Project: create a simple project creating AWS s3 bucket using terraform resources.

1. Create a ubuntu server

I. launch instance and give name ubuntu.

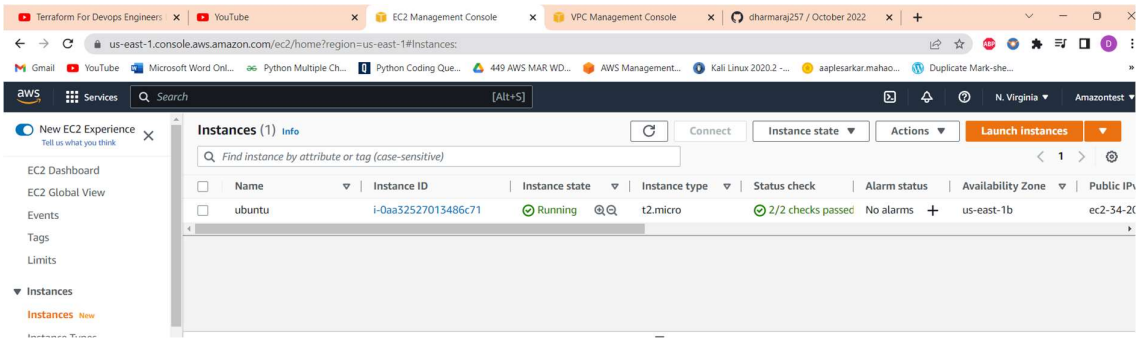
ii. select ubuntu and t2. micro-CPU

iii. download a new keypair.

iv. select default VPC

v. In security group allows ssh, https and http allow anywhere.

vi. launch instance.



2. Log in to the ubuntu server using putty

I. copy the public IPv4 and paste on the putty.

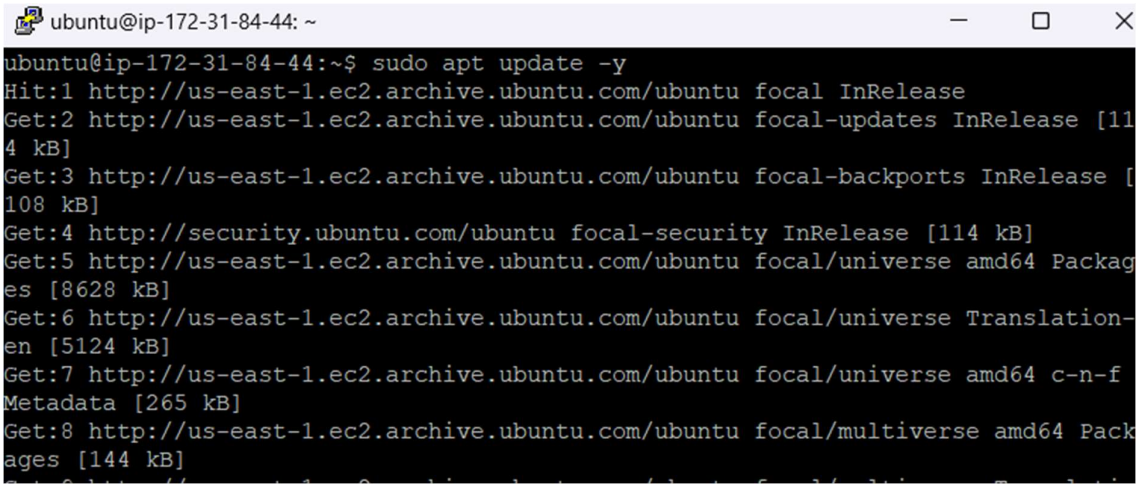
II. Select ssh and go to the authentication and upload the ppk file

III. Then put password ubuntu and log in.

3. Update the server

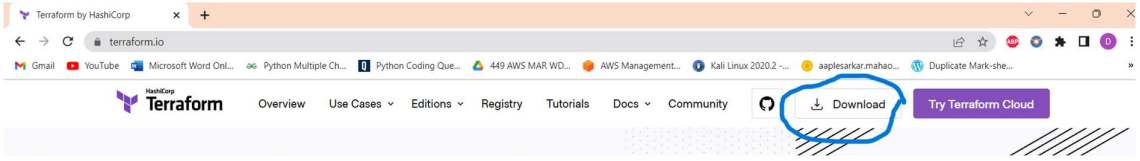
I. use to update server use command

II. Sudo apt update -y

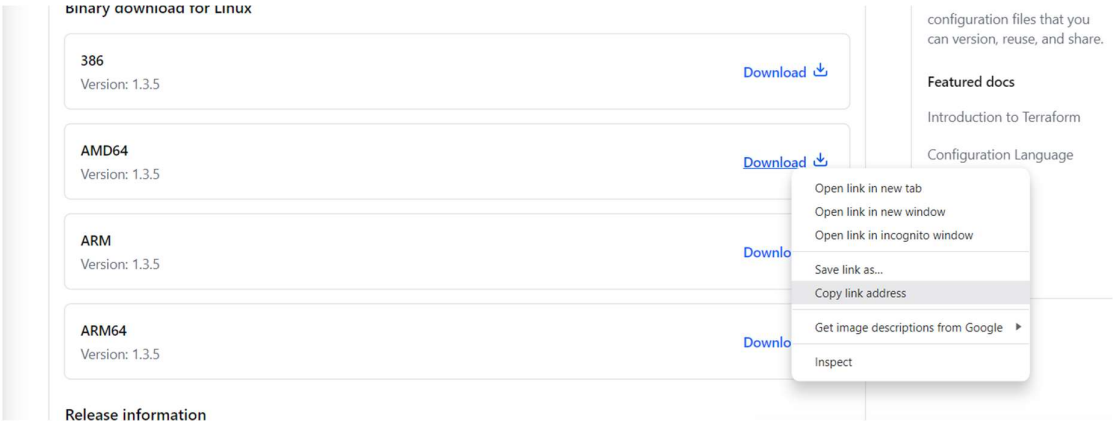


4. Install the terraform on the server.

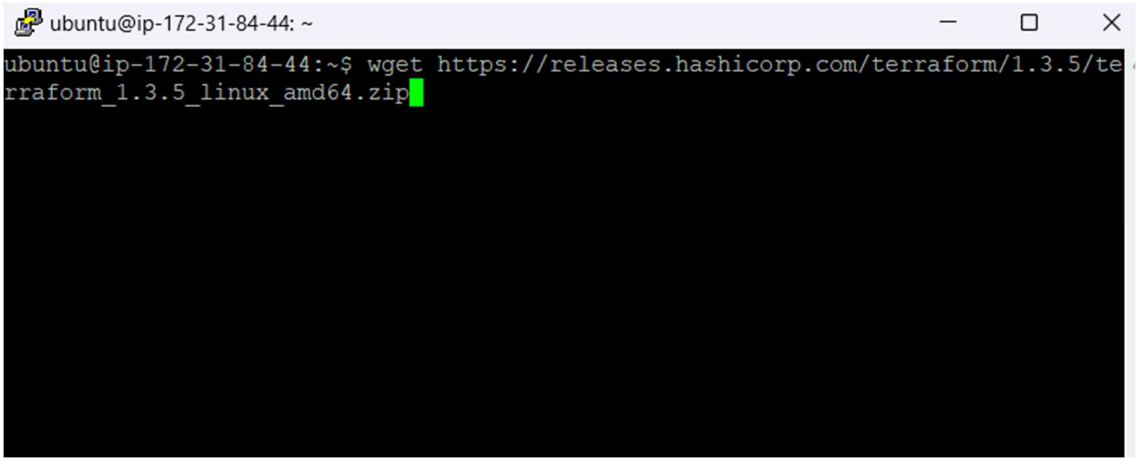
I. visit https://www.terraform.io/ and click the download button



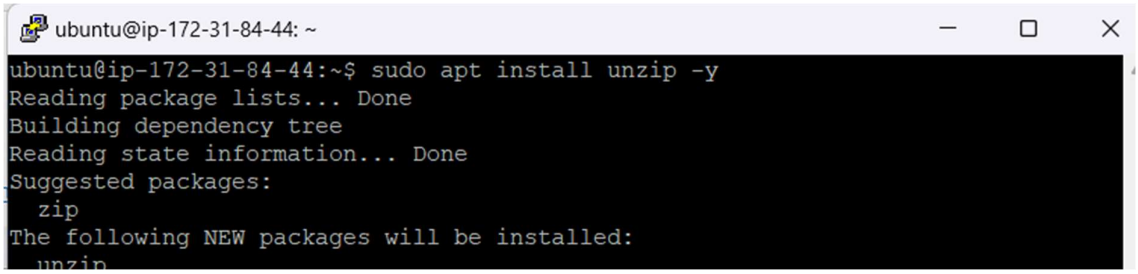
II. select Linux amd64 and copy the link address



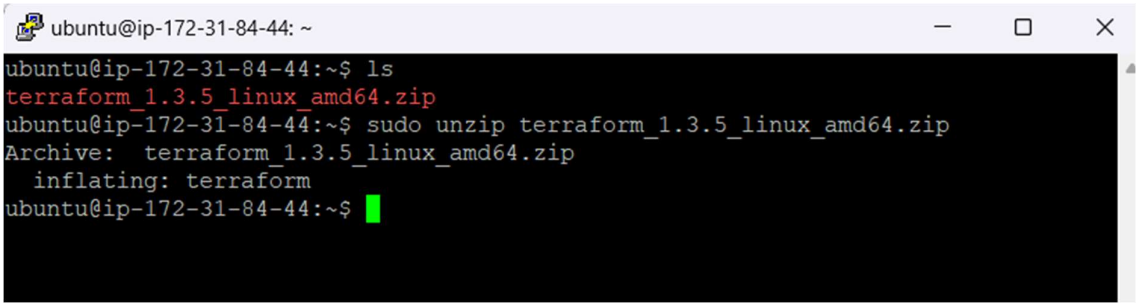
III. Paste on the server wget
https://releases.hashicorp.com/terraform/1.3.4/terraform_1.3.4_linux_amd64.zip



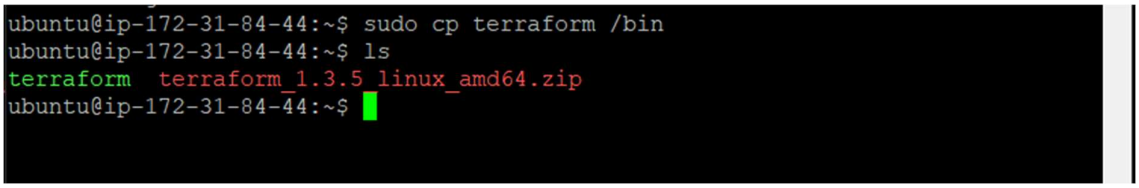
IV. Sudo apt install unzip -y



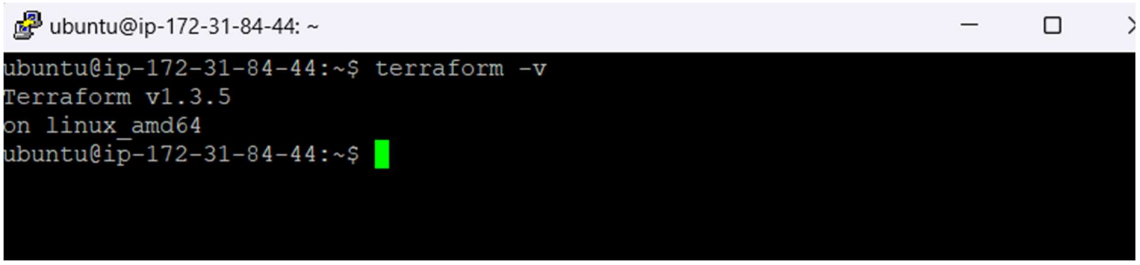
V. Sudo unzip terraform_1.3.4_linux_amd64.zip



VI. Sudo cp terraform /bin

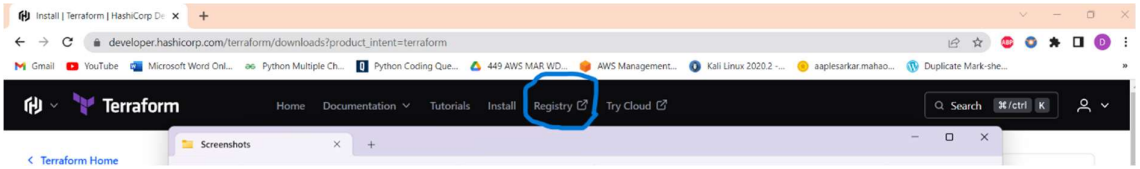


VII. terraform -v

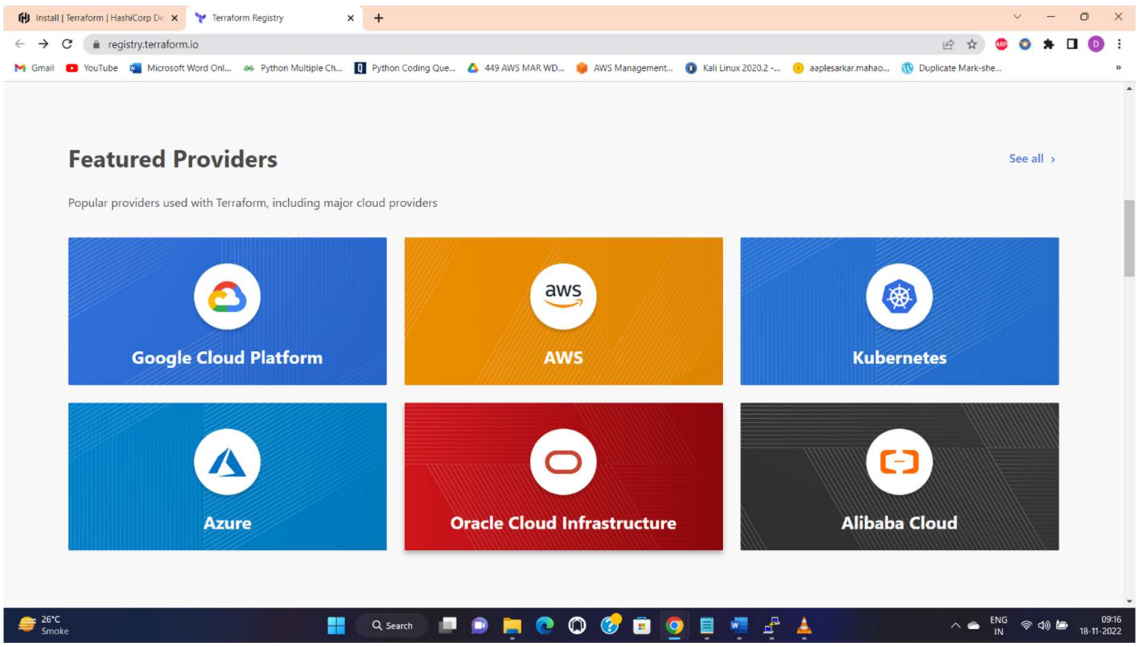


5. Select registry and create s3 bucket

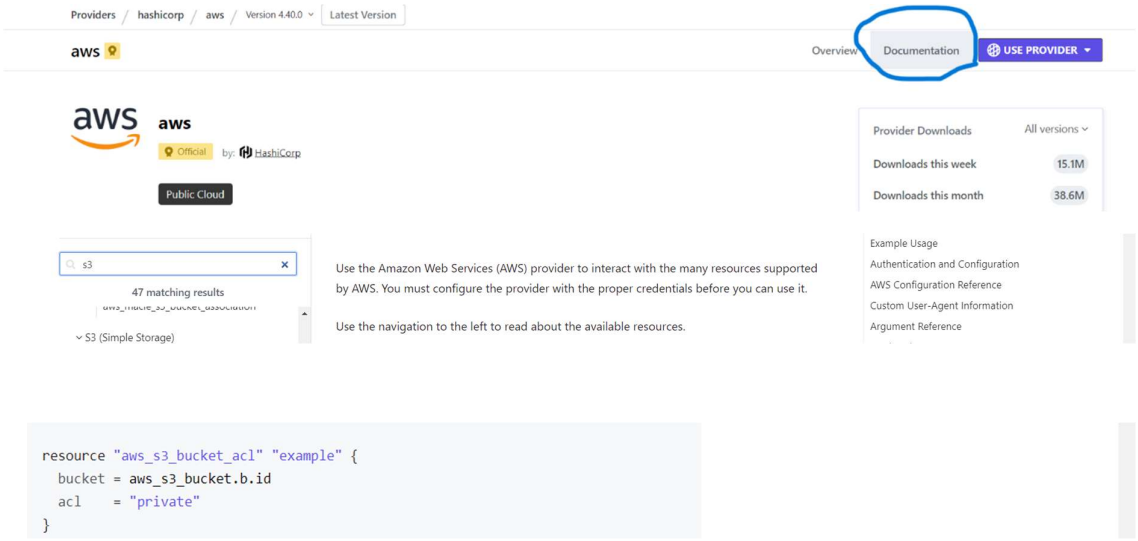
I. Go to the home page and click on the registry



ii. Then select the AWS provider and go to the documentation



iii. search s3 and copy the resource s3 bucket

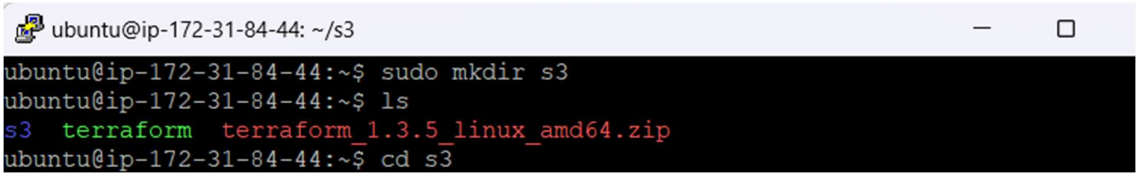



```
resource "aws_s3_bucket_acl" "example" {
  bucket = aws_s3_bucket.b.id
  acl    = "private"
}
```

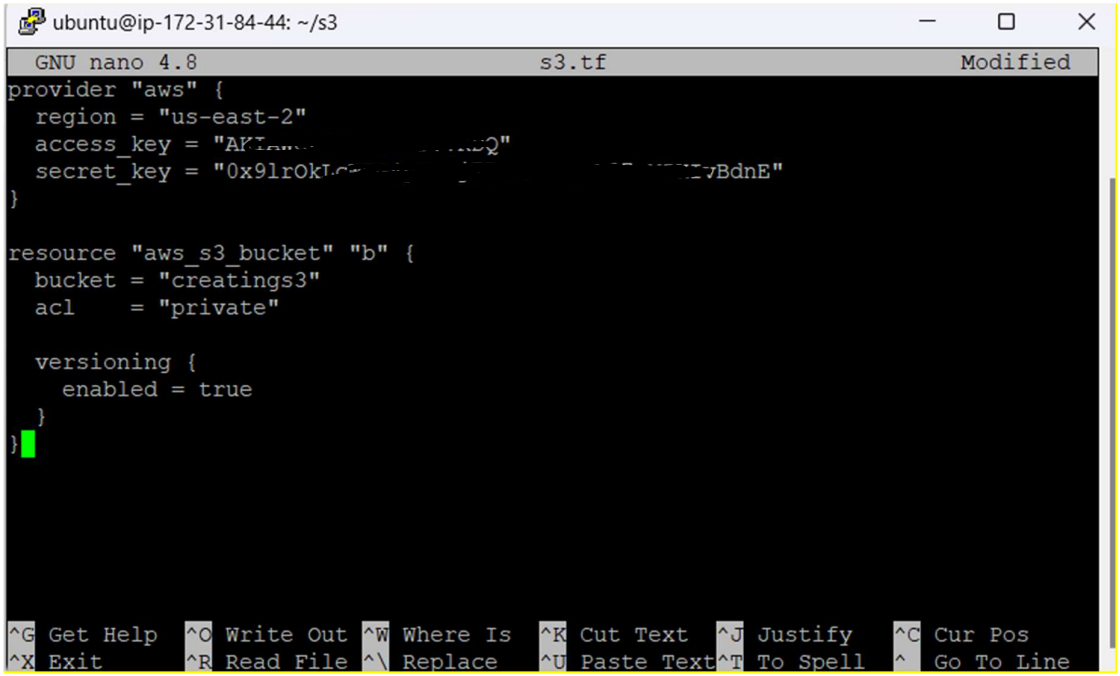
iv. and the provider, region, access key, secret key

```
provider "aws" {
  region = "us-east-2"
  access_key = "**********"
  secret_key = "0x9lrO**********W27nMZKIvBdnE"
}

resource "aws_s3_bucket" "b" {
  bucket = "creatings3"
  acl    = "private"

  versioning {
    enabled = true
  }
}
```

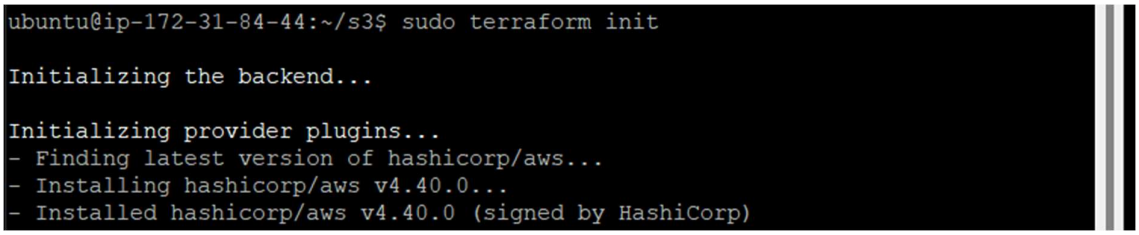
v. Create folder sudo mkdir s3 and go to the folder cd s3



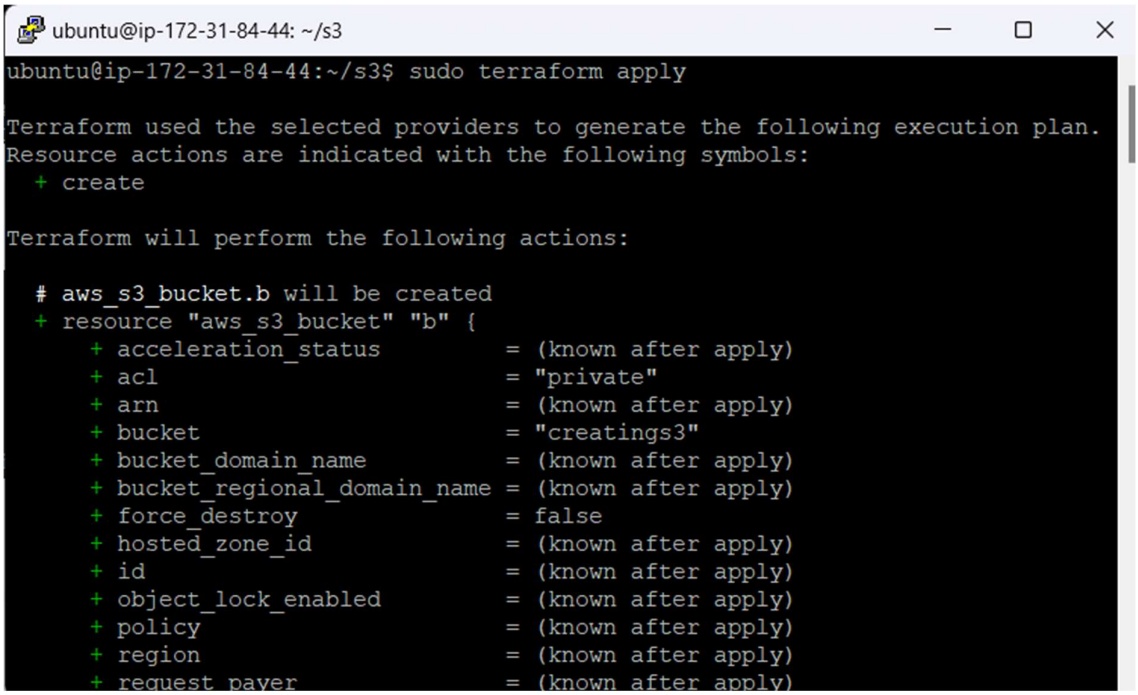
vi. sudo nano s3.tf and paste the credential



vii. Sudo terraform init



viii. sudo terrafrom apply



ix. check the output.