**Terraform Assignment – 3**

**Tasks to Be Performed:**

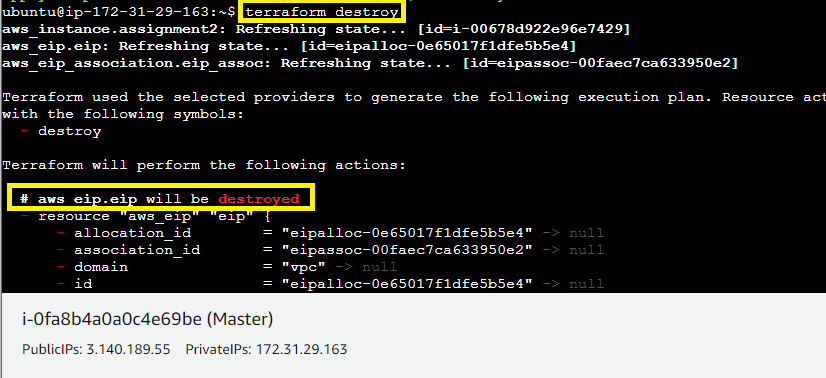
1. Destroy the previous deployment

2. Create 2 EC2 instances in Ohio and N. Virginia respectively

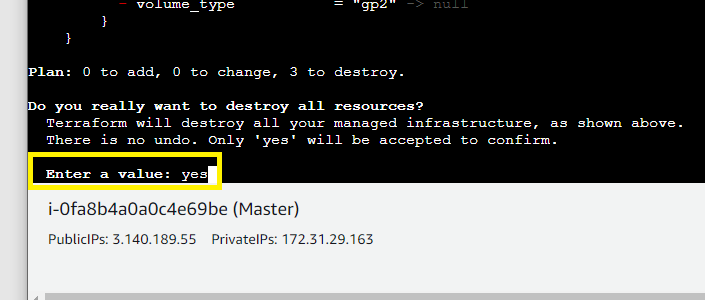
3. Rename Ohio’s instance to ‘hello-ohio’ and Virginia’s instance to ‘hello-virginia’

**Problem (1) Solution: Destroy the previous deployment**

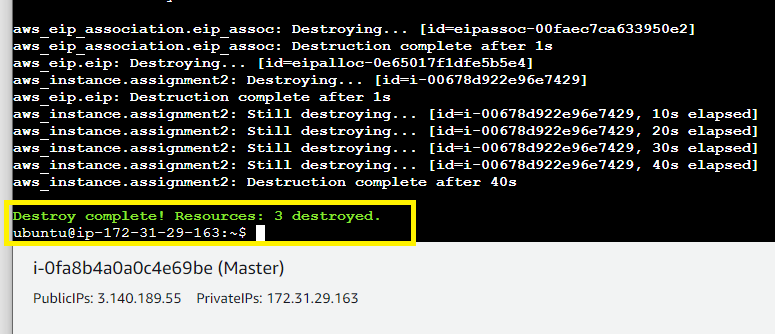
**Step 1: Run** the **“terraform destroy” command** to **destroy** the **resources.**

****

**Step 2: Type “yes”** to **destroy** all the **resources.**

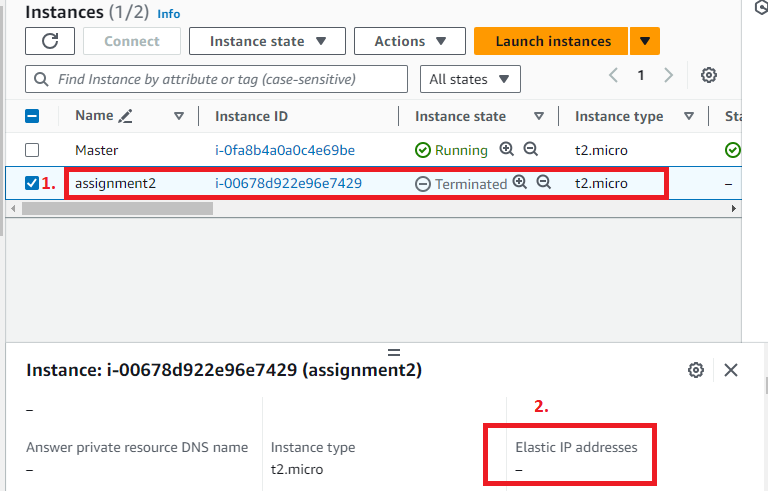
****

**Step 3: All the resources** will be **destroyed along** with **“Elastic IP Address.**

****

**Step 4: Go** to **“Instances”** & **you** will **notice** that **“assignment2”** has been **successfully terminated.**

The **“Elastic IP addresses” section** will be **shown empty** now.

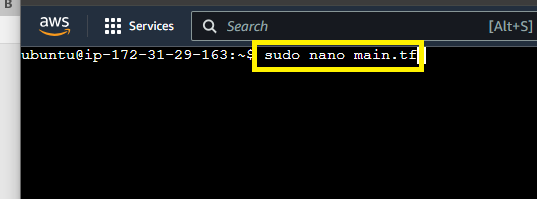
****

**Problem (2) & (3) Integrated Solution:**

**2. Create 2 EC2 instances in Ohio and N.Virginia respectively**

**3. Rename Ohio’s instance to ‘hello-ohio’ and Virginia’s instance to ‘hello-virginia’**

**Step 1: Go** tothe **“Master” instance** & **create** a **“main.tf” file** to **run** the **script. Use** this **command: sudo nano main.tf**

****

**Step 2: Paste** this **script** here:

**provider "aws" {**

**alias = "North-Virginia"**

**region = "us-east-1"**

**access\_key = "AKIAQRH4ND34WNGRNWOP"**

**secret\_key = "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"**

**}**

**provider "aws" {**

**alias = "Ohio"**

**region = "us-east-2"**

**access\_key = "AKIAQRH4ND34WNGRNWOP"**

**secret\_key = "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"**

**}**

**resource "aws\_instance" "assignment3-1" {**

**provider = aws.North-Virginia**

**ami = "ami-0d7a109bf30624c99"**

**instance\_type = "t2.micro"**

**key\_name = "Terraform-NV"**

**tags = {**

**Name = "hello-virginia"**

**}**

**}**

**resource "aws\_instance" "assignment3-2" {**

**provider = aws.Ohio**

**ami = "ami-0b4750268a88e78e0"**

**instance\_type = "t2.micro"**

**key\_name = "Terraform"**

**tags = {**

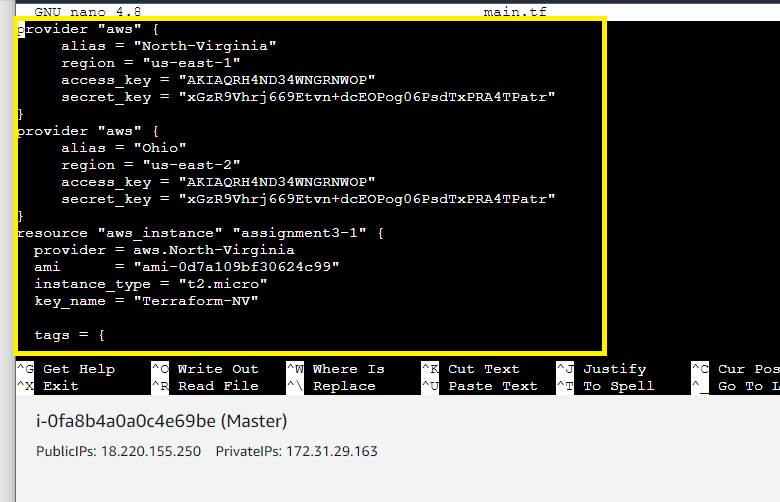
**Name = "hello-ohio"**

**}**

**}**

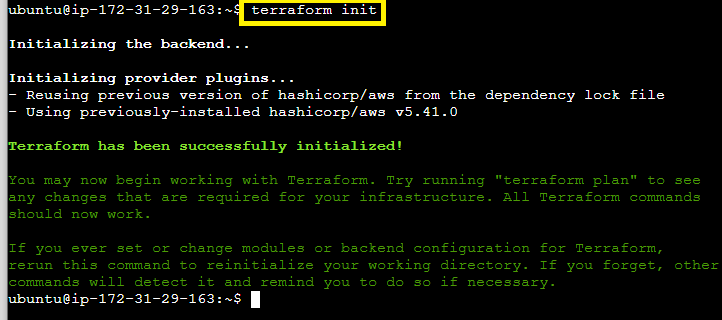
**Note: The “Key Pair” & “AMI ID”** will be **different.**

Inthe **“Name” section, put “hello-virginia” & “hello-ohio”.**

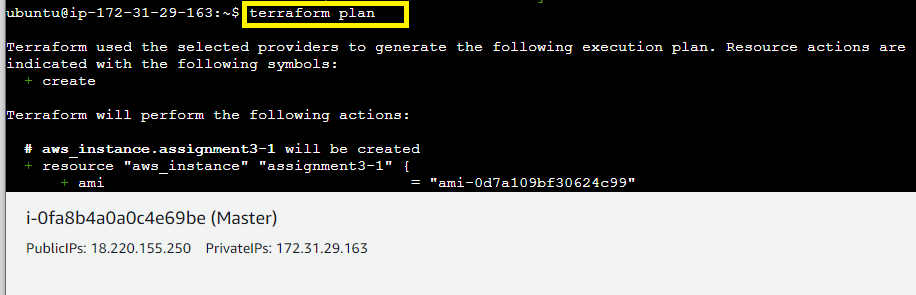
****

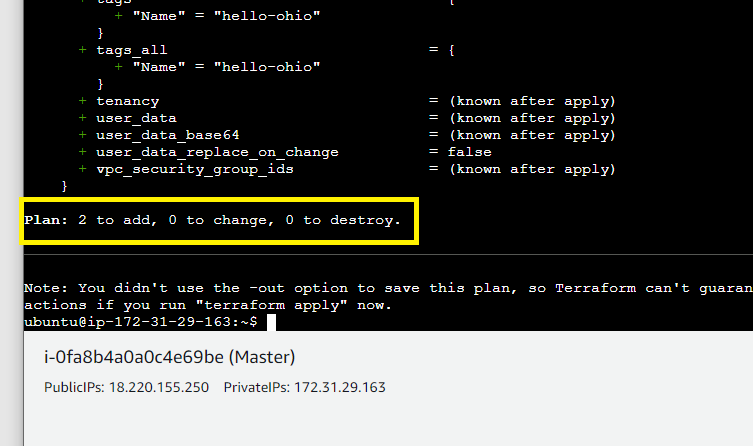
**Do “CTRL+X”** to **exit & Press “Y”** to **save** the **file. Press “enter”** from **exit** the **file completely.**

**Step 3: Run** the **“terraform init” command** for **initializing the terraform.**

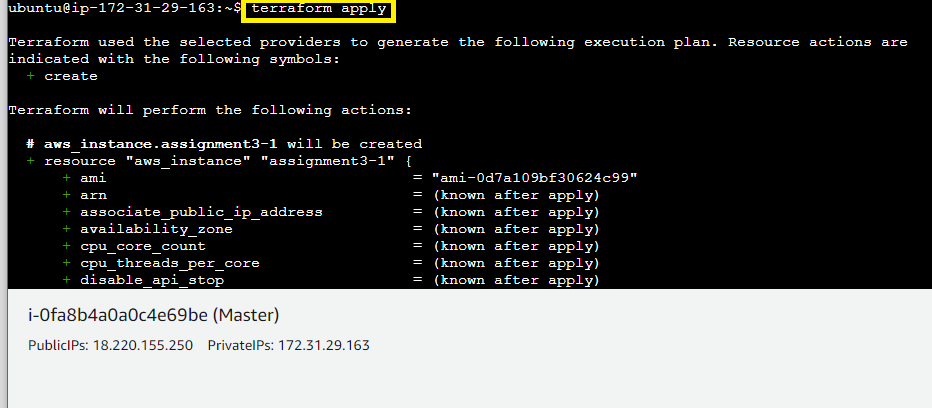
****

**Step 4: Run** the **“terraform plan” command** to **execute the plan.**

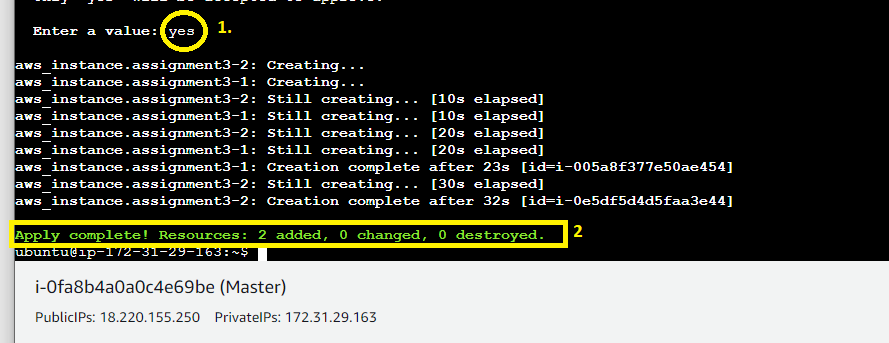
****

****

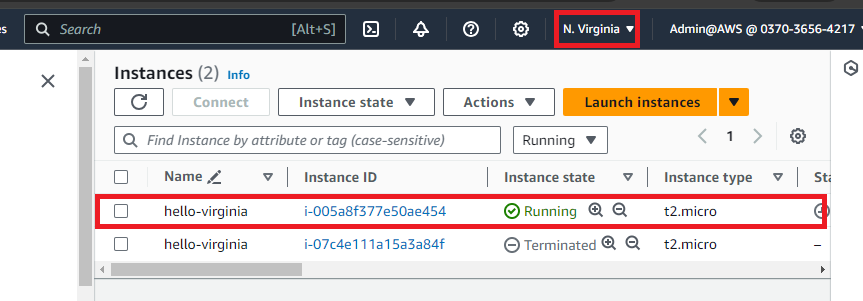
**Step 5: Now, we** will **run** the **“terraform apply” command** to **create** the **infrastructure** or **2 Instances** in the **separate regions.**

****

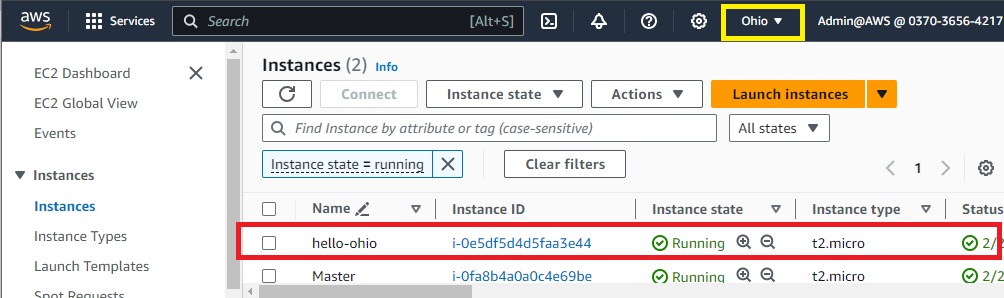
**Step 6: Type “yes”** to **create** the **separate instances** successfully**.**

****

**Step 7: Now, go** tothe **“North Virginia” region, an instance named** as **“hello-virginia”** has been **successfully created.**

****

**Step 8: Now, go** to **“Ohio” region, an instance named** as **“hello-ohio”** has been **successfully created.**

****

**🡨--------------------------Assignment 3 Completed-------------------------------🡪**