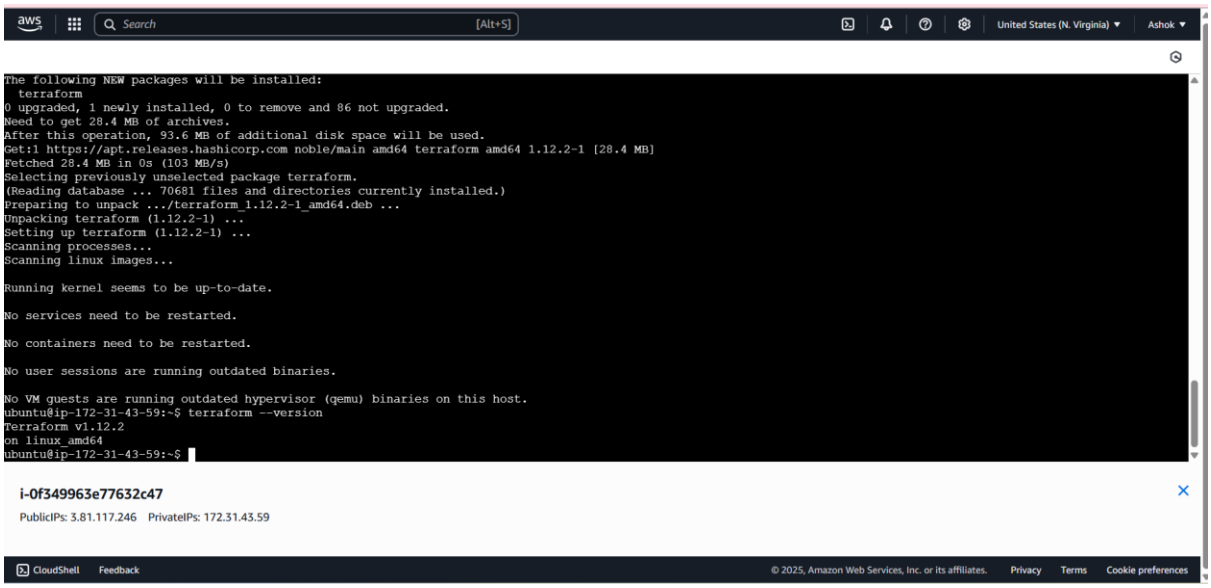
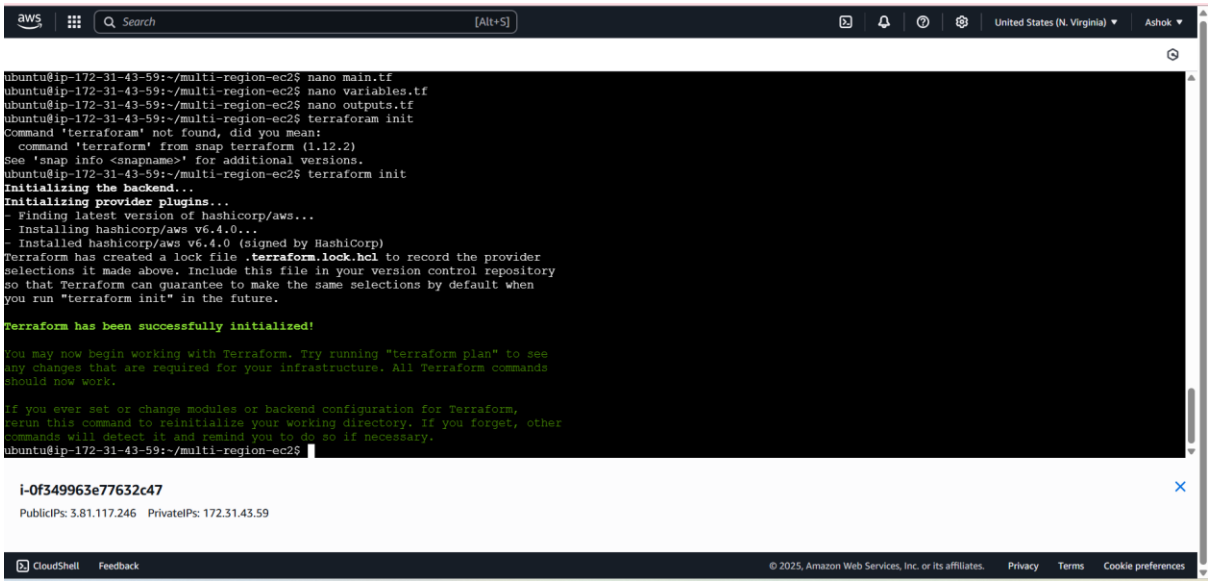
Terraform Task

Task Description:

Launch Linux EC2 instances in two regions using a single Terraform file.

Us region and mumbai region:






```
ubuntu@ip-172-31-8-139:~/multi-region-ec2$ terraform init
Initializing the backend...
Initializing provider plugins...
- Finding latest version of hashicorp/aws...
- Installing hashicorp/aws v6.4.0...
- Installed hashicorp/aws v6.4.0 (signed by HashiCorp)
Terraform has created a lock file .terraform.lock.hcl to record the provider
selections it made above. Include this file in your version control repository
so that Terraform can guarantee to make the same selections by default when
you run "terraform init" in the future.

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-172-31-8-139:~/multi-region-ec2$
```

```
      + placement_group                      = (known after apply)
      + placement_partition_number           = (known after apply)
      + primary_network_interface_id         = (known after apply)
      + private_dns                          = (known after apply)
      + private_ip                           = (known after apply)
      + public_dns                           = (known after apply)
      + public_ip                            = (known after apply)
      + region                               = "us-east-1"
      + secondary_private_ips                = (known after apply)
      + security_groups                      = (known after apply)
      + source_dest_check                    = true
      + spot_instance_request_id             = (known after apply)
      + subnet_id                            = (known after apply)
      + tags                                 = {
          + "Name" = "EC2-US-EAST"
        }
      + tags_all                             = {
          + "Name" = "EC2-US-EAST"
        }
      + tenancy                              = (known after apply)
      + user_data_base64                     = (known after apply)
      + user_data_replace_on_change          = false
      + vpc_security_group_ids               = (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)

      + private_dns_name_options (known after apply)

      + root_block_device (known after apply)
    }

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

Changes to Outputs:
  + ap_instance_ip = (known after apply)
  + us_instance_ip = (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:
```

Final output:

```
Changes to Outputs:
  + ap_instance_ip = (known after apply)
  + us_instance_ip = (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.ec2_us: Creating...
aws_instance.ec2_ap: Creating...
aws_instance.ec2_us: Still creating... [00m10s elapsed]
aws_instance.ec2_ap: Still creating... [00m10s elapsed]
aws_instance.ec2_us: Still creating... [00m20s elapsed]
aws_instance.ec2_ap: Still creating... [00m20s elapsed]
aws_instance.ec2_us: Still creating... [00m30s elapsed]
aws_instance.ec2_ap: Still creating... [00m30s elapsed]
aws_instance.ec2_us: Creation complete after 32s [id=i-0d06506cd6e59c80a]
aws_instance.ec2_ap: Creation complete after 35s [id=i-04515bc21b649a245]

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

Outputs:

ap_instance_ip = "13.235.77.136"
us_instance_ip = "54.221.46.249"
ubuntu@ip-172-31-43-59:~/multi-region-ec2$
```

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

Outputs:

ap_instance_ip = "3.110.54.248"
us_instance_ip = "54.236.20.135"
ubuntu@ip-172-31-8-139:~/multi-region-ec2$
```

```
Outputs:

ap_instance_ip = "13.235.77.136"
us_instance_ip = "54.221.46.249"
ubuntu@ip-172-31-43-59:~/multi-region-ec2$
```

ubuntu@ip-172-31-8-139: ~/multi-region-ec2

```
      + tenancy                              = (known after apply)
      + user_data_base64                     = (known after apply)
      + user_data_replace_on_change          = false
      + vpc_security_group_ids               = (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)

      + private_dns_name_options (known after apply)

      + root_block_device (known after apply)
    }

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

Changes to Outputs:
  + ap_instance_ip = (known after apply)
  + us_instance_ip = (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.ec2_ap: Creating...
aws_instance.ec2_us: Creating...
aws_instance.ec2_ap: Still creating... [00m10s elapsed]
aws_instance.ec2_us: Still creating... [00m10s elapsed]
aws_instance.ec2_ap: Still creating... [00m20s elapsed]
aws_instance.ec2_us: Still creating... [00m20s elapsed]
aws_instance.ec2_ap: Still creating... [00m30s elapsed]
aws_instance.ec2_us: Still creating... [00m30s elapsed]
aws_instance.ec2_ap: Creation complete after 31s [id=i-0d159e9cd36464e70]
aws_instance.ec2_us: Creation complete after 36s [id=i-0b0ee50050e0befd3]

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

Outputs:

ap_instance_ip = "3.110.54.248"
us_instance_ip = "54.236.20.135"
ubuntu@ip-172-31-8-139:~/multi-region-ec2$
```