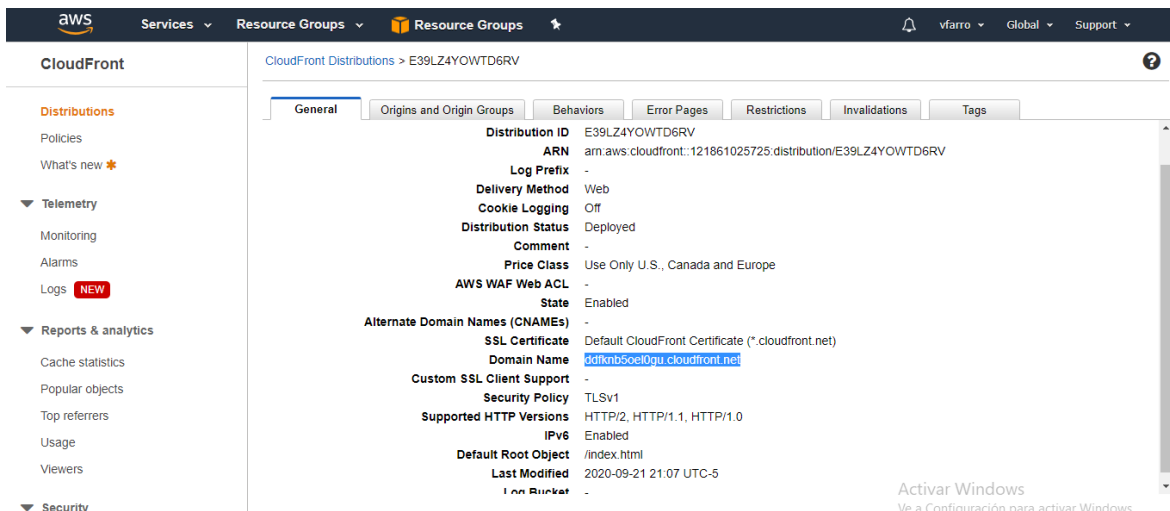


Cloud Front

Compilado de Front End (Angular) en S3



Distribución



ddfknb5oel0gu.cloudfront.net

3. Pantallas de la Aplicación en funcionamiento

URL de la aplicación

<https://ddfknb5oel0gu.cloudfront.net/>

Usuario	Contraseña	Rol
admin	123456	Administrador
quiz	123456	Encuestado

Flujo de Votación

Login usuario quiz

ddfknb5oel0gu.cloudfront.net/login

Android Arquitectura de Sof... Articulos Banca BPM Buenas practicas de... AWS Cloud Computing Redes Linux Linux Codificacion Contabilidad

Login App Frontend

Username *

quiz

Password *

Login

Activar Windows
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ddfknb5oel0gu.cloudfront.net/app/home

Android Arquitectura de Sof... Articulos Banca BPM Buenas practicas de... AWS Cloud Computing Redes Linux Linux Codificacion Contabilidad

Encuesta

Registrar Encuesta

Activar Windows
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Encuesta

Registro de encuesta

Registro de encuesta

Nombres *

Juan

Apellidos *

Caballero

Edad *

40

Profesión *

Analista

Lugar de Trabajo *

Lima

☒ JAVA ☐ C#

Votar

Activar Windows
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Encuesta

Registro de encuesta

Acerca De

Cerrar Sesión

Activar Windows
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Flujo del Administrador

