

# FORMAÇÃO 4.0 AWS | TERRAFORM & AWS



### Implantação de Recursos:

### 1. Configuração do Terraform e Provedores

- Define a versão do Terraform (`>= 1.2.0`).
- Especifica os provedores necessários.
- Define a origem (`hashicorp/aws`) e a versão (`~> 4.16`) do provedor AWS.
- Configura a região (`us-east-1`) e o perfil IAM (`user-formacao-aws`).

### 2. Configuração do Security Group e IAM

- Configura o Security Group (ID `sg-018ffb83d58ea0311`).
- Configura o IAM.

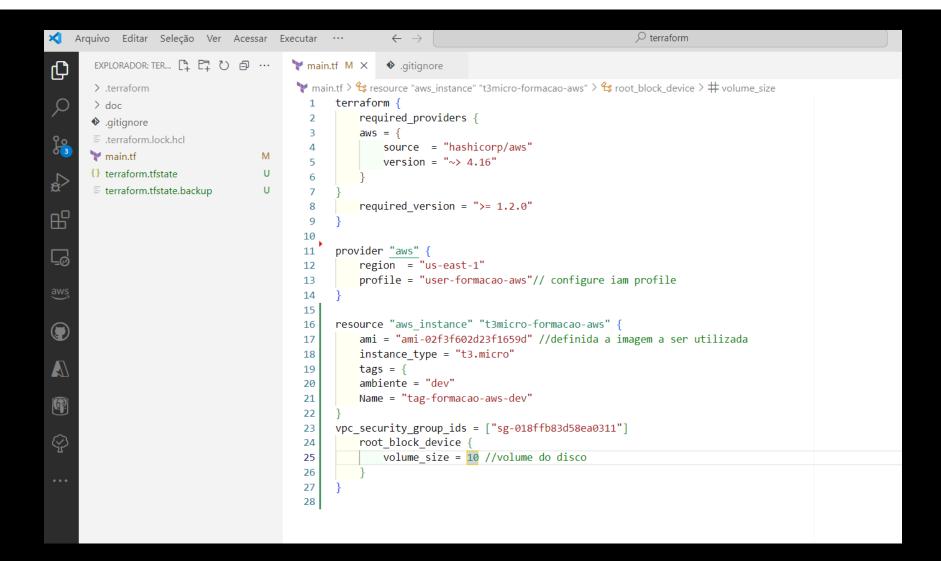
#### 3. Lançando Instância

- Define uma instância EC2 da AWS:
  - AMI: `ami-02f3f602d23f1659d`.
  - Tipo de instância: `t3.micro`.
  - Tags: `ambiente` e `Name`.
  - Dispositivo de bloco raiz: Volume de 10 GB.



## **CONFIGURAÇÃO DO TERRAFORM E PROVEDORES**







# **CONFIGURAÇÃO DO SECURITY GROUP**



| EC2 > Security Groups > sg-018ffb83d58ea0311 - security-group-formacao-aws |                               |             |                                      |                     |                           |               |  |  |  |
|--|-------------------------------|-------------|--------------------------------------|---------------------|---------------------------|---------------|--|--|--|
| sg-018ffb83d58ea0311 - security-group-formacao-aws                         |                               |             |                                      |                     |                           | Actions ▼     |  |  |  |
| ,  | 3 .                           |             |                                      |                     |                           |               |  |  |  |
| Details  |                               |             |                                      |                     |                           |               |  |  |  |
| Security group name  | Security group ID             |             | Description                          |                     | VPC ID                    |               |  |  |  |
| ☐ security-group-formacao-aws  | <b>□</b> sg-018ffb83d58ea0311 |             | ☐ Security Group padrao formacao aws |                     | □ vpc-0e18cce88879d621c 🗹 |               |  |  |  |
| Owner  | Inbound rules count           |             | Outbound rules count                 |                     |                           |               |  |  |  |
| <b>6</b> 654654441431  | 0 Permission entries          |             | 1 Permission entry                   |                     |                           |               |  |  |  |
| Inbound rules Outbound rules Tags  |                               |             |                                      |                     |                           |               |  |  |  |
| Outbound rules (1)  Q Search   |                               |             |                                      |                     |                           | utbound rules |  |  |  |
| ☐ Name ▼   Security group ru   | ıle   ✓ IP version   ✓        | Type        | <b>▽</b> Protocol                    | <b>▽</b> Port range | ▼ Destination ▼           | Description   |  |  |  |
| _ sgr-0a0e42cb259  | 615fe1 IPv4                   | All traffic | All                                  | All                 | 0.0.0.0/0                 | -             |  |  |  |
| 4  |                               |             |                                      |                     |                           | <b>+</b>      |  |  |  |



# **CONFIGURAÇÃO DO IAM**

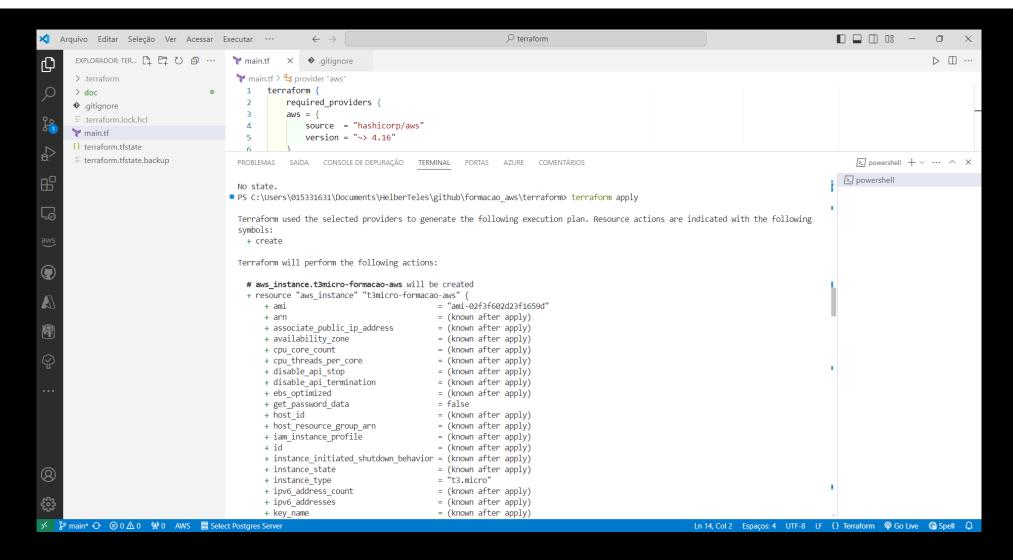


| IAM > Users > user-formacao-aws  |                         |                |   |        |  |  |  |  |
|--|-------------------------|----------------|---|--------|--|--|--|--|
| user-formacao-aws Info   |                         |                |   | Delete |  |  |  |  |
| Summary  |                         |                |   |        |  |  |  |  |
| ARN  ☐ arn:aws:iam::654654441431:user/user-formacao-aws  | Console access Disabled |                | Access key 1  AKIAZQ3DSA7LXZHNHHWC - Active  ③ Never used. Created today. |        |  |  |  |  |
| Created June 29, 2024, 17:00 (UTC-03:00)   | Last console sign-in -  |                | Access key 2 Create access key  |        |  |  |  |  |
| Permissions Groups (1) Tags (1) Security credentials Access Advisor  |                         |                |   |        |  |  |  |  |
| Permissions policies (2)  Permissions are defined by policies attached to the user directly or through groups. |                         |                | C Remove Add permission   | is ▼   |  |  |  |  |
|  |                         | Filter by Type |   |        |  |  |  |  |
| Q Search   |                         | All types      | ▼   | 0      |  |  |  |  |
| □ Policy name 🖸  | ▲ Type                  |                | ▼ Attached via 🖸  |        |  |  |  |  |
| ☐  | AWS managed             |                | Group group-formacao-aws  |        |  |  |  |  |
| ☐  | AWS managed             |                | Group group-formacao-aws  |        |  |  |  |  |



## **EXECUÇÃO DO TERRAFORM**

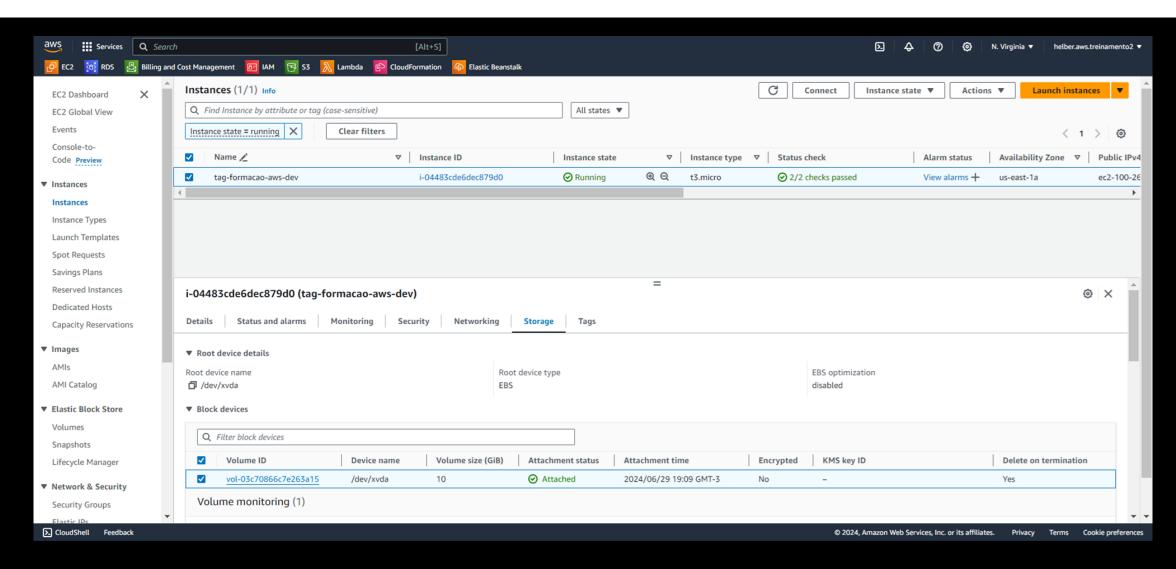






## LANÇANDO INSTÂNCIA







## **FORMAÇÃO 4.0 AWS**





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### **The Open University**

open.edu/openlearn/profiles/zt314155