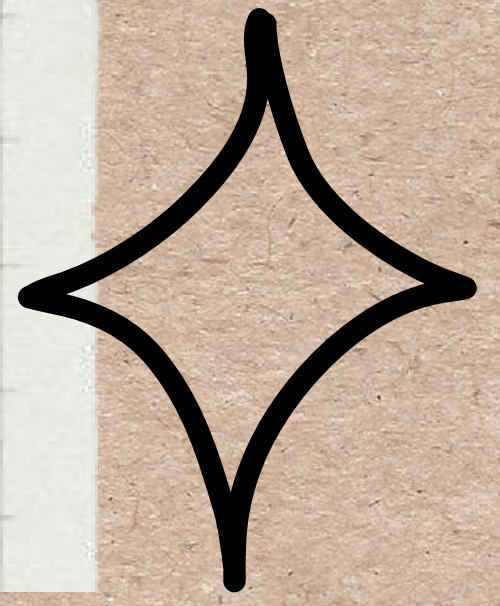
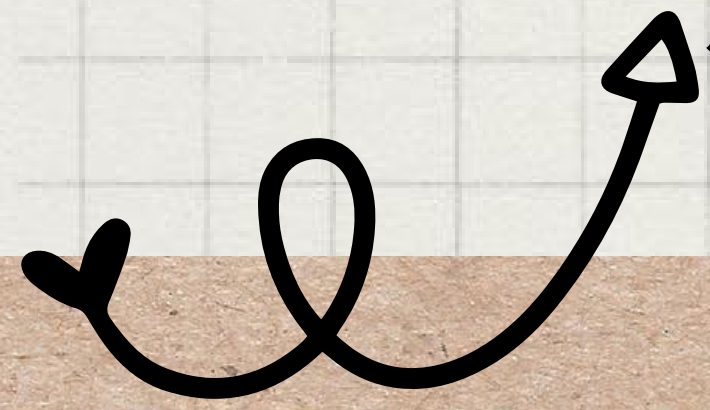


PIPELINE COM TERRAFORM

Rafael Gomes (DNSFilter)





Rafael Gomex

Sobre mim

Soteropolitano

Platform Engineer na DNSFilter

Docker Captain

Hashicorp Ambassador

Membro do Core Team do DevOpsDays

16 anos de experiência

Instrutor na Linuxtips

Pai de um garoto

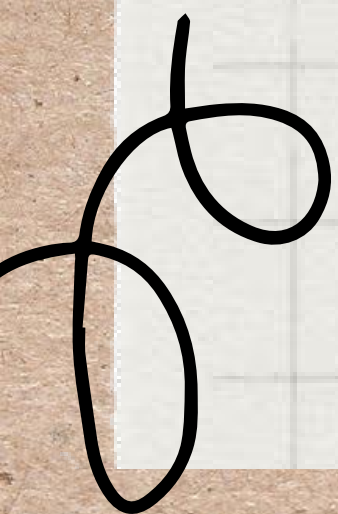
Viciado em música

Antifascista

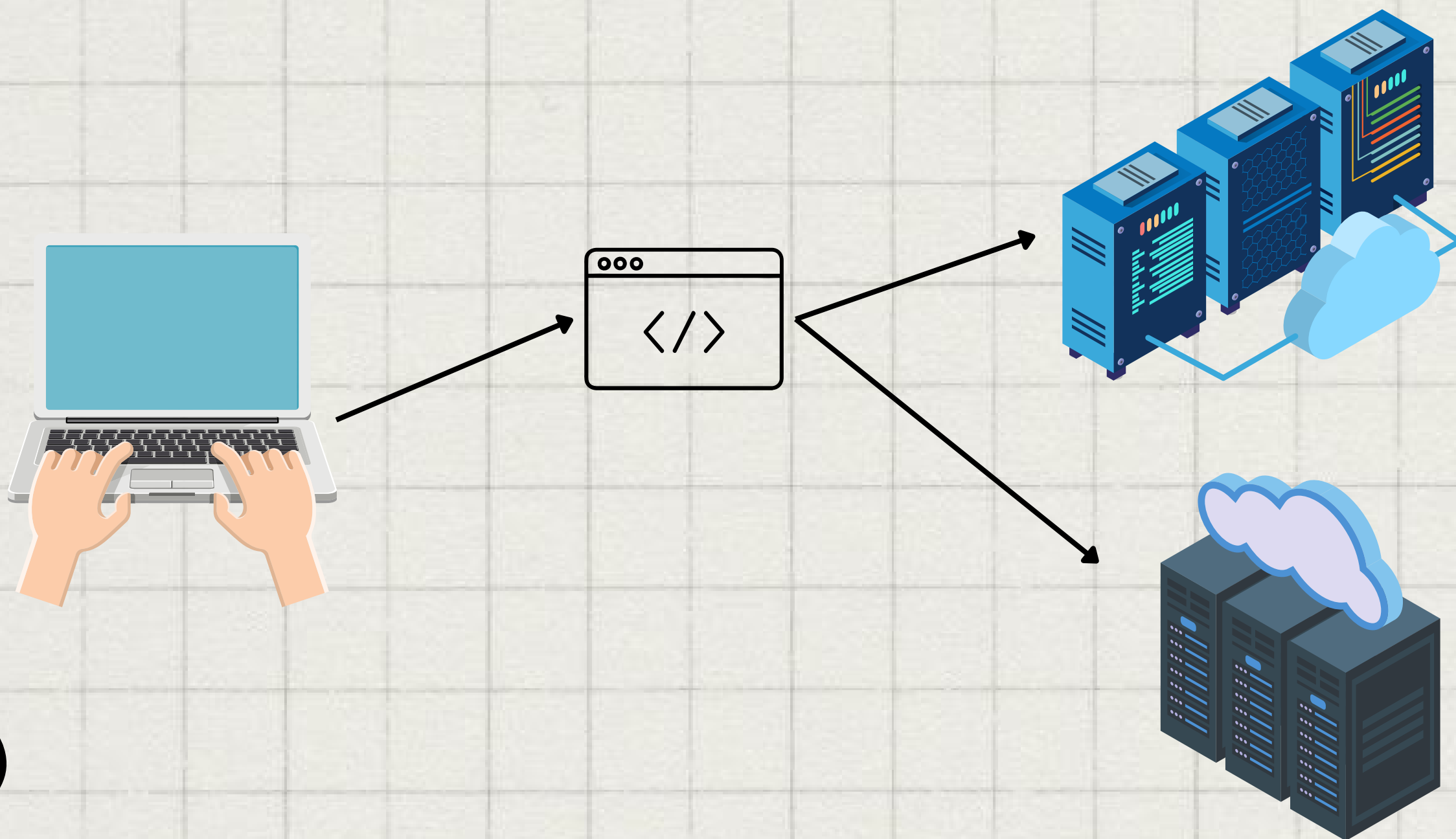


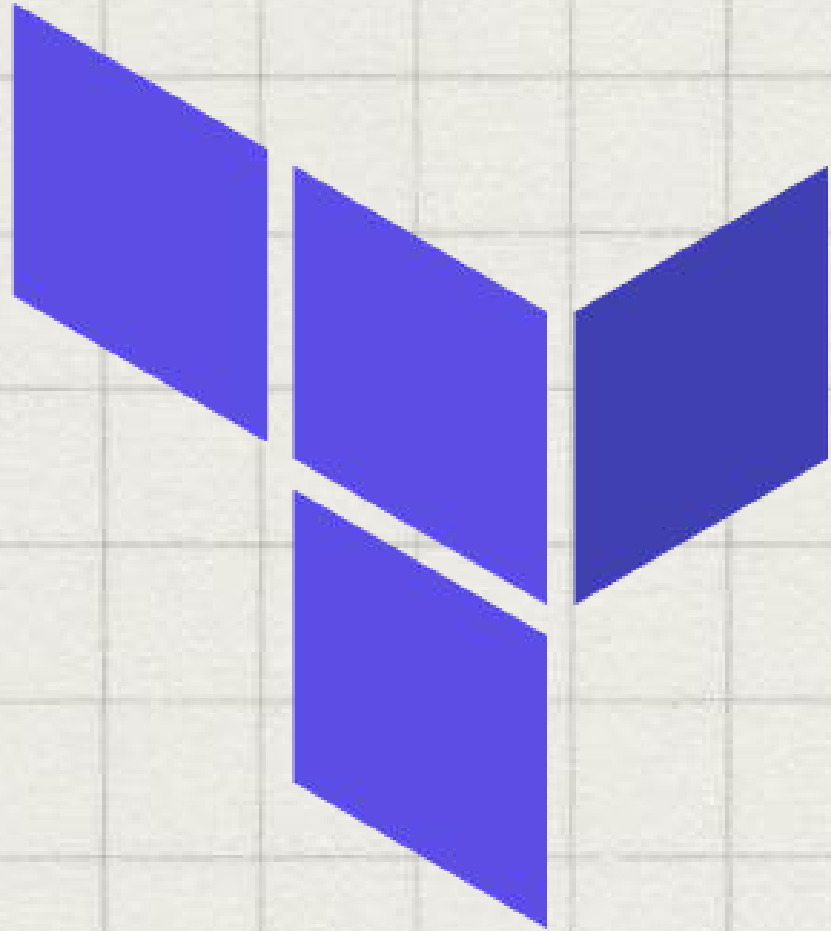
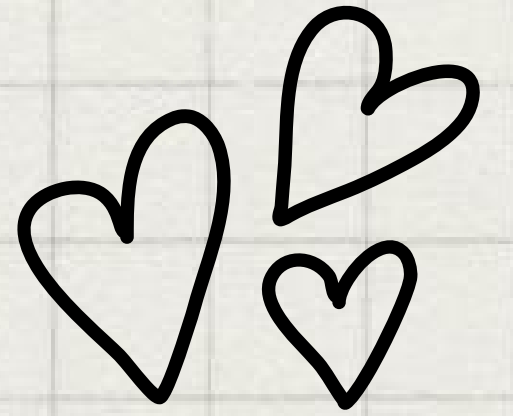
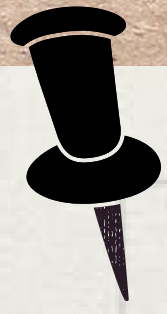
PROBLEMA

Como padronizar a automação de infraestrutura em um contexto de muitas clouds?



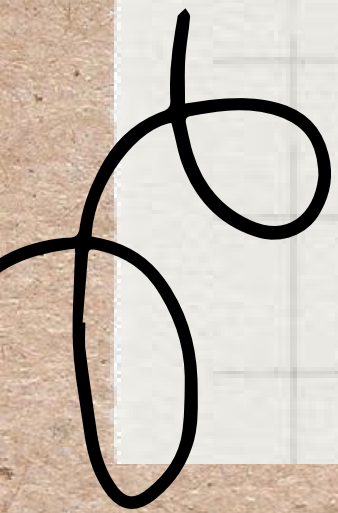
PADRONIZAR? COMO ASSIM?





HashiCorp

Terraform





ABORDAGEM DE PLUGIN



Terraform

plugin aws

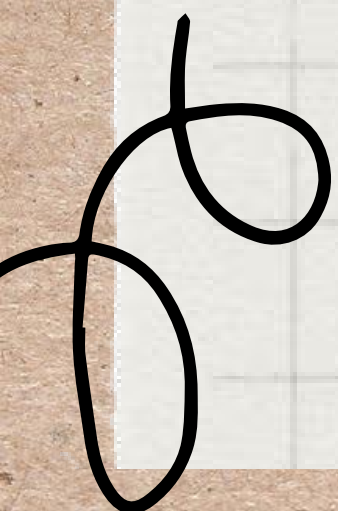


infra aws

plugin google



infra google

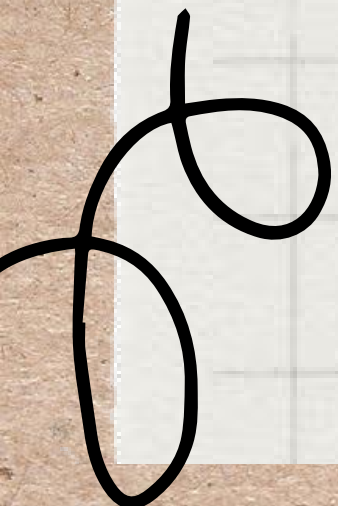




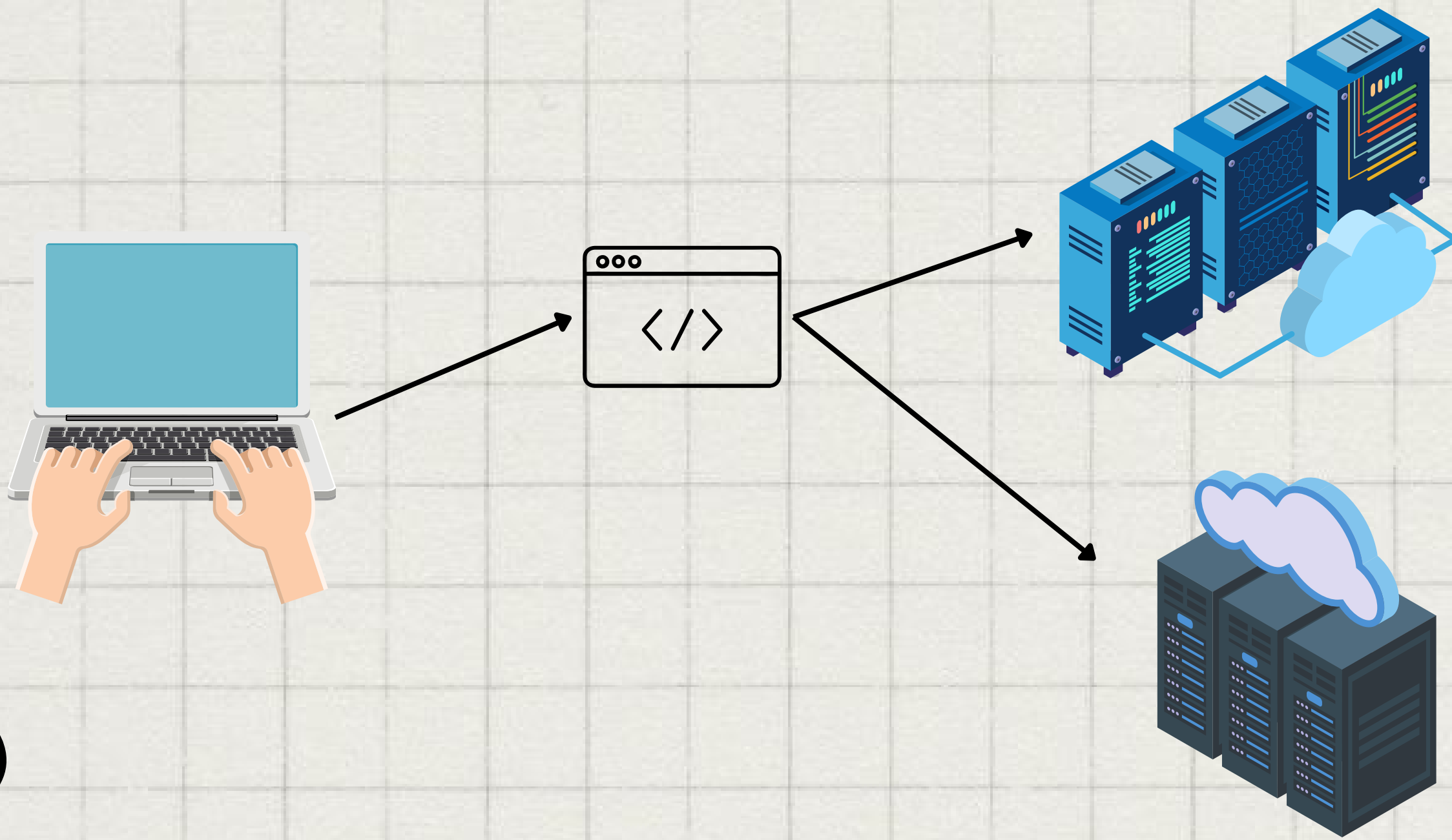
ESTRUTURA BÁSICA DO TERRAFORM



```
resource "aws_instance" "nome"  
{  
  chave = "valor"  
}
```



ONDE ELE VAI RODAR?

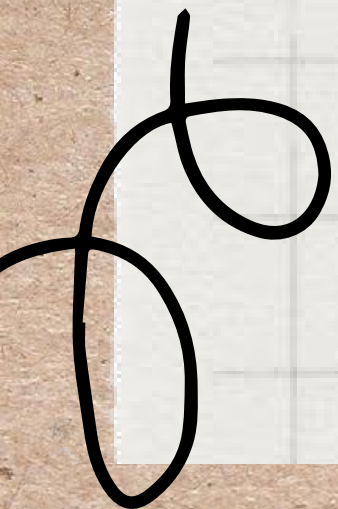




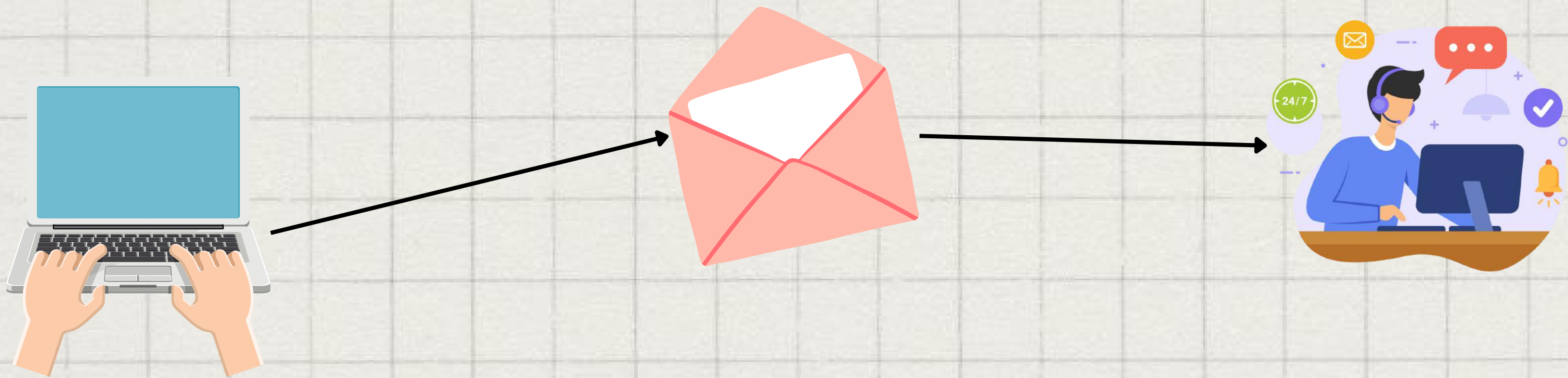
DEMANDA COMUM



time do produto a



QUEM DEVE CRIAR O BANCO?





COMO USAR O TERRAFORM

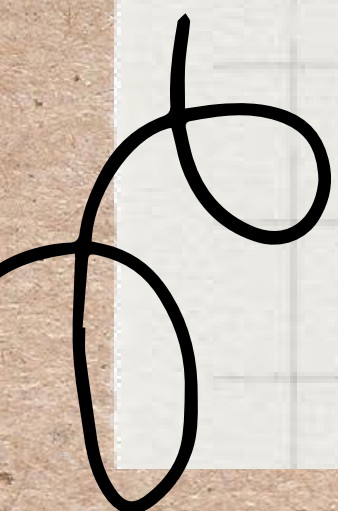


repositório do produto a
código do produto



repositório de infra
código de infra

E como funciona a integração entre infra e produto?





COMO USAR O TERRAFORM



repositório do produto a



iac

terraformfile.tf

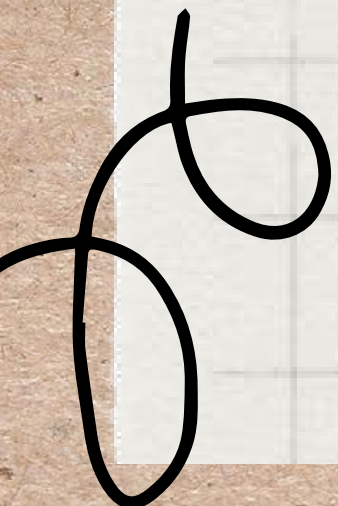


módulo database

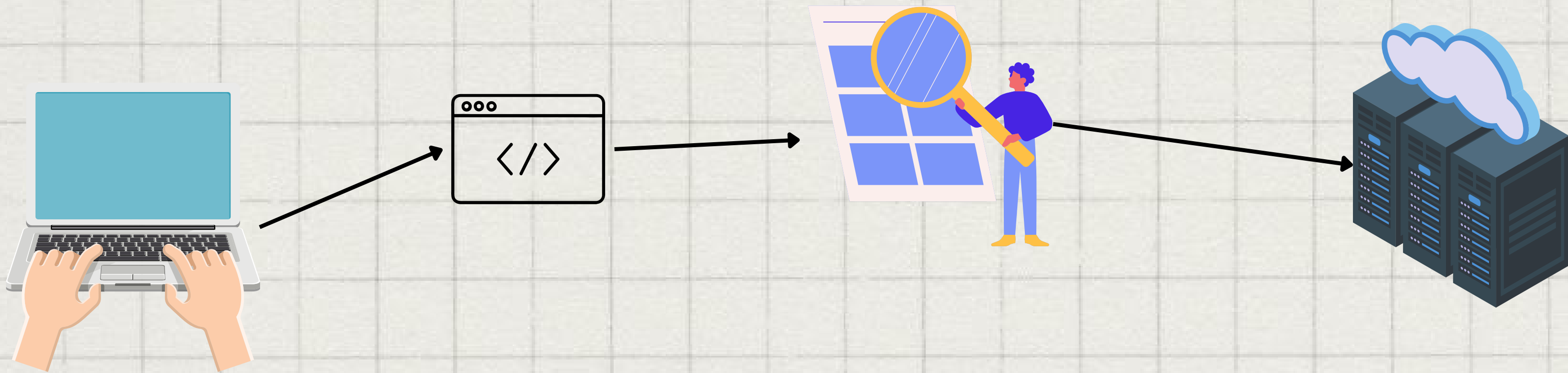
responsabilidade

infra

```
module "database_develop" {  
  source = "git@github.com:gomex/database.git?ref=v1"  
  
  type           = "postgres"  
  db_size        = "small"  
  production_required = false  
}
```



O TIME DE INFRA PODE AVALIAR ANTES DE APLICAR



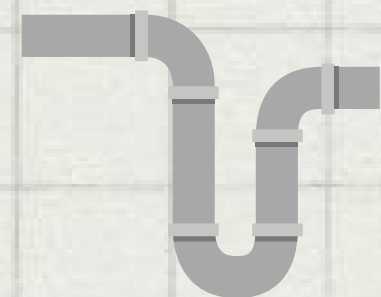
INFRA COMO PRODUTO



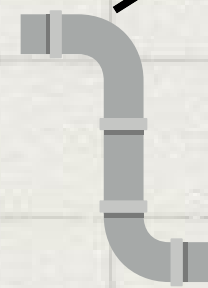
repositório do produto



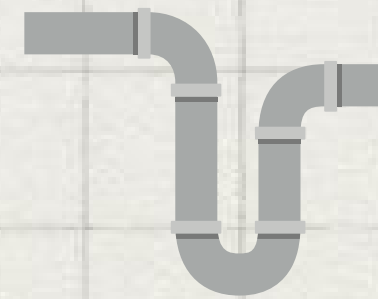
pipeline



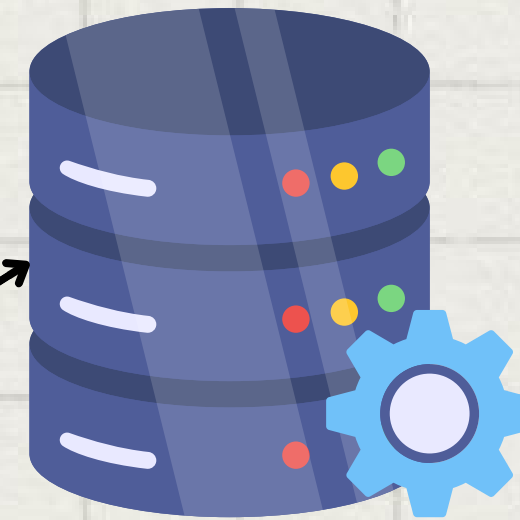
testes



INFRA



release





COMO USAR O TERRAFORM



repositório do produto a



iac

terraformfile.tf

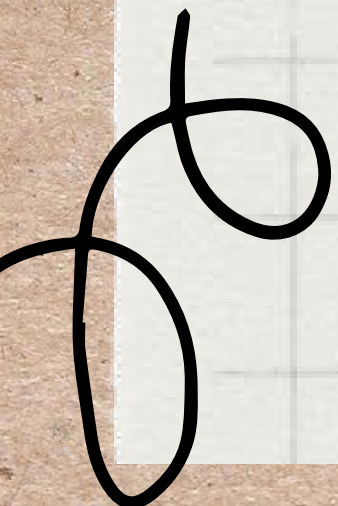


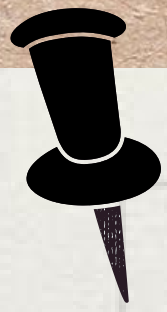
módulo database

responsabilidade

infra

```
module "database_develop" {  
  source = "git@github.com:gomex/database.git?ref=v1"  
  
  type           = "postgres"  
  db_size        = "small"  
  production_required = false  
}
```



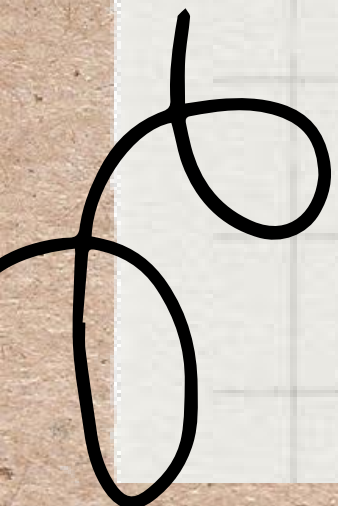


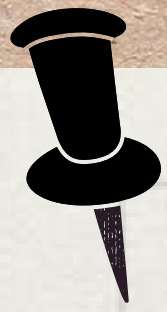
ONDE FICA O CÓDIGO DE INFRA



repositório do módulo database

- **criar o banco**
- **aplicar política de segurança**
- **garantir padronização**
- **aplicar melhores práticas**





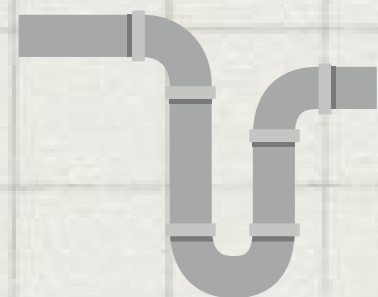
ONDE FICA O CÓDIGO DE INFRA



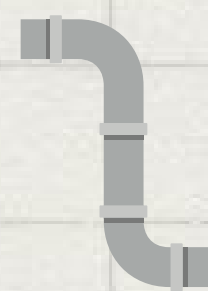
repositório do módulo database



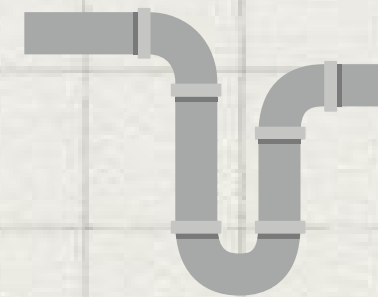
pipeline



linters



testes



release





COMO USAR O TERRAFORM



repositório do produto a

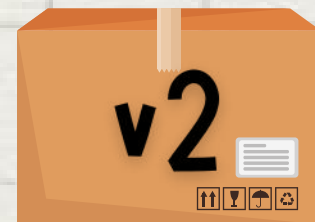


iac

terraform.tf



módulo database



```
module "database_develop" {  
  source = "git@github.com:gomex/database.git?ref=v1"  
  
  type           = "postgres"  
  db_size        = "small"  
  production_required = false  
}
```





RESPONSABILIDADES



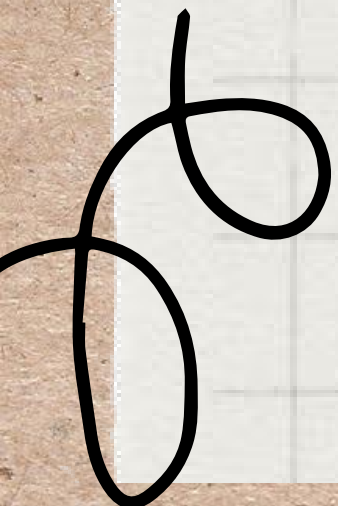
produto

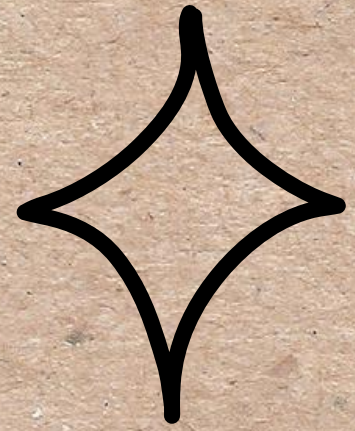
- funcionalidade do produto
- correção de bugs
- escolha da infra oferecida



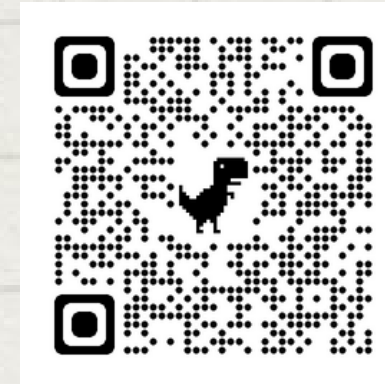
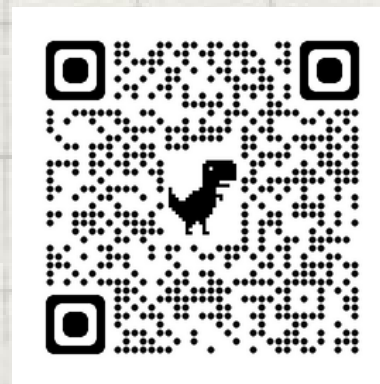
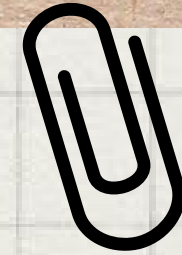
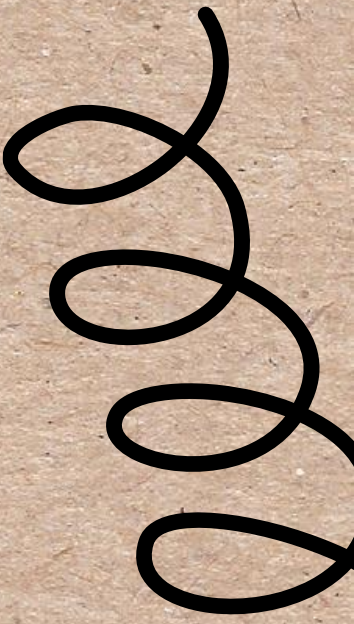
iac

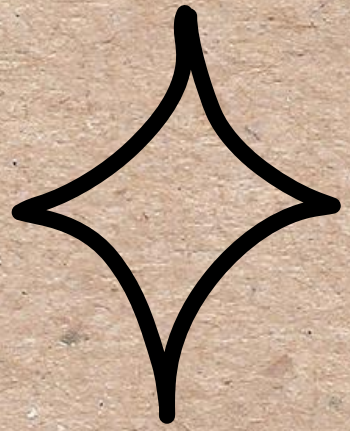
- formatação das ofertas de infra
- forçar políticas de segurança
- otimizar os custos
- padronizar uso da infra



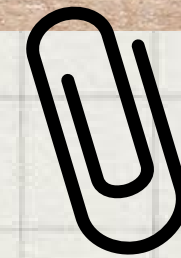
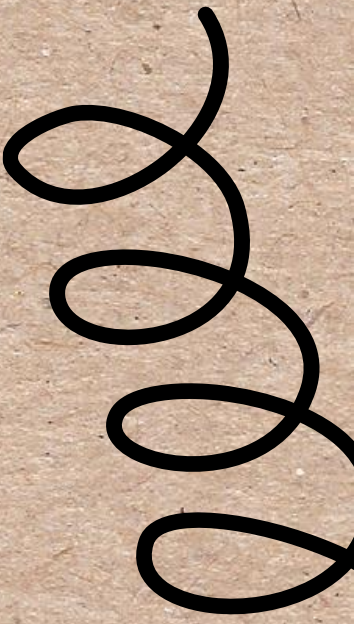


LIVROS





CURSO



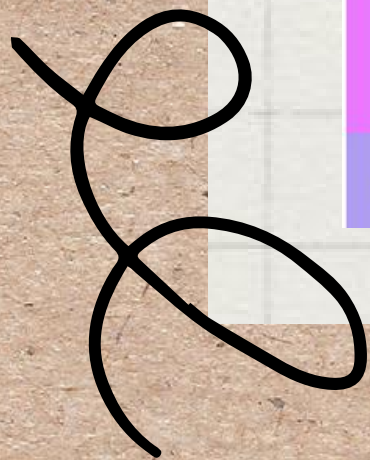
Treinamento Gratuito

Terraform Essentials



LINUXTIPS

Introdução ao Terraform Essentials





Rafael Gomex

Meu contato

