

Project: Hosting Customer Success Platform using AWS, Terraform and Github Actions.

Objective: The customer success platform automates project data sharing, auditing, and reporting, replacing manual processes with effortless automation for better monitoring, transparency, and stakeholder engagement.

Framework used is NextJS for this application.

Resources used:

1. Terraform for infrastructure as code.
2. CI/CD is created using Github actions.

AWS as Infrastructure provider.

Steps to create infrastructure using terraform:

1. Clone the infrastructure code from the <https://github.com/Jainil115/cleo-infra>
2. Then to setup infrastructure go to each folder (dev, staging, prod) and perform the following commands:

`terraform init`

```
> terraform init

Initializing the backend...
Initializing modules...

Initializing provider plugins...
- Reusing previous version of hashicorp/aws from the dependency lock file
- Using previously-installed hashicorp/aws v5.40.0

Terraform has been successfully initialized!

You may now begin working with Terraform. Try running "terraform plan" to see
any changes that are required for your infrastructure. All Terraform commands
should now work.

If you ever set or change modules or backend configuration for Terraform,
rerun this command to reinitialize your working directory. If you forget, other
commands will detect it and remind you to do so if necessary.
```

`terraform apply`

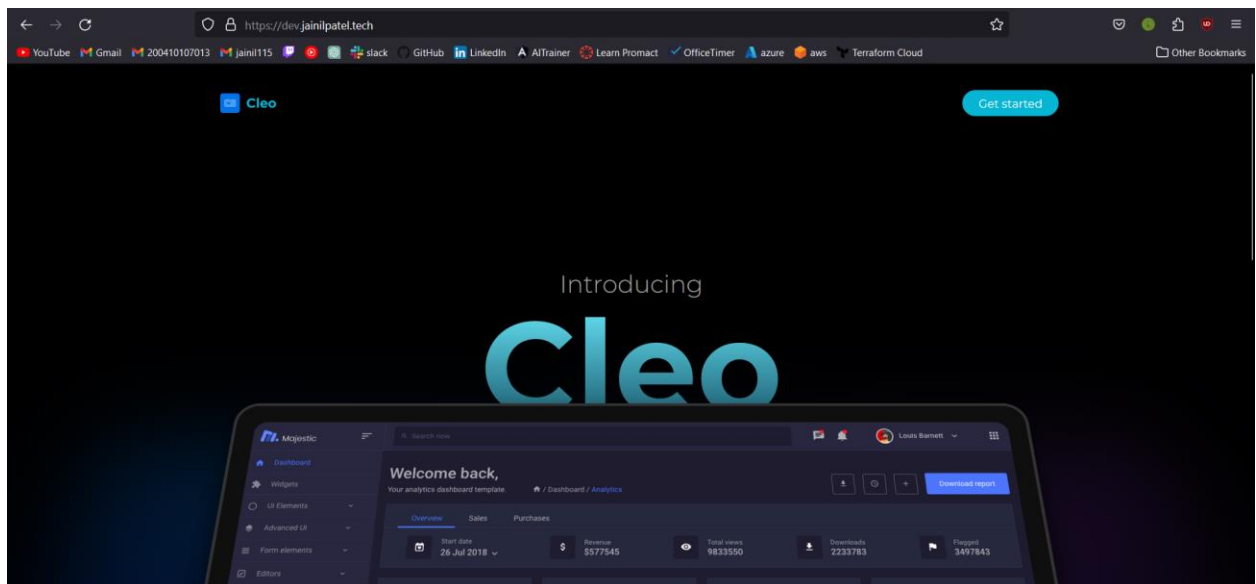
```

module.ecs.aws_ecs_service.this: Still creating... [2m30s elapsed]
module.lb.aws_lb.this: Still creating... [2m40s elapsed]
module.ecs.aws_ecs_service.this: Still creating... [2m40s elapsed]
module.lb.aws_lb.this: Still creating... [2m50s elapsed]
module.ecs.aws_ecs_service.this: Still creating... [2m50s elapsed]
module.lb.aws_lb.this: Still creating... [3m0s elapsed]
module.ecs.aws_ecs_service.this: Still creating... [3m0s elapsed]
module.lb.aws_lb.this: Still creating... [3m10s elapsed]
module.ecs.aws_ecs_service.this: Still creating... [3m10s elapsed]
module.lb.aws_lb.this: Creation complete after 3m14s [id=arn:aws:elasticloadbalancing:ap-south-1:171358186705:loadbalancer/app/dev-asg-lb/a8a4ee7df8439dc1]
module.ecs.aws_ecs_service.this: Still creating... [3m20s elapsed]
module.hosted_zone.aws_route53_record.this: Creating...
module.lb.aws_lb_listener.this: Creating...
module.lb.aws_lb_listener.redirect: Creating...
module.ecs.aws_ecs_service.this: Still creating... [3m30s elapsed]
module.lb.aws_lb_listener.redirect: Still creating... [10s elapsed]
module.lb.aws_lb_listener.this: Still creating... [10s elapsed]
module.hosted_zone.aws_route53_record.this: Still creating... [10s elapsed]
module.ecs.aws_ecs_service.this: Still creating... [3m40s elapsed]
module.lb.aws_lb_listener.redirect: Creation complete after 12s [id=arn:aws:elasticloadbalancing:ap-south-1:171358186705:Listener/app/dev-asg-lb/a8a4ee7df8439dc1/a76c77cf4127f781]
module.lb.aws_lb_listener.this: Creation complete after 12s [id=arn:aws:elasticloadbalancing:ap-south-1:171358186705:Listener/app/dev-asg-lb/a8a4ee7df8439dc1/cd809903fbd552f]
module.ecs.aws_ecs_service.this: Creation complete after 3m41s [id=arn:aws:ecs:ap-south-1:171358186705:service/dev-ecs-cluster/dev-ecs-service]
module.hosted_zone.aws_route53_record.this: Still creating... [20s elapsed]
module.hosted_zone.aws_route53_record.this: Still creating... [30s elapsed]
module.hosted_zone.aws_route53_record.this: Still creating... [40s elapsed]
module.hosted_zone.aws_route53_record.this: Still creating... [50s elapsed]
module.hosted_zone.aws_route53_record.this: Still creating... [1m0s elapsed]
module.hosted_zone.aws_route53_record.this: Creation complete after 1m9s [id=Z0549466DASBU2WLXHRU_dev.jainilpatel.tech_A]
Releasing state lock. This may take a few moments...

Apply complete! Resources: 28 added, 0 changed, 0 destroyed.

```

3. Then you will be able to see the website working on the dev.jainilpatel.tech in this case:



GitHub actions:

1. Github repo link is <https://github.com/Jainil115/cleo-devops>
2. Make changes in a branch and commit it for CI/CD workflow to run.

Summary

Jobs

- build

Run details

- Usage
- Workflow file

build

succeeded now in 7m 43s

Beta Give feedback Search logs

> ✓ Infra Checkout	0s
> ✓ Terraform setup	2s
> ✓ Terraform Output	15s
> ✓ Github Checkout	1s
> ✓ Configure AWS credentials	1s
> ✓ Login to Amazon ECR	5s
> ✓ Build, tag, and push image to Amazon ECR	3m 57s
> ✓ Fill in the new image ID in the Amazon ECS task definition	0s
> ✓ Deploy Amazon ECS task definition	3m 16s
> ✓ Post Login to Amazon ECR	0s
> ✓ Post Configure AWS credentials	1s
> ✓ Post Github Checkout	0s
> ✓ Post Infra Checkout	0s
> ✓ Complete job	0s

3. Now the change made are being reflected on the website:

← → ↻ https://dev.jainipatel.tech/main/managers

YouTube Gmail 200410107013 jainil115 slack GitHub LinkedIn AITrainer Learn Promact OfficeTimer azure aws Terraform Cloud Other Bookmarks

Customer success

search


Projects

Managers

Employees

Settings

AD



Development Work underway Edited by Jainil Again !!! Development Final, By Vivek Kadam!!