

# GitHub Action

- Criado no GitHub Action todo o processo automatizado com Terraform CI do deploy do Ambiente AWS (EC2, VPC e etc...)
- GitHub Action está configurado para quando houver alteração dentro da pasta "ec2" cria um “pull request”
- Aprovando o “pull”, inicia o merge automaticamente (o processo de deploy com o Terraform CI via Workflow do Action)

## Exemplo:

- Processos Git

```
git checkout -b fix2

git add .

git commit -m "Atualizando main.tf"

git push -u origin fix2
```

luizcarlos16 / desafio\_kroton\_luiz

<> Code Issues Pull requests Actions Projects Wiki Security Insights Settings

fix2 had recent pushes less than a minute ago [Compare & pull request](#)

master 3 branches 0 tags [Go to file](#) [Add file](#) [Code](#)

luizcarlos16 Merge pull request #1 from luizcarlos16/fix1 238473d 8 minutes ago 4 commits

.github/workflows	Primeiro Commit	29 minutes ago
doc	Atualizando user-data.sh	8 minutes ago
ec2	Atualizando user-data.sh	8 minutes ago
.gitignore	Primeiro Commit	29 minutes ago
README.md	Primeiro Commit	29 minutes ago

README.md

## Desafio\_kroton

Para replicar este ambiente:

- fazer o "git clone" do projeto.
- acessar a pasta "ec2" do projeto dentro de "desafio\_kroton\_luiz"

Obs.: Lembrando que você tem que fazer o "export" da sua "AWS\_ACCESS\_KEY\_ID", "AWS\_SECRET\_ACCESS\_KEY" e também "AWS\_DEFAULT\_REGION"

## Open a pull request

Create a new pull request by comparing changes across two branches. If you need to, you can also [compare across forks](#).



base: master ▾



compare: fix2 ▾

✓ **Able to merge.** These branches can be automatically merged.



Atualizando main.tf

Write

Preview

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Leave a comment

Attach files by dragging & dropping, selecting or pasting them.

M4

Create pull request



ⓘ Remember, contributions to this repository should follow our [GitHub Community Guidelines](#).

## Atualizando main.tf #2



Open

luizcarlos16 wants to merge 1 commit into `master` from `fix2` 📄



Conversation 0

Commits 1

Checks 0

Files changed 1



luizcarlos16 commented 1 minute ago

Owner



No description provided.



Atualizando main.tf

a0f4c34

Add more commits by pushing to the `fix2` branch on [luizcarlos16/desafio\\_kroton\\_luiz](#).



**This branch has no conflicts with the base branch**

Merging can be performed automatically.

Merge pull request



You can also open this in [GitHub Desktop](#) or view [command line instructions](#).



Write

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Leave a comment

Attach files by dragging & dropping, selecting or pasting them.

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🔗 Close pull request

Comment

luizcarlos16 / desafio\_kroton\_luiz

<> Code

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Unwatch1

Workflows

New workflow

All workflows

Terraform CI

All workflows

Showing runs from all workflows

Filter workflow runs

4 workflow runs

EventStatusBranchActor

Merge pull request #3 from luizcarlos16/fix3

Terraform CI #6: Commit 4fa34dc pushed by luizcarlos16

master

10 minutes ago

2m 12s

Fix3

Terraform CI #5: Pull request #3 opened by luizcarlos16

fix3

10 minutes ago

30s

Atualizando user-data.sh

Terraform CI #2: Pull request #1 opened by luizcarlos16

fix1

27 minutes ago

26s

Primeiro Commit

Terraform CI #1: Commit 9229b7c pushed by luizcarlos16

master

1 hour ago

22s

luizcarlos16 / desafio\_kroton\_luiz

<> Code

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Unwatch1

Star0

Fork0

Merge pull request #3 from luizcarlos16/fix3 Terraform CI #6

Re-run jobs

Summary

Jobs

Terraform

Triggered via push 11 minutes ago

luizcarlos16 pushed -> 4fa34dc master

Status

Success

Total duration

2m 12s

Artifacts

-

ec2.yaml

on: push

Terraform

2m 2s

Summary

Jobs

Terraform

Terraform

succeeded 9 minutes ago in 2m 2s

Search logs

Run actions/github-script@0.9.0

8s

Terraform Apply

1m 51s

1

Run terraform apply -auto-approve

8

/home/runner/work/\_temp/36cad6b4-e7de-497f-813e-4f81598de668/terraform-bin apply -auto-approve

9

10

11

Terraform used the selected providers to generate the following execution plan. Resource actions are indicated with the following symbols:

12

+ create

13

14

Terraform will perform the following actions:

15

16

# aws\_ebs\_volume.ebs-volume-1 will be created

17

+ resource "aws\_ebs\_volume" "ebs-volume-1" {

18

+ arn = (known after apply)

19

+ availability\_zone = "us-east-1a"

20

+ encrypted = (known after apply)

21

+ id = (known after apply)

22

+ iops = (known after apply)

23

+ kms\_key\_id = (known after apply)

24

+ size = 10

25

+ snapshot\_id = (known after apply)

26

+ tags = {

27

+ "Name" = "volume para log nginx"

28

}

29

+ tags\_all = {

30

+ "Name" = "volume para log nginx"

31

}

32

+ throughput = (known after apply)

33

+ type = "gp2"

34

}

35

36

# aws\_eip.jvm-nat-eip will be created

37

+ resource "aws\_eip" "jvm-nat-eip" {

38

+ allocation\_id = (known after apply)

39

+ association\_id = (known after apply)

40

+ carrier\_ip = (known after apply)

41

+ customer\_owned\_ip = (known after apply)

42

+ domain = (known after apply)

43

+ id = (known after apply)

44

+ instance = (known after apply)

45

+ network\_border\_group = (known after apply)

Summary

Jobs

Terraform

Terraform

succeeded 10 minutes ago in 2m 2s

Terraform Apply

```
337 aws_route_table.jvnr-private-rt: Creation complete after 1s [id=rtb-02a0bb9c34c96af32]
338 aws_route_table.jvnr-private-rt: Creating...
339 aws_subnet.jvnsn-private: Creating...
340 aws_internet_gateway.terragatwey: Creating...
341 aws_subnet.jvnsn-public: Creating...
342 aws_security_group.jvnSG: Creating...
343 aws_route_table.jvnr-private-rt: Creation complete after 1s [id=rtb-02a0bb9c34c96af32]
344 aws_subnet.jvnsn-private: Creation complete after 1s [id=subnet-06b527facbdf4970e]
345 aws_route_table_association.jvnr-private-rta: Creating...
346 aws_subnet.jvnsn-public: Creation complete after 1s [id=subnet-007872aa8255fb7b3]
347 aws_internet_gateway.terragatwey: Creation complete after 1s [id=igw-0d706c243fcf49324]
348 aws_eip.jvn-nat-eip: Creating...
349 aws_route_table.jvnr-public-rt: Creating...
350 aws_route_table_association.jvnr-private-rta: Creation complete after 0s [id=rtbassoc-09c07b12cbbff2d77]
351 aws_route_table.jvnr-public-rt: Creation complete after 0s [id=rtb-003a1e5e35a088ac5]
352 aws_route_table_association.jvnr-public-rta: Creating...
353 aws_eip.jvn-nat-eip: Creation complete after 0s [id=eipalloc-04e4bfb8e8e5d3482]
354 aws_nat_gateway.jvnGW-nat: Creating...
355 aws_route_table_association.jvnr-public-rta: Creation complete after 1s [id=rtbassoc-0d8538d853ba209fa]
356 aws_security_group.jvnSG: Creation complete after 2s [id=sg-0c871c826590e0b0d]
357 aws_instance.desafio_kroton: Creating...
358 aws_nat_gateway.jvnGW-nat: Still creating... [11s elapsed]
359 aws_instance.desafio_kroton: Still creating... [10s elapsed]
360 aws_nat_gateway.jvnGW-nat: Still creating... [21s elapsed]
361 aws_instance.desafio_kroton: Still creating... [20s elapsed]
362 aws_nat_gateway.jvnGW-nat: Still creating... [31s elapsed]
363 aws_instance.desafio_kroton: Still creating... [30s elapsed]
364 aws_instance.desafio_kroton: Creation complete after 32s [id=i-09c2c7ad94adae76b]
365 aws_volume_attachment.ebs-volume-1-attachment: Creating...
366 aws_nat_gateway.jvnGW-nat: Still creating... [41s elapsed]
367 aws_volume_attachment.ebs-volume-1-attachment: Still creating... [10s elapsed]
368 aws_nat_gateway.jvnGW-nat: Still creating... [51s elapsed]
369 aws_volume_attachment.ebs-volume-1-attachment: Still creating... [20s elapsed]
370 aws_volume_attachment.ebs-volume-1-attachment: Creation complete after 22s [id=vai-1961598827]
371 aws_nat_gateway.jvnGW-nat: Still creating... [1m1s elapsed]
372 aws_nat_gateway.jvnGW-nat: Still creating... [1m11s elapsed]
373 aws_nat_gateway.jvnGW-nat: Still creating... [1m21s elapsed]
374 aws_nat_gateway.jvnGW-nat: Still creating... [1m31s elapsed]
375 aws_nat_gateway.jvnGW-nat: Creation complete after 1m35s [id=nat-0f97f3a3615d9aff6]
376
377 Apply complete! Resources: 14 added, 0 changed, 0 destroyed.
378 ::debug::Terraform exited with code 0.
```

luizcarlos16 / desafio\_kroton\_luiz

Unwatch 1

Star 0

Fork 0

<> Code

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Merge pull request #3 from luizcarlos16/fix3 Terraform CI #6

Re-run jobs

Summary

Jobs

Terraform

Terraform

succeeded 10 minutes ago in 2m 2s

Set up job

Checkout

Setup Terraform

Terraform Init

Terraform Format

Terraform Plan

Run actions/github-script@0.9.0

Terraform Apply

Post Checkout

Complete job

```
1 Post job cleanup.
2 /usr/bin/git version
3 git version 2.32.0
4 /usr/bin/git config --local --name-only --get-regexp core.sshCommand
5 /usr/bin/git submodule foreach --recursive git config --local --name-only --get-regexp 'core.sshCommand' && git config --local --unset-all 'core.sshCommand' || :
6 /usr/bin/git config --local --name-only --get-regexp http.https://github.com/.extraheader
7 http.https://github.com/.extraheader
8 /usr/bin/git config --local --unset-all http.https://github.com/.extraheader
9 /usr/bin/git submodule foreach --recursive git config --local --name-only --get-regexp 'http.https://github.com/.extraheader' && git config --local --unset-all 'http.https://github.com/.extraheader' || :
10
11 Complete job
```

1. Cleaning up orphan processes

Instâncias (1/1) Informações

Filter instances

Estado da instância: running

Limpar filtros

<input checked="" type="checkbox"/>	Name	ID de instância	Estado da inst...	Tipo de inst...	Verificação de s...	Status do al...	Zona de dispon...	DNS IPv4 público	Endereço IP...
<input checked="" type="checkbox"/>	Desafio_Kroton	i-09c2c7ad94adae76b	Executando	t2.micro	Inicializando	Sem alar...	us-east-1a	ec2-3-216-28-168.com...	3.216.28.168

< > ↻

Não seguro

3.216.28.168

# Deployed via Terraform - Desafio Kronton - by Luiz Carlos Nascimento Junior

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Não seguro

3.216.28.168/index.nginx-debian.html

## Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to [nginx.org](https://nginx.org). Commercial support is available at [nginx.com](https://nginx.com).

Thank you for using nginx.