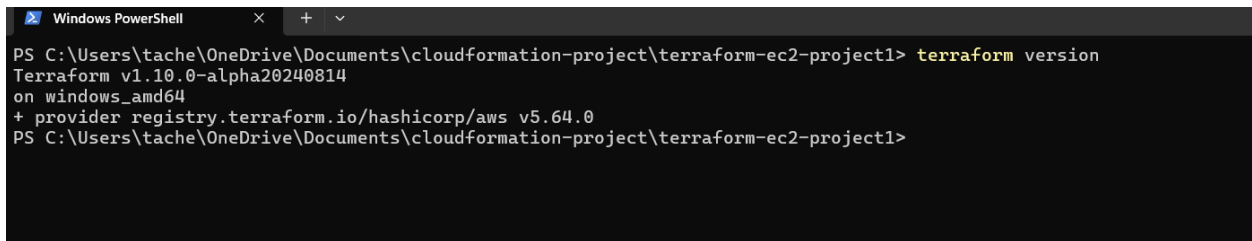


Terraform mini-project1:

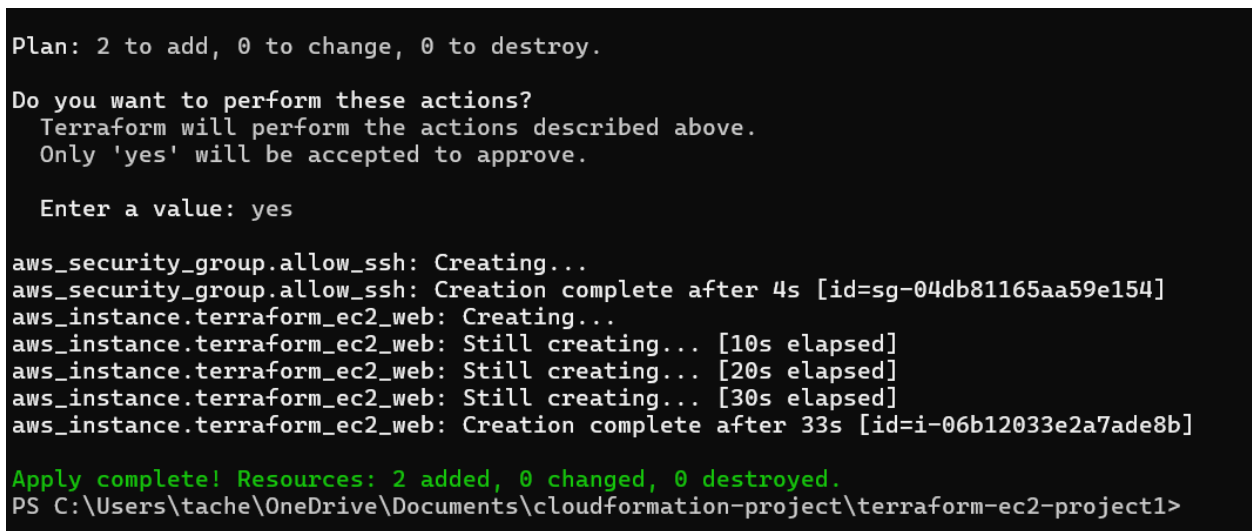
Launch Amazon Linux2 EC2 in default VPC in us-west-2

1- Screenshot showing terraform installed



```
Windows PowerShell
PS C:\Users\tache\OneDrive\Documents\cloudformation-project\terraform-ec2-project1> terraform version
Terraform v1.10.0-alpha20240814
on windows_amd64
+ provider registry.terraform.io/hashicorp/aws v5.64.0
PS C:\Users\tache\OneDrive\Documents\cloudformation-project\terraform-ec2-project1>
```

2- Terraform apply result



```
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_security_group.allow_ssh: Creating...
aws_security_group.allow_ssh: Creation complete after 4s [id=sg-04db81165aa59e154]
aws_instance.terraform_ec2_web: Creating...
aws_instance.terraform_ec2_web: Still creating... [10s elapsed]
aws_instance.terraform_ec2_web: Still creating... [20s elapsed]
aws_instance.terraform_ec2_web: Still creating... [30s elapsed]
aws_instance.terraform_ec2_web: Creation complete after 33s [id=i-06b12033e2a7ade8b]

Apply complete! Resources: 2 added, 0 changed, 0 destroyed.
PS C:\Users\tache\OneDrive\Documents\cloudformation-project\terraform-ec2-project1>
```

3- Screenshot showing EC2 launched in default VPC console using CLI windows

Instances (1/1) [Info](#)

Last updated
1 minute ago

Connect

Instance state ▼

Actions ▼

Launch instances ▼

Find Instance by attribute or tag (case-sensitive)

All states ▼

< 1 >

✓

Name

▼

Instance ID

Instance state

▼

Instance type

▼

Status check

Alarm status

Availability Zone

▼

Public

✓

Terraform_ec2_web

i-06b12033e2a7ade8b

Running

t2.micro

2/2 checks passed

[View alarms](#)

+

us-west-2a

ec2-35

i-06b12033e2a7ade8b (Terraform_ec2_web)

⚙️

✕

Details

Status and alarms

Monitoring

Security

Networking

Storage

Tags

▼ Instance summary [Info](#)

Instance ID

i-06b12033e2a7ade8b (Terraform_ec2_web)

IPv6 address

—

Hostname type

IP name: ip-172-31-19-65.us-west-2.compute.internal

Answer private resource DNS name

—

Public IPv4 address

35.92.54.255 | [open address](#)

Instance state

Running

Private IP DNS name (IPv4 only)

ip-172-31-19-65.us-west-2.compute.internal

Instance type

t2.micro

Private IPv4 addresses

172.31.19.65

Public IPv4 DNS

ec2-35-92-54-255.us-west-2.compute.amazonaws.com | [open address](#)

Elastic IP addresses

—

i-06b12033e2a7ade8b (Terraform_ec2_web)

⚙️

✕

Auto-assigned IP address

35.92.54.255 [Public IP]

IAM Role

—

IMDSv2

Required

VPC ID

vpc-0c17625ce5df681fb

Subnet ID

subnet-0947f0820c5db49b0

Instance ARN

arn:aws:ec2:us-west-2:654654411587:instance/i-06b12033e2a7ade8b

AWS Compute Optimizer finding

[Opt-in to AWS Compute Optimizer for recommendations.](#) | [Learn more](#)

Auto Scaling Group name

—

Platform

Amazon Linux (Inferred)

AMI ID

ami-02d3770deb1c746ec

Monitoring

disabled