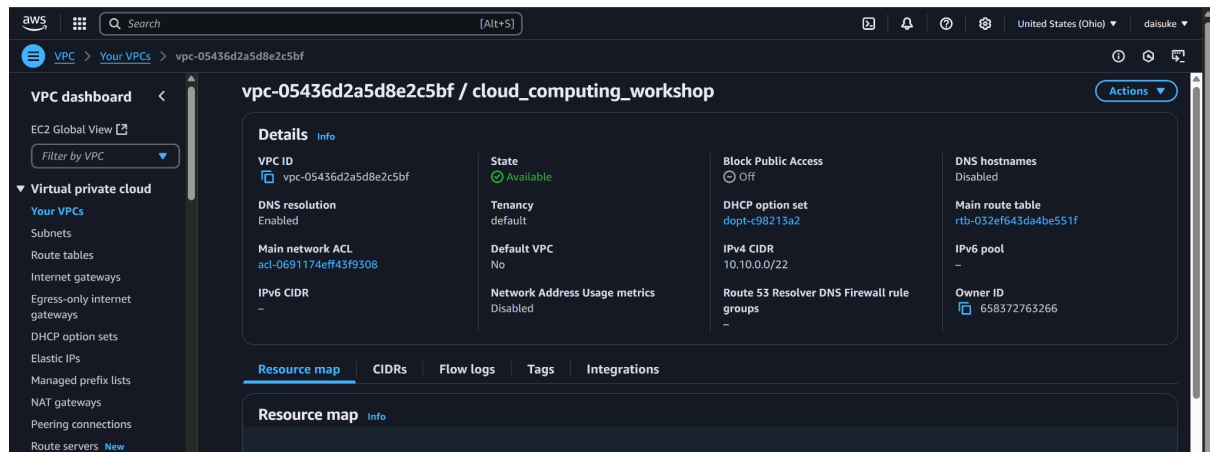
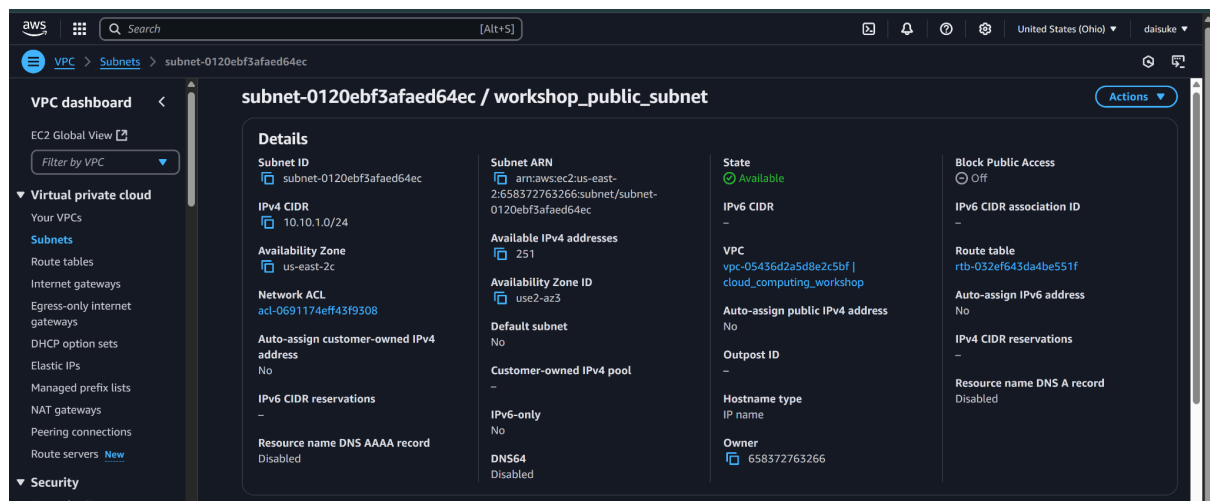


Task 1

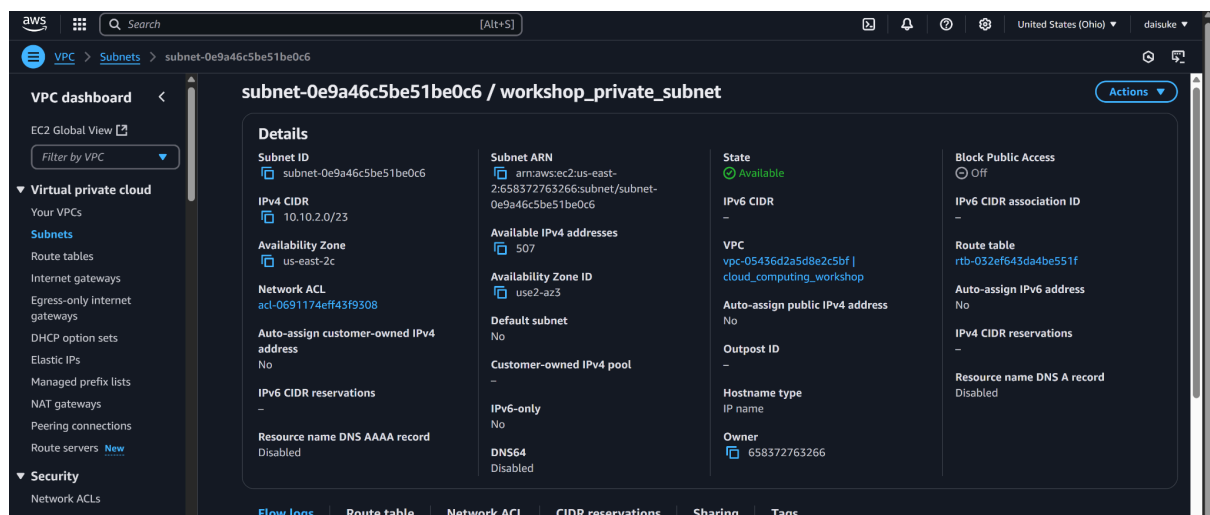
- VPC Created



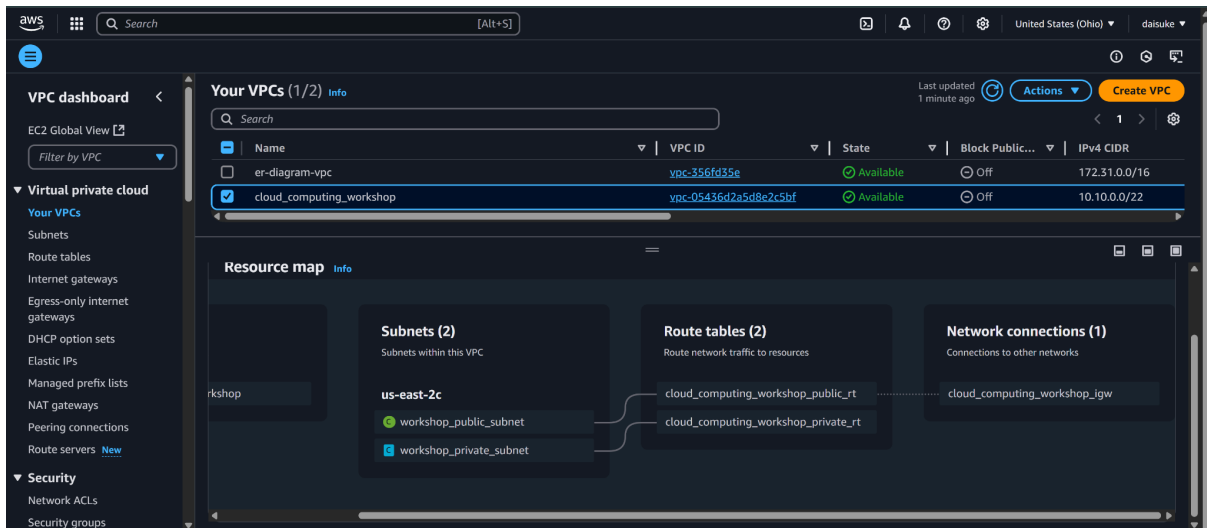
- Public Subnet Created



- Private Subnet Created

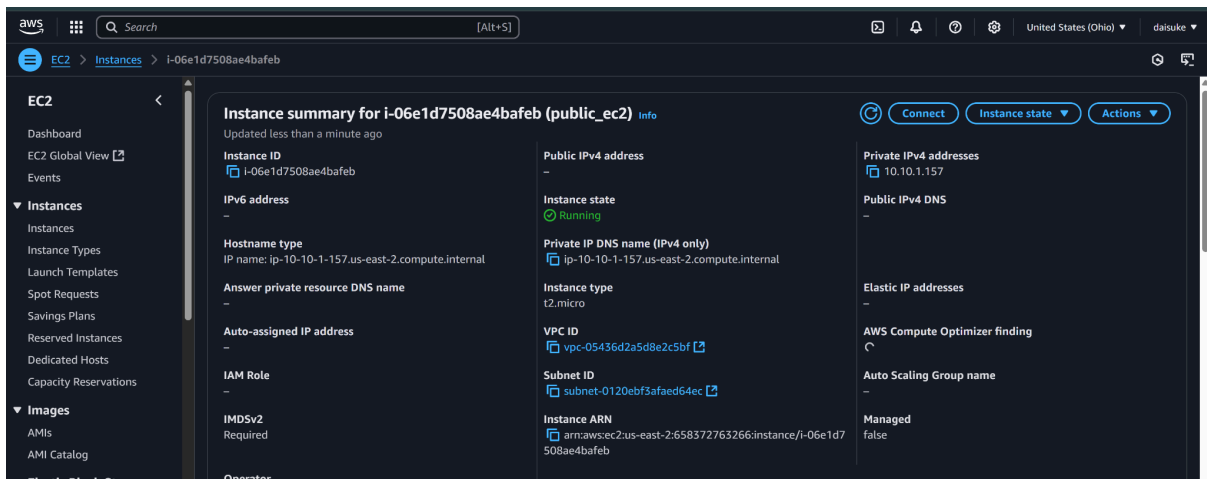


- Route Table Associated

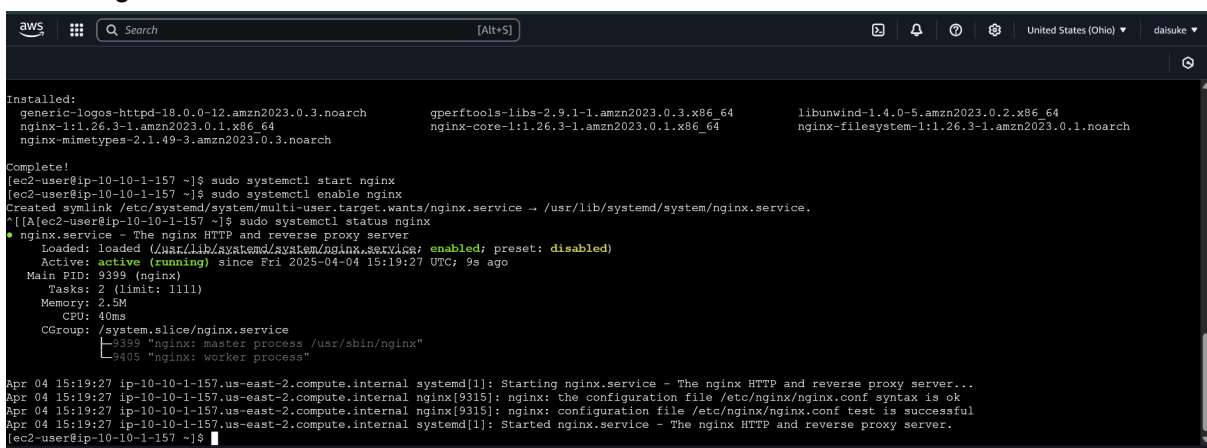


Task 2

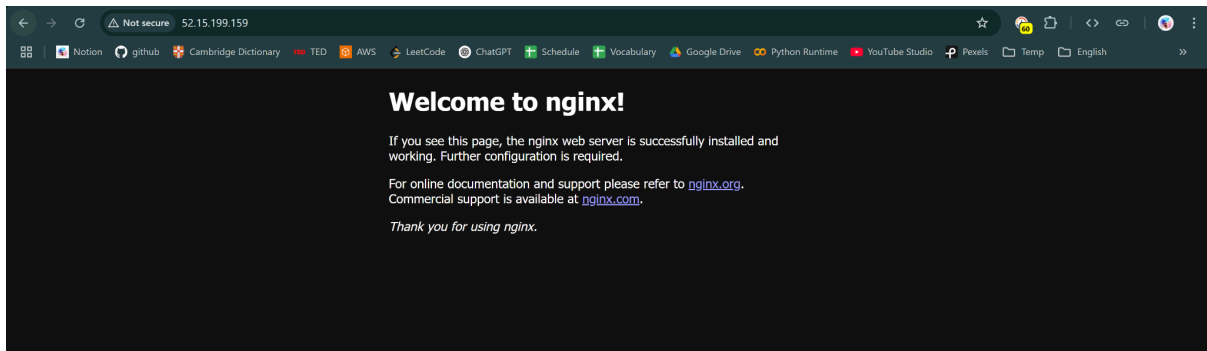
- public ec2 instance created



- nginx launched

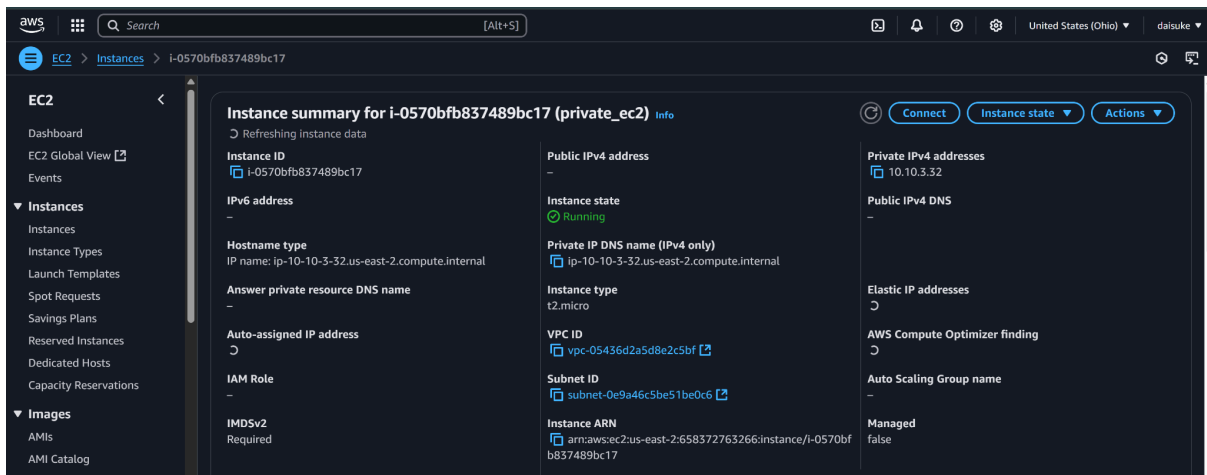


- nginx page confirmed

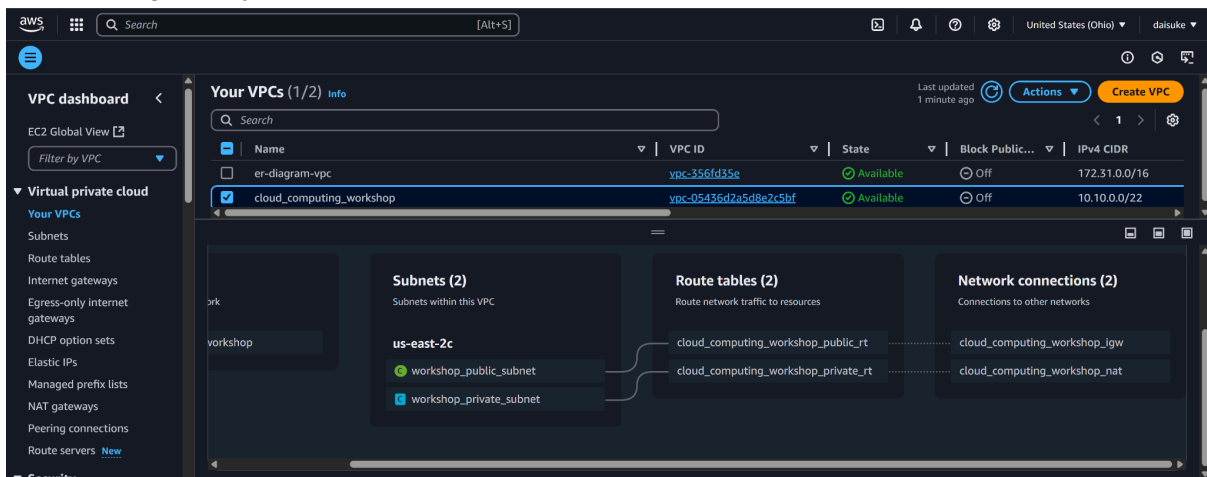


Task 3

- private ec2 created



- nat gateway created



- Nginx Launched

```
aws
[Alt+S]
Apr 04 15:30:14 ip-10-10-3-32.us-east-2.compute.internal nginx[26165]: nginx: configuration file /etc/nginx/nginx.conf test is successful
Apr 04 15:30:14 ip-10-10-3-32.us-east-2.compute.internal systemd[1]: Started nginx.service - The nginx HTTP and reverse proxy server.
[ec2-user@ip-10-10-3-32 ~]$ curl http://localhost:80
<!DOCTYPE html>
<html>
<head>
<title>Welcome to nginx!</title>
<style>
html { color-scheme: light dark; }
body { width: 35em; margin: 0 auto;
font-family: Tahoma, Verdana, Arial, sans-serif; }
</style>
</head>
<body>
<h1>Welcome to nginx!</h1>
<p>If you see this page, the nginx web server is successfully installed and
working. Further configuration is required.</p>
<p>For online documentation and support please refer to
<a href="http://nginx.org/">nginx.org</a>.<br/>
Commercial support is available at
<a href="http://nginx.com/">nginx.com</a>.</p>
<p><em>Thank you for using nginx.</em></p>
</body>
</html>
[ec2-user@ip-10-10-3-32 ~]$
```

- ALB Created

The screenshot shows the AWS Management Console interface for an Application Load Balancer. The left sidebar contains navigation links for EC2, Load balancers, and cloud-computing-workshop-alb. The main content area displays the details of the load balancer, including its status (Active), scheme (Internet-facing), VPC (vpc-05436d2a5d9e2c5bf), and availability zones (subnet-0120ebf3afaed64ec and subnet-0de0341d9e7e600b7). A notification banner at the top indicates that Application Load Balancers now support public IPv4 IP Address Management (IPAM).

Details
Load balancer type Application
Status Active
Scheme Internet-facing
Hosted zone Z3AADJGX6KTTL2
VPC vpc-05436d2a5d9e2c5bf
Availability Zones subnet-0120ebf3afaed64ec (us-east-2c (use2-az3)) subnet-0de0341d9e7e600b7 (us-east-2a (use2-az1))
Load balancer IP address type IPv4
Date created April 4, 2025, 10:43 (UTC-05:00)
Load balancer ARN arn:aws:elasticloadbalancing:us-east-2:658372763266:loadbalancer/app/cloud-computing-workshop-alb/0b24a1176d5d95b1
DNS name info cloud-computing-workshop-alb-1046732450.us-east-2.elb.amazonaws.com (A Record)

- Private Nginx Confirmed

The screenshot shows a web browser window displaying the 'Welcome to Private Server!' message. The browser's address bar shows the URL 'cloud-computing-workshop-alb-1046732450.us-east-2.elb.amazonaws.com'. The page content includes a welcome message, a note about the nginx web server being successfully installed and working, and links to the nginx.org website for online documentation and support. The page also includes a thank you message for using nginx.

Welcome to Private Server!

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.
Commercial support is available at nginx.com.

Thank you for using nginx.