Terraform Task-2

Task Description:

Create 2 EC2 instances on 2 different regions and install nginx using terraform script.

Tech stacks need to be used:

- AWS EC2
- Terraform
- AWS CLI

SCREENSHORTS:

```
Terraform will perform the following actions:
  # aws_instance.us_east_1_instance will be created
+ resource "aws_instance" "us_east_1_instance" {
        ami
   MINGW64:/c/Users/tamil/ec2 	imes + 	imes
                                                = "subnet-04af54ac5a1754961"
      + subnet_id
        tags
+ "Name" = "Nginx-US-East-1"
        tags_all
+ "Name" = "Nginx-US-East-1"
                                                = {
        tenancy
                                                = (known after apply)
= "6f2324b98dbfe1ef7d25922cfa332f1f7738beda"
      + user_data
+ user_data_base64
                                                 = (known after apply)
       user_data_replace_on_change
vpc_security_group_ids
                                                 = false
                                                 = (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)
       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.
Note: You didn't use the -out option to save this plan, so Terraform can't guarantee to take exactly these actions if you run "terraform apply" now.
 terraform apply
Terraform used the selected providers to generate the following execution plan. Resource actions are indicated with the
following symbols:
+ create
Terraform will perform the following actions:
 # aws_instance.us_east_1_instance will be created
+ resource "aws_instance" "us_east_1_instance" {
```

```
# aws_instance.us_east_1_instance will be created
+ resource "aws_instance" "us_east_1_instance" {
                                                                                                                                                       "ami-0c02fb55956c7d316"
                  + ami
                                                                                                                                                    "ami-0c02fb5956c7d'
(known after apply)
                       associate_public_ip_address
availability_zone
                        cpu_core_count
                       cpu_core_count
cpu_threads_per_core
disable_api_stop
disable_api_termination
ebs_optimized
                       enable_primary_ipv6
get_password_data
host_id
                                                                                                                                                     (known after apply)
                                                                                                                                                      false
                                                                                                                                                     (known after apply)
(known after apply)
                       host_resource_group_arn iam_instance_profile
                                                                                                                                                     (known after apply)
(known after apply)
(known after apply)
(known after apply)
                        id
                       instance_initiated_shutdown_behavior =
instance_lifecycle =
instance_state =
instance_type =
ipv6_address_count =
ipv6_addresses =
                                                                                                                                                     (known after apply)
"t2.micro"
                                                                                                                                                     (known after apply)
(known after apply)
                                                                                                                                                     "terra-key"
(known after apply)
                       key_name
monitoring
                       outpost_arn
password_data
                       placement_group
placement_partition_number
                   + 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.us_east_1_instance: Creating...
aws_instance.us_east_2_instance: Creating...
aws_instance.us_east_2_instance: Creating...
aws_instance.us_east_1_instance: Still creating... [00m10s elapsed]
aws_instance.us_east_2_instance: Still creating... [00m10s elapsed]
aws_instance.us_east_1_instance: Creation complete after 16s [id=i-025e048a47ab80587]
aws_instance.us_east_2_instance: Creation complete after 16s [id=i-034c6ea28ccf41f93]
                                                                                                                                                                                                                                                                                     aws, | III Q Search
                                                                                                                                                                                                                                                                                                                                                                          EC2 > Instances
                                                                                                                                                                                                         Last updated C Connect Instance state ▼ Actions ▼ Launch instances ▼
                                              <
                                                                 Instances (1/1) Info
    Dashboard
                                                                  Q Find Instance by attribute or tag (case-sensitive)
                                                                                                                                                                                                                                          All states ▼
                                                                                                                                                                                                                                                                                                                                                                   < 1 > ⊗
                                                                   | Instance | Instance
    EC2 Global View [2
                                                                                                                                                                                                                                                                                             Alarm status | Availability Zone ▼ | Public IPs
    Events
                                                                                                                                                                                                                                                          Ø 2/2 checks passec View alarms + us-east-2a
 ▼ Instances
     Instance Types
    Launch Templates
                                                                 i-034c6ea28ccf41f93 (Nginx-US-East-2)
                                                                                                                                                                                                                                                                                                                                                                            ® ×
     Savings Plans

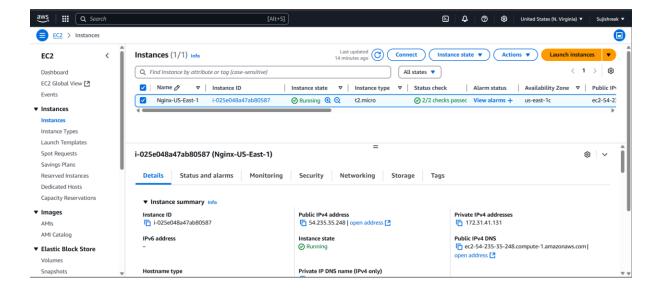
        Details
        Status and alarms
        Monitoring
        Security
        Networking
        Storage
        Tags

                                                                        ▼ Instance summary Info
                                                                                                                                                                               Public IPv4 address
                                                                                                                                                                                                                                                                                       Private IPv4 addresses
                                                                        i-034c6ea28ccf41f93
                                                                                                                                                                               3.138.35.88 | open address [2]
                                                                                                                                                                                                                                                                                       T 172.31.6.57
    AMI Catalog
                                                                                                                                                                                                                                                                                       c2-3-138-35-88.us-east-2.compute.amazonaws.com
▼ Elastic Block Store
                                                                                                                                                                                                                                                                                       open address [2]
```

Private IP DNS name (IPv4 only)

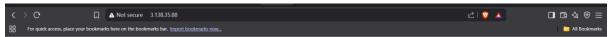
Volumes Snapshots

Hostname type





Deployed in us-east-1



Deployed in us-east-2