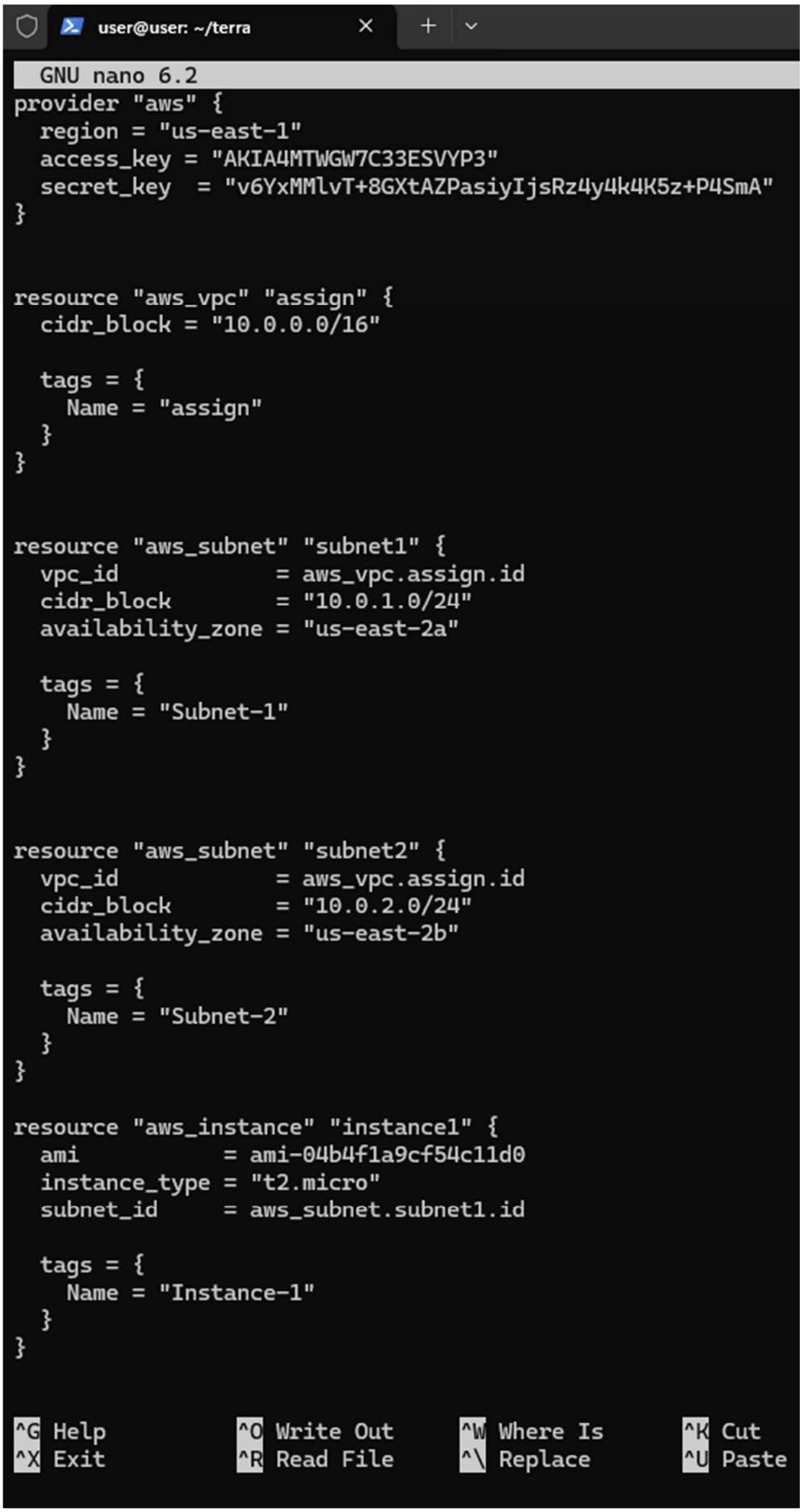
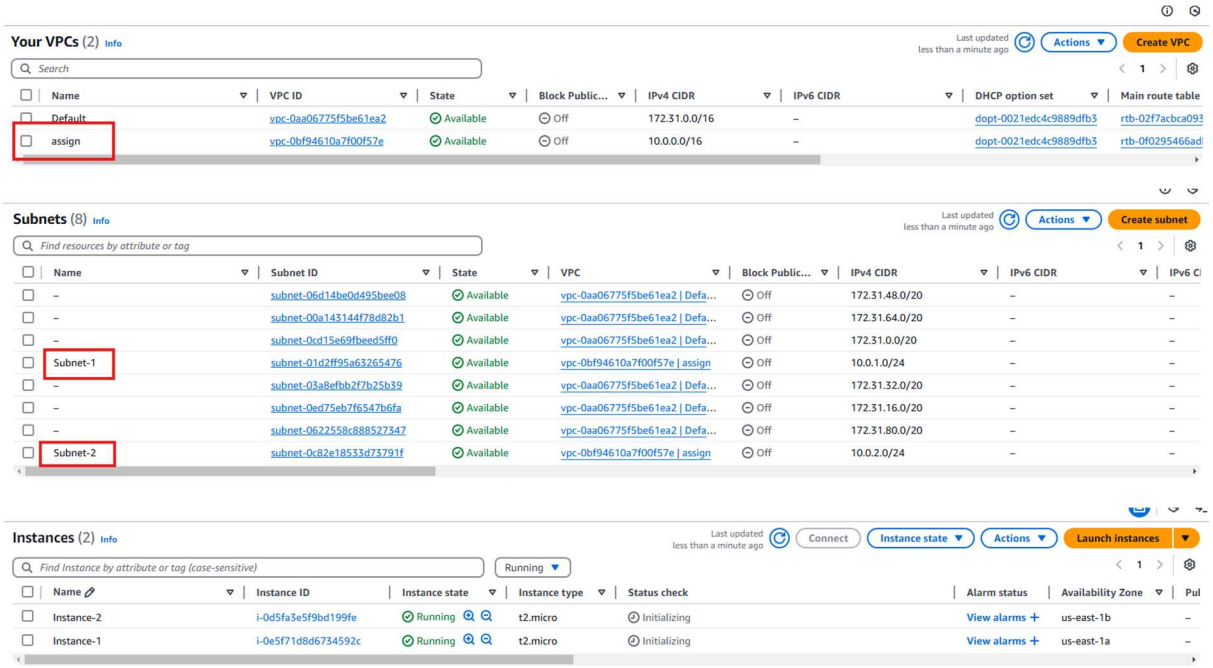
Terraform Assignment - 4


user@user: ~/terra
GNU nano 6.2
provider "aws" {
region = "us-east-1"
access_key = "AKIA4MTWGW7C33ESVYP3"
secret_key = "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"
}
resource "aws_vpc" "assign" {
cidr_block = "10.0.0.0/16"
tags = {
Name = "assign"
}
}
resource "aws_subnet" "subnet1" {
vpc_id = aws_vpc.assign.id
cidr_block = "10.0.1.0/24"
availability_zone = "us-east-2a"
tags = {
Name = "Subnet-1"
}
}
resource "aws_subnet" "subnet2" {
vpc_id = aws_vpc.assign.id
cidr_block = "10.0.2.0/24"
availability_zone = "us-east-2b"
tags = {
Name = "Subnet-2"
}
}
resource "aws_instance" "instance1" {
ami = ami-04b4f1a9cf54c11d0
instance_type = "t2.micro"
subnet_id = aws_subnet.subnet1.id
tags = {
Name = "Instance-1"
}
}
^G Help
^O Write Out
^W Where Is
^K Cut
^X Exit
^R Read File
^\ Replace
^U Paste

```
}


resource "aws_subnet" "subnet2" {
  vpc_id            = aws_vpc.assign.id
  cidr_block        = "10.0.2.0/24"
  availability_zone = "us-east-2b"

  tags = {
    Name = "Subnet-2"
  }
}

resource "aws_instance" "instance1" {
  ami           = ami-04b4f1a9cf54c11d0
  instance_type = "t2.micro"
  subnet_id     = aws_subnet.subnet1.id

  tags = {
    Name = "Instance-1"
  }
}

resource "aws_instance" "instance2" {
  ami           = ami-04b4f1a9cf54c11d0
  instance_type = "t2.micro"
  subnet_id     = aws_subnet.subnet2.id

  tags = {
    Name = "Instance-2"
  }
}



^G Help          ^O Write Out     ^W Where Is
^X Exit          ^R Read File     ^\ Replace
```

```
user@user:~/terra$ nano demo.tf
user@user:~/terra$ terraform apply

Terraform used the selected providers to generate the following executi
  + create

Terraform will perform the following actions:

  # aws_instance.instance1 will be created
  + resource "aws_instance" "instance1" {
      + ami                                  = "ami-04b4f1a9cf54c11d0"
      + 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)
      + 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)
```

```
  # aws_vpc.assign will be created
  + resource "aws_vpc" "assign" {
      + arn                                  = (known after apply)
      + cidr_block                           = "10.0.0.0/16"
      + default_network_acl_id               = (known after apply)
      + default_route_table_id               = (known after apply)
      + default_security_group_id            = (known after apply)
      + dhcp_options_id                      = (known after apply)
      + enable_dns_hostnames                 = (known after apply)
      + enable_dns_support                   = true
      + enable_network_address_usage_metrics = (known after apply)
      + id                                   = (known after apply)
      + instance_tenancy                     = "default"
      + ipv6_association_id                  = (known after apply)
      + ipv6_cidr_block                      = (known after apply)
      + ipv6_cidr_block_network_border_group = (known after apply)
      + main_route_table_id                  = (known after apply)
      + owner_id                             = (known after apply)
      + tags                                 = {
          + "Name" = "assign"
        }
      + tags_all                             = {
          + "Name" = "assign"
        }
    }

Plan: 5 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_vpc.assign: Creating...
aws_vpc.assign: Creation complete after 5s [id=vpc-0bf94610a7f00f57e]
aws_subnet.subnet1: Creating...
aws_subnet.subnet2: Creating...
aws_subnet.subnet1: Creation complete after 2s [id=subnet-01d2ff95a63265476]
aws_instance.instance1: Creating...
aws_subnet.subnet2: Creation complete after 2s [id=subnet-0c82e18533d73791f]
aws_instance.instance2: Creating...
aws_instance.instance1: Still creating... [10s elapsed]
aws_instance.instance2: Still creating... [10s elapsed]
aws_instance.instance1: Creation complete after 16s [id=i-0e5f71d8d6734592c]
aws_instance.instance2: Creation complete after 15s [id=i-0d5fa3e5f9bd199fe]

Apply complete! Resources: 5 added, 0 changed, 0 destroyed.
user@user:~/terra$
```



Your VPCs (2) Info

Last updated less than a minute ago | Actions | Create VPC

Search

Name	VPC ID	State	Block Public...	IPv4 CIDR	IPv6 CIDR	DHCP option set	Main route table
Default	vpc-0aa06775f5be61ea2	Available	Off	172.31.0.0/16	–	dopt-0021edc4c9889dfb3	rtb-02f7acbca093
assign	vpc-0bf94610a7f00f57e	Available	Off	10.0.0.0/16	–	dopt-0021edc4c9889dfb3	rtb-0f0295466ad

Subnets (8) Info

Last updated less than a minute ago | Actions | Create subnet

Find resources by attribute or tag

Name	Subnet ID	State	VPC	Block Public...	IPv4 CIDR	IPv6 CIDR	IPv6 CI
–	subnet-06d14be0d495bee08	Available	vpc-0aa06775f5be61ea2 | Defa...	Off	172.31.48.0/20	–	–
–	subnet-00a143144f78d82b1	Available	vpc-0aa06775f5be61ea2 | Defa...	Off	172.31.64.0/20	–	–
–	subnet-0cd15e69fbeed5ff0	Available	vpc-0aa06775f5be61ea2 | Defa...	Off	172.31.0.0/20	–	–
Subnet-1	subnet-01d2ff95a63265476	Available	vpc-0bf94610a7f00f57e | assign	Off	10.0.1.0/24	–	–
–	subnet-03a8efbb2f7b25b39	Available	vpc-0aa06775f5be61ea2 | Defa...	Off	172.31.32.0/20	–	–
–	subnet-0ed75eb7f6547b6fa	Available	vpc-0aa06775f5be61ea2 | Defa...	Off	172.31.16.0/20	–	–
–	subnet-0622558c888527347	Available	vpc-0aa06775f5be61ea2 | Defa...	Off	172.31.80.0/20	–	–
Subnet-2	subnet-0c82e18533d73791f	Available	vpc-0bf94610a7f00f57e | assign	Off	10.0.2.0/24	–	–

Instances (2) Info

Last updated less than a minute ago | Connect | Instance state | Actions | Launch instances

Find Instance by attribute or tag (case-sensitive) | Running

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Pul
Instance-2	i-0d5fa3e5f9bd199fe	Running	t2.micro	Initializing	View alarms +	us-east-1b	–
Instance-1	i-0e5f71d8d6734592c	Running	t2.micro	Initializing	View alarms +	us-east-1a	–


user@user: ~/terra
- default_route_table_id = "rtb-0f0295466adb17f53" -> null
- default_security_group_id = "sg-00c7379a09983847b" -> null
- dhcp_options_id = "dopt-0021edc4c9889dfb3" -> null
- enable_dns_hostnames = false -> null
- enable_dns_support = true -> null
- enable_network_address_usage_metrics = false -> null
- id = "vpc-0bf94610a7f00f57e" -> null
- instance_tenancy = "default" -> null
- ipv6_netmask_length = 0 -> null
- main_route_table_id = "rtb-0f0295466adb17f53" -> null
- owner_id = "851725170629" -> null
- tags = {
- "Name" = "assign"
} -> null
- tags_all = {
- "Name" = "assign"
} -> null
# (4 unchanged attributes hidden)
}
Plan: 0 to add, 0 to change, 5 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.instance1: Destroying... [id=i-0e5f71d8d6734592c]
aws_instance.instance2: Destroying... [id=i-0d5fa3e5f9bd199fe]
aws_instance.instance1: Still destroying... [id=i-0e5f71d8d6734592c, 10s elapsed]
aws_instance.instance2: Still destroying... [id=i-0d5fa3e5f9bd199fe, 10s elapsed]
aws_instance.instance2: Still destroying... [id=i-0d5fa3e5f9bd199fe, 20s elapsed]
aws_instance.instance1: Still destroying... [id=i-0e5f71d8d6734592c, 20s elapsed]
aws_instance.instance1: Destruction complete after 23s
aws_subnet.subnet1: Destroying... [id=subnet-01d2ff95a63265476]
aws_subnet.subnet1: Destruction complete after 1s
aws_instance.instance2: Still destroying... [id=i-0d5fa3e5f9bd199fe, 30s elapsed]
aws_instance.instance2: Still destroying... [id=i-0d5fa3e5f9bd199fe, 40s elapsed]
aws_instance.instance2: Still destroying... [id=i-0d5fa3e5f9bd199fe, 50s elapsed]
aws_instance.instance2: Still destroying... [id=i-0d5fa3e5f9bd199fe, 1m0s elapsed]
aws_instance.instance2: Still destroying... [id=i-0d5fa3e5f9bd199fe, 1m10s elapsed]
aws_instance.instance2: Still destroying... [id=i-0d5fa3e5f9bd199fe, 1m20s elapsed]
aws_instance.instance2: Destruction complete after 1m25s
aws_subnet.subnet2: Destroying... [id=subnet-0c82e18533d73791f]
aws_subnet.subnet2: Destruction complete after 1s
aws_vpc.assign: Destroying... [id=vpc-0bf94610a7f00f57e]
aws_vpc.assign: Destruction complete after 1s
Destroy complete! Resources: 5 destroyed.
user@user:~/terra$