```
provider "aws" {
   alias = "region1"
   region = "us-east-1"
provider "aws" {
   alias = "region2"
   region = "us-west-2"
resource "aws instance" "instance east 1" {
   provider = aws.region1
            = "ami-0427090fd1714168b"
   instance type = "t2.micro"
   tags = {
      Name = "instance-us-east-1"
   }
   user data = <<-EOF
"main.tf" 45L, 911B
  tags = {
    Name = "instance-us-east-1"
  user data = <<-EOF
       #!/bin/bash
       sudo yum update -y
       sudo yum install -y nginx
       sudo systemctl start nginx
       sudo systemctl enable nginx
resource "aws_instance" "instance_us_west_2" {
  provider = aws.region2
  ami = "ami-074be47313f84fa38"
  instance_type = "t2.micro"
```

tags = {

Name = "instance-us-west-2"

```
resource "aws_instance" "instance_us_west_2" {

provider = aws.region2

ami = "ami-074be47313f84fa38"

instance_type = "t2.micro"

tags = {

Name = "instance-us-west-2"
}

user_data = <<-EOF

#!/bin/bash

sudo apt-get update

sudo apt-get install -y nginx

sudo systemctl start nginx

sudo systemctl enable nginx

EOF
```

```
[ec2-user@ip-172-31-39-48 terraform-EC2-nginx] vi main.tf
[ec2-user@ip-172-31-39-48 terraform-EC2-nginx] terraform init
Initializing the backend...
Initializing provider plugins...
- Reusing previous version of hashicorp/aws from the dependency lock file
- Using previously-installed hashicorp/aws v5.60.0

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.
[ec2-user@ip-172-31-39-48 terraform-EC2-nginx] terraform validate
Success! The configuration is valid.

[ec2-user@ip-172-31-39-48 terraform-EC2-nginx] [specific configuration is valid.]
```

```
+ private_dns_name_options (known after apply)

+ root_block_device (known after apply)

}

Plan: 1 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.instance_east_1: Creating...
aws_instance.instance_east_1: Still creating... [10s elapsed]
aws_instance.instance_east_1: Still creating... [20s elapsed]
aws_instance.instance_east_1: Still creating... [30s elapsed]
aws_instance.instance_east_1: Creation complete after 35s [id=i-03537c254a6227fef]

Apply complete! Resources: 1 added, 0 changed, 0 destroyed.

[ec2-user@ip-172-31-39-48 terraform_EC2-nginx]$
```

