

Creating ec2 in different regions and installing nginx application-

```
resource "aws_instance" "ec2-us-east" {  
  provider = aws.us-east  
  ami = "ami-0953476d60561c955"  
  instance_type = "t2.micro"  
  subnet_id = aws_subnet.sub-2.id  
  key_name = "test-terra"  
  vpc_security_group_ids = [aws_security_group.sg-1.id]  
  associate_public_ip_address = true  
  tags = {  
    name = "demo-terra-instance"  
  }  
  user_data = <<-EOF  
  #!/bin/bash  
  sudo yum update -y  
  sudo amazon-linux-extras install nginx1 -y  
  sudo systemctl start nginx  
  sudo systemctl enable nginx  
  EOF  
}
```

```
vpc-archi.tf x main.tf  
.terraform > providers > registry.terraform.io > hashicorp > aws > 5.98.0 > windows_386 > vpc-archi.tf > resource "aws_security_group" "sg-1" > egress > [ ] cidr_blocks  
1 provider "aws" {  
2   alias = "us-east"  
3   region = "us-east-1"  
4 }  
5  
6  
7 provider "aws" {  
8   alias = "us-west"  
9   region = "us-west-1"  
10 }  
11 }
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
PS C:\Users\keert\Documents\terraform> terraform plan

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.instance-1 will be created
+ resource "aws_instance" "instance-1" {
+   ami           = "ami-0953476d60561c955"
+   arn           = (known after apply)
+   associate_public_ip_address = (known after apply)
+   availability_zone = (known after apply)
}
```

Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to nginx.org.
Commercial support is available at nginx.com.

Thank you for using nginx.