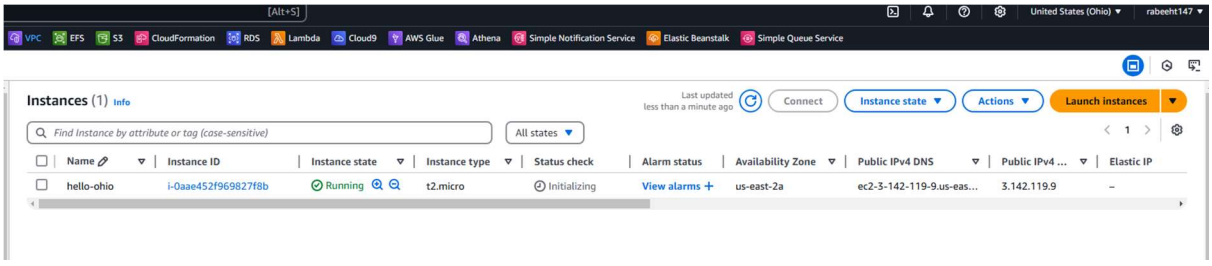
Terraform Assignment – 3

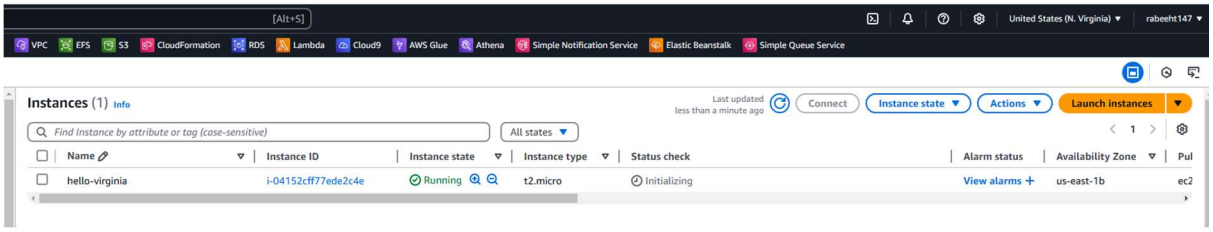
```
provider "aws" {
   region = "us-east-2"
   access_key = "AKIA4MTWGW7C33ESVYP3"
   secret_key  = "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"
}

   resource "aws_instance" "ohio_instance" {
      ami           = "ami-0cb91c7de36eed2cb"
      instance_type = "t2.micro"

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

provider "aws" {

   region = "us-east-1"
   access_key = "AKIA4MTWGW7C33ESVYP3"
   secret_key  = "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"
}

resource "aws_instance" "virginia_instance" {
   provider      = aws.virginia
   ami           = "ami-04b4f1a9cf54c11d0"
   instance_type = "t2.micro"

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

```

```
user@user:~/terra$ terraform apply

Terraform used the selected providers to generate the following execution plan. Resource actions
  + create

Terraform will perform the following actions:

  # aws_instance.ohio_instance will be created
  + resource "aws_instance" "ohio_instance" {
      + ami                                  = "ami-0cb91c7de36eed2cb"
      + arn                                  = (known after apply)
      + associate_public_ip_address          = (known after apply)
      + availability_zone                    = (known after apply)
      + cpu_core_count                       = (known after apply)
      + cpu_threads_per_core                 = (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)
      + 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                             = (known after apply)
      + monitoring                           = (known after apply)
      + outpost_arn                          = (known after apply)
      + password_data                        = (known after apply)
      + 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)
```

```
      + private_ip                          = (known after apply)
      + public_dns                          = (known after apply)
      + public_ip                           = (known after apply)
      + 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" = "hello-virginia"
        }
      + tags_all                            = {
          + "Name" = "hello-virginia"
        }
      + tenancy                             = (known after apply)
      + user_data                           = (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.

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
```

```
      + "Name" = "hello-virginia"
    }
  + tenancy                                = (known after apply)
  + user_data                              = (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.

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.virginia_instance: Creating...
aws_instance.ohio_instance: Creating...
aws_instance.virginia_instance: Still creating... [10s elapsed]
aws_instance.ohio_instance: Still creating... [10s elapsed]
aws_instance.virginia_instance: Creation complete after 18s [id=i-04152cff77ede2c4e]
aws_instance.ohio_instance: Creation complete after 17s [id=i-0aae452f969827f8b]

Apply complete! Resources: 2 added, 0 changed, 0 destroyed.
user@user:~/terra$
```






```
user@user:~/terra$ terraform destroy
aws_instance.ohio_instance: Refreshing state... [id=i-0aae452f969827f8b]
aws_instance.virginia_instance: Refreshing state... [id=i-04152cff77ede2c4e]

Terraform used the selected providers to generate the following execution plan. Resou
  - destroy

Terraform will perform the following actions:

  # aws_instance.ohio_instance will be destroyed
  - resource "aws_instance" "ohio_instance" {
      - ami                                  = "ami-0cb91c7de36eed2cb" -> null
      - arn                                  = "arn:aws:ec2:us-east-2:851725170629:ir
      - associate_public_ip_address          = true -> null
      - availability_zone                    = "us-east-2a" -> null
      - cpu_core_count                       = 1 -> null
      - cpu_threads_per_core                 = 1 -> null
      - disable_api_stop                     = false -> null
      - disable_api_termination              = false -> null
      - ebs_optimized                        = false -> null
      - get_password_data                    = false -> null
      - hibernation                          = false -> null
      - id                                   = "i-0aae452f969827f8b" -> null
      - instance_initiated_shutdown_behavior = "stop" -> null
      - instance_state                       = "running" -> null
      - instance_type                        = "t2.micro" -> null
      - ipv6_address_count                   = 0 -> null
      - ipv6_addresses                       = [] -> null
      - monitoring                           = false -> null
      - placement_partition_number           = 0 -> null
      - primary_network_interface_id         = "eni-0d40dc8b79d947b81" -> null
      - private_dns                          = "ip-172-31-4-76.us-east-2.compute.inte
      - private_ip                           = "172.31.4.76" -> null
      - public_dns                           = "ec2-3-142-119-9.us-east-2.compute.ama
      - public_ip                            = "3.142.119.9" -> null
      - secondary_private_ips                = [] -> null
      - security_groups                      = [
          - "default",
        ] -> null
      - source_dest_check                    = true -> null
```


user@user: ~/terra
}
- private_dns_name_options {
- enable_resource_name_dns_a_record = false -> null
- enable_resource_name_dns_aaaa_record = false -> null
- hostname_type = "ip-name" -> null
}
- root_block_device {
- delete_on_termination = true -> null
- device_name = "/dev/sda1" -> null
- encrypted = false -> null
- iops = 3000 -> null
- tags = {} -> null
- tags_all = {} -> null
- throughput = 125 -> null
- volume_id = "vol-08779dc92e9fb79c2" -> null
- volume_size = 8 -> null
- volume_type = "gp3" -> null
# (1 unchanged attribute hidden)
}
}
Plan: 0 to add, 0 to change, 2 to destroy.
Do you really want to destroy all resources?
Terraform will destroy all your managed infrastructure, as shown above.
There is no undo. Only 'yes' will be accepted to confirm.
Enter a value: yes
aws_instance.ohio_instance: Destroying... [id=i-0aae452f969827f8b]
aws_instance.virginia_instance: Destroying... [id=i-04152cff77ede2c4e]
aws_instance.ohio_instance: Still destroying... [id=i-0aae452f969827f8b, 10s elapsed]
aws_instance.virginia_instance: Still destroying... [id=i-04152cff77ede2c4e, 10s elapsed]
aws_instance.ohio_instance: Still destroying... [id=i-0aae452f969827f8b, 20s elapsed]
aws_instance.virginia_instance: Still destroying... [id=i-04152cff77ede2c4e, 20s elapsed]
aws_instance.ohio_instance: Still destroying... [id=i-0aae452f969827f8b, 30s elapsed]
aws_instance.virginia_instance: Still destroying... [id=i-04152cff77ede2c4e, 30s elapsed]
aws_instance.ohio_instance: Still destroying... [id=i-0aae452f969827f8b, 40s elapsed]
aws_instance.virginia_instance: Still destroying... [id=i-04152cff77ede2c4e, 40s elapsed]
aws_instance.ohio_instance: Still destroying... [id=i-0aae452f969827f8b, 50s elapsed]
aws_instance.virginia_instance: Still destroying... [id=i-04152cff77ede2c4e, 50s elapsed]
aws_instance.ohio_instance: Still destroying... [id=i-0aae452f969827f8b, 1m0s elapsed]
aws_instance.virginia_instance: Still destroying... [id=i-04152cff77ede2c4e, 1m0s elapsed]
aws_instance.virginia_instance: Destruction complete after 1m5s
aws_instance.ohio_instance: Still destroying... [id=i-0aae452f969827f8b, 1m10s elapsed]
aws_instance.ohio_instance: Destruction complete after 1m15s
Destroy complete! Resources: 2 destroyed.
user@user:~/terra$