**Terraform Task-2**

**Task Description:**

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

**Step 1 - Write terraform script to create 2 EC2 instances on 2 different regions and install nginx:**

provider "aws" {

alias = "us\_west\_1"

region = "us-west-1"

access\_key = "AKIAS6J7QTQJRY5NGYDK"

secret\_key = "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"

}

provider "aws" {

alias = "us\_west\_2"

region = "us-west-2"

access\_key = "AKIAS6J7QTQJRY5NGYDK"

secret\_key = "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"

}

# Resource in us-west-1

resource "aws\_instance" "instance\_us\_west\_1" {

provider = aws.us\_west\_1

ami = "ami-0cf4e1fcfd8494d5b"

instance\_type = "t2.micro"

tags = {

Name = "NginxInstanceUSWest1"

}

user\_data = <<-EOF

#!/bin/bash

sudo yum update -y

sudo yum install httpd -y

sudo systemctl start httpd

sudo systemctl enable httpd

EOF

}

# Resource in us-west-2

resource "aws\_instance" "instance\_us\_west\_2" {

provider = aws.us\_west\_2

ami = "ami-07c5ecd8498c59db5"

instance\_type = "t2.micro"

tags = {

Name = "NginxInstanceUSWest2"

}

user\_data = <<-EOF

#!/bin/bash

sudo yum update -y

sudo yum install httpd -y

sudo systemctl start http d

sudo systemctl enable httpd

EOF

}

output "instance\_us\_west\_1\_ip" {

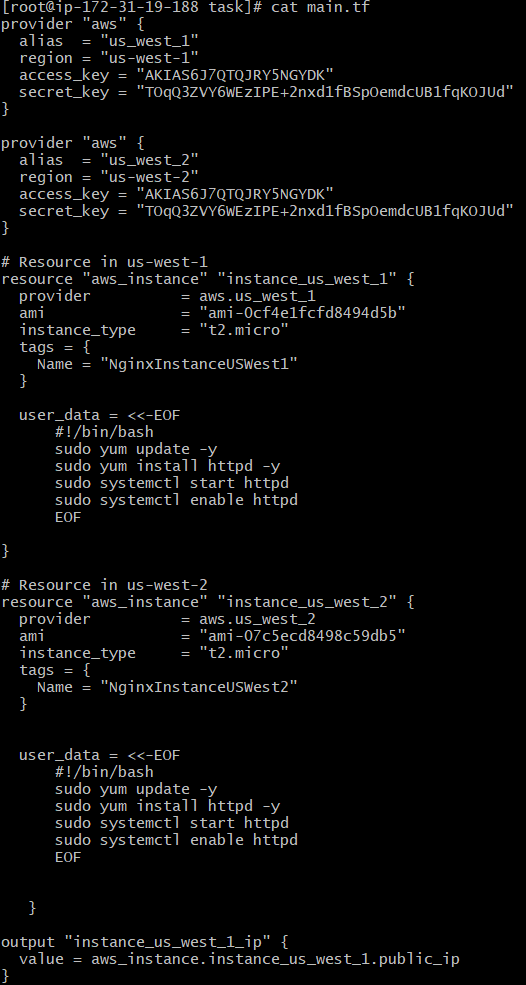
value = aws\_instance.instance\_us\_west\_1.public\_ip

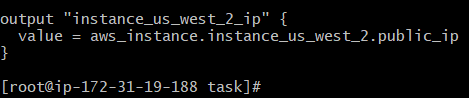
}

output "instance\_us\_west\_2\_ip" {

value = aws\_instance.instance\_us\_west\_2.public\_ip

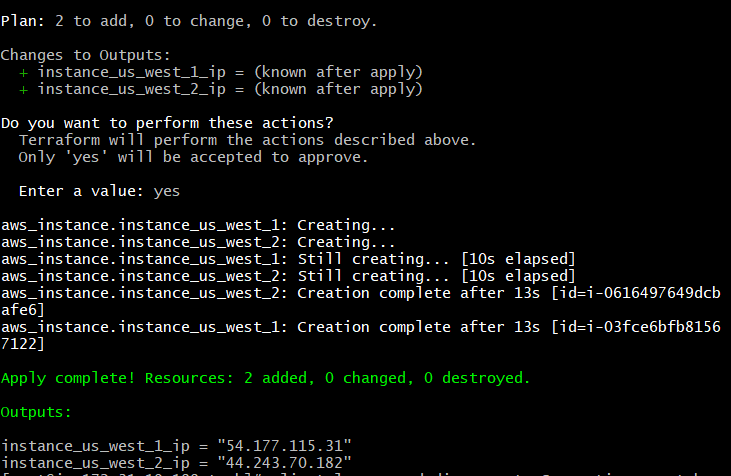
}

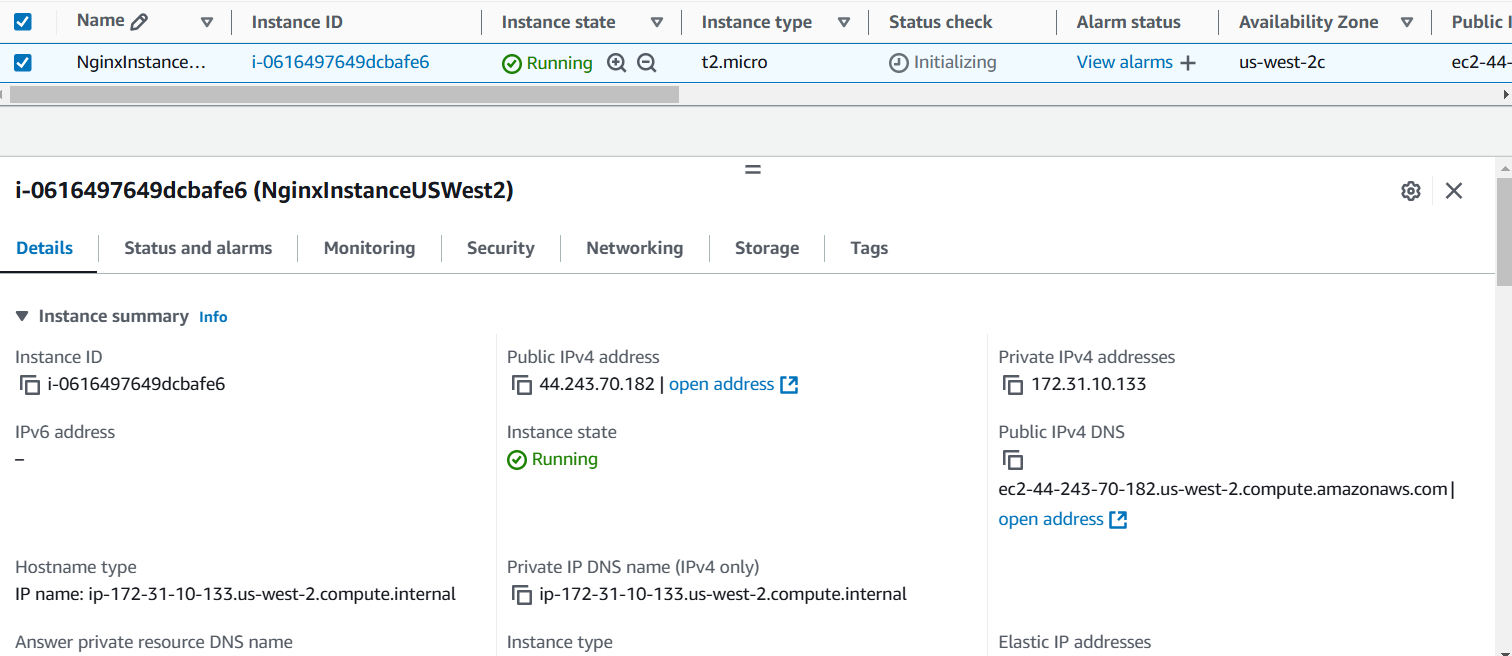


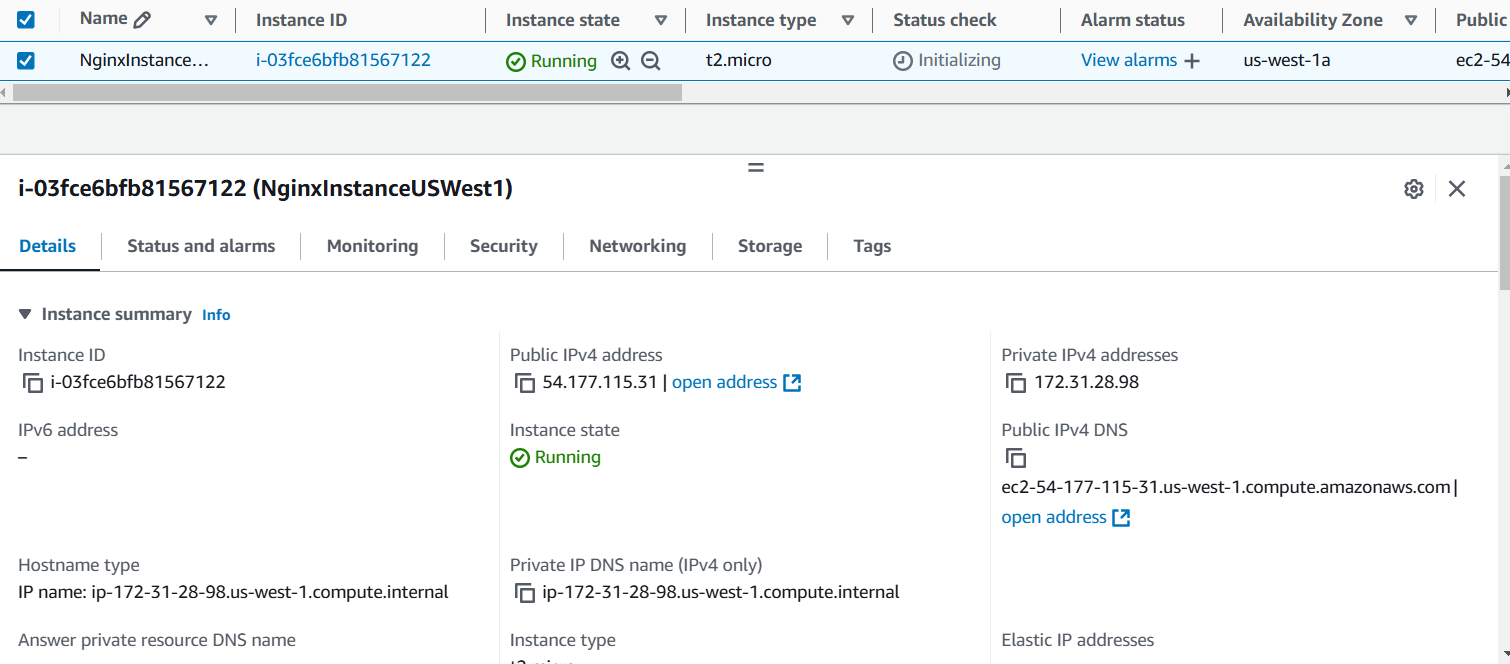


* To initialize terraform - **terraform init**
* To preview the changes – **terraform plan**
* To plan & apply - **terraform apply**

**Output:**







**Result:**

