

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'

1. TERRAFORM DESTROY

```

subby@subby-ubuntu:~/Desktop/terraform$ terraform destroy
data.aws_ami.ohio_ami: Reading...
data.aws_ami.ohio_ami: Read complete after 3s [id=ami-0da9b6167383dde73]
aws_instance.ec2_ohio: Refreshing state... [id=i-0dedd2988fcd607a1]
aws_eip.example: Refreshing state... [id=eipalloc-04152adab8d1c0c34]

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

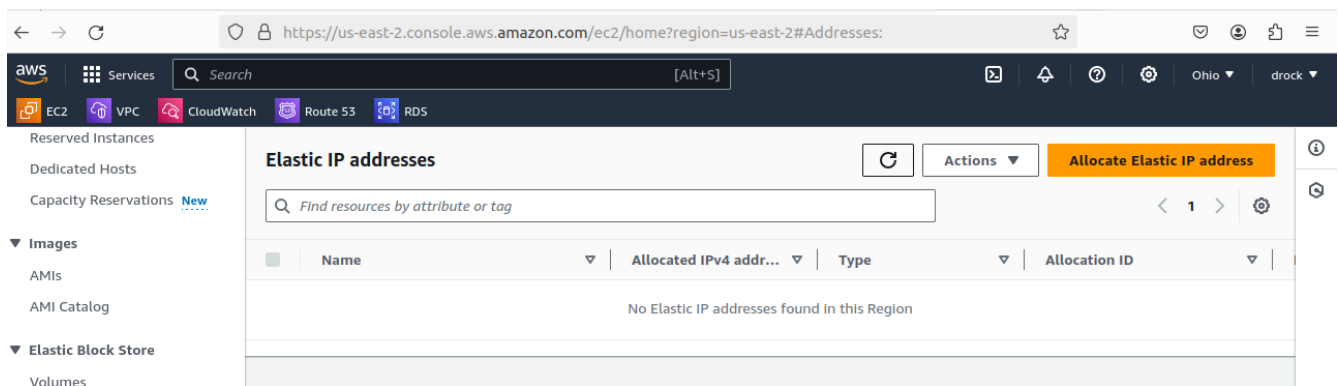
Terraform will perform the following actions:

# aws_eip.example will be destroyed
- resource "aws_eip" "example" {
  - allocation_id      = "eipalloc-04152adab8d1c0c34" -> null
  - association_id     = "eipassoc-0a2d69f331928a279" -> null
  - domain            = "vpc" -> null
  - id                = "eipalloc-04152adab8d1c0c34" -> null
  - instance          = "i-0dedd2988fcd607a1" -> null
  - network_border_group = "us-east-2" -> null
  - network_interface  = "eni-0d206ea69ba5c35da" -> null
  - private_dns        = "ip-172-31-0-213.us-east-2.compute.internal" -> null
  - private_ip         = "172.31.0.213" -> null
  - public_dns         = "ec2-3-13-27-144.us-east-2.compute.amazonaws.com" -> null
  - public_ip          = "3.13.27.144" -> null
  - public_ipv4_pool    = "amazon" -> null
  - tags               = {} -> null
  - tags_all           = {} -> null
  - vpc                = "ec2-3-13-27-144.us-east-2.compute.amazonaws.com" -> null
}
  
```

INSTANCE TERMINATE

Name	Instance ID	Instance state	Instance type	Status check	Alarm status
ec2-ohio	i-096c5a995bd7b98d8	Terminated	t2.micro	-	View alarms
ec2-ohio	i-0dedd2988fcd607a1	Terminated	t2.micro	-	View alarms

EIP DELETED



NO: Create 2 EC2 instances in Ohio and N.Virginia respectively

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

```
data "aws_ami" "ohio_ami" {
  most_recent = true
```

```
  filter {
    name   = "name"
    values = ["amzn2-ami-hvm-*"]
  }
```

```
  filter {
    name   = "virtualization-type"
    values = ["hvm"]
  }
```

```
  owners = ["amazon"]
}
```

```
provider "aws" {
  alias   = "virginia"
  region = "us-east-1" # N. Virginia region
}
```

```
data "aws_ami" "virginia_ami" {
  provider = aws.virginia
  most_recent = true
```

```
  filter {
    name   = "name"
```

```

    values = ["amzn2-ami-hvm-*"]
}

filter {
  name = "virtualization-type"
  values = ["hvm"]
}

owners = ["amazon"]
}

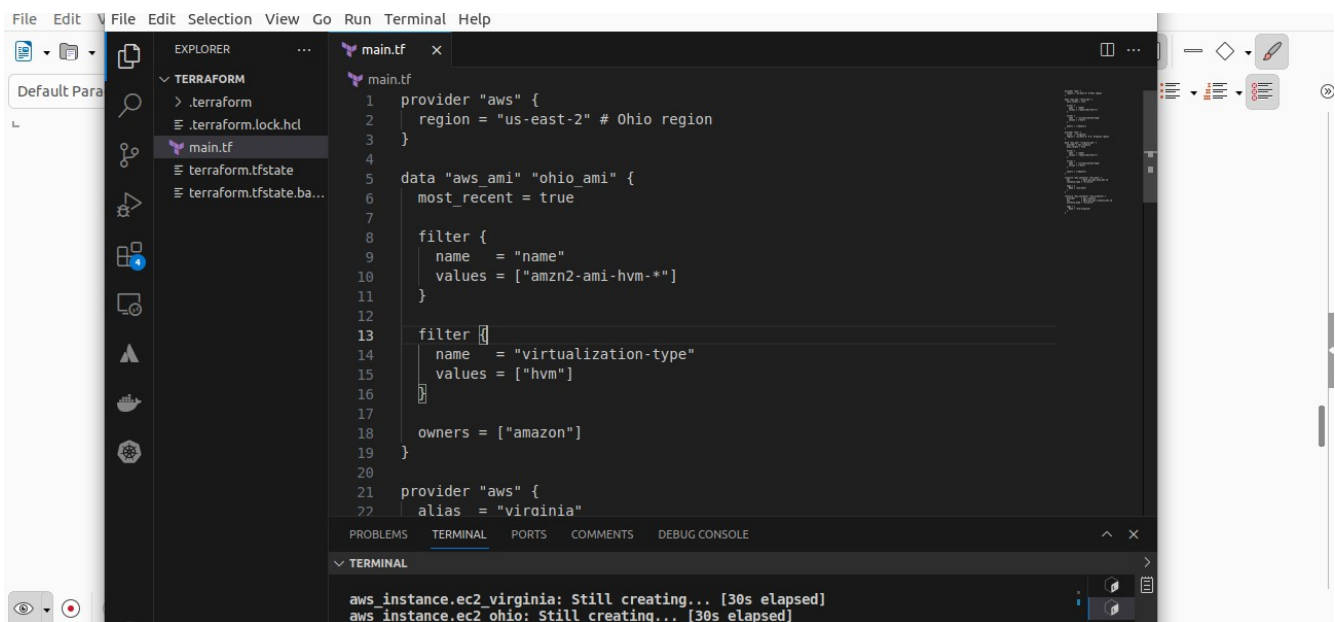
resource "aws_instance" "ec2_ohio" {
  ami      = data.aws_ami.ohio_ami.id
  instance_type = "t2.micro"

  tags = {
    Name = "ec2-ohio"
  }
}

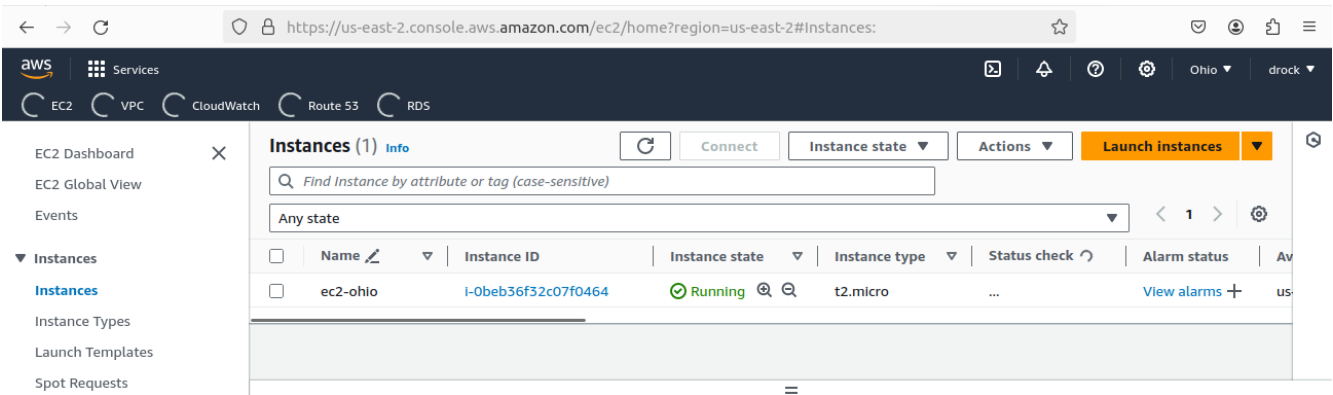
resource "aws_instance" "ec2_virginia" {
  provider    = aws.virginia
  ami         = data.aws_ami.virginia_ami.id
  instance_type = "t2.micro"

  tags = {
    Name = "ec2-virginia"
  }
}

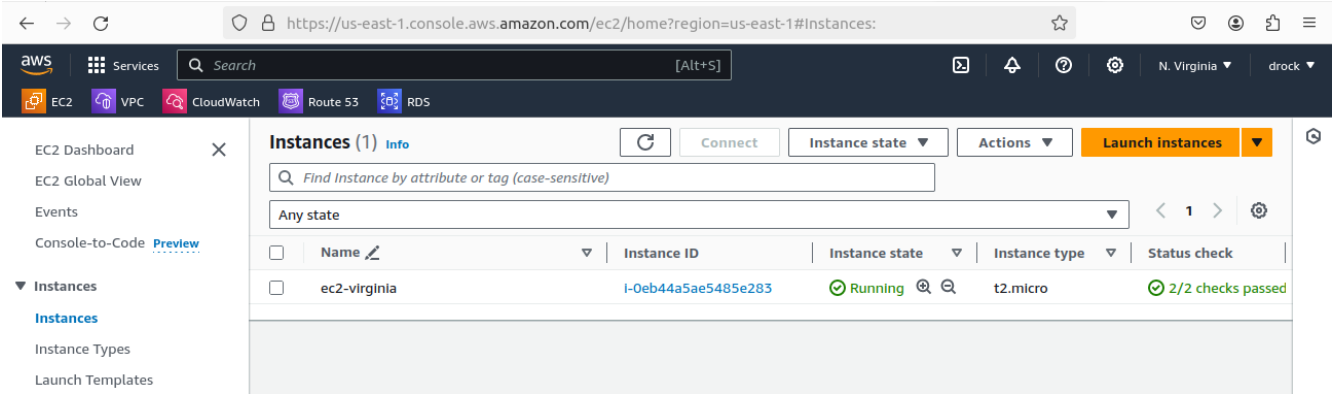
```



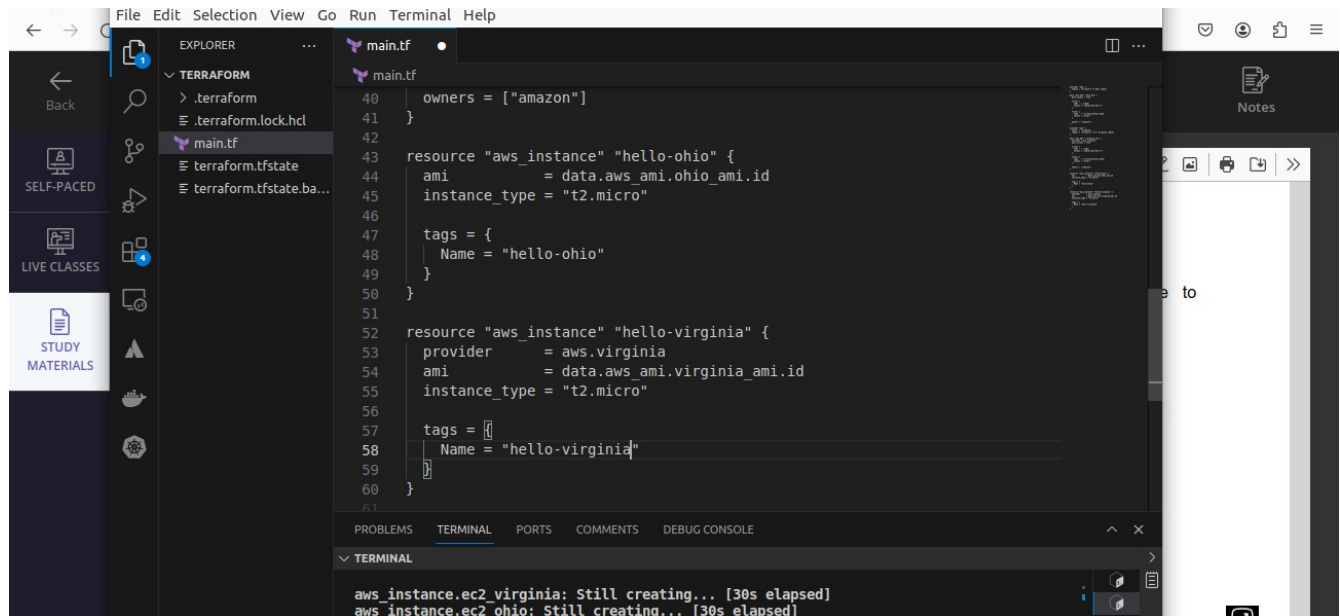
INSTANCE CREATED IN OHIO



INSTANCE CREATED IN VIRGINIA



NO:3 Rename Ohio's instance to 'hello-ohio' and Virginia's instance to 'hello-virginia'



save
terraform apply

