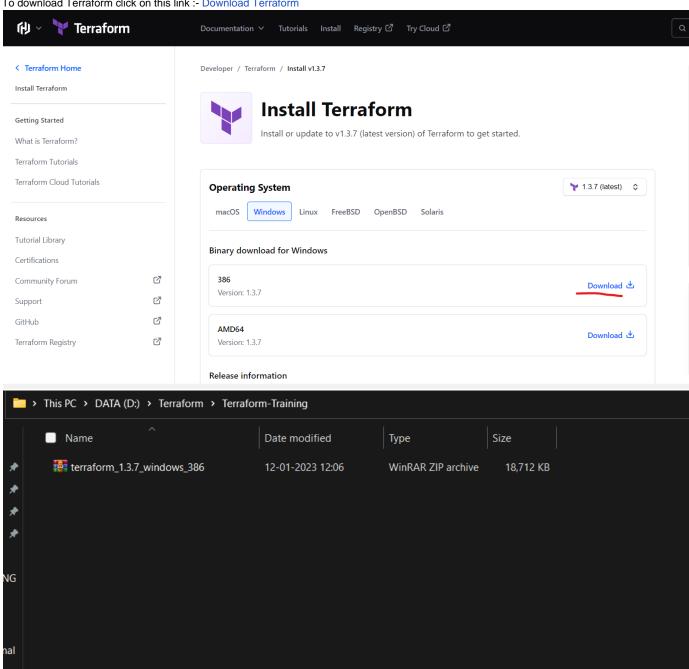
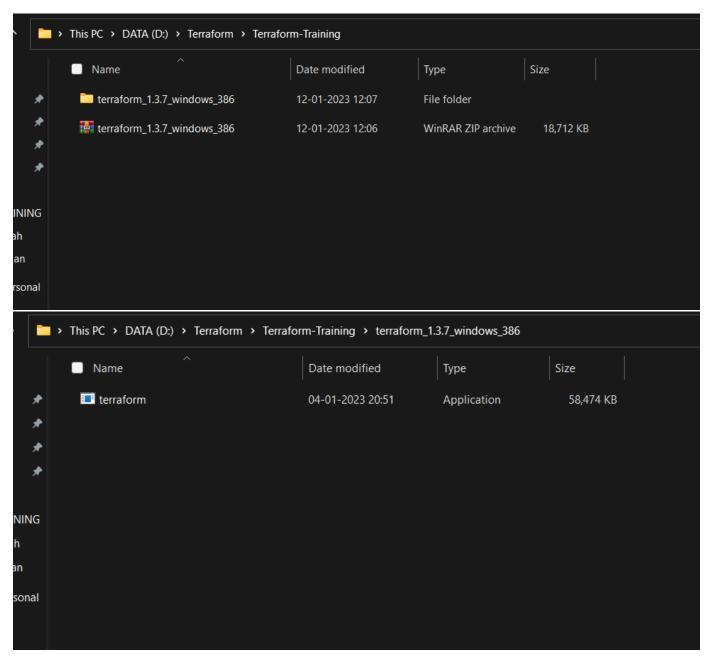
TERRAFORM LAB - By Kishan Ray

Installation of Terraform:-

To download Terraform click on this link :- Download Terraform





Now Open "cmd" and try to use "terraform" command:

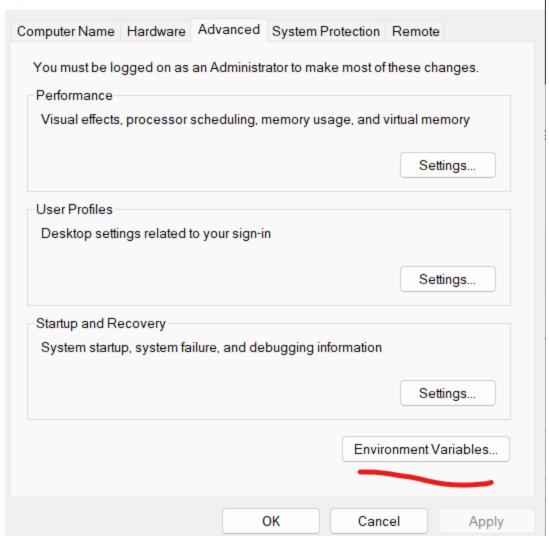
```
Microsoft Windows [Version 10.0.22000.1335]
(c) Microsoft Corporation. All rights reserved.

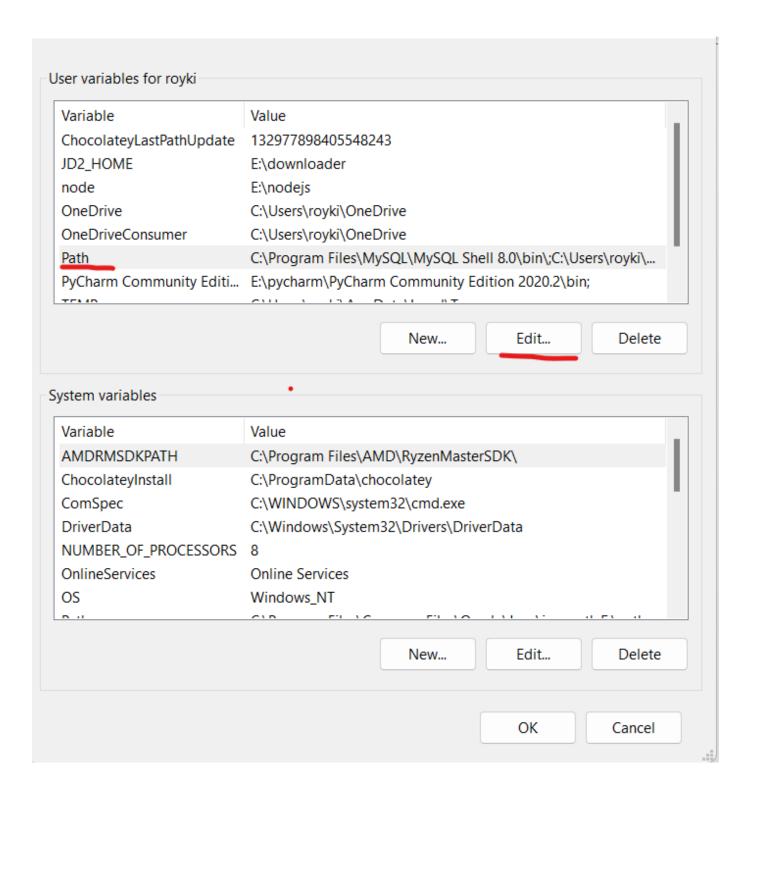
C:\Users\royki>terraform
'terraform' is not recognized as an internal or external command,
operable program or batch file.

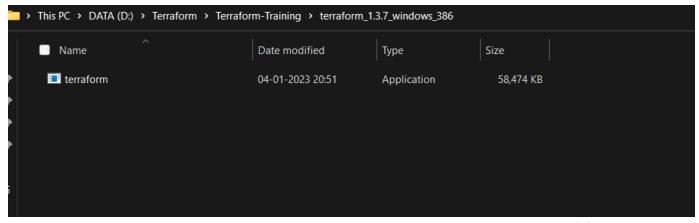
C:\Users\royki>
```

We have to add terraform as an Environment variable then only windows cmd will able to understand.

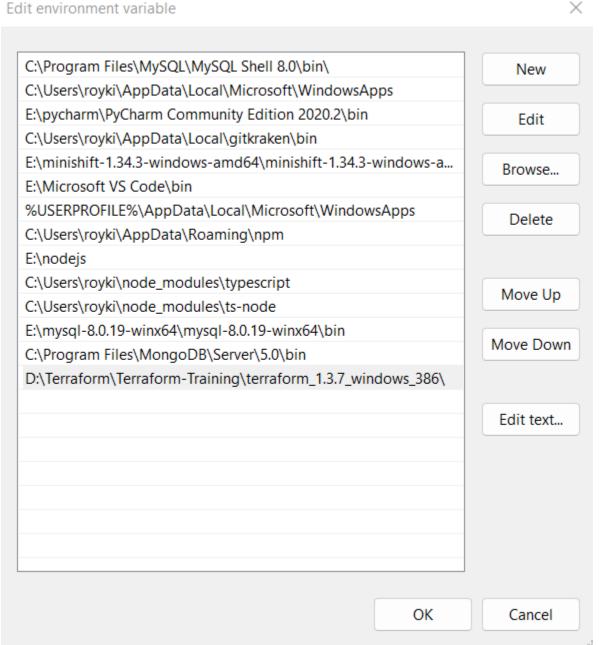
System Properties X







Edit environment variable



C:\Users\royki>terraform

Jsage: terraform [global options] <subcommand> [args]

The available commands for execution are listed below.
The primary workflow commands are given first, followed by
less common or more advanced commands.

Main commands:

init Prepare your working directory for other commands

validate Check whether the configuration is valid

plan Show changes required by the current configuration

apply Create or update infrastructure

destroy Destroy previously-created infrastructure

All other commands:

console Try Terraform expressions at an interactive command prompt

fmt Reformat your configuration in the standard style force-unlock Release a stuck lock on the current workspace get Install or upgrade remote Terraform modules

graph Generate a Graphviz graph of the steps in an operation

import Associate existing infrastructure with a Terraform resource

login Obtain and save credentials for a remote host

logout Remove locally-stored credentials for a remote host

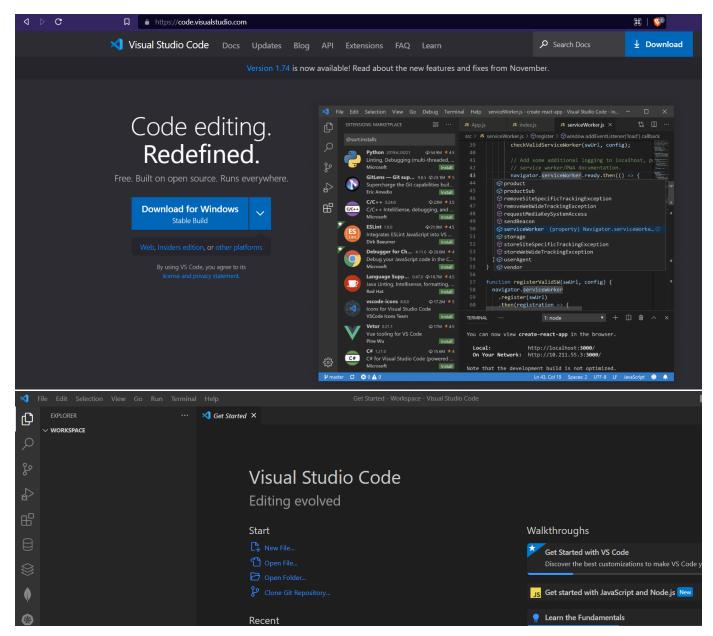
output Show output values from your root module

providers Show the providers required for this configuration

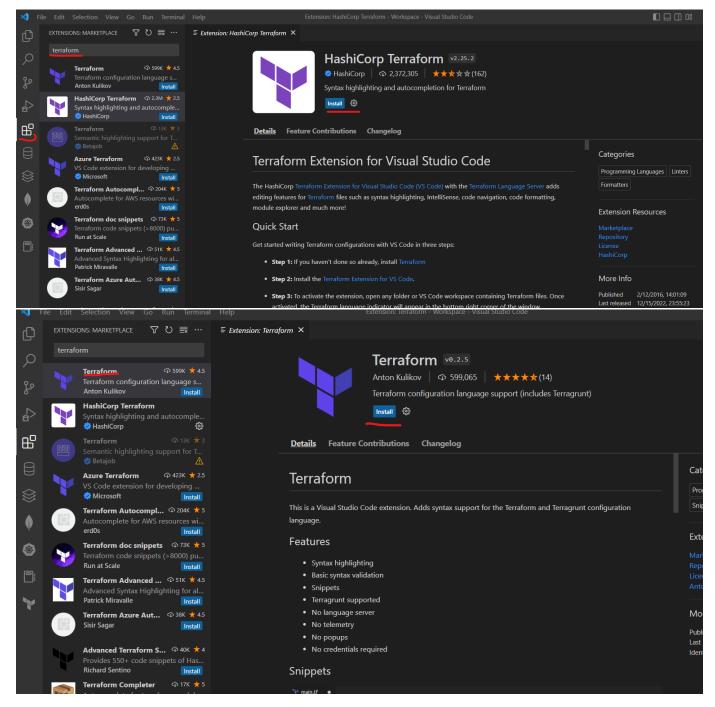
refresh Update the state to match remote systems

Install VS Code Editor

Download it from this link.



Install terraform extension



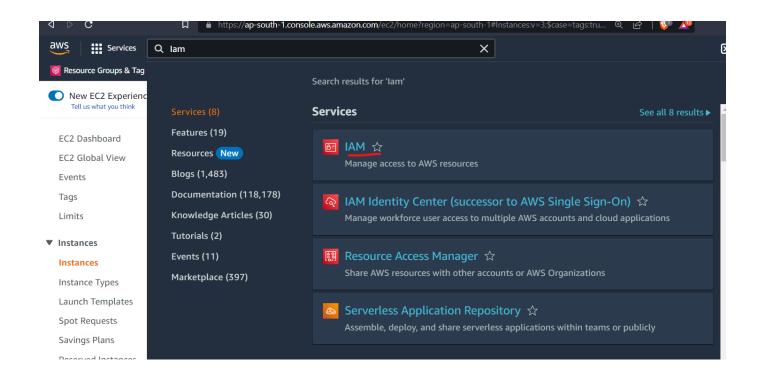
once extensions are installed then you are ready to code .

Install AWS CLI

To install aws-cli click on this link .

Once installed, create a new IAM user with power user permission and configure.

To create IAM user:-



Identity and Access X Management (IAM)

Q Search IAM

Dashboard

Access management

User groups

Users

Roles

Policies

Identity providers

Account settings

▼ Access reports

Access analyzer

Archive rules

IAM dashboard

Security recommendations 2

A

Add MFA for root user

Add MFA for root user - Enable multi-factor authe this account.

A

Deactivate or delete access keys for

Deactivate or delete the access keys for the root improve security.

IAM resources

User groups

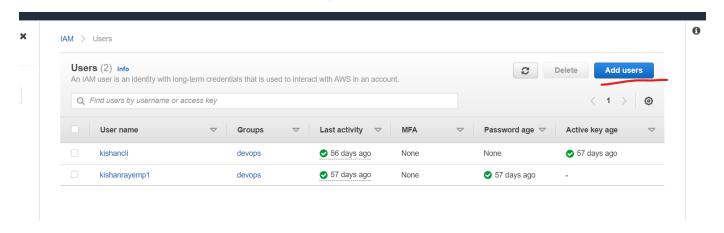
Users

1

2

What's new ☑

Updates for features in IAM





Set user details

You can add multiple users at once with the same access type and permissions. Learn more

User name* Terraformuser Add another user

Select AWS access type

Select how these users will primarily access AWS. If you choose only programmatic access, it does NOT prevent users from accessing the console using an assumed role. Access keys and autogenerated passwords are provided in the last step. Learn more

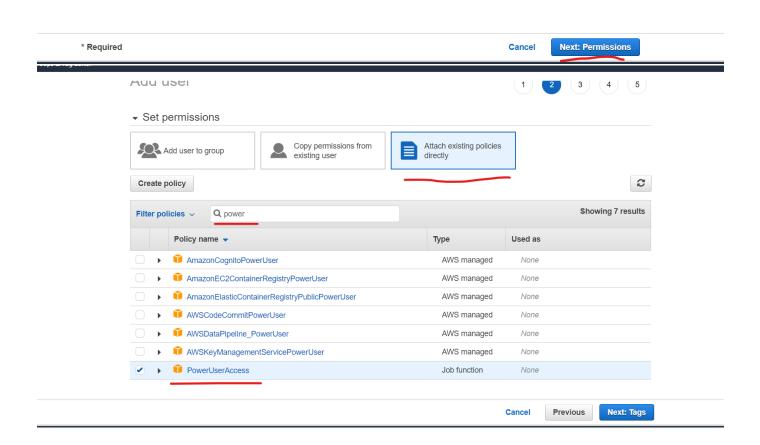
Select AWS credential type*

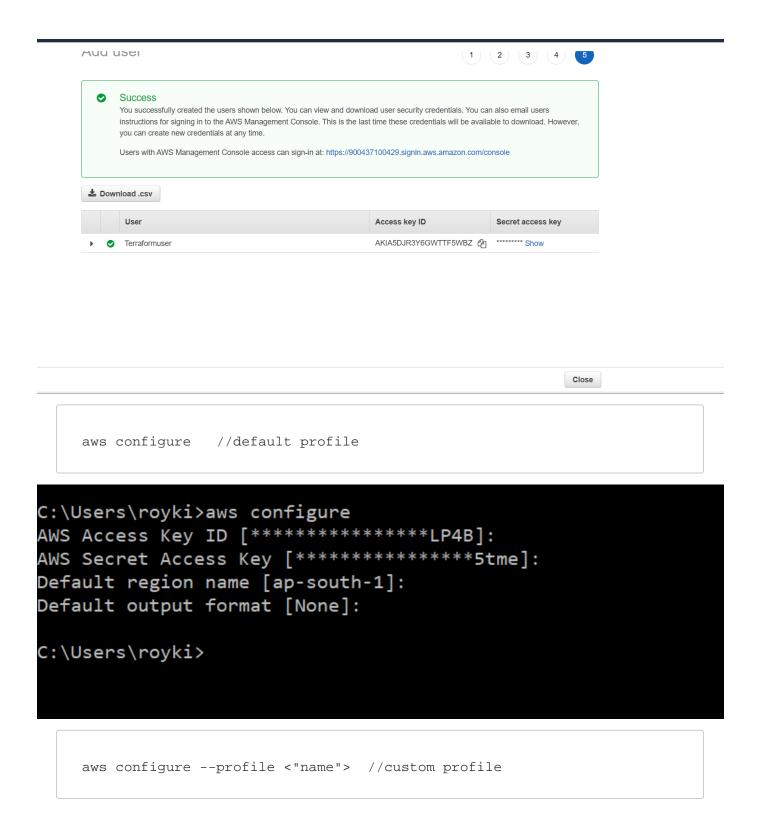
✓ Access key - Programmatic access

Enables an access key ID and secret access key for the AWS API, CLI, SDK, and other development tools.

Password - AWS Management Console access

Enables a **password** that allows users to sign-in to the AWS Management Console.





aws configure list-profiles

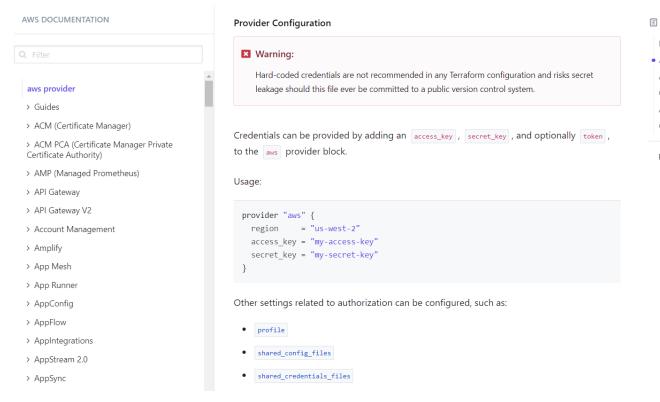
```
C:\Users\royki>aws configure list-profiles
default
terraform
C:\Users\royki>
```

To Launch an EC2-Instance using Terraform :-

Requirements:-

Create a workspace with name "Ec2-instance" in your vs code editor

Setup provider.tf using link:- https://registry.terraform.io/providers/hashicorp/aws/latest/docs



In above screenshot we are hardcoding the values of access and secret, but this is not recommended method.

So, we are going to use the profile method.

Provider.tf This file will help us to download the plugin related to provider.

```
provider "aws" {
  region = "ap-south-1"
  profile = "terraform" //profile we created in previous step
}
```

refer:- https://registry.terraform.io/providers/hashicorp/aws/latest/docs/resources/instance

```
aws_ec2_host
aws_ec2_instance_state
aws_ec2_serial_console_access
aws_ec2_tag
aws_eip
aws_eip_association

aws_instance
aws_key_pair
aws_launch_template
aws_placement_group
aws_spot_datafeed_subscription
aws_spot_fleet_request
aws_spot_instance_request
```

```
filter {
    name = "virtualization-type"
    values = ["hvm"]
}

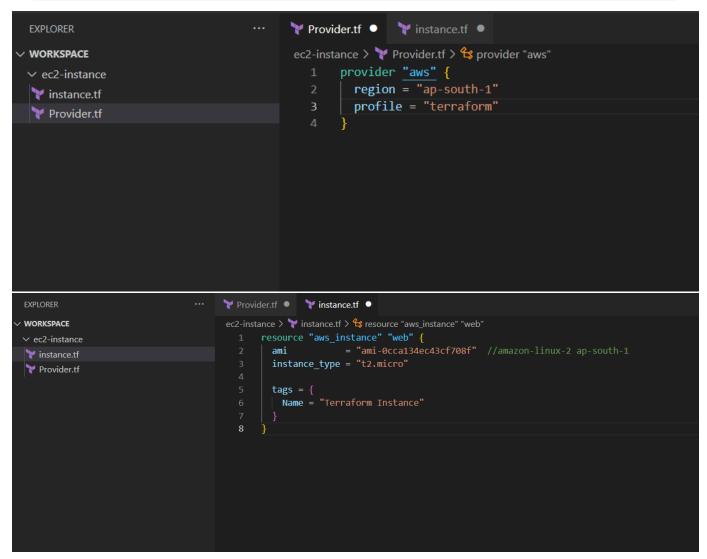
owners = ["099720109477"] # Canonical
}

resource "aws_instance" "web" {
    ami = data.aws_ami.ubuntu.id
    instance_type = "t3.micro"

tags = {
    Name = "HelloWorld"
    }
}
```

Network and credit specification example

```
resource "aws_vpc" "my_vpc" {
    cidr_block = "172.16.0.0/16"
```

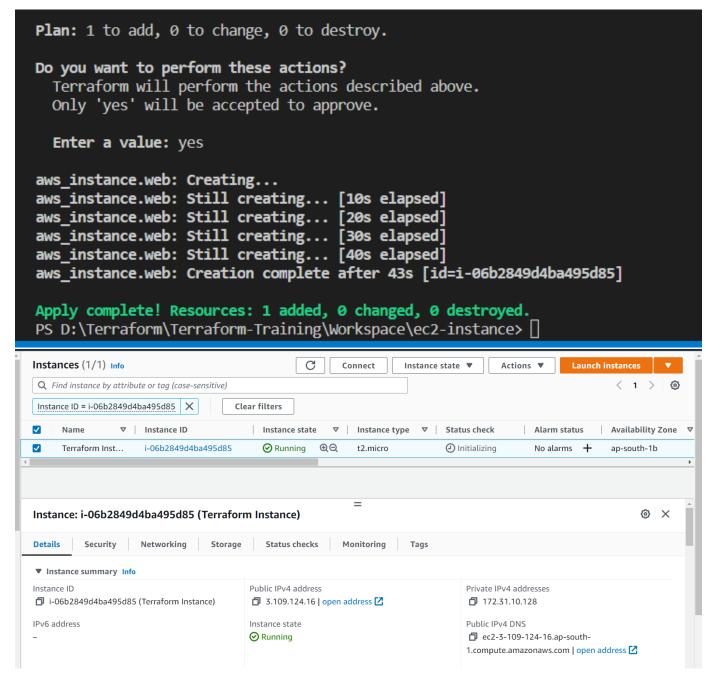


```
terraform init
terraform plan
```

```
PS D:\Terraform\Terraform-Training\workspace\ec2-instance> terraform plan
Terraform used the selected providers to generate the following execution plan. Resource actions are indicated with the following symbols:
Terraform will perform the following actions:
  # aws_instance.web will be created
  + resource "aws_instance" "web" {
                                                        = "ami-0cca134ec43cf708f"
       + ami
       + arn
                                                        = (known after apply)
                                                        = (known after apply)
= (known after apply)
       + associate_public_ip_address
       + availability zone
                                                        = (known after apply)
       + cpu core count
       + cpu_threads_per_core
                                                        = (known after apply)
       + disable_api_stop
+ disable_api_termination
                                                       = (known after apply)
                                                       = (known after apply)
       + ebs_optimized
+ get_password_data
+ host_id
                                                       = (known after apply)
= false
= (known after apply)
                                                      = (known after apply)
= (known after apply)
       + host_resource_group_arn
       + iam_instance_profile
       + ian_instance_profile = (known after apply)
+ instance_initiated_shutdown_behavior = (known after apply)
+ instance_state = (known after apply)
+ instance_type = "t2.micro"
```

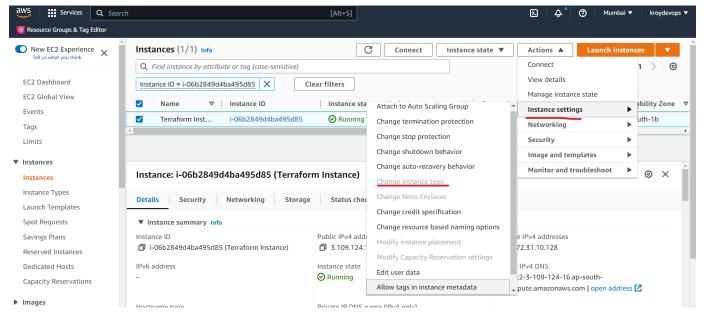
terraform apply

```
+ root block device {
         + delete on termination = (known after apply)
         + device name
                                 = (known after apply)
                                = (known after apply)
         + encrypted
                                 = (known after apply)
         + iops
                                 = (known after apply)
         + kms key id
                                 = (known after apply)
         + tags
                               = (known after apply)
         + throughput
         + volume id
                                 = (known after apply)
         + volume size
                                 = (known after apply)
         + volume type
                                 = (known after apply)
Plan: 1 to add, 0 to change, 0 to destroy.
Do you want to perform these actions?
 Terraform will perform the actions described above.
 Only 'yes' will be accepted to approve.
 Enter a value: yes
```



Now let's change the instance type from t2.micro to t2.small .

You can see that without stopping instance we can not change instance type.



Update the code

```
rovider.tf
                                                      instance.tf X
WORKSPACE
                        中の甘む
                                      ec2-instance > 💜 instance.tf > 😭 resource "aws_instance" "web" > 🔤 instance_type

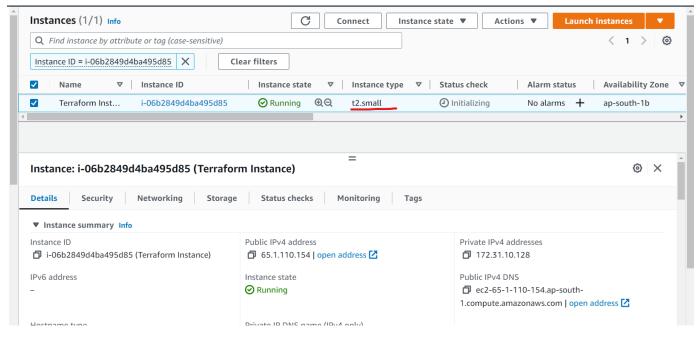
∨ ec2-instance

                                                             = "ami-0cca134ec43cf708f" //amazon-linux-2 ap-south-1
                                               ami
 > .terraform
                                                instance_type = "t2.small"
instance.tf
                                                tags = {
rovider.tf
                                                  Name = "Terraform Instance"
{} terraform.tfstate
```

terraform plan

terraform apply

```
PROBLEMS
           OUTPUT
                     TERMINAL
                                DEBUG CONSOLE
Do you want to perform these actions?
  Terraform will perform the actions described above.
  Only 'yes' will be accepted to approve.
  Enter a value: yes
aws_instance.web: Modifying... [id=i-06b2849d4ba495d85]
aws_instance.web: Still modifying... [id=i-06b2849d4ba495d85, 10s elapsed]
aws_instance.web: Still modifying... [id=i-06b2849d4ba495d85, 20s elapsed] aws_instance.web: Still modifying... [id=i-06b2849d4ba495d85, 30s elapsed]
aws_instance.web: Still modifying... [id=i-06b2849d4ba495d85, 40s elapsed]
aws instance.web: Still modifying... [id=i-06b2849d4ba495d85, 50s elapsed]
aws_instance.web: Still modifying... [id=i-06b2849d4ba495d85, 1m0s elapsed]
aws_instance.web: Still modifying... [id=i-06b2849d4ba495d85, 1m10s elapsed]
aws instance.web: Modifications complete after 1m12s [id=i-06b2849d4ba495d85]
Apply complete! Resources: 0 added, 1 changed, 0 destroyed.
PS D:\Terraform\Terraform-Training\Workspace\ec2-instance> ☐
```



To destroy the resources:

terraform destroy

```
PROBLEMS
            OUTPUT
                       TERMINAL
                                    DEBUG CONSOLE
                                        = "/dev/xvda" -> null
            - device name
                                        = false -> null

    encrypted

            - iops
                                        = 100 -> null
                                        = {} -> null
            - tags
            - throughput
                                        = 0 -> null

    volume id

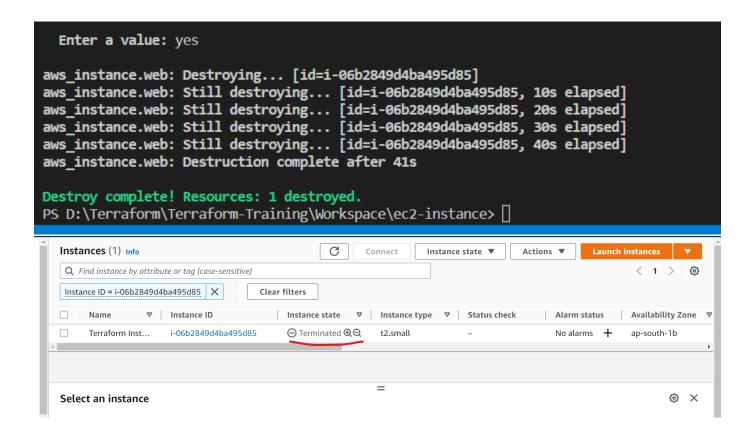
                                        = "vol-0a200b6415d514805" -> null

    volume size

                                        = 8 -> null
                                        = "gp2" -> null

    volume type

Plan: 0 to add, 0 to change, 1 to destroy.
Do you really want to destroy all resources?
  Terraform will destroy all your managed infrastructure, as shown above. There is no undo. Only 'yes' will be accepted to confirm.
  Enter a value: yes
```



Variables in Terraform

user defined variable :- reference https://developer.hashicorp.com/terraform/language/values/variables

Create a new folder with name "variable" and inside it create a file with name "variable.tf"

```
provider.tf
                                                            instance.tf
                                                                             yariable.tf X
✓ WORKSPACE
                                            Variable > 🍸 variable.tf > ધ output "myvariablevalue"
                                                   variable "x" {
> ec2-instance
                                                       type = string

∨ Variable

                                                       default = "linux devops"
 yariable.tf
                                                   output "myvariable" {
                                                       value = "x"
                                                  output "myvariablevalue" {
                                                        value = "${var.x}"
                                                                TERMINAL
```

terraform apply

```
You can apply this plan to save these new output values to the Terraform state, without char

Do you want to perform these actions?

Terraform will perform the actions described above.
Only 'yes' will be accepted to approve.

Enter a value: yes

Apply complete! Resources: 0 added, 0 changed, 0 destroyed.

Outputs:

myvariable = "x"
myvariablevalue = "linux devops"
PS D:\Terraform\Terraform-Training\Workspace\Variable> []
```

To Launch Apache webserver on AWS instance using Terraform

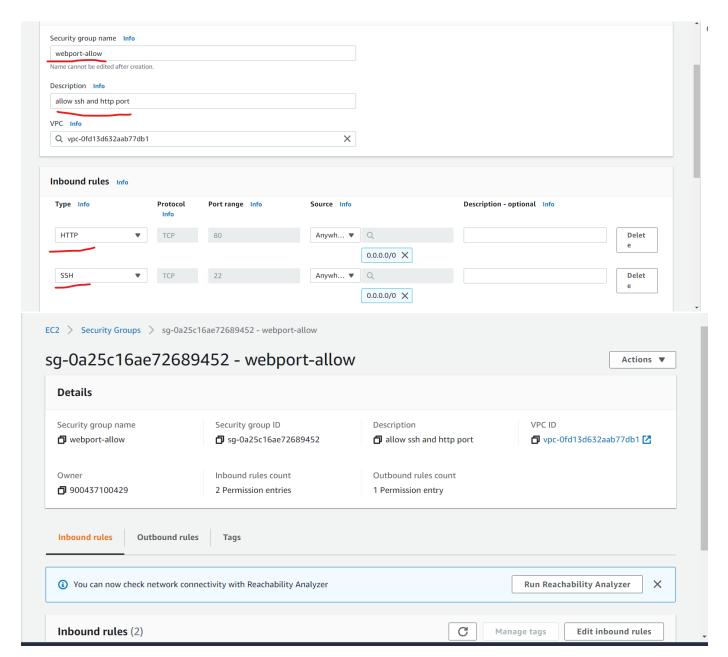
Steps:-

- 1. Launch an ec2-instance with http port enabled.
- 2. Launch an EBS volume of 1 gb in same availability zone as of ec2-instance
- 3. Attach the newly launched EBS volume to instance and create a partition and do format as taught during aws sessions.
- 4. Install php and httpd software and keep the website content copied from github to /var/www/html location.
- 5. Now access the webserver on public IP of instance.

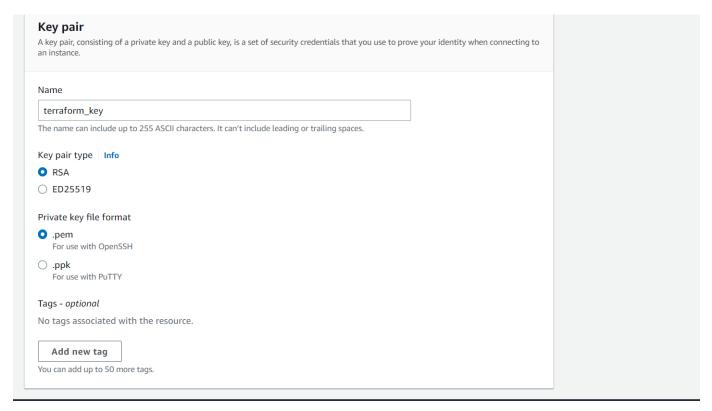
Create a new workspace with name "Apache_webserver" using vs code editor.

Prerequisite:-

- 1. Create a security group manually with name "webport-allow" with port 80 and 22.
- 2. Create a keyPair with name "terraform_key".



keypair



provider.tf

```
provider "aws" {
  region = "ap-south-1"
  profile = "terraform"
}
```

ec2.tf

```
resource "aws_ebs_volume" "example" {
  availability_zone = aws_instance.webos1.availability_zone
  size = 1

tags = {
   Name = "Web Server HD by TF"
  }
}
```

attachblock.tf

```
resource "aws_volume_attachment" "ebs_att" {
  device_name = "/dev/xvdc"
  volume_id = aws_ebs_volume.example.id
  instance_id = aws_instance.webos1.id
  force_detach = true
}
```

apache.tf

```
resource "null_resource" "nullremotel" {
depends_on = [
 aws_volume_attachment.ebs_att
1
connection {
           = "ssh"
   type
           = "ec2-user"
   private_key = file("D:/Terraform/Terraform-Training/terraform_key.
pem") //pem file
   host = aws_instance.webos1.public_ip
provisioner "remote-exec" {
    inline = [
     "sudo yum install httpd -y",
      "sudo yum install php -y",
      "sudo systemctl start httpd",
      "sudo systemctl start httpd",
 "sudo mkfs.ext4 /dev/xvdc",
      "sudo mount /dev/xvdc /var/www/html",
  "sudo yum install git -y",
      "sudo git clone https://github.com/devopskroy/apacheWebpage.git
/var/www/html/web"
    ]
}
```

output.tf

```
output "webserverIP" {
  value = aws_instance.webos1.public_ip
}
```

```
··· 🍞 provider.tf
                                                                                                 y blockstorage.tf
                                                                                                                       attachblock.tf
                                                             ec2.tf
                                                                                                                                           🦖 apache.tf 🗶
WORKSPACE

  □ □ □ apache_webserver
  vec2.tf
  to resource "aws_instance" "webos1"

                                                                   = "ami-010aff33ed5991201"
security_groups = [:"webport-allow":]
key_name = :"terraform_key"
apache.tf
attachblock.tf
                                                     tags = {
···Name = "Web·Server·by·TF"
y blockstorage.tf
voutput.tf
provider.tf
{} terraform.tfstate

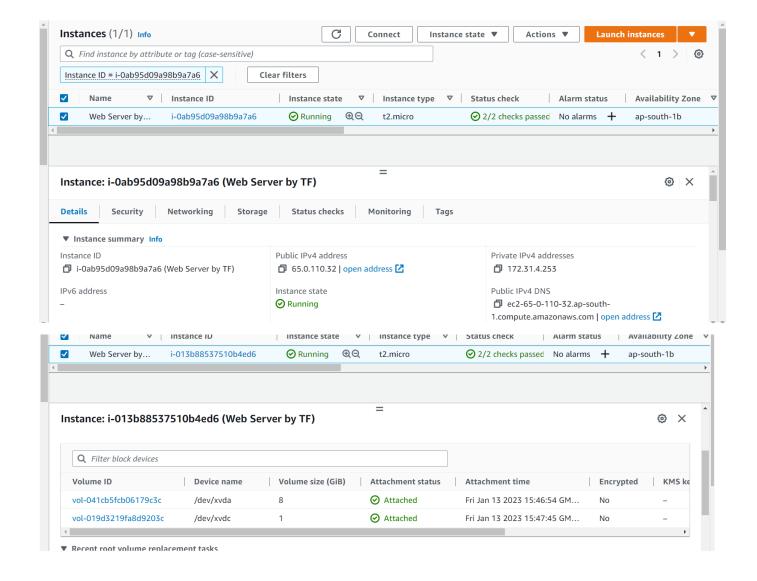
    ■ terraform.tfstate.backup

> ec2-instance
> Variable
```

terraform plan

terraform apply

```
aws_instance.webos1: Creating...
 aws_instance.webos1: Still creating... [10s elapsed]
 aws_instance.webos1: Still creating... [20s elapsed]
 aws_instance.webos1: Still creating... [30s elapsed]
 aws_instance.webos1: Still creating... [40s elapsed]
 aws instance.webos1: Creation complete after 43s [id=i-013b88537510b4ed6]
 aws ebs volume.example: Creating...
 aws ebs volume.example: Still creating... [10s elapsed]
 aws ebs volume.example: Creation complete after 10s [id=vol-019d3219fa8d9203c]
 aws volume attachment.ebs att: Creating...
 aws volume attachment.ebs att: Still creating... [10s elapsed]
 aws_volume_attachment.ebs_att: Still creating... [20s elapsed]
 aws_volume_attachment.ebs_att: Creation complete after 21s [id=vai-311237509]
 null_resource.nullremote1: Creating...
 null resource.nullremote1: Provisioning with 'remote-exec'...
 null_resource.nullremote1 (remote-exec): Connecting to remote host via SSH...
 null resource.nullremote1 (remote-exec): Host: 3.7.55.63
 null_resource.nullremote1 (remote-exec):
                                             User: ec2-user
 null_resource.nullremote1 (remote-exec): Password: false
 null resource.nullremote1 (remote-exec): Private key: true
 null_resource.nullremote1 (remote-exec): Certificate: false
 null resource.nullremote1 (remote-exec):
                                             SSH Agent: false
 null resource.nullremote1 (remote-exec):
                                             Checking Host Key: false
 null_resource.nullremote1 (remote-exec):
                                             Target Platform: unix
 null resource.nullremote1 (remote-exec): Connected!
 null resource.nullremote1 (remote-exec): Loaded plugins: extras suggestions,
null_resource.nullremote1 (remote-exec): Complete!
null_resource.nullremote1 (remote-exec): Cloning into '/var/www/html/web'...
null_resource.nullremote1 (remote-exec): remote: Enumerating objects: 3, done.
null resource.nullremote1 (remote-exec): remote: Counting objects: 33% (1/3)
null resource.nullremote1 (remote-exec): remote: Counting objects: 66% (2/3)
null resource.nullremote1 (remote-exec): remote: Counting objects: 100% (3/3)
rull_resource.nullremote1 (remote-exec): remote: Counting objects: 100% (3/3), done.
null resource.nullremote1 (remote-exec): remote: Compressing objects: 50% (1/2)
null resource.nullremote1 (remote-exec): remote: Compressing objects: 100% (2/2)
null_resource.nullremote1 (remote-exec): remote: Compressing objects: 100% (2/2), done.
null resource.nullremote1 (remote-exec): remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
null_resource.nullremote1 (remote-exec): Receiving objects: 33% (1/3)
null_resource.nullremote1 (remote-exec): Receiving objects: 66% (2/3)
null_resource.nullremote1 (remote-exec): Receiving objects: 100% (3/3)
null_resource.nullremote1 (remote-exec): Receiving objects: 100% (3/3), done.
null resource.nullremote1: Creation complete after 33s [id=67435865]
Apply complete! Resources: 4 added, 0 changed, 0 destroyed.
Outputs:
webserverIP = "65.0.110.32"
PS D:\Terraform\Terratorm-Training\Workspace\apache webserver>
```



Enter the url in browser:- http://<public-ip>:80/web

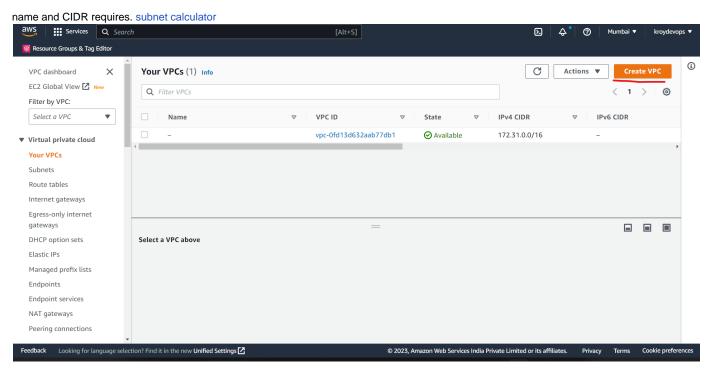
```
welcome to webserver Create by Ternaform!!!l
etho: flags=4163 mtu 9001
inet 172.31.4.253 netmask 255.255.240.0 broadcast 172.31.15.255
inet6 fe80::870::77ff;fe24:623c prefixlen 64 scopeid 0x20
ether 0a:7e:77724:62:3c txqueuelen 1000 (Ethernet)
RX packets 91293 bytes 137499606 (131.1 MiB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 8975 bytes 632075 (617.2 KiB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73 mtu 6536
Inet 127.0.0.1 netmask 255.0.0.0
inet6::1 prefixlen 128 scopeid 0x10
loop txqueuelen 1000 (local loopback)
RX packets 8 bytes 648 (648.0 B)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 8 bytes 648 (648.0 B)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

To setup VPC using Terraform

ref:- click me

1. Create a network/vpc first.



- 2. Create an IGW which will provide internet connectivity to you private network.
- 3. Attach newly created IGW to you custom VPC.
- 4. Create two subnets {name should be unique} with range
- 5. Create a Routing table :- 0.0.0.0/0 go to igw
- 6. Associate route table to respective subnet.

```
provider "aws" {
   region = "ap-south-1"
   profile = "terraform"
}
```

variable.tf

```
variable "aws_region" {
    default = "ap-south-1"
}

variable "vpc_cidr" {
    default = "10.0.0.0/16"
}

variable "subnets_cidr" {
    type = list
    default = [ "10.0.1.0/24" , "10.0.2.0/24"]
}

variable "azs" {
    default = [ "ap-south-1a" , "ap-south-1b"]
}
```

vpc.tf

```
cidr_block = element( var.subnets_cidr, count.index )
  availability_zone = element( var.azs , count.index )
  map_public_ip_on_launch = true
  tags = {
   Name = "Subnet-${count.index + 1}"
}
resource "aws_route_table" "example" {
  vpc_id = aws_vpc.main.id
 route {
   cidr_block = "0.0.0.0/0"
    gateway_id = aws_internet_gateway.gw.id
  tags = {
  Name = "MypublicRT"
resource "aws_route_table_association" "a" {
     count = length(var.subnets_cidr)
 subnet_id = element(aws_subnet.main.*.id, count.index)
 route_table_id = aws_route_table.example.id
}
```

output.tf

```
output "vpcCidrBlock" {
    value = var.vpc_cidr
}

output "cidr_block_first" {
    value= element(var.subnets_cidr,0)
}

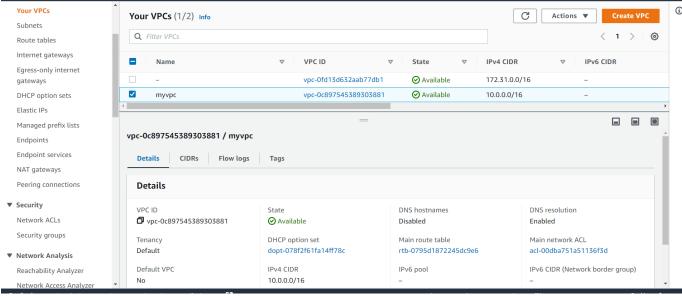
output "cidr_block_second" {
    value= element(var.subnets_cidr, 1)
}
```

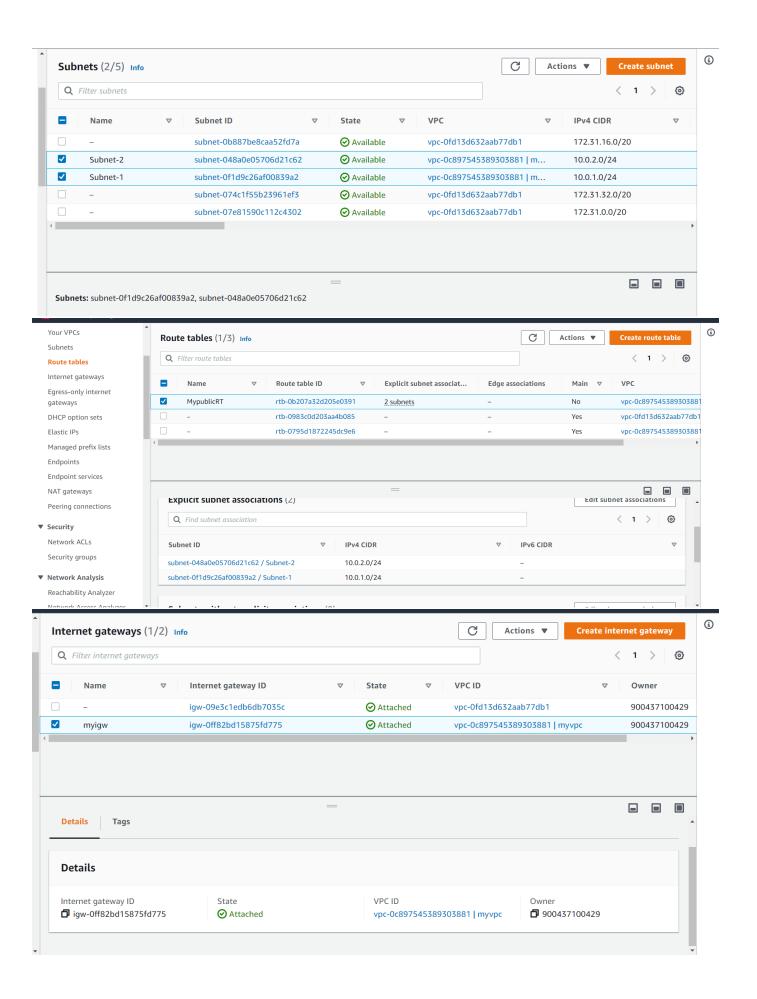
terraform plan terraform apply

```
EXPLORER
                                        yariables.tf
                                                        ypc.tf
                                                                    • * output.tf × * provider.tf
                                        vpc > 🚩 output.tf > ધ output "cidr_block_second"
WORKSPACE
                         中になり自
                                               output "vpcCidrBlock" {
> apache_webserver
                                                   value = var.vpc_cidr
> ec2-instance
> Variable
 > .terraform
                                               output "cidr block first" {
value= element(var.subnets_cidr,0)
\equiv .terraform.tfstate.lock.info
voutput.tf
                                               output "cidr_block_second" {
provider.tf
{} terraform.tfstate
                                                   value= element(var.subnets_cidr, 1)
≡ terraform.tfstate.backup
yariables.tf
ypc.tf
```

```
TERMINAL
     Do you want to perform these actions?

Terraform will perform the actions described above.
        Only 'yes' will be accepted to approve.
        Enter a value: yes
     aws_vpc.main: Creating...
     aws_route_table.example: Creating...
    aws_route_table.example: Creating...
aws_route_table.example: Creating.complete after 0s [id=rtb-0b207a32d205e0391]
aws_subnet.main[1]: Still creating... [10s elapsed]
aws_subnet.main[0]: Still creating... [10s elapsed]
     aws_subnet.main[1]: Creation complete after 12s [id=subnet-048a0e05706d21c62]
aws_subnet.main[0]: Creation complete after 12s [id=subnet-0f1d9c26af00839a2]
     aws_route_table_association.a[0]: Creating...
     aws_route_table_association.a[1]: Creating...
     aws_route_table_association.a[0]: Creation complete after 0s [id=rtbassoc-09ff70c242f5da307] aws_route_table_association.a[1]: Creation complete after 0s [id=rtbassoc-06bee391422847ece]
     Apply complete! Resources: 7 added, 0 changed, 0 destroyed.
     Outputs:
     cidr_block_first = "10.0.1.0/24"
cidr_block_second = "10.0.2.0/24"
     vpcCidrBlock = "10.0.0.0/16"
     PS D:\Terraform\Terraform-Training\Workspace\vpc>
Your VPCs
                                Your VPCs (1/2) Info
                                                                                                                                             C
                                                                                                                                                       Actions ▼
Subnets
                                                                                                                                                                     < 1 > @
                                 Q Filter VPCs
Route tables
Internet gateways
                                                                                 VPC ID
                                                                                                                State
                                                                                                                                     IPv4 CIDR
                                                                                                                                                                 IPv6 CIDR
                                       Name
Egress-only internet
                                                                                 vpc-0fd13d632aab77db1
                                                                                                                                     172.31.0.0/16
gateways
                                                                                                                Available
                                V
```





terraform destroy

```
Do you really want to destroy all resources?
  Terraform will destroy all your managed infrastructure, as shown above.
  There is no undo. Only 'yes' will be accepted to confirm.
  Enter a value: yes
aws_route_table_association.a[1]: Destroying... [id=rtbassoc-06bee391422847ece]
aws_route_table_association.a[0]: Destroying... [id=rtbassoc-09ff70c242f5da307]
aws_route_table_association.a[0]: Still destroying... [id=rtbassoc-09ff70c242f5da307, 10s elapsed]
aws_route_table_association.a[1]: Still destroying... [id=rtbassoc-06bee391422847ece, 10s elapsed]
aws route table association.a[0]: Destruction complete after 11s
aws_route_table_association.a[1]: Destruction complete after 12s
aws_subnet.main[1]: Destroying... [id=subnet-048a0e05706d21c62]
aws subnet.main[0]: Destroying... [id=subnet-0f1d9c26af00839a2]
aws_route_table.example: Destroying... [id=rtb-0b207a32d205e0391]
aws_subnet.main[0]: Destruction complete after 0s
aws_subnet.main[1]: Destruction complete after 1s
aws_route_table.example: Destruction complete after 1s
aws_internet_gateway.gw: Destroying... [id=igw-0ff82bd15875fd775]
aws_internet_gateway.gw: Still destroying... [id=igw-0ff82bd15875fd775, 10s elapsed]
aws_internet_gateway.gw: Destruction complete after 10s
aws_vpc.main: Destroying... [id=vpc-0c897545389303881]
aws_vpc.main: Destruction complete after 0s
Destroy complete! Resources: 7 destroyed.
PS D:\Terraform\Terraform-Training\Workspace\vpc> [
```

Use terraform modules to create VPC

ref: Click ME

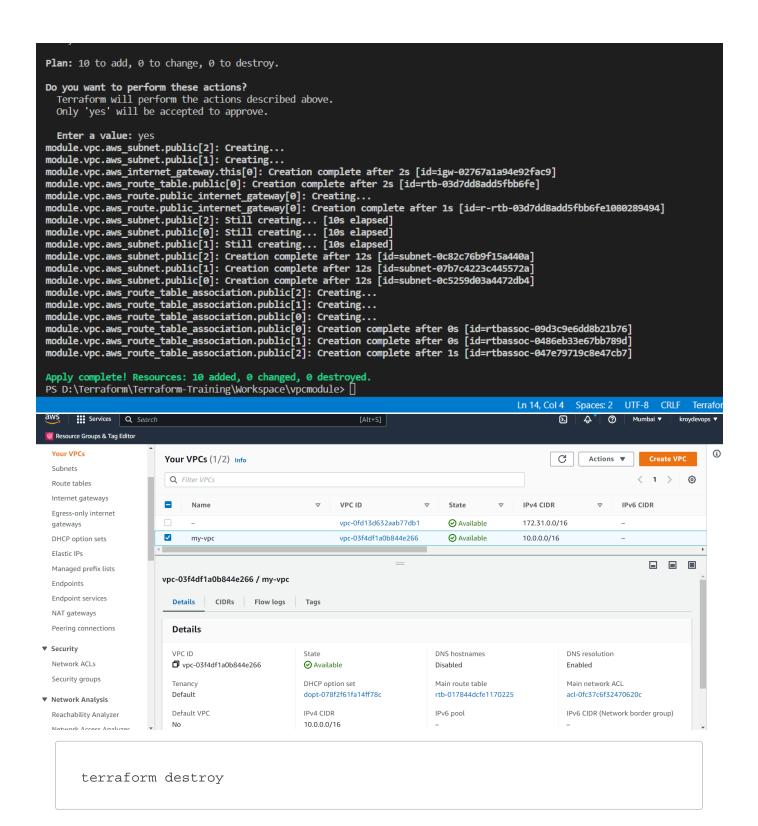
Create a workspace with name "VPC Module"

provider.tf

```
provider "aws" {
  region = "ap-south-1"
  profile = "terraform"
}
```

main.tf

terraform init terraform plan terraform apply



```
module.vpc.aws_route_table_association.public[2]: Destroying... [id=rtbassoc-047e79719c8e47cb7]
module.vpc.aws_route_table_association.public[0]: Destroying... [id=rtbassoc-09d3c9e6dd8b21b76]
module.vpc.aws_route_table_association.public[1]: Destroying... [id=rtbassoc-0486eb33e67bb789d]
module.vpc.aws_route_table_association.public[1]: Still destroying... [id=rtbassoc-0486eb33e67bb789d, 10s elapsed]
module.vpc.aws_route.public_internet_gateway[0]: Still destroying... [id=rtbassoc-0486eb33e67bb789d, 10s elapsed]
module.vpc.aws_route_table_association.public[0]: Still destroying... [id=rtbassoc-0486eb33e67bb789d, 10s elapsed]
module.vpc.aws_route_table_association.public[0]: Still destroying... [id=rtbassoc-09d3c9e6dd8b21b76, 10s elapsed]
module.vpc.aws_route_table_association.public[2]: Still destroying... [id=rtbassoc-09d3c9e6dd8b21b76, 10s elapsed]
module.vpc.aws_route_table_association.public[2]: Destruction complete after 11s
module.vpc.aws_route_table_association.public[2]: Destruction complete after 12s
module.vpc.aws_route_table_association.public[0]: Destruction complete after 12s
module.vpc.aws_route_table_association.public[0]: Destruction complete after 12s
module.vpc.aws_subnet.public[0]: Destroying... [id=subnet-0c3296d93a4472db4]
module.vpc.aws_subnet.public[0]: Destroying... [id=subnet-0c3296d93a4472db4]
module.vpc.aws_subnet.public[0]: Destroying... [id=subnet-0c3296d93a4472db4]
module.vpc.aws_subnet.public[1]: Destroying... [id=subnet-0c3296d93a4472db4]
module.vpc.aws_subnet.public[0]: Destroying... [id=subnet-0c3296d93a4472db4]
module.vpc.aws_subnet.public[0]: Destroying... [id=subnet-0c3296d93a4472db4]
module.vpc.aws_subnet.public[0]: Destroying... [id=subnet-0c3296d93a4472db4]
module.vpc.aws_route_table.public[0]: Destroying... [id=subnet-0c3296d93a4472db4]
module.vpc.aws_subnet.public[0]: Destroying... [id=subnet-0c3206d93a4472db4]
module.vpc.aws_subnet.public[0]: Destroying... [id=subnet-0c3206d93a4472db4]
module.vpc.aws_subnet.public[0]: Destroying... [id=subnet-0c3206d93a4472db4]
module.v
```

By: Kishan ray