

Terraform Assignment - 3

You have been asked to:

- Destroy the previous deployment
 - Create 2 EC2 instances in Ohio and N.Virginia respectively
 - Rename Ohio's instance to 'hello-ohio' and Virginia's instance to 'hello-virginia'
-

```
ubuntu@ip-172-31-34-196:~/assignment2$ terraform destroy
aws_eip.eip: Refreshing state... [id=eipalloc-0e13978fd74c1c48a]
aws_instance.assignment2: Refreshing state... [id=i-07db9da22d61db2f9]
aws_eip_association.eip_assoc: Refreshing state... [id=eipassoc-03dd86b37f45a4d9b]

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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```

```
provider "aws" {
  alias = "Ohio"
  region = "us-east-2"
}

provider "aws" {
  alias = "NV"
  region = "us-east-1"
}

resource "aws_instance" "assignment3a" {
  provider = aws.Ohio
  ami = "ami-09040d770ffe2224f"
  instance_type = "t2.micro"
  tags = {
    Name = "hello-ohio"
  }
}

resource "aws_instance" "assignment3b" {
  provider = aws.NV
  ami = "ami-04b70fa74e45c3917"
  instance_type = "t2.micro"
```

```
tags = {  
  
  Name = "hello-virginia"  
  
}  
  
}
```

```
ubuntu@ip-172-31-34-196:~/assignment3$ vi main.tf  
ubuntu@ip-172-31-34-196:~/assignment3$ cat main.tf  
provider "aws" {  
  alias = "Ohio"  
  region = "us-east-2"  
}  
provider "aws" {  
  alias = "NV"  
  region = "us-east-1"  
}  
  
resource "aws_instance" "assignment3a" {  
  provider = aws.Ohio  
  ami = "ami-09040d770ffe2224f"  
  instance_type = "t2.micro"  
  tags = {  
    Name = "hello-ohio"  
  }  
}  
  
resource "aws_instance" "assignment3b" {  
  provider = aws.NV  
  ami = "ami-04b70fa74e45c3917"  
  instance_type = "t2.micro"  
  tags = {  
    Name = "hello-virginia"  
  }  
}  
ubuntu@ip-172-31-34-196:~/assignment3$ █
```

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```
ubuntu@ip-172-31-34-196:~/assignment3$ terraform init
```

Initializing the backend...

Initializing provider plugins...

- Finding latest version of hashicorp/aws...
- Installing hashicorp/aws v5.52.0...

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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:~/assignment3\$

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ubuntu@ip-172-31-34-196:~/assignment3\$ 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_instance.assignment3a will be created
+ resource "aws_instance" "assignment3a" {
  + ami           = "ami-09040d770ffe2224f"
  + arn           = (known after apply)
  + associate_public_ip_address = (known after apply)
```

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ubuntu@ip-172-31-34-196:~/assignment3\$ 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:

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Enter a value: yes

aws_instance.assignment3a: Creating...

aws_instance.assignment3b: Creating...

aws_instance.assignment3a: Still creating... [10s elapsed]

aws_instance.assignment3b: Still creating... [10s elapsed]

aws_instance.assignment3a: Still creating... [20s elapsed]

aws_instance.assignment3b: Still creating... [20s elapsed]

aws_instance.assignment3a: Still creating... [30s elapsed]

aws_instance.assignment3b: Still creating... [30s elapsed]

aws_instance.assignment3a: Creation complete after 36s [id=i-036f1a094d14ce199]

aws_instance.assignment3b: Creation complete after 36s [id=i-028ebc626775fc4d4]

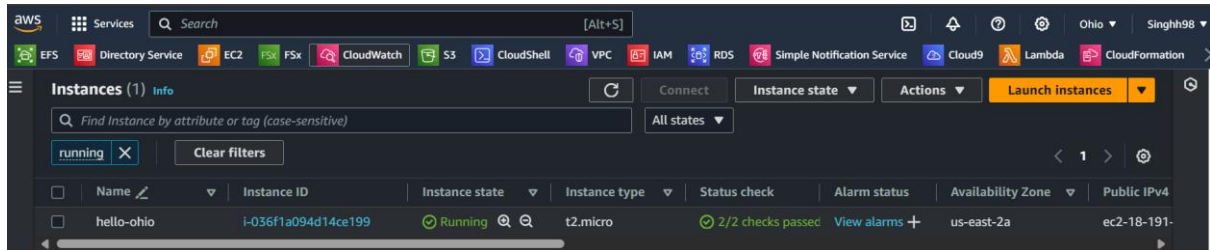
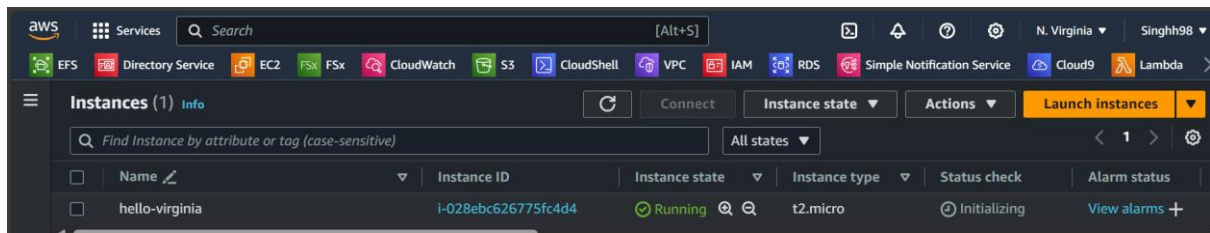
Apply complete! Resources: 2 added, 0 changed, 0 destroyed.

ubuntu@ip-172-31-34-196:~/assignment3\$

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We could see in the below snip that the instance has been launched in Ohio and N. Virginia region.



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