

## Terraform Task-2

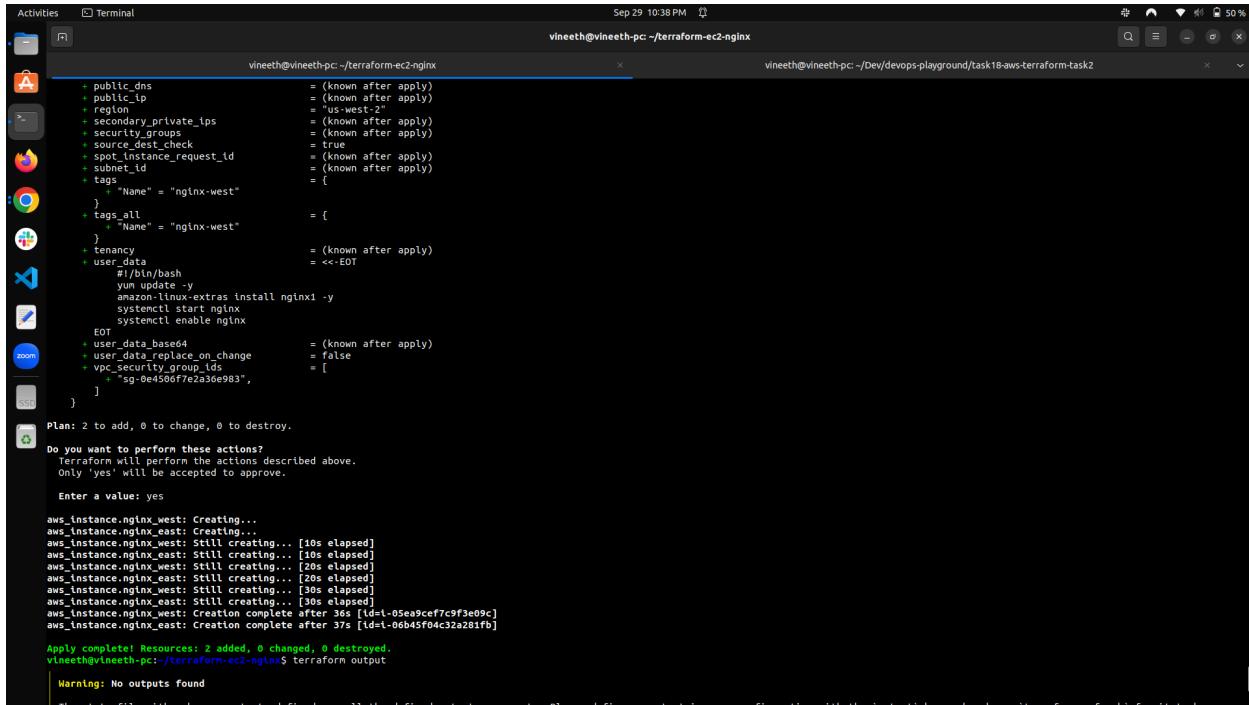
### Task Description:

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
Sep 29 10:38 PM
vineeth@vineeth-pc:~/Dev/devops-playground/task18-aws-terraform-task2

vineeth@vineeth-pc:~/terraform-ec2-nginx
+ public_dns
+ public_ip
+ region
+ secondary_private_ip
+ security_groups
+ spot_instance_check
+ spot_instance_request_id
+ subnet_id
+ tags
  + "Name" = "nginx-west"
+ tags_all
  + "Name" = "nginx-west"
+ tenancy
+ user_data
  #!/bin/bash
  yum update -y
  amazon-linux-extras install nginx1 -y
  systemctl start nginx
  systemctl enable nginx
EOT
+ user_data_base64
+ user_group_ids_on_change
+ vpc_security_group_ids
  + "sg-0e4506f7e2a3de983",
]

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=1-05ea9cef7c9f3e09c]
aws_instance.nginx_east: Creation complete after 37s [id=1-06b45f04c32a281fb]

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 CloudWatch Metrics Insights interface. At the top, it displays 'Instances (2) Info' and a search bar 'Find Instance by attribute or tag (case-sensitive)'. Below the search bar is a table header with columns: Name, Instance ID, Instance state, Instance type, Status check, Alarm status, Availability Zone, Public IPv4 DNS, and Public IPv4 ...'. There are two rows of data:

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 CloudWatch Metrics Insights interface. At the top, it displays 'Instances (2) Info' and a search bar 'Find Instance by attribute or tag (case-sensitive)'. Below the search bar is a table header with columns: Name, Instance ID, Instance state, Instance type, Status check, Alarm status, Availability Zone, Public IPv4 DNS, and Public IPv4 ...'. There are two rows of data:

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...
EC2-Us-West	i-0270daae45a38a1b2	Running	t2.micro	2/2 checks passed	View alarms +	us-west-2a	-	-
nginx-west	i-05ea9cef7cf93e09c	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:

The screenshot shows a web browser displaying the Nginx welcome page. The address bar shows 'Not secure 3.86.227.232'. The page content is:

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](http://nginx.org).  
Commercial support is available at [nginx.com](http://nginx.com).

Thank you for using nginx.

The screenshot shows a web browser displaying the Nginx welcome page. The address bar shows 'Not secure 35.93.111.164'. The page content is:

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](http://nginx.org).  
Commercial support is available at [nginx.com](http://nginx.com).

Thank you for using nginx.