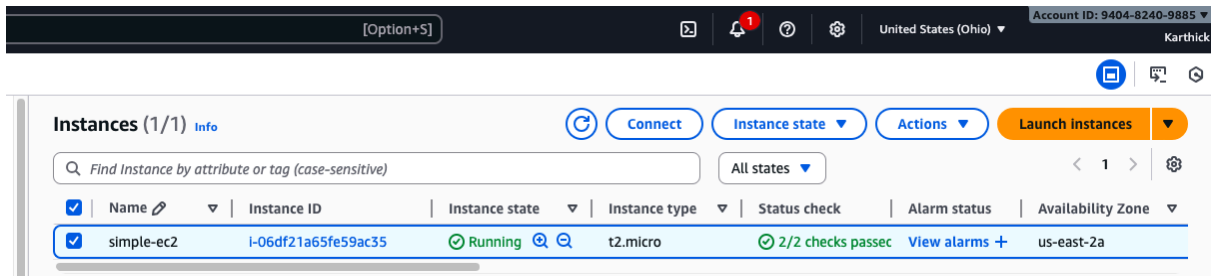


Task-1:

1. Create an EC2 service in the default subnet in the Ohio region



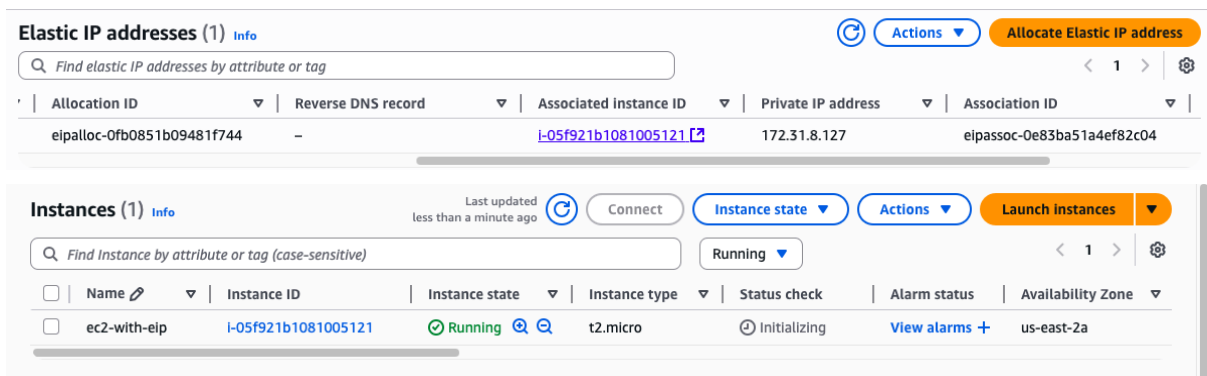
Task-2:

2. Destroy the previous deployment

```
aws_instance.simple_ec2: Destroying... [id=i-06df21a65fe59ac35]
aws_instance.simple_ec2: Still destroying... [id=i-06df21a65fe59ac35, 00m10s elapsed]
aws_instance.simple_ec2: Still destroying... [id=i-06df21a65fe59ac35, 00m20s elapsed]
aws_instance.simple_ec2: Still destroying... [id=i-06df21a65fe59ac35, 00m30s elapsed]
aws_instance.simple_ec2: Destruction complete after 32s

Destroy complete! Resources: 1 destroyed.
root@ip-172-31-15-26:~/terraform script#
```

3. Create a new EC2 instance with an Elastic IP



Task-3:

1. Destroy the previous deployment

```
aws_eip.web_eip: Destroying... [id=eipalloc-0fb0851b09481f744]
aws_eip.web_eip: Destruction complete after 3s
aws_instance.web: Destroying... [id=i-05f921b1081005121]
aws_instance.web: Still destroying... [id=i-05f921b1081005121, 00m10s elapsed]
aws_instance.web: Still destroying... [id=i-05f921b1081005121, 00m20s elapsed]
aws_instance.web: Still destroying... [id=i-05f921b1081005121, 00m30s elapsed]
aws_instance.web: Still destroying... [id=i-05f921b1081005121, 00m40s elapsed]
aws_instance.web: Still destroying... [id=i-05f921b1081005121, 00m50s elapsed]
aws_instance.web: Destruction complete after 51s
```

2. Create 2 EC2 instances in Ohio and N.Virginia respectively

3. Rename Ohio's instance to 'hello-ohio' and Virginia's instance to 'hello-virginia'

[Option+S] United States (Ohio) Account ID: 9404-8240-9885 Karthick

Instances (1) Info Last updated less than a minute ago Connect Instance state Actions Launch Instances

Running < 1 > ⚙️

<input type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
<input type="checkbox"/>	hello-ohio	i-06b80cfb5d4e4fd12	Running	t2.micro	Initializing	View alarms +	us-east-2a

Instances (1) Info Connect Instance state Actions Launch Instances

All states < 1 > ⚙️

<input type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
<input type="checkbox"/>	hello-virginia	i-044e3008d3f3b1c4d	Running	t2.micro	Initializing	View alarms +	us-east-1b

Task-4:

1. Destroy the previous deployments

```
Plan: 0 to add, 0 to change, 2 to destroy.
aws_instance.ohio_ec2: Destroying... [id=i-06b80cfb5d4e4fd12]
aws_instance.virginia_ec2: Destroying... [id=i-044e3008d3f3b1c4d]
aws_instance.ohio_ec2: Still destroying... [id=i-06b80cfb5d4e4fd12, 00m10s elapsed]
aws_instance.virginia_ec2: Still destroying... [id=i-044e3008d3f3b1c4d, 00m10s elapsed]
aws_instance.ohio_ec2: Still destroying... [id=i-06b80cfb5d4e4fd12, 00m20s elapsed]
aws_instance.virginia_ec2: Still destroying... [id=i-044e3008d3f3b1c4d, 00m20s elapsed]
aws_instance.ohio_ec2: Still destroying... [id=i-06b80cfb5d4e4fd12, 00m30s elapsed]
aws_instance.virginia_ec2: Still destroying... [id=i-044e3008d3f3b1c4d, 00m30s elapsed]
aws_instance.virginia_ec2: Destruction complete after 31s
aws_instance.ohio_ec2: Destruction complete after 31s

Destroy complete! Resources: 2 destroyed.
root@ip-172-31-15-26:~/terraform script#
```

2. Create a VPC with the required components using Terraform

3. Deploy an EC2 instance inside the VPC

Instances (1) Info Last updated less than a minute ago Connect Instance state Actions Launch Instances

Running < 1 > ⚙️

<input type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
<input type="checkbox"/>	simple-ec2	i-0ff0c743fb1020876	Running	t2.micro	Initializing	View alarms +	us-east-2c

VPCs | VPC encryption controls - new

Your VPCs (2) Info Last updated less than a minute ago Actions Create VPC

<input type="checkbox"/>	Name	VPC ID	State	Encryption c...	Encryption control ...	Block Publi
<input type="checkbox"/>	simple-vpc	vpc-0687bc90634c9cad6	Available	-	-	Off
<input type="checkbox"/>	-	vpc-04c71b30a33654126	Available	-	-	Off

Task-5:

1. Destroy the previous deployments

```
}  
  
Plan: 0 to add, 0 to change, 7 to destroy.  
aws_route_table_association.public_assoc: Destroying... [id=rtbassoc-049f626d8696a0a73]  
aws_instance.my_ec2: Destroying... [id=i-0ff0c743fb1020876]  
aws_route_table_association.public_assoc: Destruction complete after 1s  
aws_route_table.public_rt: Destroying... [id=rtb-0729b3aaalebf9d89a]  
aws_route_table.public_rt: Destruction complete after 2s  
aws_internet_gateway.igw: Destroying... [id=igw-0cb4b86ea81dd3ab6]  
aws_instance.my_ec2: Still destroying... [id=i-0ff0c743fb1020876, 00m10s elapsed]  
aws_internet_gateway.igw: Still destroying... [id=igw-0cb4b86ea81dd3ab6, 00m10s elapsed]  
aws_instance.my_ec2: Still destroying... [id=i-0ff0c743fb1020876, 00m20s elapsed]  
aws_internet_gateway.igw: Still destroying... [id=igw-0cb4b86ea81dd3ab6, 00m20s elapsed]  
aws_instance.my_ec2: Still destroying... [id=i-0ff0c743fb1020876, 00m30s elapsed]  
aws_internet_gateway.igw: Still destroying... [id=igw-0cb4b86ea81dd3ab6, 00m30s elapsed]  
aws_instance.my_ec2: Destruction complete after 33s  
aws_subnet.public: Destroying... [id=subnet-09a06b2abf3a27a05]  
aws_security_group.ec2_sg: Destroying... [id=sg-0fe0ffa641f94ef3d]  
aws_subnet.public: Destruction complete after 1s  
aws_internet_gateway.igw: Destruction complete after 31s  
aws_security_group.ec2_sg: Destruction complete after 2s  
aws_vpc.main: Destroying... [id=vpc-0687bc90634c9cad6]  
aws_vpc.main: Destruction complete after 1s
```

2. Create a script to install Apache2

```
-rw-r--r-- 1 root root 14690 Nov 29 10:57 terraform.tfstate  
root@ip-172-31-10-194:~/terrscript# cat apache.sh  
#!/bin/bash  
apt-get update -y  
apt-get install -y apache2  
systemctl enable apache2  
systemctl start apache2  
  
root@ip-172-31-10-194:~/terrscript# pwd  
/root/terrscript  
root@ip-172-31-10-194:~/terrscript#
```

i-0edb62e079e60f7fb

PublicIPs: 18.60.226.72 PrivateIPs: 172.31.10.194

3. Run this script on a newly created EC2 instance

4. Print the IP address of the instance in a file on the local once deployed

```
to their respective packages, not to the web server itself.
```

```
</p>
</div>

</div>
</div>
<div class="validator">
</div>
</body>
</html>
root@ip-172-31-10-194:~/terrscrip# ls -lrt
total 32
-rw-r--r-- 1 root root 1304 Nov 29 10:53 main.tf
-rw-r--r-- 1 root root 43 Nov 29 10:53 provider.tf
-rw-r--r-- 1 root root 107 Nov 29 10:55 apache.sh
-rwxr-xr-x 1 root root 12 Nov 29 10:57 ec2-ip.txt
-rw-r--r-- 1 root root 14690 Nov 29 10:57 terraform.tfstate
root@ip-172-31-10-194:~/terrscrip#
```

i-0edb62e079e60f7fb

PublicIPs: 18.60.226.72 PrivateIPs: 172.31.10.194

draw.io DeepSeek - Into th... Google Docs Walmart vs Tata C... Home | Microsoft... Free Resume Tem... Play with Docker Play with Kubernetes

[Option+S] United States (Ohio) Account ID: 9404-8240-9885 Karthick

Instances (1/1) Info Last updated 12 minutes ago [Connect](#) [Instance state](#) [Actions](#) [Launch Instances](#)

Find Instance by attribute or tag (case-sensitive) All states < 1 >

<input checked="" type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
<input checked="" type="checkbox"/>	Apache-Server	i-0c0baec7b89ceb010	Running	t2.micro	Initializing	View alarms +	us-east-2a

```
ubuntu@ip-172-31-4-12:~$ apache --version
Command 'apache' not found, did you mean:
  _command 'apache2' from deb apache2-bin (2.4.52-1ubuntu4.16)
Try: sudo apt install <deb name>
ubuntu@ip-172-31-4-12:~$ apache2 --version
[Sat Nov 29 10:59:11.031254 2025] [core:warn] [pid 2748] AH00111: Config variable ${APACHE_RUN_DIR} is not defined
apache2: Syntax error on line 80 of /etc/apache2/apache2.conf: DefaultRuntimeDir must be a valid directory, absolute or relative to ServerRoot
```