Infraestructura II - FINAL - Tema 1

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Corrección de un archivo de Terraform

Revisamos y corregimos el archivo
https://github.com/repoinfradh/deploy_app/blob/main/one.tf
Para que a través del mismo pueda generar la siguiente infraestructura

- DOS INSTANCIAS, una llamada Web y otra API
- La instancia de Web debe tener abiertos los puertos TCP 80,22 y 443
- La instancia de API deber tener abierto los puertos TCP 8080 y 22
- Ambas instancias deben usar la llave denominada myKey

Corrijo el archivo de Terraform

```hcl
provider "aws" {
  region = "us-east-1"
}

data "aws_ami" "amazon-linux-2" {
  most_recent = true
  owners      = ["amazon"]

  filter {
    name   = "name"
    values = ["amzn2-ami-hvm*"]
  }
}


resource "tls_private_key" "pk" {
  algorithm = "RSA"
  rsa_bits  = 4096
}

resource "aws_key_pair" "kp" {
  key_name   = "myKey"
  public_key = tls_private_key.pk.public_key_openssh

}


resource "aws_default_vpc" "default" {
  tags = {
    Name = "Default VPC"
  }
}

data "aws_subnet_ids" "subnets" {
  vpc_id = aws_default_vpc.default.id
}


resource "aws_security_group" "sg_frontend" {
name = "SecurityGroupFrontend"
description = "Grupo de seguridad"
vpc_id = aws_default_vpc.default.id
ingress = [
{
description = "HTTPS"
from_port = 443
to_port = 443
protocol"tcp"
cidr_blocks = ["0.0.0.0/0"]
```

```
      ipv6_cidr_blocks = ["::/0"]
      prefix_list_ids = []
      security_groups = []
      self = true
    },
    {
      description = "HTTP"
      from_port = 80
      to_port = 80
      protocol = "tcp"
      cidr_blocks = ["0.0.0.0/0"]
      ipv6_cidr_blocks = ["::/0"]
      prefix_list_ids = []
      security_groups = []
      self = true
    },
    {
      description = "SSH"
      from_port = 22
      to_port = 22
      protocol = "tcp"
      cidr_blocks = ["0.0.0.0/0"]
      ipv6_cidr_blocks = ["::/0"]
      prefix_list_ids = []
      security_groups = []
      self = true
    }
  ]
  tags = {
    Name = "Security_Group_DH"
  }
}


resource "aws_security_group" "sg_backend" {
  name = "SecurityGroupDHBackend"
  description = "Grupo de seguridad backend"
  vpc_id = aws_default_vpc.default.id
  ingress = [
    {
      description = "TCP"
      from_port = 8080
      to_port = 8080
      protocol = "tcp"
      cidr_blocks = ["190.221.173.200/32"]
      ipv6_cidr_blocks = ["::/0"]
      prefix_list_ids = []
      security_groups = []
      self = true
    },
    {
      description = "SSH"
      from_port = 22
```

```
to_port = 22
protocol = "tcp"
cidr_blocks = ["0.0.0.0/0"]
ipv6_cidr_blocks = ["::/0"]
prefix_list_ids = []
security_groups = []
self = true
}
]
tags = {
Name = "Security_Group_DH_Backend"
}
}


resource "aws_instance" "Web" {
ami = data.aws_ami.amazon-linux-2.id
instance_type = "t2.micro"
subnet_id = tolist(data.aws_subnet_ids.subnets.ids)[0]
vpc_security_group_ids = [aws_security_group.sg_frontend.id]
key_name = "myKey"
tags = {
Name = "Web"
}
}


resource "aws_instance" "Api" {
ami = data.aws_ami.amazon-linux-2.id
instance_type = "t2.micro"
subnet_id = tolist(data.aws_subnet_ids.subnets.ids)[0]
vpc_security_group_ids = [aws_security_group.sg_backend.id]
key_name = "myKey"
tags = {
Name = "API"
}
}
```

Atrás   Siguiente   Borrar formulario