First the installation of terraform



Then adding the GPG Key from HashiCorp and the repository





Later update to add the repository and install the Terraform CLI.



We verify if terraform its installed

Texto

Descripción generada automáticamente

Now we’re going to create the files needed

First, we created the main.tf

terraform {

required\_providers {

docker = {

source = "kreuzwerker/docker"

version = "~> 2.13.0"

}

}

}

provider "docker" {}

resource "docker\_image" "nginx" {

name = "nginx:latest"

keep\_locally = false

}

resource "docker\_container" "nginx" {

image = docker\_image.nginx.latest

name = "tutorial"

ports {

internal = 80

external = 8000

}

}

We’re going to init the file

Texto

Descripción generada automáticamente

We’re going to create the terraform.tfstate

# docker\_container.nginx:

resource "docker\_container" "nginx" {

attach = false

command = [

"nginx",

"-g",

"daemon off;",

]

cpu\_shares = 0

entrypoint = [

"/docker-entrypoint.sh",

]

env = []

gateway = "172.17.0.1"

hostname = "2834ad628337"

id = "2834ad6283372ceb61121739ce71d31cb0237ad50f4dc234e3445c9445439181"

image = "sha256:d1a364dc548d5357f0da3268c888e1971bbdb957ee3f028fe7194f1d61c6fdee"

init = false

ip\_address = "172.17.0.2"

ip\_prefix\_length = 16

ipc\_mode = "private"

log\_driver = "json-file"

logs = false

max\_retry\_count = 0

memory = 0

memory\_swap = 0

must\_run = true

name = "tutorial"

network\_data = [

{

gateway = "172.17.0.1"

global\_ipv6\_address = ""

global\_ipv6\_prefix\_length = 0

ip\_address = "172.17.0.2"

ip\_prefix\_length = 16

ipv6\_gateway = ""

network\_name = "bridge"

},

]

network\_mode = "default"

privileged = false

publish\_all\_ports = false

read\_only = false

remove\_volumes = true

restart = "no"

rm = false

security\_opts = []

shm\_size = 64

start = true

stdin\_open = false

tty = false

ports {

external = 8000

internal = 80

ip = "0.0.0.0"

protocol = "tcp"

}

}

# docker\_image.nginx:

resource "docker\_image" "nginx" {

id = "sha256:d1a364dc548d5357f0da3268c888e1971bbdb957ee3f028fe7194f1d61c6fdeenginx:latest"

keep\_locally = false

latest = "sha256:d1a364dc548d5357f0da3268c888e1971bbdb957ee3f028fe7194f1d61c6fdee"

name = "nginx:latest"

}