Estrutura de arquivos

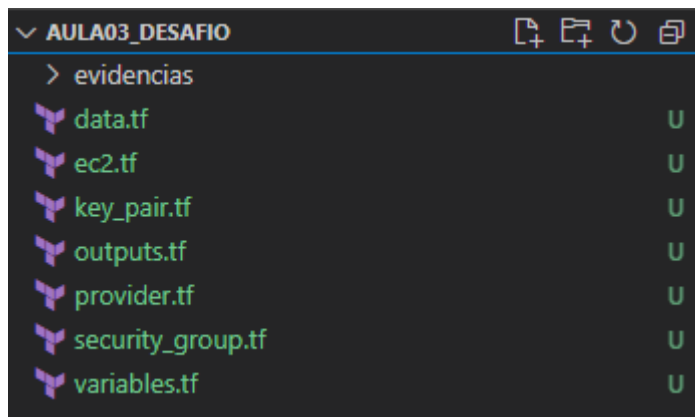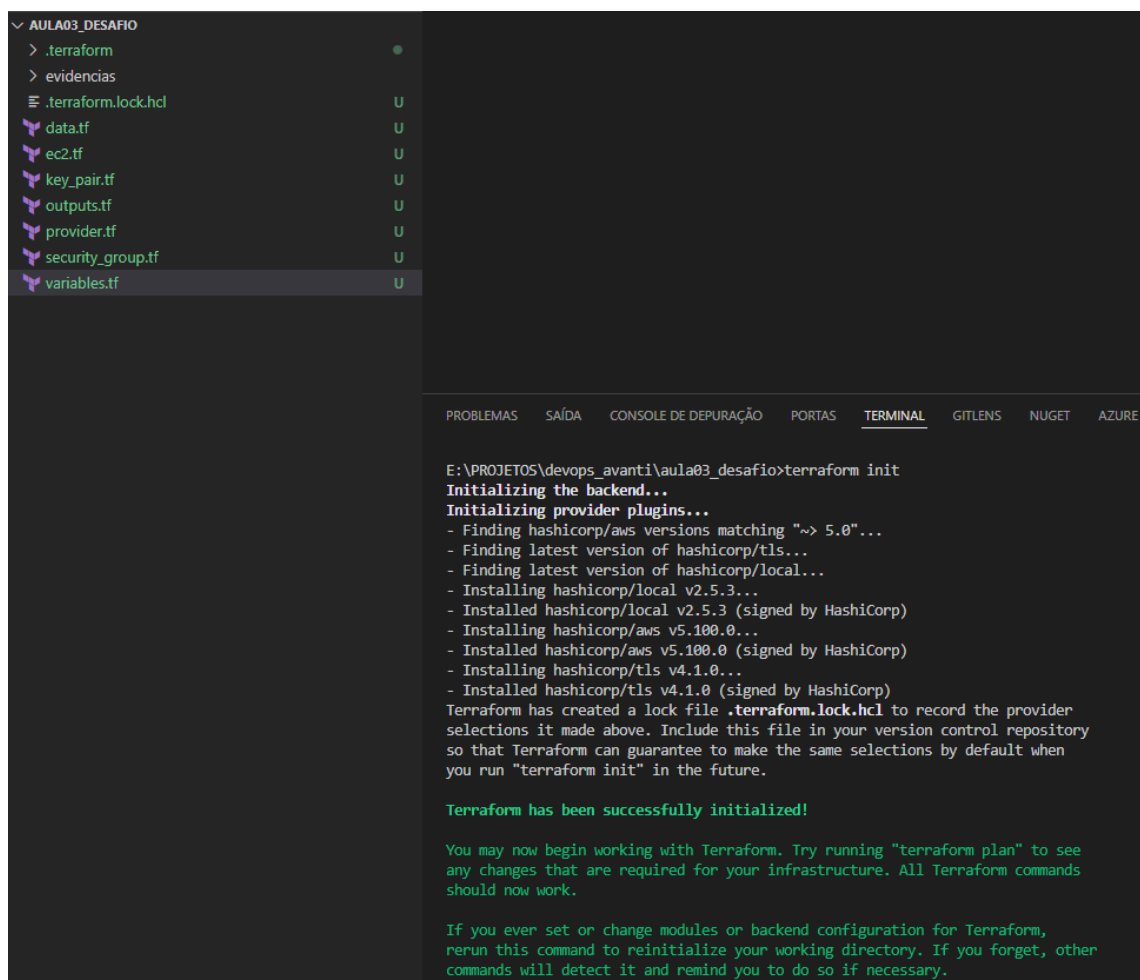## Terraform Init

Terraform plan

```
            + "Name" = "allow-ssh"
        }
      + tags_all                = {
          + "Name" = "allow-ssh"
        }
      + vpc_id                  = (known after apply)
    }

  # local_file.private_key_pem will be created
  + resource "local_file" "private_key_pem" {
      + content             = (sensitive value)
      + content_base64sha256 = (known after apply)
      + content_base64sha512 = (known after apply)
      + content_md5         = (known after apply)
      + content_sha1        = (known after apply)
      + content_sha256      = (known after apply)
      + content_sha512      = (known after apply)
      + directory_permission = "0777"
      + file_permission     = "0600"
      + filename            = "./ec2-instance-key.pem"
      + id                  = (known after apply)
    }

  # tls_private_key.rsa_key will be created
  + resource "tls_private_key" "rsa_key" {
      + algorithm                  = "RSA"
      + ecdsa_curve                = "P224"
      + id                         = (known after apply)
      + private_key_openssh        = (sensitive value)
      + private_key_pem            = (sensitive value)
      + private_key_pem_pkcs8      = (sensitive value)
      + public_key_fingerprint_md5 = (known after apply)
      + public_key_fingerprint_sha256 = (known after apply)
      + public_key_openssh         = (known after apply)
      + public_key_pem             = (known after apply)
      + rsa_bits                   = 4096
    }

Plan: 7 to add, 0 to change, 0 to destroy.

Changes to Outputs:
  + instance_public_ip = (known after apply)
  + website_url        = (known after apply)
```
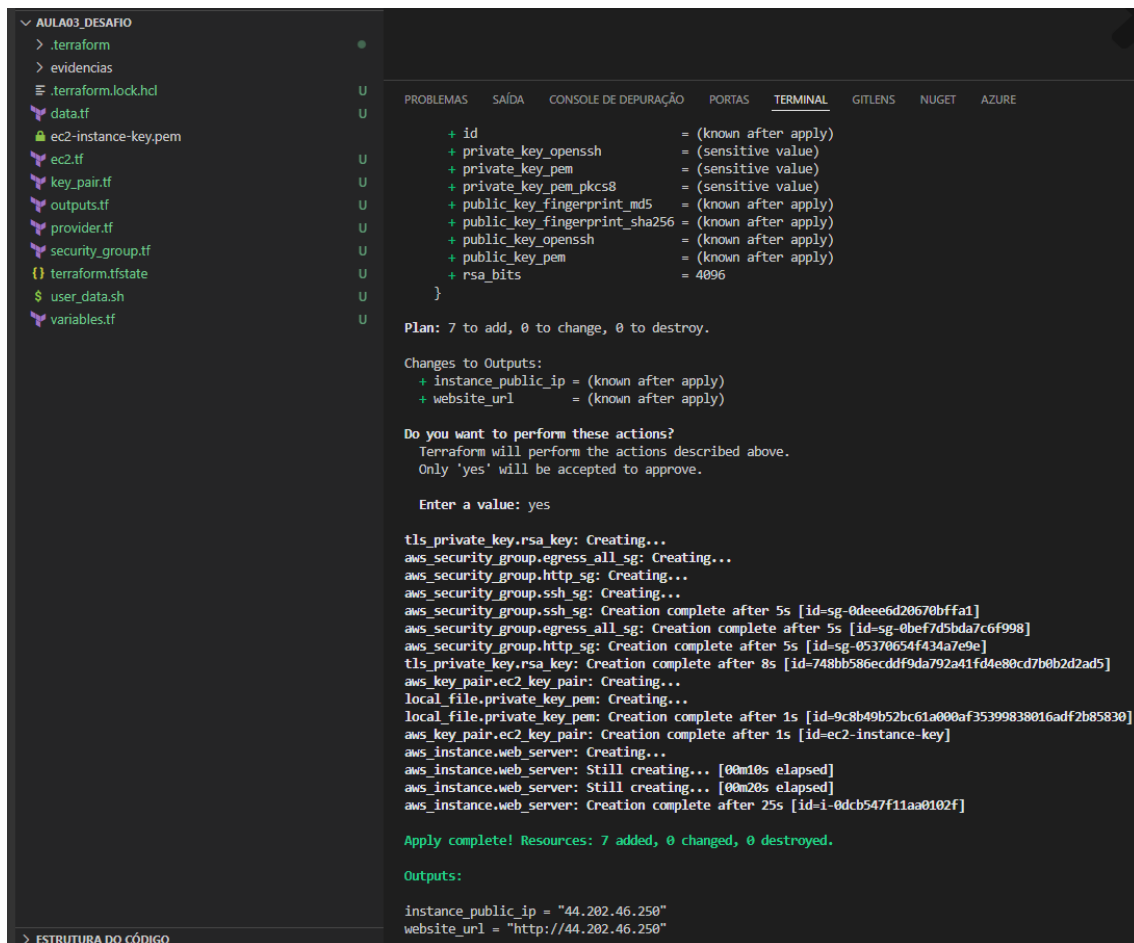
Terraform apply

```
AULA03_DESAFIO
  > .terraform                                    ●
  > evidencias
  ≡ .terraform.lock.hcl                           U
  🐦 data.tf                                       U
  🔒 ec2-instance-key.pem
  🐦 ec2.tf                                        U
  🐦 key_pair.tf                                   U
  🐦 outputs.tf                                    U
  🐦 provider.tf                                   U
  🐦 security_group.tf                             U
  {} terraform.tfstate                            U
  $ user_data.sh                                  U
  🐦 variables.tf                                  U
```

```
PROBLEMAS   SAÍDA   CONSOLE DE DEPURAÇÃO   PORTAS   TERMINAL   GITLENS   NUGET   AZURE

      + id                                     = (known after apply)
      + private_key_openssh                    = (sensitive value)
      + private_key_pem                        = (sensitive value)
      + private_key_pem_pkcs8                  = (sensitive value)
      + public_key_fingerprint_md5             = (known after apply)
      + public_key_fingerprint_sha256          = (known after apply)
      + public_key_openssh                     = (known after apply)
      + public_key_pem                         = (known after apply)
      + rsa_bits                               = 4096
    }

  Plan: 7 to add, 0 to change, 0 to destroy.

  Changes to Outputs:
    + instance_public_ip = (known after apply)
    + website_url        = (known after apply)

  Do you want to perform these actions?
    Terraform will perform the actions described above.
    Only 'yes' will be accepted to approve.

    Enter a value: yes

  tls_private_key.rsa_key: Creating...
  aws_security_group.egress_all_sg: Creating...
  aws_security_group.http_sg: Creating...
  aws_security_group.ssh_sg: Creating...
  aws_security_group.ssh_sg: Creation complete after 5s [id=sg-0deee6d20670bffa1]
  aws_security_group.egress_all_sg: Creation complete after 5s [id=sg-0bef7d5bda7c6f998]
  aws_security_group.http_sg: Creation complete after 5s [id=sg-05370654f434a7e9e]
  tls_private_key.rsa_key: Creation complete after 8s [id=748bb586ecddf9da792a41fd4e80cd7b0b2d2ad5]
  aws_key_pair.ec2_key_pair: Creating...
  local_file.private_key_pem: Creating...
  local_file.private_key_pem: Creation complete after 1s [id=9c8b49b52bc61a000af35399838016adf2b85830]
  aws_key_pair.ec2_key_pair: Creation complete after 1s [id=ec2-instance-key]
  aws_instance.web_server: Creating...
  aws_instance.web_server: Still creating... [00m10s elapsed]
  aws_instance.web_server: Still creating... [00m20s elapsed]
  aws_instance.web_server: Creation complete after 25s [id=i-0dcb547f11aa0102f]

  Apply complete! Resources: 7 added, 0 changed, 0 destroyed.

  Outputs:

  instance_public_ip = "44.202.46.250"
  website_url = "http://44.202.46.250"
```
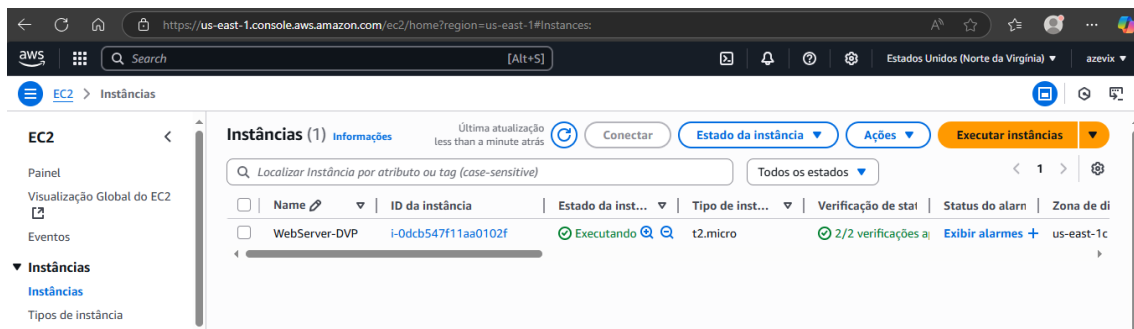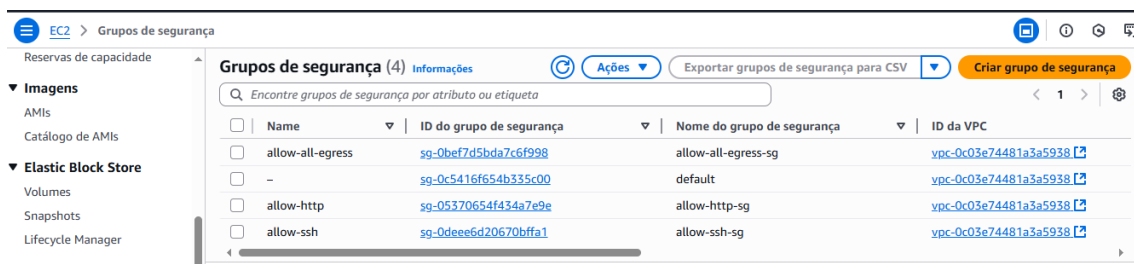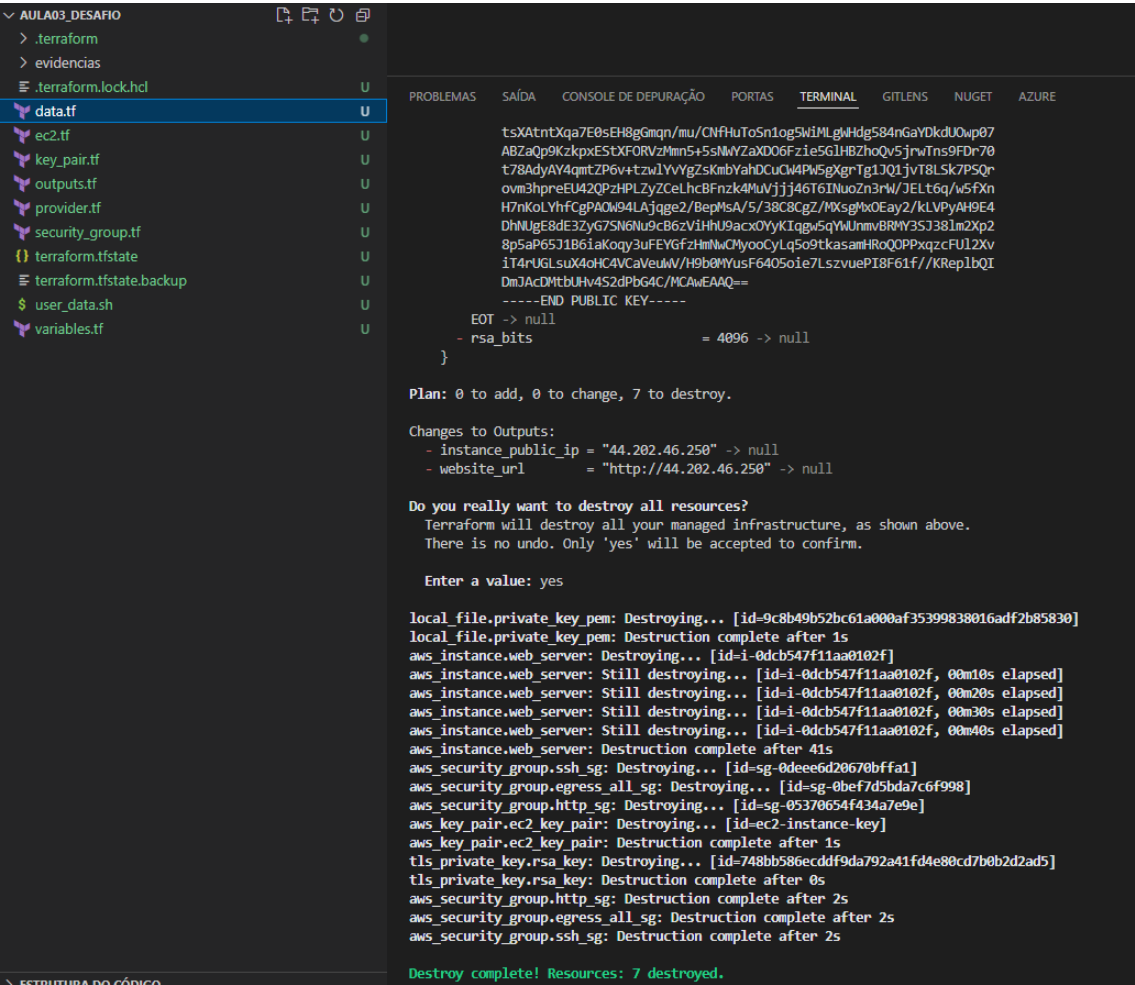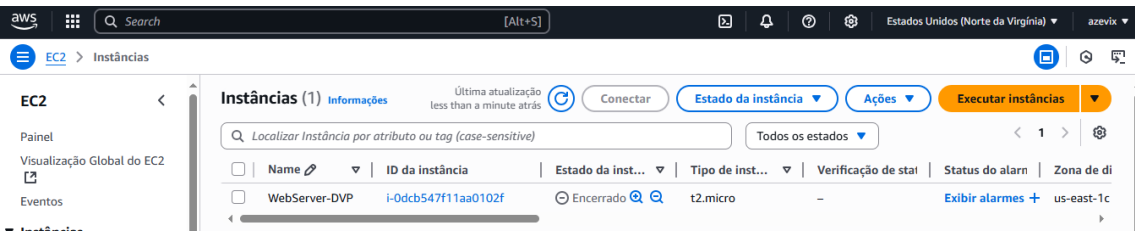
> ESTRUTURA DO CÓDIGO

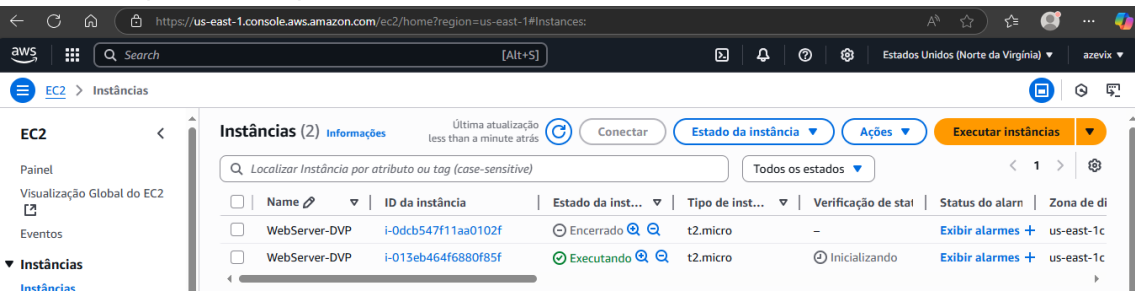## Console AWS

Security Groups

Terraform destroy

Console AWS

Evidência após criar arquivo user_data.sh

Site

Servidor provisionado com Terraform, para o desafio da aula 03: IaC com Terraform e AWS

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