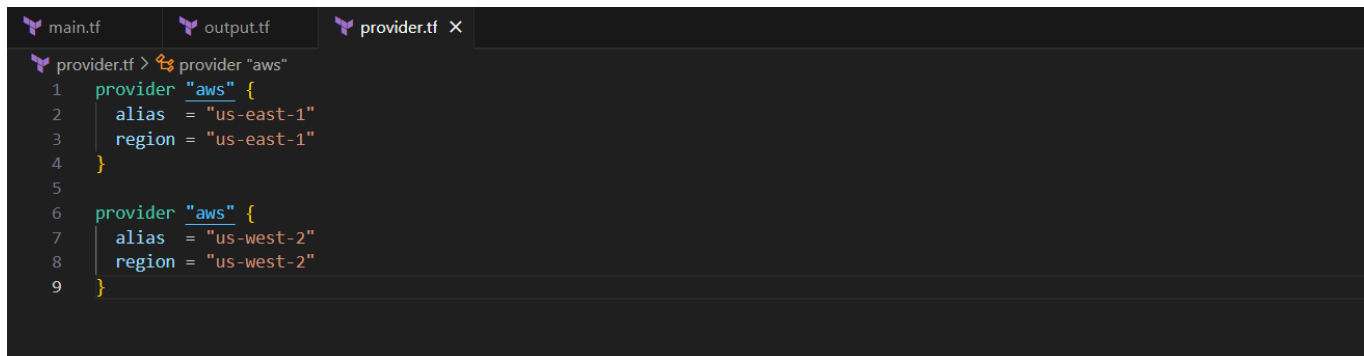


Terraform Task -2

Launch Linux EC2 instances in two regions using a single Terraform file.



```
main.tf  output.tf  provider.tf X
provider.tf > provider "aws"
1  provider "aws" {
2      alias   = "us-east-1"
3      region = "us-east-1"
4  }
5
6  provider "aws" {
7      alias   = "us-west-2"
8      region = "us-west-2"
9  }
```

creating the provider file with 2 region



```
4  # }
5
6  resource "aws_security_group" "allow_ssh_http" {
7      provider = aws.us-east-1
8      name     = "allow_ssh_http"
9
10     ingress {
11         from_port = 22
12         to_port   = 22
13         protocol  = "tcp"
14         cidr_blocks = ["0.0.0.0/0"]
15     }
16
17     ingress {
18         from_port = 80
19         to_port   = 80
20         protocol  = "tcp"
21         cidr_blocks = ["0.0.0.0/0"]
22     }
23
24     egress {
25         from_port = 0
26         to_port   = 0
27         protocol  = "-1"
28         cidr_blocks = ["0.0.0.0/0"]
29     }
30 }
31
32 resource "aws_security_group" "allow_ssh_http_west" {
33     provider = aws.us-west-2
34     name     = "allow_ssh_http_west"
35
36     ingress {
37         from_port = 22
38         to_port   = 22
39         protocol  = "tcp"
40         cidr_blocks = ["0.0.0.0/0"]
41     }
42 }
```

Create the instance with the security group

```

56 }
57
58 resource "aws_instance" "us_east_instance" {
59   provider      = aws.us-east-1
60   ami           = "ami-0427090fd1714168b" # Replace with a valid AMI ID in us-east-1
61   instance_type = "t2.micro"
62   key_name      = "temp"
63   security_groups = [aws_security_group.allow_ssh_http.name]
64
65   tags = {
66     Name = "US-East-Instance"
67   }
68
69   user_data = <<-EOF
70   |         | #!/bin/bash
71   |         | sudo apt-get update -y
72   |         | sudo apt-get install nginx -y
73   |         | EOF
74 }
75
76 resource "aws_instance" "us_west_instance" {
77   provider      = aws.us-west-2
78   ami           = "ami-074be47313f84fa38" # Replace with a valid AMI ID in us-west-2
79   instance_type = "t2.micro"
80   key_name      = "temp1"
81   security_groups = [aws_security_group.allow_ssh_http_west.name]
82
83   tags = {
84     Name = "US-West-Instance"
85   }
86
87   user_data = <<-EOF
88   |         | #!/bin/bash
89   |         | sudo apt-get update -y
90   |         | sudo apt-get install nginx -y
91   |         | EOF
92 }

```

Ln 93, Col 1 (2 selected) Spaces: 4 UTF-8 CRLF {} Terraform Go Live

Create the instance with the security group

```

main.tf  output.tf  provider.tf
output.tf > output "us_west_instance_public_ip"
1  output "us_east_instance_public_ip" {
2    value = aws_instance.us_east_instance.public_ip
3  }
4
5  output "us_west_instance_public_ip" {
6    value = aws_instance.us_west_instance.public_ip
7  }

```

output the IP

Instances (1/2) Info								
Find Instance by attribute or tag (case-sensitive)								
All states								
	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IP
<input checked="" type="checkbox"/>	US-West-Insta...	i-055245fa3e0ce2931	Running	t2.micro	Initializing	View alarms +	us-west-2b	ec2-34-
<input type="checkbox"/>	US-West-Insta...	i-04f86344ab788d127	Running	t2.micro	2/2 checks passed	View alarms +	us-west-2b	ec2-18-

CREATED INSTANCE

Instances (1) [Info](#)

Connect

Instance state

Actions

Launch instances

Find Instance by attribute or tag (case-sensitive)

All states

< 1 >

<div></div>	Name <div></div>	Instance ID	Instance state <div></div>	Instance type <div></div>	Status check	Alarm status	Availability Z...
<div></div>	US-East-Instance	i-0c645d063e46231f2	<div><div></div>Running <div></div></div>	t2.micro	<div><div></div>2/2 checks passed</div> View alarms <div></div>		us-east-1d

ANOTHER ZONE INSTANCE