

# DESAFÍO COMPLEMENTARIO I

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Abordaje al servicio de Cloud9

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# INTRODUCCION

El presente informe tiene como finalidad la resolución del Desafío Complementario N°1 correspondiente al curso de Cloud Computing (AWS) de Coderhouse.

El mismo consiste en:

- Crear 1 instancia cloud9.
- Conectarse y probar su IDE.

## DESARROLLO

### Prompt

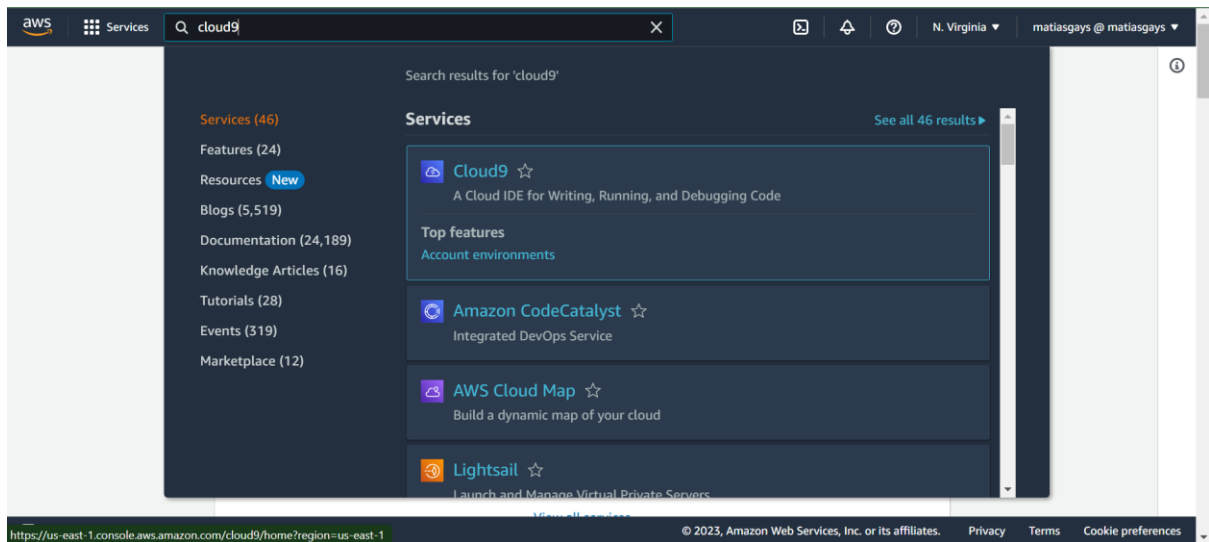
Para la resolución del ejercicio se utilizó AI. A continuación de muestra el prompt empleado:

```
{  
  "model": "gpt-3.5-turbo",  
  "message": {  
    "rol": "estudiante de AWS",  
    "contexto": "Crear 1 instancia cloud9 y conectarte y probar su IDE",  
    "pregunta": "detallar los pasos a seguir",  
    "resultado": "informe descriptivo indicando los pasos"  
  }  
}
```

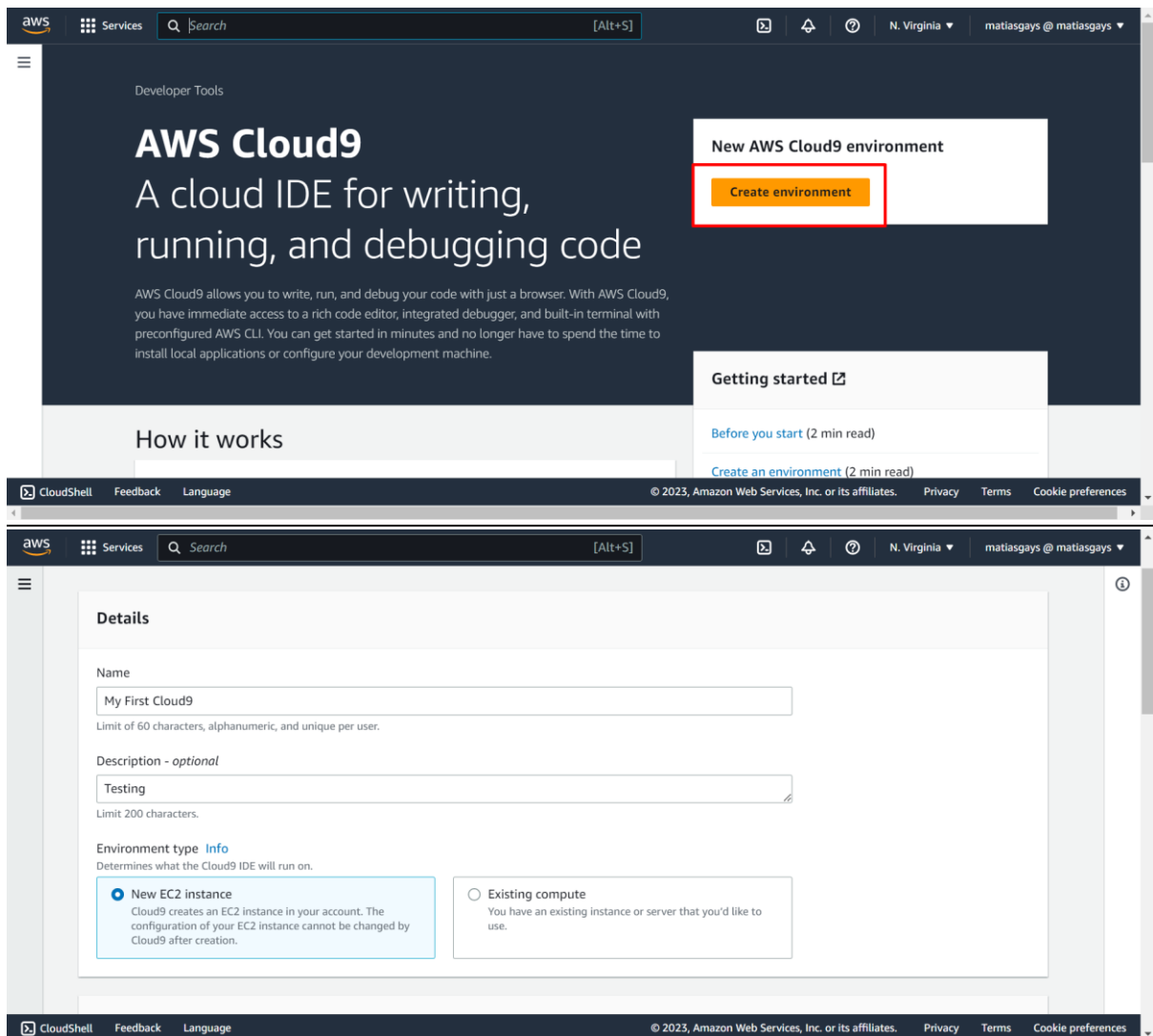
### Ejercicio

**PASO 1:** INICIO DE SESIÓN EN LA CONSOLA DE AWS CON MIS CREDENCIALES

**PASO 2:** ACCESO AL SERVICIO AMAZON CLOUD9



### PASO 3: CREACIÓN UNA INSTANCIA DE AMAZON CLOUD9



**New EC2 instance**

**Instance type** [Info](#)  
The memory and CPU of the EC2 instance that will be created for Cloud9 to run on.

☒ t2.micro (1 GiB RAM + 1 vCPU)  
Free-tier eligible. Ideal for educational users and exploration.

☐ t3.small (2 GiB RAM + 2 vCPU)  
Recommended for small web projects.

☐ m5.large (8 GiB RAM + 2 vCPU)  
Recommended for production and most general-purpose development.

☐ Additional instance types  
Explore additional instances to fit your need.

**Platform** [Info](#)  
This will be installed on your EC2 instance. We recommend Amazon Linux 2.

Amazon Linux 2

**Timeout**  
How long Cloud9 can be inactive (no user input) before auto-hibernating. This helps prevent unnecessary charges.

30 minutes

**Connection**  
How your environment is accessed.

☒ AWS Systems Manager (SSM)  
Accesses environment via SSM without opening inbound ports (no ingress).

☐ Secure Shell (SSH)  
Accesses environment directly via SSH, opens inbound ports.

[VPC settings](#) [Info](#)

**Tags - optional** [Info](#)  
A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

**The following IAM resources will be created in your account**

- AWS IAM role for AWS Cloud9** - AWS Cloud9 creates a service-linked role for you. This allows AWS Cloud9 to call other AWS services on your behalf. You can delete the role from the AWS IAM console once you no longer have any AWS Cloud9 environments. [Learn more](#)
- AWS IAM role for AWS Cloud9** - A service role and an instance profile are automatically created if Cloud9 accesses its EC2 instance through AWS Systems Manager. If your environments no longer require EC2 instances that block incoming traffic, you can delete these roles using the AWS IAM console. [Learn more](#)

Cancel **Create**

#### PASO 4: CONEXIÓN A LA INSTANCIA DE AMAZON CLOUD9

**AWS Cloud9**

Environments

Documentation [\[?\]](#)

**Successfully created My First Cloud9.** To get the most out of your environment, see [Best practices for using AWS Cloud9](#)

**AWS Cloud9 > Environments**

**Environments (1)** [Delete](#) [View details](#) [Open in Cloud9](#) [Create environment](#)

My environments

| Name            | Cloud9 IDE           | Environment type | Connection                | Permission | Owner ARN                                |
|-----------------|----------------------|------------------|---------------------------|------------|--|
| My First Cloud9 | <a href="#">Open</a> | EC2 instance     | AWS Systems Manager (SSM) | Owner      | arn:aws:iam::489231113816:user/matisgays |

#### PASO 5: PRUEBA EL IDE DE AMAZON CLOUD9

The screenshot displays the AWS Cloud9 IDE interface. The top menu bar includes File, Edit, Find, View, Go, Run, Tools, Window, Support, Preview, and Run. The left sidebar shows a file explorer with a project named 'My First Cloud9' containing files 'helloWorld.py' and 'README.md'. The main editor area shows the 'helloWorld.py' file with the following code:

```
1 print("Hello World!")
```

The bottom panel shows a terminal window with the following output:

```
bash - "ip-172-31-63-88.e x Immediate x +  
matiasgays:~/environment $ python3  
.c9/ .~c9_invoke_gTzGyZ.py helloWorld.py README.md  
matiasgays:~/environment $ python3 helloWorld.py  
Hello World!  
matiasgays:~/environment $
```

The status bar at the bottom indicates 'AWS: profile default' and 'CodeWhisperer'.