

Terraform Assignment - 4

You have been asked to:

- Destroy the previous deployments
- Create a script to install apache2
- Run this script on a newly created EC2 instance
- Print the IP address of the instance in a file on the local, once deployed

Steps:

Update the below script in the pass.tf file

```
provider "aws" {
  access_key = "AKIAVNPLXOGUAGQNP6LT"
  secret_key = "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"
  region = "us-east-2"
}

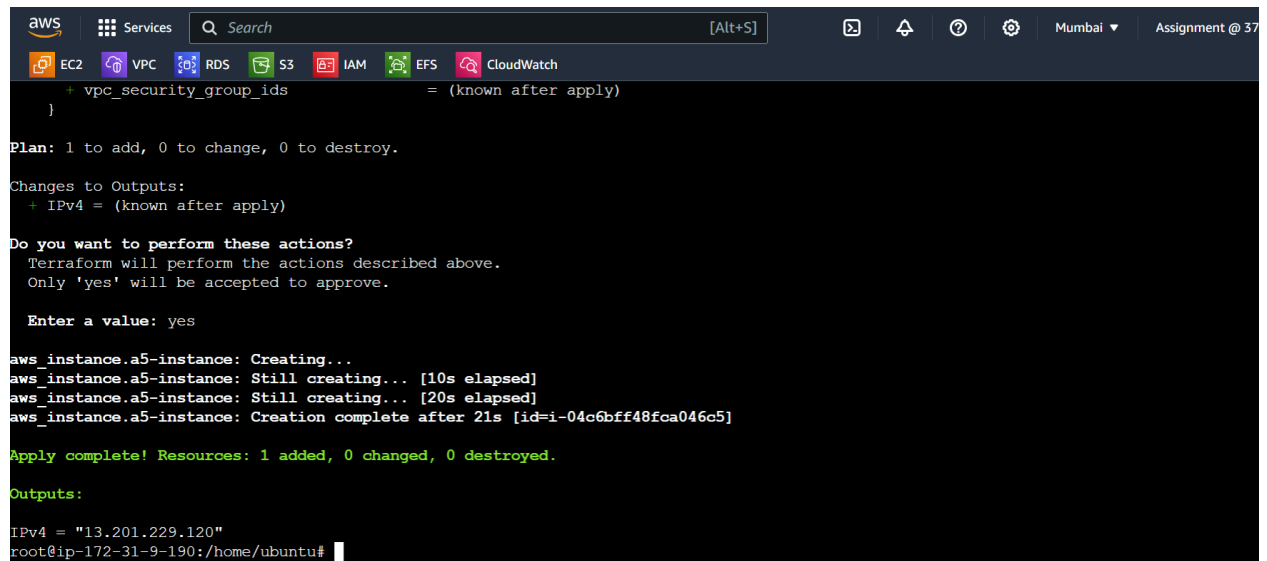
resource "aws_instance" "a5-instance" {
  ami = "ami-007020fd9c84e18c7"
  instance_type = "t2.micro"
  key_name = "Newword"
  user_data = "${file("install-apache2.sh")}"
  tags = {
    Name = "a5-instance"
  }
}

output "IPv4" {
  value = aws_instance.a5-instance.public_ip
}
```

Now Create the folder named "install-apache2.sh" to install the apache2 to fetch the details

```
#!/bin/bash
sudo apt update -y
sudo apt install apache2 -y
sudo su
```

```
echo "Custom html page" > /var/www/html/index.html
```

A screenshot of the AWS CLI interface. The top bar shows the AWS logo, a 'Services' menu, a search bar, and icons for various AWS services like EC2, VPC, RDS, S3, IAM, EFS, and CloudWatch. The main terminal area displays the output of a Terraform apply command. It shows a plan for adding a security group, followed by a confirmation prompt 'Do you want to perform these actions?' which is answered 'yes'. The output then shows the creation of an 'aws_instance.a5-instance' with a progress bar and a final status 'Creation complete after 21s'. The apply is successful, adding one resource. The output section shows the 'IPv4' address as '13.201.229.120'. The prompt at the bottom is 'root@ip-172-31-9-190:/home/ubuntu#'.

```
awscli
awscli Services Search [Alt+S]
awscli EC2 VPC RDS S3 IAM EFS CloudWatch
+ vpc_security_group_ids = (known after apply)
}
Plan: 1 to add, 0 to change, 0 to destroy.
Changes to Outputs:
+ IPv4 = (known after apply)
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.a5-instance: Creating...
aws_instance.a5-instance: Still creating... [10s elapsed]
aws_instance.a5-instance: Still creating... [20s elapsed]
aws_instance.a5-instance: Creation complete after 21s [id=i-04c6bff48fca046c5]
Apply complete! Resources: 1 added, 0 changed, 0 destroyed.
Outputs:
IPv4 = "13.201.229.120"
root@ip-172-31-9-190:/home/ubuntu#
```