provider "google" {

project = var.project\_id

region = var.region

}

//VPC

resource "google\_compute\_network" "vaishu" {

name = "vpc"

auto\_create\_subnetworks = false

}

//Sub Network

resource "google\_compute\_subnetwork" "vaishu-sub" {

name = var.sub

region = var.region

ip\_cidr\_range = var.ip\_cidr

network = google\_compute\_network .vaishu.name

}

//Firewall

resource "google\_compute\_firewall" "vaishu-firewall" {

name = var.firewall

network = google\_compute\_network.vaishu.name

allow {

protocol = "icmp"

}

allow {

protocol = "tcp"

ports = ["80","8080","22"]

}

source\_tags = ["vaishu-vpc-ssh"]

source\_ranges = ["0.0.0.0/0"]

}

// Service Account

resource "google\_service\_account" "terraform" {

account\_id = "serviceaccountid"

display\_name = "Service\_account"

}

// VM Instance

resource "google\_compute\_instance" "vaishu-vpc" {

name = "vaish-vpc1"

machine\_type = var.machine\_type

zone = var.zone

tags = ["vaishu-vpc1-ssh","http","https"]

boot\_disk {

initialize\_params {

image = var.rom

}

}

network\_interface {

network = google\_compute\_network.vaishu.name

subnetwork = google\_compute\_subnetwork.vaishu-sub.name

access\_config {

}

}

metadata ={

ssh-keys = "${var.user}:${file("${var.ssh\_public\_key}")}"

}

provisioner "remote-exec" {

inline = ["echo 'Hello World'"]

connection {

host = "${google\_compute\_instance.vaishu-vpc.network\_interface.0.access\_config.0.nat\_ip}"

type = "ssh"

user = "${var.user}"

private\_key = "${file("${var.ssh\_private\_key}")}"

}

}

provisioner "local-exec" {

command = "ansible-playbook -i '${google\_compute\_instance.vaishu-vpc.network\_interface.0.access\_config.0.nat\_ip},' --private-key ${var.ssh\_private\_key} ansible.yml"

}

service\_account {

email = google\_service\_account.terraform.email

scopes = ["cloud-platform"]

}

}