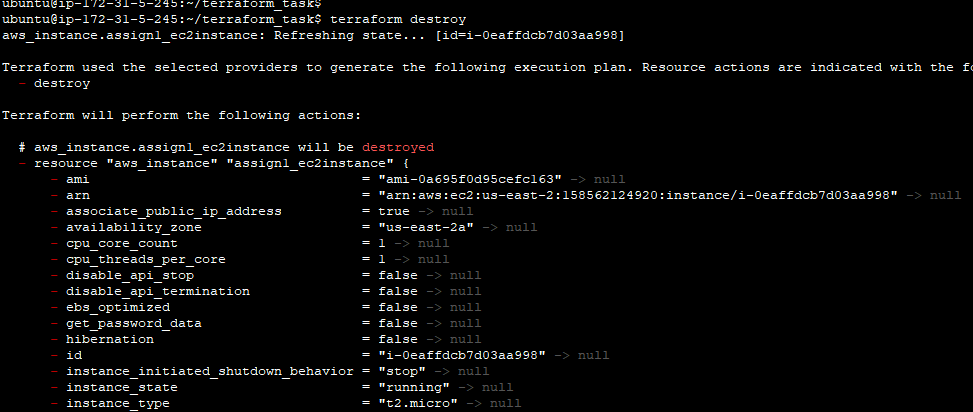
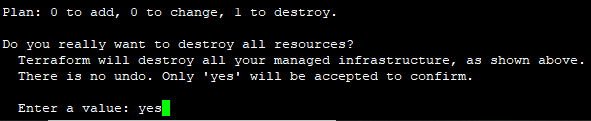
To destroy previous deployment run the below command.

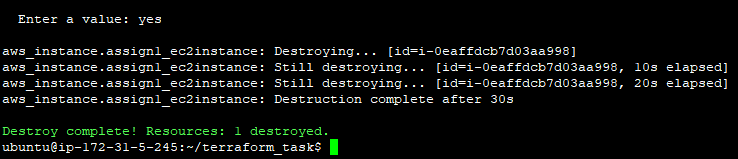
**terraform destroy**



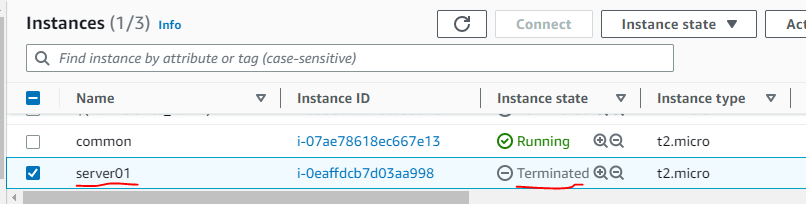
Enter yes to confirm.



And our EC2 instance has been destroyed.



And we can validate the same in AWS management console. Server01 has been terminated.



Now create main.tf file with below lines of code.

**provider "aws" {**

**access\_key = "AKIASJ2YKAR4DL3NNPHW"**

**secret\_key = "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"**

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

**}**

**resource "aws\_instance" "assign1\_ec2instance" {**

**ami = "${var.ami\_id}"**

**instance\_type = "${var.instance\_type}"**

**key\_name = "${var.ami\_key\_pair\_name}"**

**tags = {**

**Name ="${var.instance\_name}"**

**}**

**}**

**#Create an Elastic IP**

**resource "aws\_eip" "demo-eip" {**

**vpc = true**

**}**

**#Associate EIP with EC2 Instance**

**resource "aws\_eip\_association" "demo-eip-association" {**

**instance\_id = aws\_instance.assign1\_ec2instance.id**

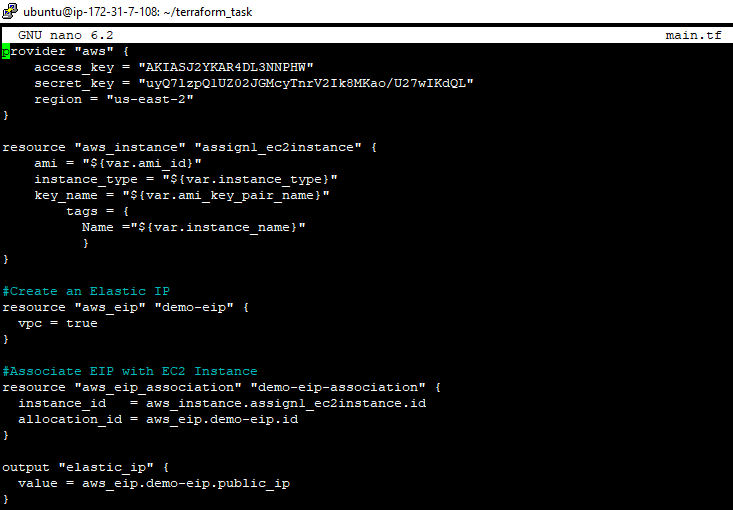
**allocation\_id = aws\_eip.demo-eip.id**

**}**

**output "elastic\_ip" {**

**value = aws\_eip.demo-eip.public\_ip**

**}**



**And create variables.tf file with below lines of code.**

**variable "instance\_name" {**

**description = "Name of the instance to be created"**

**default = "server01"**

**}**

**variable "instance\_type" {**

**default = "t2.micro"**

**}**

**variable "ami\_id" {**

**description = "The AMI to use"**

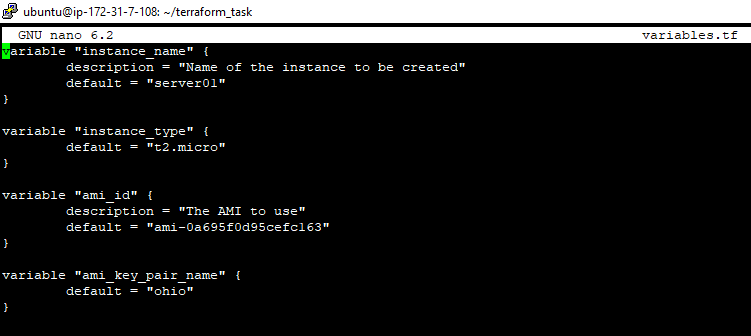
**default = "ami-0a695f0d95cefc163"**

**}**

**variable "ami\_key\_pair\_name" {**

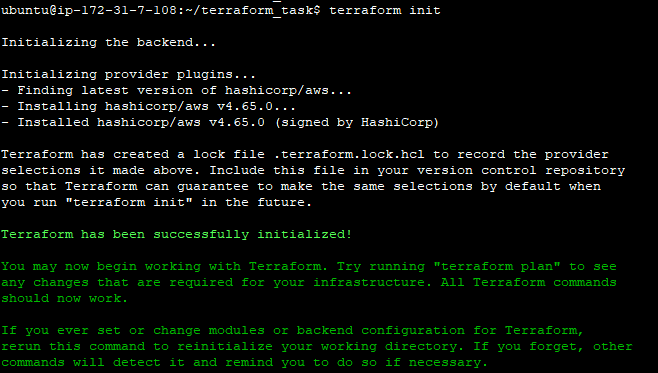
**default = "ohio"**

**}**



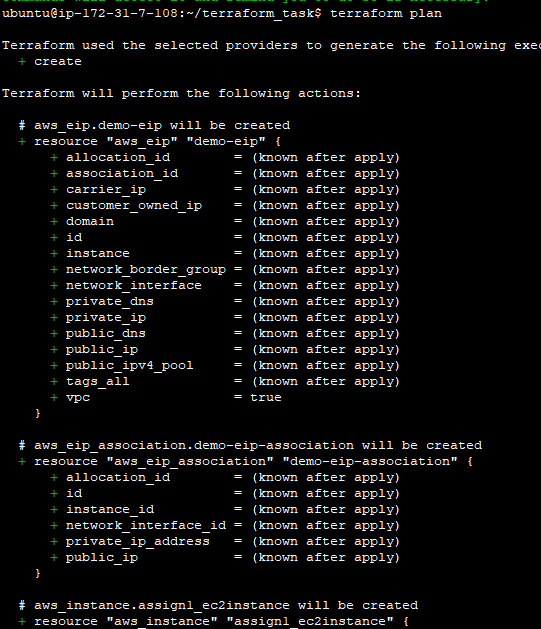
Now run below command:

**terraform init**



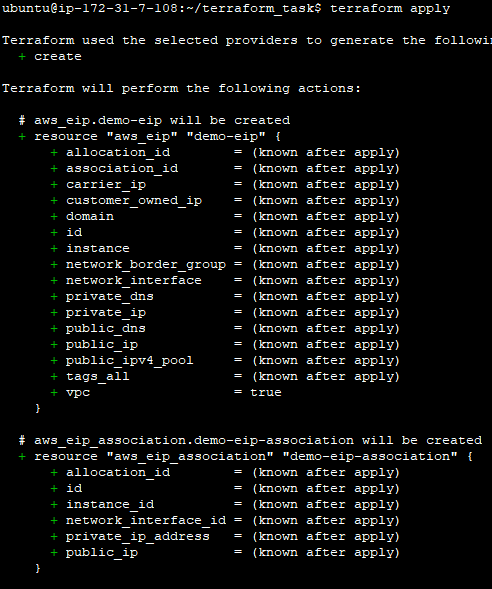
Then run below command:

**terraform plan**

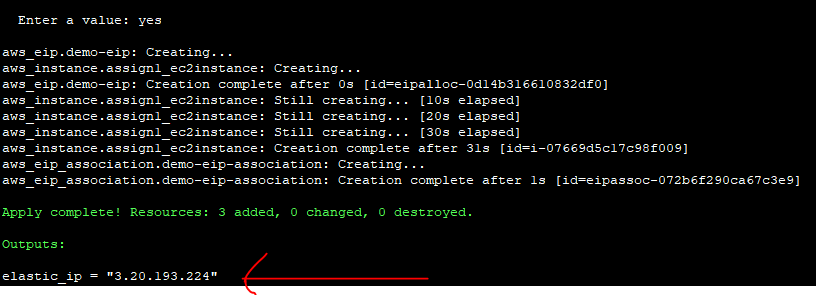


Then run below command:

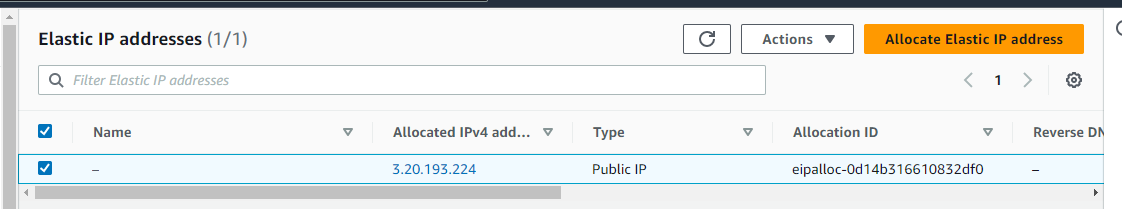
**terraform apply**



**Enter yes.**



Our EC2 instance has been created with elastic IP as shown above. We can validate this elastic IP in AWS management console.



And the same elastic IP has been assigned to the EC2 instance.

