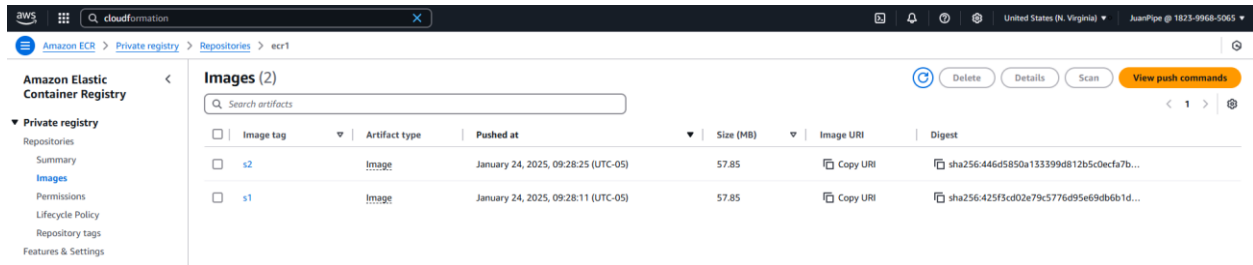


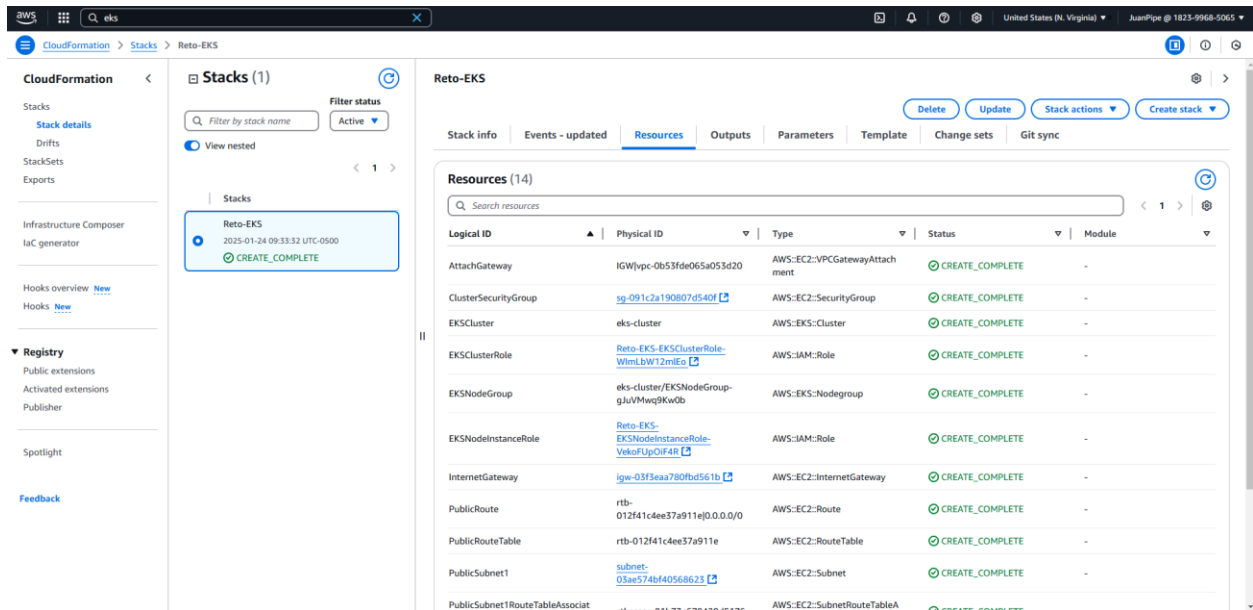
Evidencias de los resultados de la prueba técnica:

Infraestructura desplegada en AWS:

1) Repositorio ECR con las 2 imágenes:



2) Stack CloudFormation Desplegado:



3) Cluster EKS con los 2 deployments:

The screenshot shows the AWS EKS console for a cluster named 'eks-cluster'. The cluster is in an 'Active' state with Kubernetes version 1.31. The 'Resources' tab is selected, displaying a table of Workloads (Deployments).

Name	Namespace	Type	Age	Pod count	Status
coredns	kube-system	deployments	Created an hour ago	2	2 Ready 0 Failed 2 Desired
service-1	default	deployments	Created 54 minutes ago	1	1 Ready 0 Failed 1 Desired
service-2	default	deployments	Created 54 minutes ago	2	2 Ready 0 Failed 2 Desired

4) VPC con subnets y tablas de enrutamiento:

The screenshot shows the AWS VPC console for a VPC named 'vpc-0b53fde065a053d20 / eks-vpc'. The VPC is in an 'Available' state. The 'Resource map' tab is selected, displaying a diagram of the VPC resources.

Subnets (2)

- us-east-1a
 - public-subnet-1
- us-east-1b
 - public-subnet-2

Route tables (2)

- rtb-012f41c4ee37a911e
- rtb-045a1d555eda1dd7b

Network connections (1)

- igw-03f3eaa780fbd561b

Pruebas con Postman servicios expuestos:

- 1) Prueba servicio-1 (que por dentro se comunica con el servicio-2 de validación de token):

The screenshot shows a Postman interface for a POST request to `http://af529636947f84c2ea70c44bd99076e8-490164342.us-east-1.elb.amazonaws.com:8000/generate-token`. The request is successful with a status of 200 OK. The response body is displayed in JSON format:

```
{  "Response": "Valid token Agent 007, you accomplished the mission!",  "Token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJNaXNzaW9uIjoiaWVmfSawQgd69rZW4gQWdlbnQgMDA3LCB6b3UgVWJjb21wbG1zaGVKIHRoZSBtaXNzaW9uISIsImV4cCI6MTczNzczMDg8OX0. MKBNfqK3v91E1SRVCIWTD-VudOvkmEpMlE-P88YA"}
```

- 2) Prueba servicio-2, enviándole un token válido:

The screenshot shows a Postman interface for a POST request to `http://ac5492fb42abf4372bb1082d8bfc913f-1317130741.us-east-1.elb.amazonaws.com:8001/validate-token`. The request is successful with a status of 200 OK. The response body is displayed in JSON format:

```
{  "Mission": "Valid token Agent 007, you accomplished the mission!"}
```

3) Prueba del servicio 2, con token inválido:

The screenshot shows a POST request to `http://ac5492fb42abf4372bb1082d8bfc913f-1317130741.us-east-1.elb.amazonaws.com:8001/validate-token`. The request headers include `Postman-Token`, `Content-Length: 0`, `Host`, `User-Agent: PostmanRuntime/7.43.0`, `Accept: */*`, `Accept-Encoding: gzip, deflate, br`, `Connection: keep-alive`, and `Authorization: bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJNaXNzaW9uIjoiVmFsaWQgdG9rZW4gQWdlbnQgMDA3LCB5b3Ug...`. The response status is `401 Unauthorized` with a time of `109 ms` and size of `182 B`. The response body is `{"detail": "Invalid token, you shall not pass!"}`.

Key	Value
Postman-Token	<calculated when request is sent>
Content-Length	0
Host	<calculated when request is sent>
User-Agent	PostmanRuntime/7.43.0
Accept	*/*
Accept-Encoding	gzip, deflate, br
Connection	keep-alive
Authorization	bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJNaXNzaW9uIjoiVmFsaWQgdG9rZW4gQWdlbnQgMDA3LCB5b3Ug...

```
1 {"detail": "Invalid token, you shall not pass!"}
```

4) Prueba servicio-2 con token expirado (mayor a 5min):

The screenshot shows a POST request to `http://ac5492fb42abf4372bb1082d8bfc913f-1317130741.us-east-1.elb.amazonaws.com:8001/validate-token`. The request headers are identical to the previous screenshot. The response status is `401 Unauthorized` with a time of `112 ms` and size of `188 B`. The response body is `{"detail": "Token expired, >5min... Try again agent!"}`.

Key	Value
Postman-Token	<calculated when request is sent>
Content-Length	0
Host	<calculated when request is sent>
User-Agent	PostmanRuntime/7.43.0
Accept	*/*
Accept-Encoding	gzip, deflate, br
Connection	keep-alive
Authorization	bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJNaXNzaW9uIjoiVmFsaWQgdG9rZW4gQWdlbnQgMDA3LCB5b3Ug...

```
1 {"detail": "Token expired, >5min... Try again agent!"}
```