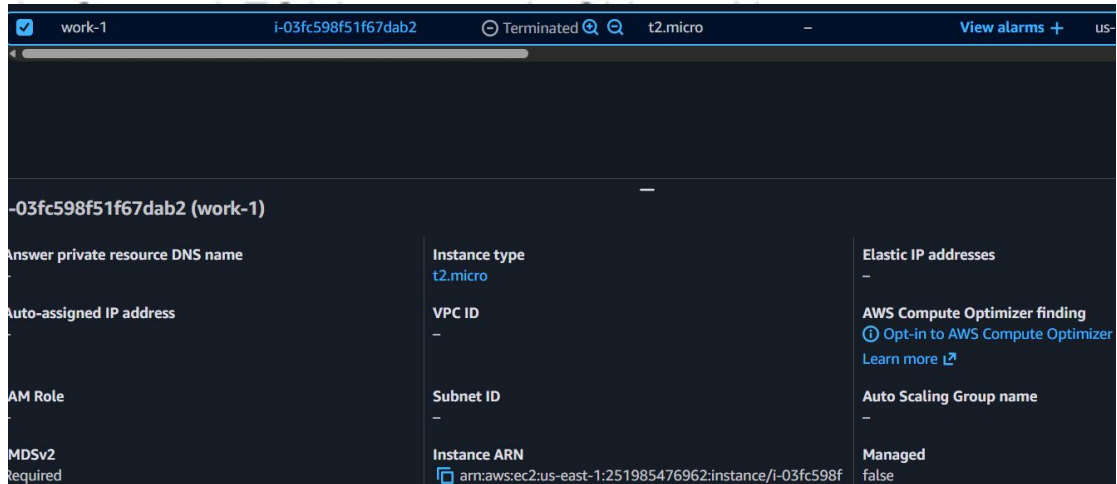


Tasks To Be Performed:

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. Destroy the previous deployment



2. Create 2 EC2 instances in Ohio and N.Virginia respectively

```
provider "aws" {
  alias = "oregon"
  region = "us-west-2"
  access_key = "AKIATVK4BHVRIRE5B5OU"
  secret_key = "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"
}

provider "aws" {
  alias = "NV"
  region = "us-east-1"
  access_key = "AKIATVK4BHVRIRE5B5OU"
  secret_key = "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"
}

resource "aws_instance" "oregon-instance" {
  provider = aws.oregon
  ami = "ami-04f9aa2b7c7091927"
  instance_type = "t2.micro"
  key_name = "oregon-kp"
  tags = {
    Name = "hello-oregon"
  }
}

resource "aws_instance" "NV-instance" {
  provider = aws.NV
  ami = "ami-0cae6d6fe6048ca2c"
```

```
resource "aws_instance" "oregon-instance"{
  provider = aws.oregon
  ami = "ami-04f9aa2b7c7091927"
  instance_type = "t2.micro"
  key_name = "oregon-kp"
  tags = {
    Name = "hello-oregon"
  }
}

resource "aws_instance" "NV-instance"{
  provider = aws.NV
  ami = "ami-0cae6d6fe6048ca2c"
  instance_type = "t2.micro"
  key_name = "terra-kp"
  tags = {
    Name = "hello-North-virginia"
  }
}
```

```
ubuntu@ip-172-31-28-242:~$ terraform plan
```

```
Terraform used the selected providers to generate the following execution  
+ create
```

```
Terraform will perform the following actions:
```

```
# aws_instance.NV-instance will be created  
+ resource "aws_instance" "NV-instance" {  
  + ami                        = "ami-0cae6d6fe6048ca2c"  
  + arn                       = (known after apply)  
  + associate_public_ip_address = (known after apply)  
  + availability_zone          = (known after apply)  
  + disable_api_stop           = (known after apply)  
  + disable_api_termination    = (known after apply)  
  + ebs_optimized              = (known after apply)  
  + enable_primary_ipv6        = (known after apply)  
  + force_destroy              = false  
  + get_password_data          = false  
  + host_id                   = (known after apply)  
  + host_resource_group_arn    = (known after apply)  
  + iam_instance_profile       = (known after apply)  
  + id                         = (known after apply)  
  + instance_initiated_shutdown_behavior = (known after apply)  
  + instance_lifecycle         = (known after apply)  
  + instance_state             = (known after apply)  
  + instance_type              = "t2.micro"  
  + ipv6_address_count         = (known after apply)  
  + ipv6_addresses             = (known after apply)  
  + key_name                   = "terra-kp"  
  + monitoring                 = (known after apply)  
  + outpost_arn               = (known after apply)  
  + password_data              = (known after apply)  
  + placement_group            = (known after apply)
```

```
+ capacity_reservation_specification (known after apply)
+ cpu_options (known after apply)
+ ebs_block_device (known after apply)
+ enclave_options (known after apply)
+ ephemeral_block_device (known after apply)
+ instance_market_options (known after apply)
+ maintenance_options (known after apply)
+ metadata_options (known after apply)
+ network_interface (known after apply)
+ primary_network_interface (known after apply)
+ private_dns_name_options (known after apply)
+ root_block_device (known after apply)
}
```

Plan: 2 to add, 0 to change, 0 to destroy.

Note: You didn't use the `-out` option to save this plan, so Terraform will automatically save it to the console. You can disable this behavior by setting the `terraform.auto_apply` option to `false`.
ubuntu@ip-172-31-28-242:~\$

```
ubuntu@ip-172-31-28-242:~$ terraform apply

Terraform used the selected providers to generate the following execution plan. Resources to be
+ create

Terraform will perform the following actions:

# aws_instance.NV-instance will be created
+ resource "aws_instance" "NV-instance" {
  + ami                        = "ami-0cae6d6fe6048ca2c"
  + arn                       = (known after apply)
  + associate_public_ip_address = (known after apply)
  + availability_zone          = (known after apply)
  + disable_api_stop           = (known after apply)
  + disable_api_termination    = (known after apply)
  + ebs_optimized              = (known after apply)
  + enable_primary_ipv6        = (known after apply)
  + force_destroy              = false
  + get_password_data          = false
  + host_id                   = (known after apply)
  + host_resource_group_arn    = (known after apply)
  + iam_instance_profile       = (known after apply)
  + id                        = (known after apply)
  + instance_initiated_shutdown_behavior = (known after apply)
  + instance_lifecycle         = (known after apply)
  + instance_state             = (known after apply)
  + instance_type              = "t2.micro"
  + ipv6_address_count         = (known after apply)
  + ipv6_addresses             = (known after apply)
  + key_name                   = "terra-kp"
  + monitoring                 = (known after apply)
  + outpost_arn               = (known after apply)
  + password_data              = (known after apply)
  + placement_group            = (known after apply)
  + private_ip                 = (known after apply)
  + private_ip_prefix          = (known after apply)
  + secondary_ips               = (known after apply)
  + subnet_id                  = (known after apply)
  + tags                       = {}
  + vpc_id                    = (known after apply)
}
```

```

+ instance_market_options (known after apply)

+ maintenance_options (known after apply)

+ metadata_options (known after apply)

+ network_interface (known after apply)

+ primary_network_interface (known after apply)

+ private_dns_name_options (known after apply)

+ root_block_device (known after apply)
}

Plan: 2 to add, 0 to change, 0 to destroy.

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.NV-instance: Creating...
aws_instance.oregon-instance: Creating...
aws_instance.NV-instance: Still creating... [00m10s elapsed]
aws_instance.oregon-instance: Still creating... [00m10s elapsed]
aws_instance.NV-instance: Creation complete after 13s [id=i-050ab0975b40bd8d9]
aws_instance.oregon-instance: Still creating... [00m20s elapsed]
aws_instance.oregon-instance: Creation complete after 22s [id=i-0f36a0c0145403dca]

Apply complete! Resources: 2 added, 0 changed, 0 destroyed.
ubuntu@ip-172-31-28-242:~$
```


3. Rename Ohio's instance to 'hello-ohio' and Virginia's instance to 'hello-virginia'

This screenshot shows the AWS Management Console interface for an EC2 instance named 'hello-North-virginia'. The instance is in a 'Running' state. The console displays a table of instances and a detailed view for the selected instance.

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
hello-North-virginia	i-050ab0975b40bd8d9	Running	t2.micro	Initializing	View alarms +	us-east-1b
work-1	i-03fc598f51f67dab2	Terminated	t2.micro	-	View alarms +	us-east-1b

i-050ab0975b40bd8d9 (hello-North-virginia)

Details | Status and alarms | Monitoring | Security | Networking | Storage | Tags

Instance summary Info

Instance ID i-050ab0975b40bd8d9	Public IPv4 address 54.164.182.156 open address	Private IPv4 addresses 172.31.23.5
IPv6 address -	Instance state Running	Public DNS ec2-54-164-182-156.compute-1.amazonaws.com address

This screenshot shows the AWS Management Console interface for an EC2 instance named 'hello-oregon'. The instance is in a 'Running' state. The console displays a table of instances and a detailed view for the selected instance.

Instances (1/1) Info

Find Instance by attribute or tag (case-sensitive) | All states | < 1 > | ⚙️

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4
hello-oregon	i-0f36a0c0145403dca	Running	t2.micro	Initializing	View alarms +	us-west-2a	ec2-52-13-60-124

i-0f36a0c0145403dca (hello-oregon)

Details | Status and alarms | Monitoring | Security | Networking | Storage | Tags

Instance summary Info

Instance ID i-0f36a0c0145403dca	Public IPv4 address 52.13.60.124 open address	Private IPv4 addresses 172.31.38.20
IPv6 address -	Instance state Running	Public DNS ec2-52-13-60-124.us-west-2.compute.amazonaws.com address