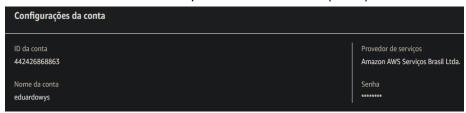
## **Desafio AWS + Terraform**

Aluno: Eduardo Wesley Andrade Silva

O desafio consiste em realizar o processo de provisionamento da infra na AWS via Terraform, onde será criado o security group, a EC2 e por último o deploy do site (via o arquivo script.sh) que resultará na imagem abaixo (acessando via browser).

• Conta criada free no provedor de nuvem (AWS):



• Instale o Terraform localmente:

```
C:\Users\eduar>terraform -version
Terraform v1.9.8
on windows_amd64
```

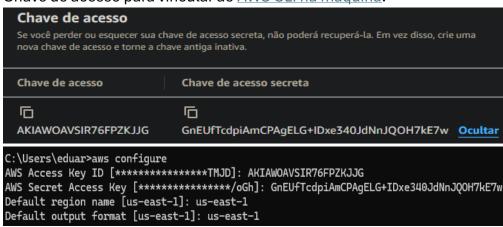
• Adicione um provedor (AWS) localmente:

```
C:\Users\eduar>aws --version
aws-cli/2.18.7 Python/3.12.6 Windows/11 exe/AMD64
```

- Escreva os arquivos de configuração. (receitinha de bolo):
- Criado o grupo e o usuário IAM:



Chave de acesso para vincular ao <u>AWS CLI na máquina</u>:



- Criada instância EC2 Ubuntu 24.04 LTS Terraform:
  - Inicialize o Terraform. (# terraform init):

```
PS D:\Documentos\TI\DevOps\Terraform+AWS> terraform init
Initializing the backend...
Initializing provider plugins...
- Finding hashicorp/aws versions matching "5.72.1"...
- Installing hashicorp/aws v5.72.1...
- Installed hashicorp/aws v5.72.1 (signed by HashiCorp)
Terraform has created a lock file .terraform.lock.hcl to record the provider selections it made above. Include this file in your version control repository so that Terraform can guarantee to make the same selections by default when you run "terraform init" in the future.

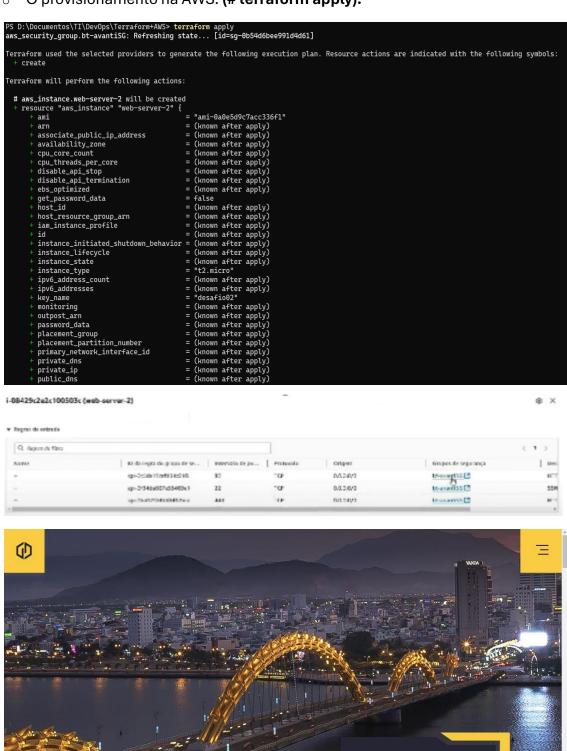
Terraform has been successfully initialized!

You may now begin working with Terraform. Try running "terraform plan" to see any changes that are required for your infrastructure. All Terraform commands should now work.

If you ever set or change modules or backend configuration for Terraform, rerun this command to reinitialize your working directory. If you forget, other commands will detect it and remind you to do so if necessary.
```

Visualizar a infraestrutura a ser criada. (# terraform plan):

## O provisionamento na AWS. (# terraform apply):



o Para eliminar os recursos provisionados. (# terraform destroy)

```
$ terraform.exe destroy
aws_security_group.bt-avantiSG: Refreshing state... [id=sg-06a88cdbb63e993ea]
aws_instance.web-server-2: Refreshing state... [id=1-08429c2e2c100503c]
```

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