

# Terraform Task-2

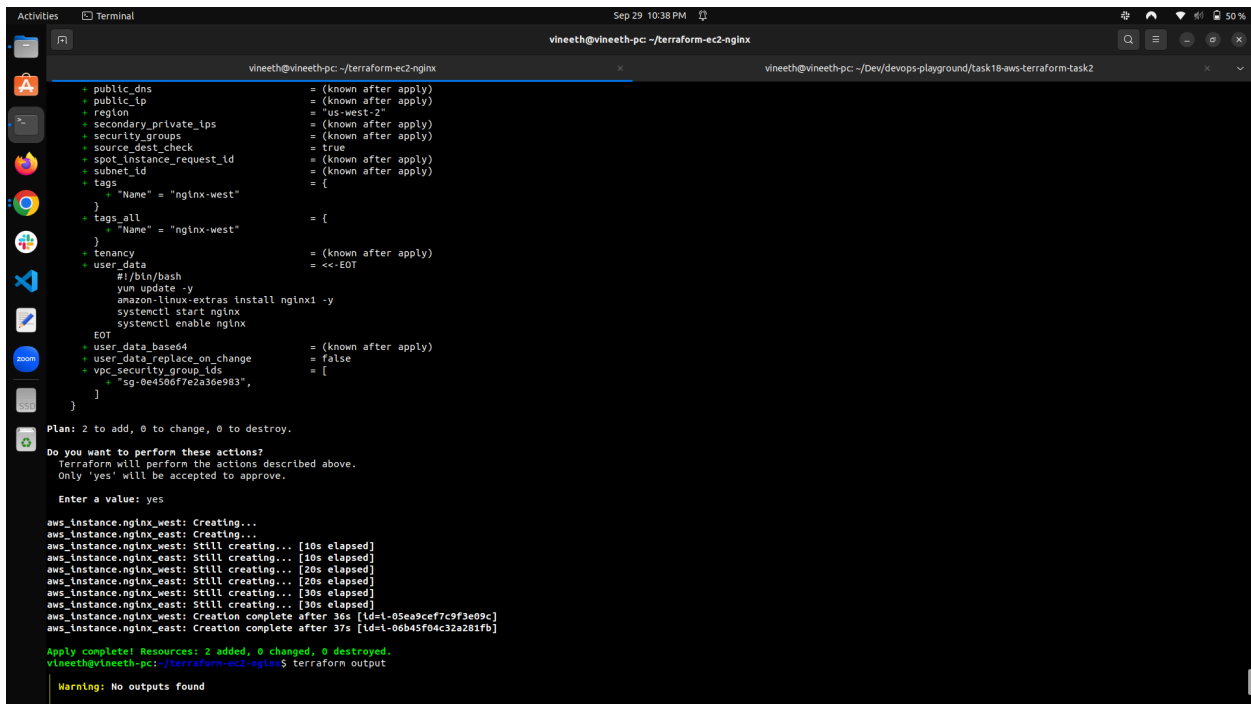
## Task Description:

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

## Techstacks needs to be used :

- AWS EC2
- Terraform
- AWS CLI

## 1) Terraform Apply:



```
vineeth@vineeth-pc: ~/terraform-ec2-nginx
+ public_dns             = (known after apply)
+ public_ip              = (known after apply)
+ region                 = "us-west-2"
+ secondary_private_ips  = (known after apply)
+ security_groups         = (known after apply)
+ source_dest_check       = true
+ spot_instance_request_id = (known after apply)
+ subnet_id              = (known after apply)
+ tags                   = {
+   "Name" = "nginx-west"
+ }
+ tags_all               = {
+   "Name" = "nginx-west"
+ }
+ tenancy                 = (known after apply)
+ user_data               = <<EOT
#!/bin/bash
yum update -y
amazon-linux-extras install nginx1 -y
systemctl start nginx
systemctl enable nginx
EOT
+ user_data_base64        = (known after apply)
+ user_data_replace_on_change = false
+ vpc_security_group_ids  = [
+   "sg-8e4506f7e2a36e983",
+ ]
}

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

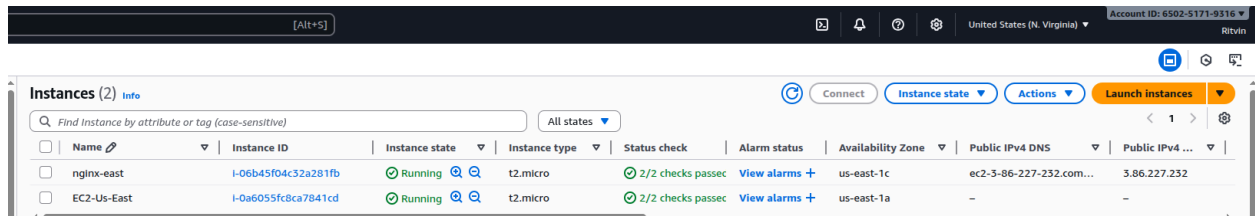
aws_instance.nginx_west: Creating...
aws_instance.nginx_east: Creating...
aws_instance.nginx_west: Still creating... [10s elapsed]
aws_instance.nginx_east: Still creating... [10s elapsed]
aws_instance.nginx_west: Still creating... [20s elapsed]
aws_instance.nginx_east: Still creating... [20s elapsed]
aws_instance.nginx_west: Still creating... [30s elapsed]
aws_instance.nginx_east: Still creating... [30s elapsed]
aws_instance.nginx_west: Creation complete after 36s [id=L-05ea9cef7c9f3e09c]
aws_instance.nginx_east: Creation complete after 37s [id=L-06b45f04c32a281fb]

Apply complete! Resources: 2 added, 0 changed, 0 destroyed.
vineeth@vineeth-pc:~/terraform-ec2-nginx$ terraform output

Warning: No outputs found
```

## 2)Ec2 instance in 2 regions:

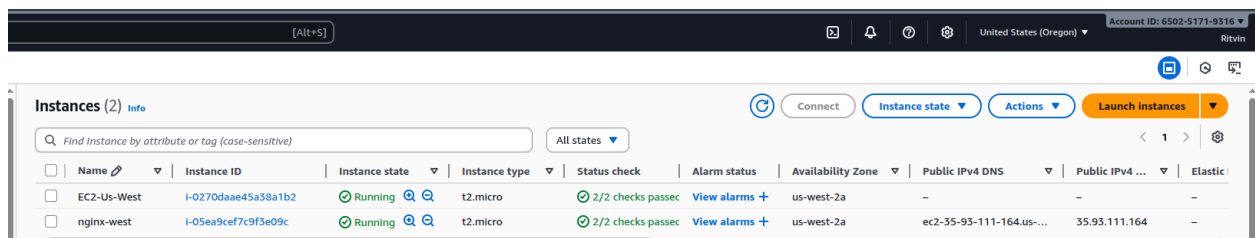
### Us-east-1



The screenshot shows the AWS Management Console for the us-east-1 region. The 'Instances (2)' page is displayed, showing a table of two EC2 instances. The first instance is named 'nginx-east' with ID 'i-06b45f04c32a281fb', running on a t2.micro instance type in the us-east-1c availability zone. The second instance is named 'EC2-Us-East' with ID 'i-0a6055fc8ca7841cd', also running on a t2.micro instance type in the us-east-1a availability zone. Both instances have a status of 'Running' and 2/2 checks passed.

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...
nginx-east	i-06b45f04c32a281fb	Running	t2.micro	2/2 checks passed	View alarms +	us-east-1c	ec2-3-86-227-232.com...	3.86.227.232
EC2-Us-East	i-0a6055fc8ca7841cd	Running	t2.micro	2/2 checks passed	View alarms +	us-east-1a	-	-

### Us-west-2



The screenshot shows the AWS Management Console for the us-west-2 region. The 'Instances (2)' page is displayed, showing a table of two EC2 instances. The first instance is named 'EC2-Us-West' with ID 'i-0270daae45a38a1b2', running on a t2.micro instance type in the us-west-2a availability zone. The second instance is named 'nginx-west' with ID 'i-05ea9cef7c9f3e09c', also running on a t2.micro instance type in the us-west-2a availability zone. Both instances have a status of 'Running' and 2/2 checks passed.

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic
EC2-Us-West	i-0270daae45a38a1b2	Running	t2.micro	2/2 checks passed	View alarms +	us-west-2a	-	-	-
nginx-west	i-05ea9cef7c9f3e09c	Running	t2.micro	2/2 checks passed	View alarms +	us-west-2a	ec2-35-93-111-164.us...	35.93.111.164	-

## 3) Nginx Verification:

