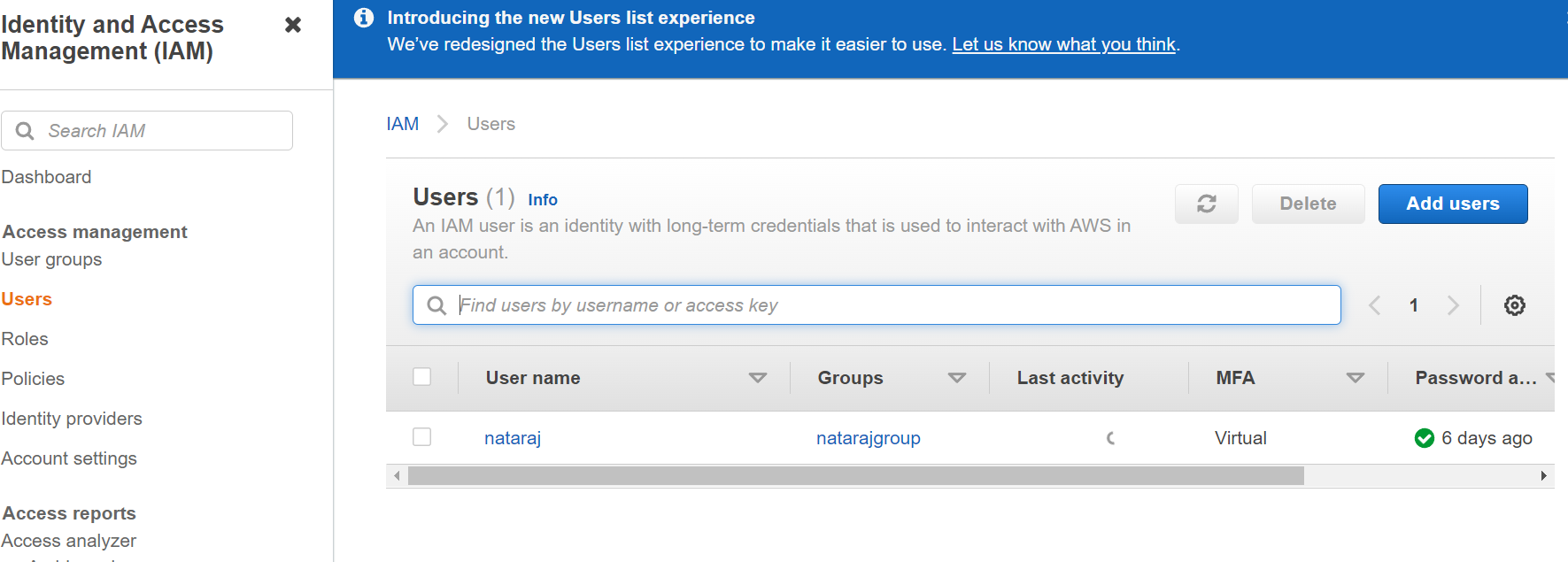
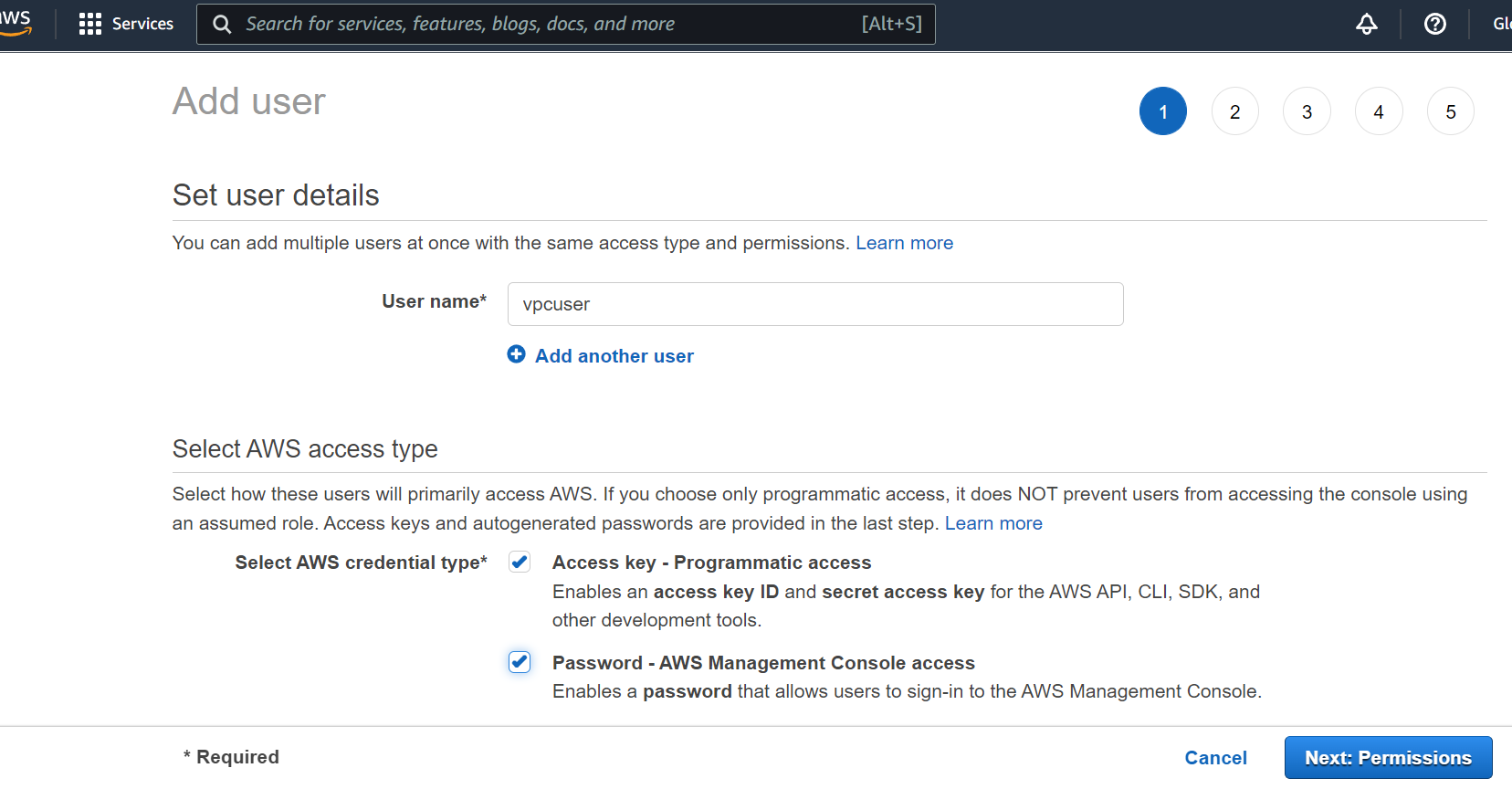
Creating VPC using terraform script

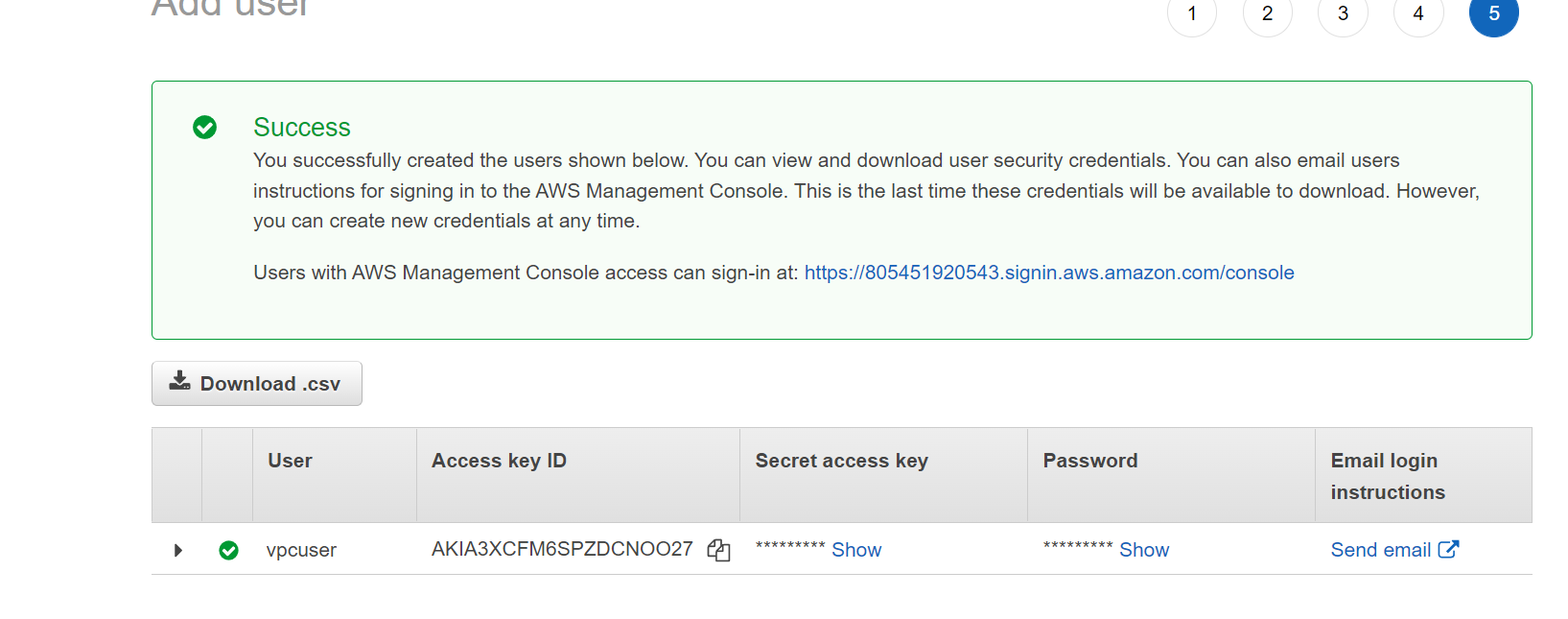
1. We need to create a user for launching vpc using terrofrm

Creating IAM user

t



User has been created



Creating vpc using terraform

provider "aws" {

region = "ap-south-1"

access\_key = "AKIA3XCFM6SPZDCNOO27"

secret\_key = "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"

}

resource "aws\_vpc" "vpc" {

cidr\_block = "192.168.0.0/16"

instance\_tenancy = "default"

tags = {

Name = "demo-vpc"

}

}

resource "aws\_subnet" "pub" {

vpc\_id = aws\_vpc.vpc.id

cidr\_block = "192.168.1.0/24"

tags = {

Name = "public"

}

}

resource "aws\_subnet" "pri" {

vpc\_id = aws\_vpc.vpc.id

cidr\_block = "192.168.3.0/24"

tags = {

Name = "private"

}

}

resource "aws\_internet\_gateway" "igw" {

vpc\_id = aws\_vpc.vpc.id

tags = {

Name = "IGW"

}

}

resource "aws\_eip" "ip" {

vpc = true

}

resource "aws\_nat\_gateway" "ngw" {

allocation\_id = aws\_eip.ip.id

subnet\_id = aws\_subnet.pri.id

tags = {

Name = "NATG"

}

resource "aws\_route\_table" "rt1" {

vpc\_id = aws\_vpc.vpc.id

route {

cidr\_block = "0.0.0.0/0"

gateway\_id = aws\_internet\_gateway.igw.id

tags = {

Name = "custom"

}

}

resource "aws\_route\_table" "rt2" {

vpc\_id = aws\_vpc.vpc.id

route {

cidr\_block = "0.0.0.0/0"

gateway\_id = aws\_nat\_gateway.ngw.id

tags = {

Name = "main"

}

}

resource "aws\_security\_group" "sg" {

name = "first-sg"

description = "Allow TLS inbound traffic"

vpc\_id = aws\_vpc.vpc.id

ingress {

description = "TLS from VPC"

from\_port = 22

to\_port = 22

protocol = "tcp"

cidr\_blocks = [aws\_vpc.vpc.cidr\_block]

}

egress {

from\_port = 0

to\_port = 0

protocol = "-1"

cidr\_blocks = ["0.0.0.0/0"]

ipv6\_cidr\_blocks = ["::/0"]

}

tags = {

Name = "first-sg"

}

}

resource "aws\_route\_table\_association" "as-1" {

subnet\_id = aws\_subnet.pub.id

route\_table\_id = aws\_route\_table.rt1.id

}

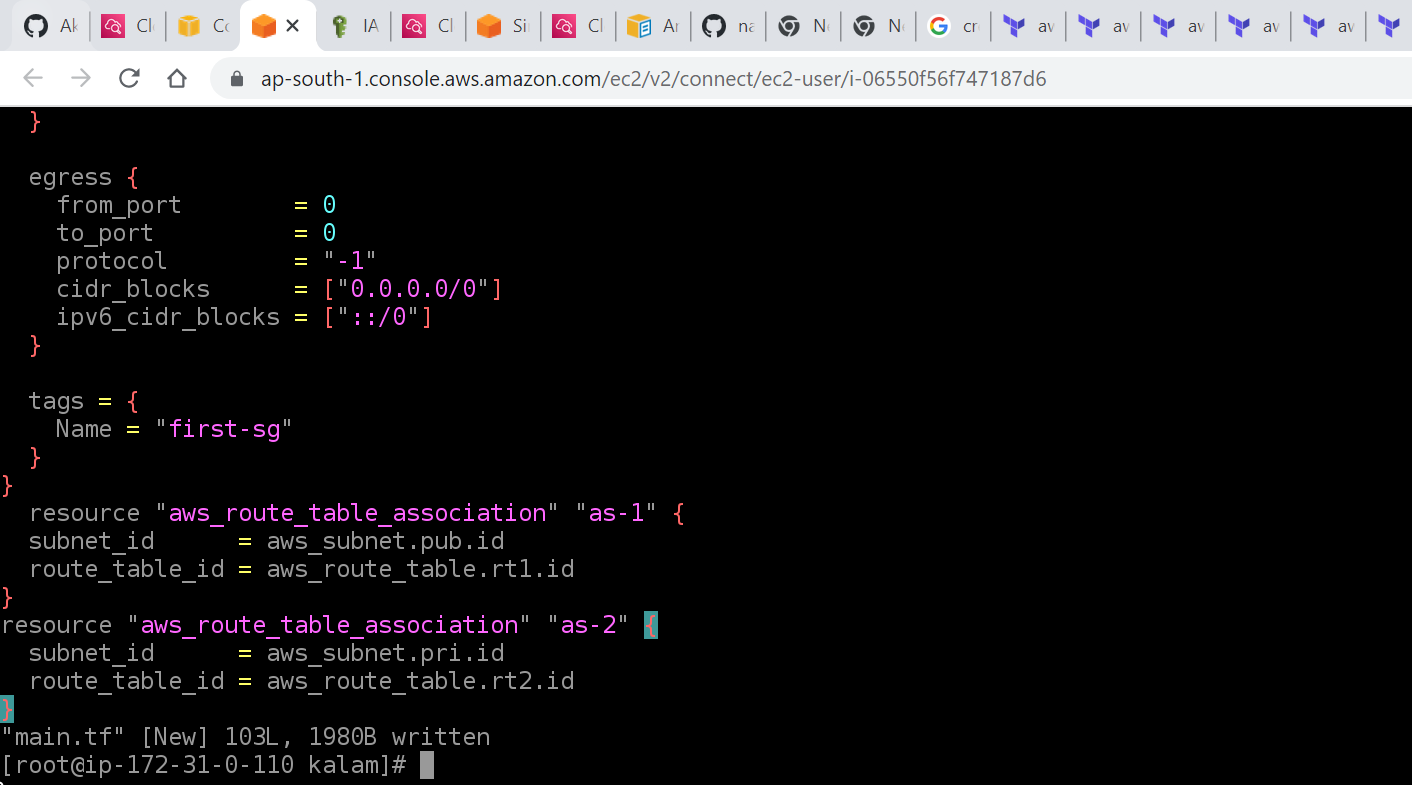
resource "aws\_route\_table\_association" "as-2" {

subnet\_id = aws\_subnet.pri.id

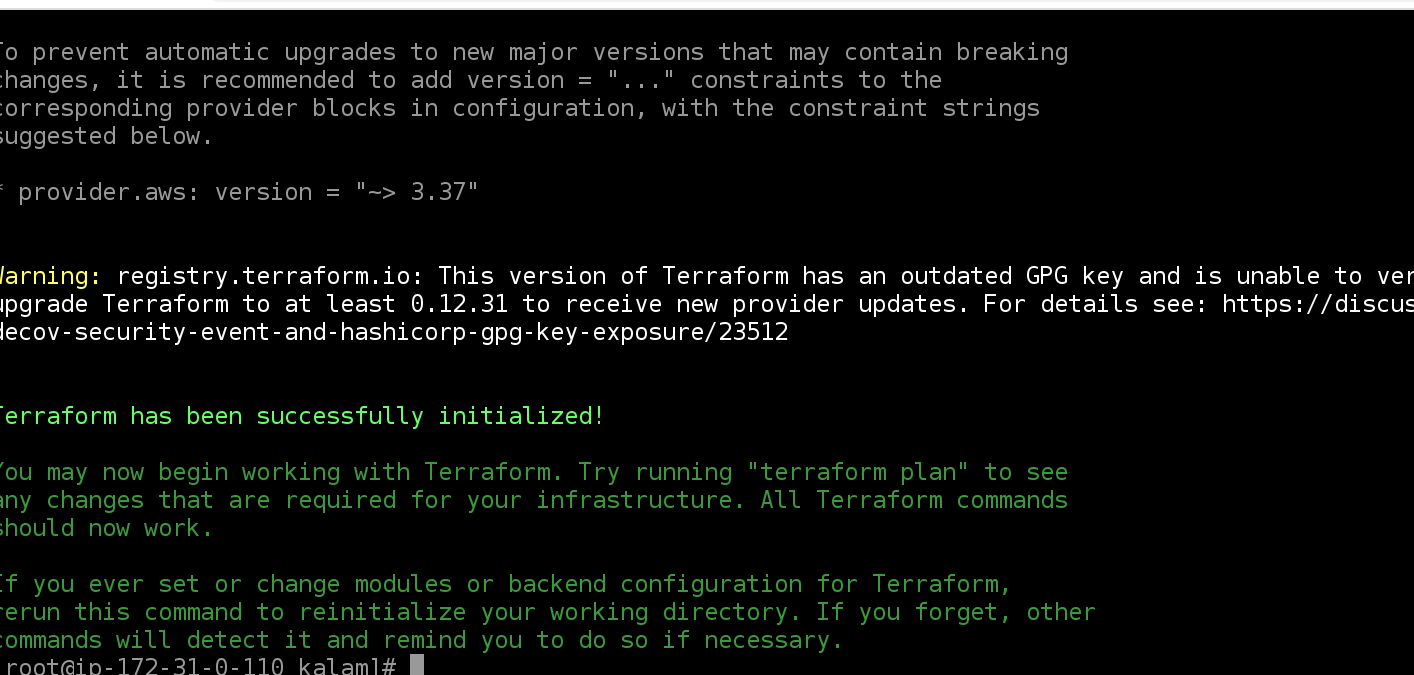
route\_table\_id = aws\_route\_table.rt2.id

}

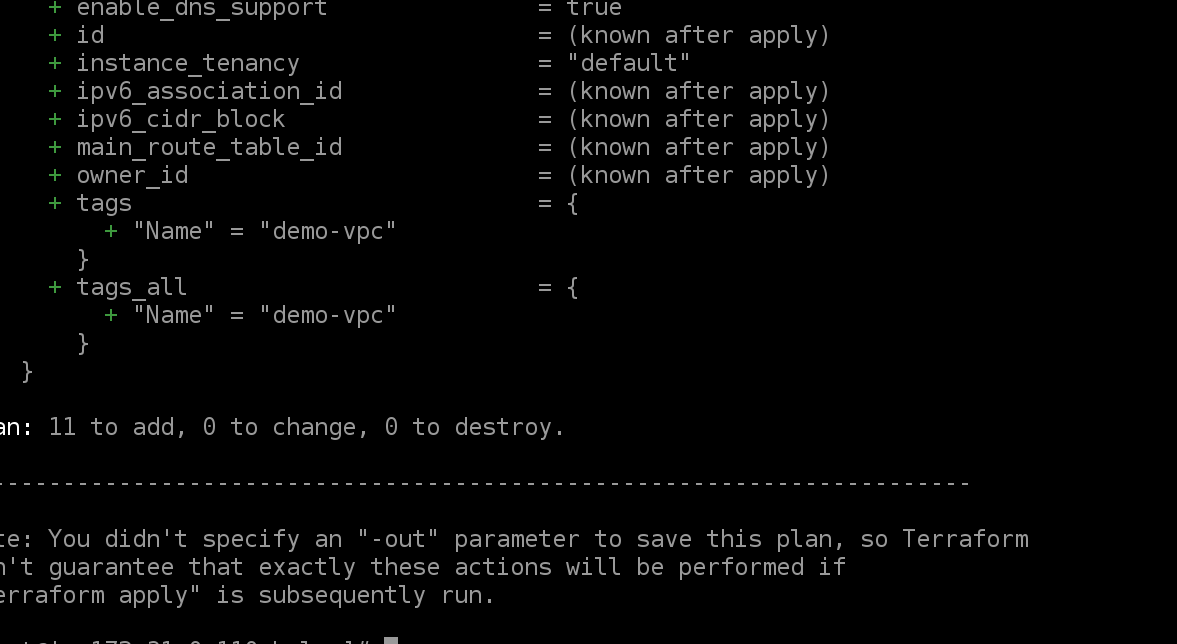
Create one directory and create .tf file in that directory.



Run the terraform init command



Run the terraform plan command



Run the terraform apply command

