Infraestructura II

Actividad obligatoria y grupal
Dificultad: Media

Ejercitación Terraform

Esta ejercitación es distinta a la que veníamos trabajando. Vamos a tener un archivo que realizó un compañero de trabajo en el que está escrito el código para automatizar la gestión de los siguientes recursos:

- Una base de datos RDS
- Una VPC
- Una subnet
- Dos instancias EC2

El objetivo de nuestro trabajo es separar el archivo en módulos, como aprendimos en las clases anteriores, y asegurarnos que se ejecute correctamente. Encontramos el archivo en el siguiente link. Este archivo pertenece al siguiente repositorio de código.

La salida de final de la ejecución del archivo se encuentra en la siguiente página.

```
Plan: 5 to add, 0 to change, 0 to destroy.

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

aws_vpc.vpc: Creating...
aws_db_instance.db: Creating...
aws_db_instance.db: Still creating... [10s elapsed]
aws_vpc.vpc: Still creating... [10s elapsed]
aws_vpc.vpc: Creation complete after 11s [id=vpc-0012fdf79d78a5a0a]
aws_subnet.subnet: Creating...
aws_subnet.subnet: Creation complete after 4s [id=subnet-0f3d1ef94d77dd14b]
aws_instance.frontend: Creating...
aws_instance.backend: Creating...
aws_db_instance.db: Still creating... [20s elapsed]
aws_instance.frontend: Still creating... [10s elapsed]
aws_instance.backend: Still creating... [10s elapsed]
aws_db_instance.db: Still creating... [30s elapsed]
aws_instance.frontend: Still creating... [20s elapsed]
aws_instance.backend: Still creating... [20s elapsed]
aws_db_instance.db: Still creating... [40s elapsed]
aws_instance.frontend: Still creating... [30s elapsed]
aws_instance.backend: Still creating... [30s elapsed]
aws_db_instance.db: Still creating... [50s elapsed]
aws_instance.frontend: Still creating... [40s elapsed]
aws_instance.backend: Still creating... [40s elapsed]
aws_instance.backend: Creation complete after 43s [id=i-0f6c26eb3a1ffac5c]
aws_db_instance.db: Still creating... [1m0s elapsed]
aws_instance.frontend: Still creating... [50s elapsed]
aws_db_instance.db: Still creating... [1m10s elapsed]
aws_instance.frontend: Still creating... [1m0s elapsed]
aws_db_instance.db: Still creating... [1m20s elapsed]
aws_instance.frontend: Creation complete after 1m5s [id=i-0555fabd9779d2b7f]
aws_db_instance.db: Still creating... [1m30s elapsed]
aws_db_instance.db: Still creating... [1m40s elapsed]
aws_db_instance.db: Still creating... [1m50s elapsed]
aws_db_instance.db: Still creating... [2m0s elapsed]
aws_db_instance.db: Still creating... [2m10s elapsed]
aws_db_instance.db: Still creating... [2m20s elapsed]
aws_db_instance.db: Still creating... [2m30s elapsed]
aws_db_instance.db: Still creating... [2m40s elapsed]
aws_db_instance.db: Still creating... [2m50s elapsed]
aws_db_instance.db: Still creating... [3m0s elapsed]
aws_db_instance.db: Still creating... [3m10s elapsed]
aws_db_instance.db: Still creating... [3m20s elapsed]
aws_db_instance.db: Still creating... [3m30s elapsed]
aws_db_instance.db: Still creating... [3m40s elapsed]
aws_db_instance.db: Still creating... [3m50s elapsed]
aws_db_instance.db: Still creating... [4m0s elapsed]
aws_db_instance.db: Creation complete after 4m6s [id=terraform-20210825231433034900000001]

Apply complete! Resources: 5 added, 0 changed, 0 destroyed.
```

¿Te animás a proponer oportunidades de mejora? ¿Qué otros recursos agregarías para gestionar esta solución? Lo vamos a debatir en la siguiente clase.