Terraform Assignment - 2

You have been asked to:

- Destroy the previous deployment
- Create a new EC2 instance with an Elastic IP

```
ubuntu@ip-172-31-34-196:~/assignment1$ terraform destroy
aws_instance.instance1: Refreshing state... [id=i-0d05aa0881ab8182a]

Terraform used the selected providers to generate the following execution plan. Resource actions are indicated with the following
symbols:
  - destroy

Terraform will perform the following actions:
```

i-0d81c556e43b0246d (Terraform-Assignment)

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```
  Enter a value: yes

aws_instance.instance1: Destroying... [id=i-0d05aa0881ab8182a]
aws_instance.instance1: Still destroying... [id=i-0d05aa0881ab8182a, 10s elapsed]
aws_instance.instance1: Still destroying... [id=i-0d05aa0881ab8182a, 20s elapsed]
aws_instance.instance1: Still destroying... [id=i-0d05aa0881ab8182a, 30s elapsed]
aws_instance.instance1: Still destroying... [id=i-0d05aa0881ab8182a, 40s elapsed]
aws_instance.instance1: Destruction complete after 42s

Destroy complete! Resources: 1 destroyed.
ubuntu@ip-172-31-34-196:~/assignment1$
```

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```
ubuntu@ip-172-31-34-196:~$ mkdir assignment2
ubuntu@ip-172-31-34-196:~$ cd assignment2
ubuntu@ip-172-31-34-196:~/assignment2$
```

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```
provider "aws" {

  region = "us-east-2"

}


resource "aws_instance" "assignment2" {

  ami = "ami-09040d770ffe2224f"

  instance_type = "t2.micro"
```

```
  tags = {

    Name = "assignment2"

  }

}

resource "aws_eip" "eip" {

  vpc = true

}

resource "aws_eip_association" "eip_assoc" {

  instance_id = aws_instance.assignment2.id

  allocation_id = aws_eip.eip.id

}
```

```
ubuntu@ip-172-31-34-196:~/assignment2$ vi main.tf
ubuntu@ip-172-31-34-196:~/assignment2$ cat main.tf
provider "aws" {
  region = "us-east-2"
}

resource "aws_instance" "assignment2" {
  ami = "ami-09040d770ffe2224f"
  instance_type = "t2.micro"
  tags = {
    Name = "assignment2"
  }
}
resource "aws_eip" "eip" {
  vpc = true
}
resource "aws_eip_association" "eip_assoc" {
  instance_id = aws_instance.assignment2.id
  allocation_id = aws_eip.eip.id
}
ubuntu@ip-172-31-34-196:~/assignment2$
```

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```
ubuntu@ip-172-31-34-196:~/assignment2$ terraform init

Initializing the backend...

Initializing provider plugins...
- Finding latest version of hashicorp/aws...
- Installing hashicorp/aws v5.52.0...
- Installed hashicorp/aws v5.52.0 (signed by HashiCorp)
```

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```
Terraform has been successfully initialized!

You may now begin working with Terraform. Try running "terraform plan" to see
any changes that are required for your infrastructure. All Terraform commands
should now work.

If you ever set or change modules or backend configuration for Terraform,
rerun this command to reinitialize your working directory. If you forget, other
commands will detect it and remind you to do so if necessary.
ubuntu@ip-172-31-34-196:~/assignment2$ terraform plan

Terraform used the selected providers to generate the following execution plan. Resource actions are indicated with the following
symbols:
  + create

Terraform will perform the following actions:

  # aws_eip.eip will be created
```

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```
ubuntu@ip-172-31-34-196:~/assignment2$ terraform apply

Terraform used the selected providers to generate the following execution plan. Resource actions are indicated with the following
symbols:
  + create

Terraform will perform the following actions:

  # aws_eip.eip will be created
  + resource "aws_eip" "eip" {
      + allocation_id         = (known after apply)
```

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```
aws_eip_association.eip_assoc: Creating...
aws_eip_association.eip_assoc: Creation complete after 1s [id=eipassoc-03dd86b37f45a4d9b

│ Warning: Argument is deprecated
│
│   with aws_eip.eip,
│   on main.tf line 13, in resource "aws_eip" "eip":
│   13:   vpc = true
│
│ use domain attribute instead


Apply complete! Resources: 3 added, 0 changed, 0 destroyed.
ubuntu@ip-172-31-34-196:~/assignment2$ []
```
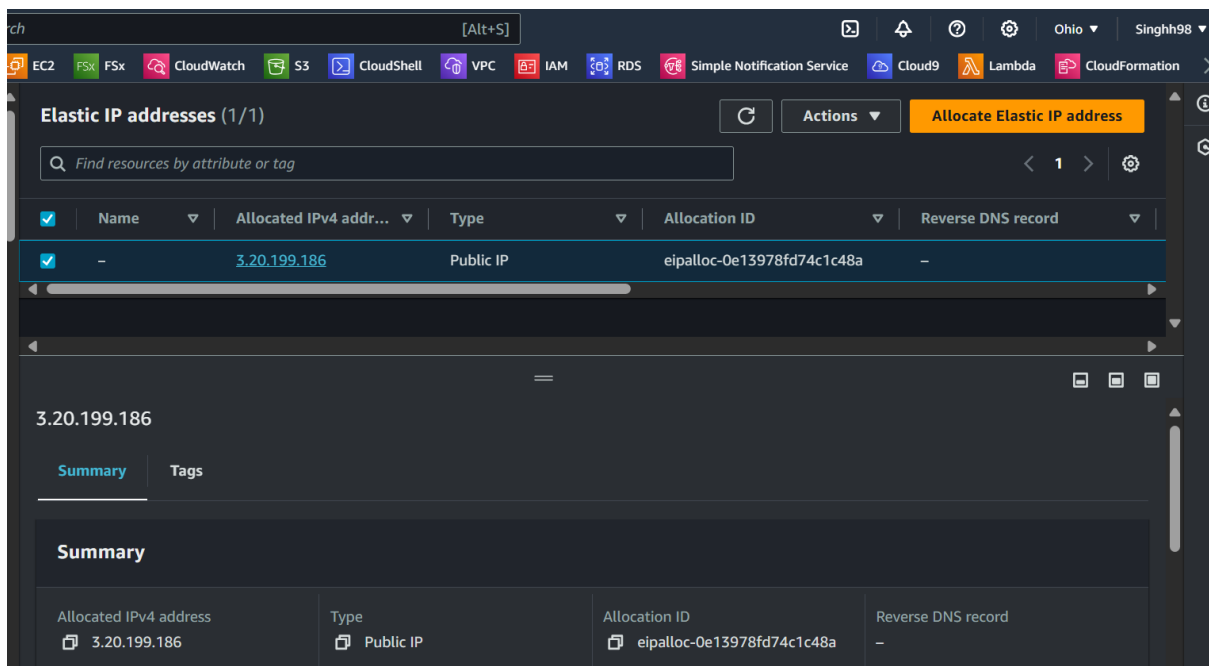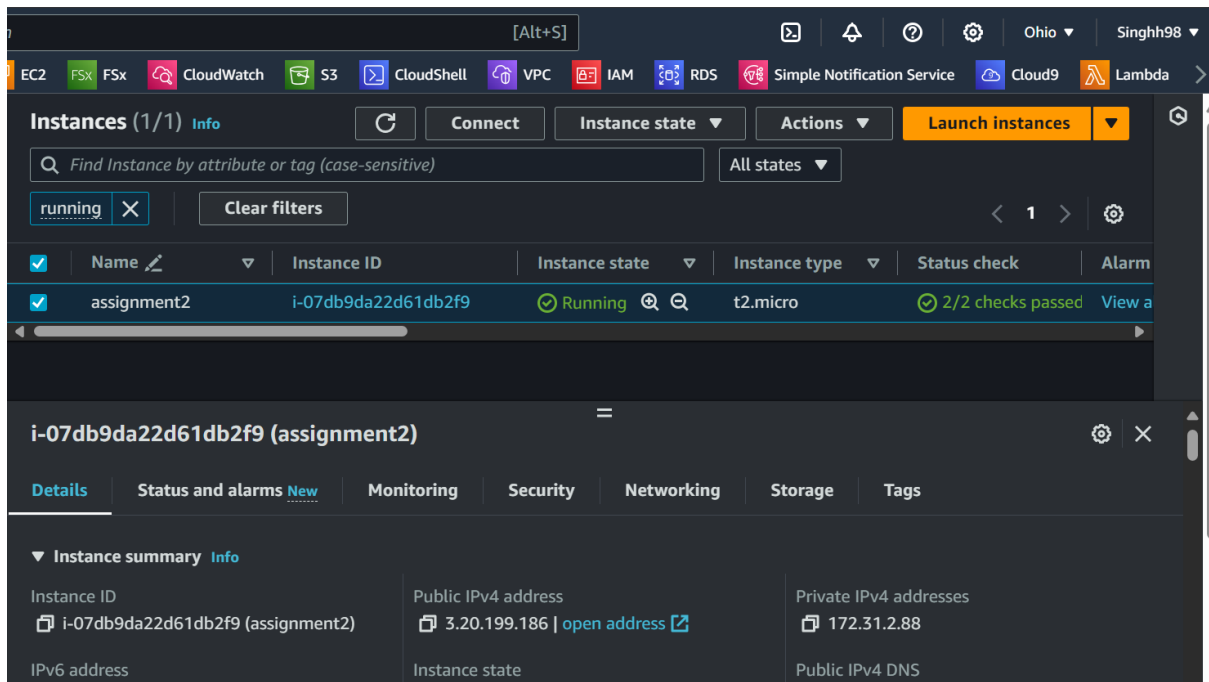
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We could see in the above snip that the Elastic IP has been attached with the instance.

********** THE END **********