Terraform Assignment 1 BY Swapnil Jadhav

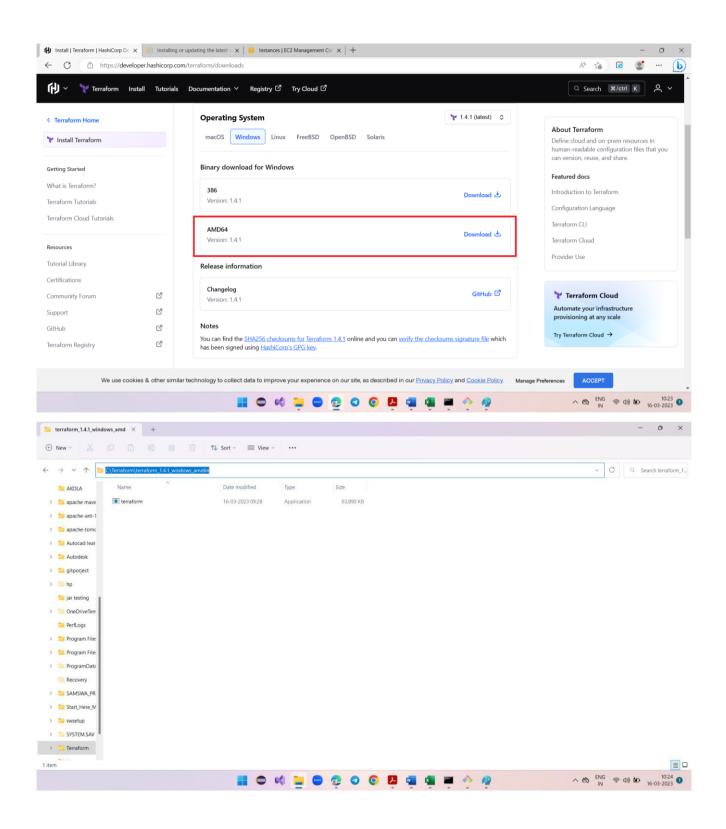
You have been hired as a DevOps Engineer for automating the configuration of an organization XYZ Pvt Ltd. The company would like to distribute its infrastructure across 3 cloud platform, AWS, Azure and GCP. The organization has decided to use Terraform to provision its infrastructure across these cloud platforms.

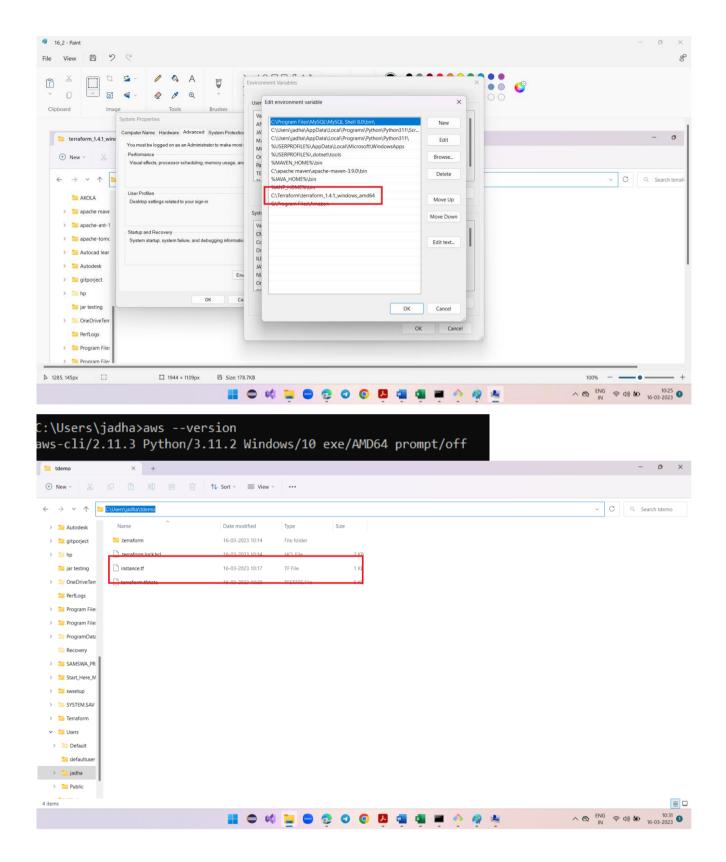
As a pilot project, organization would want you to provision the infrastructure on AWS environment.

You are requested to create an EC2 machine with following configuration.

1. Instance Name: Terraform hands-on

2. Instance type: t2.micro





```
Swapnil@SJ-Laptop MINGW64 ~/tdemo
$ cat instance.tf
provider "aws" {
region = "ap-south-1"
   #access_key=""
   #secret_kev=""
resource "aws_instance" "demo" {
     ami = "ami-0d81306eddc614a45"
     instance_type= "t2.micro"
     availability_zone = "ap-south-1a"
     key_name=""
     vpc_security_group_ids=["sg-0977000e87e
995aa5"1
     tags = {
            Name = "Terraform_hands_on"
             top MINGW64 ~/tdemo
 terraform init
Initializing the backend...
Initializing provider plugins...
- Finding latest version of hashicorp/aws.
  Installing hashicorp/aws v4.58.0..
 Installed hashicorp/aws v4.58.0 (signed
by HashiCorp)
Terraform has created a lock file .terraform.lock.hcl to record the provider selections it made above. Include this file in your version control repository
so that Terraform can guarantee to make the e same selections by default when you run "terraform init" in the future.
Terraform has been successfully initialize
Try running "terraform plan" to see
any changes that are required for your inf
rastructure. All Terraform commands
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```

Swapnil@SJ-Laptop MINGW64 ~/tdemo \$ terraform validate Success! The configuration is valid.

```
Swapnil@SJ-Laptop MINGW64 ~/tdemo
$ terraform plan
Terraform used the selected providers to g
enerate the following execution
plan. Resource actions are indicated with the following symbols:
  + create
Terraform will perform the following actio
  # aws_instance.demo will be created
+ resource "aws_instance" "demo" {
   = "ami-0d81306eddc614a45"
       + arn
      (known after apply)
        associate_public_ip_address
   = (known after apply)
+ availability_zone
= "ap-south-1a"
        cpu_core_count
      (known after apply)
         cpu_threads_per_core
     (known after apply)
+ disable_api_stop
                                                                                                🔡 👄 🗱 📴 🚭 🔞 🕡 🔼 🝱 🝱 🗥 🚸
MINGW64:/c/Users/jadha/tdemi
 swapnil@SJ-Laptop MINGW64 ~/tdemo
$ terraform apply
Terraform used the selected providers to g
enerate the following execution
plan. Resource actions are indicated with the following symbols:
  + create
Terraform will perform the following actio
  # aws_instance.demo will be created
+ resource "aws_instance" "demo" {
       + ami
     "ami-0d81306eddc614a45"
       + arn
      (known after apply)
        associate_public_ip_address
   = (known after apply)
+ availability_zone
= "ap-south-1a"
     + cpu_core_count (known after apply)
         cpu_threads_per_core
     (known after apply)
+ disable_api_stop
```

