Here's a **step-by-step lab** to use a **GoDaddy domain** with **AWS services**, such as **EC2**

Prerequisites

- GoDaddy account with a registered domain (e.g., openwriteup.xyz)
- AWS account with permissions for Route 53, EC2 or S3, CloudFront
- A running EC2 instance with a public IP or a static website in S3

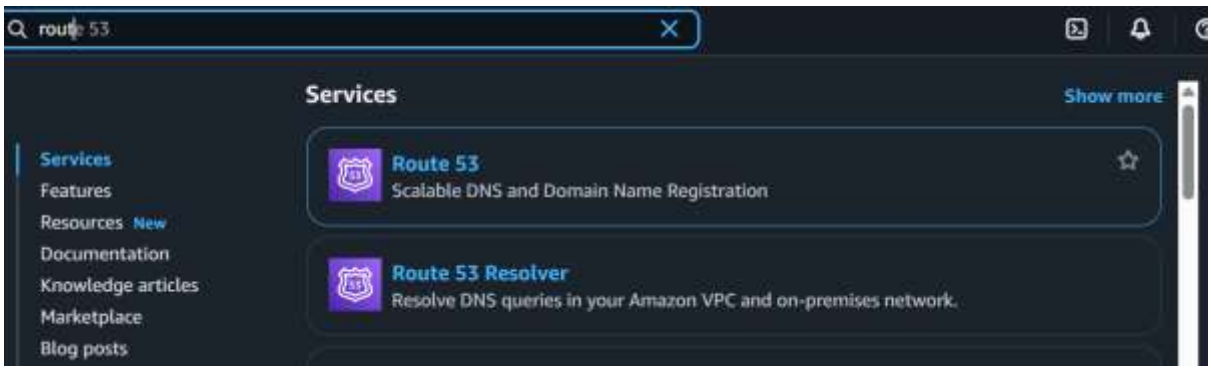
STEP 1: Register Domain on GoDaddy

If you haven't done it:

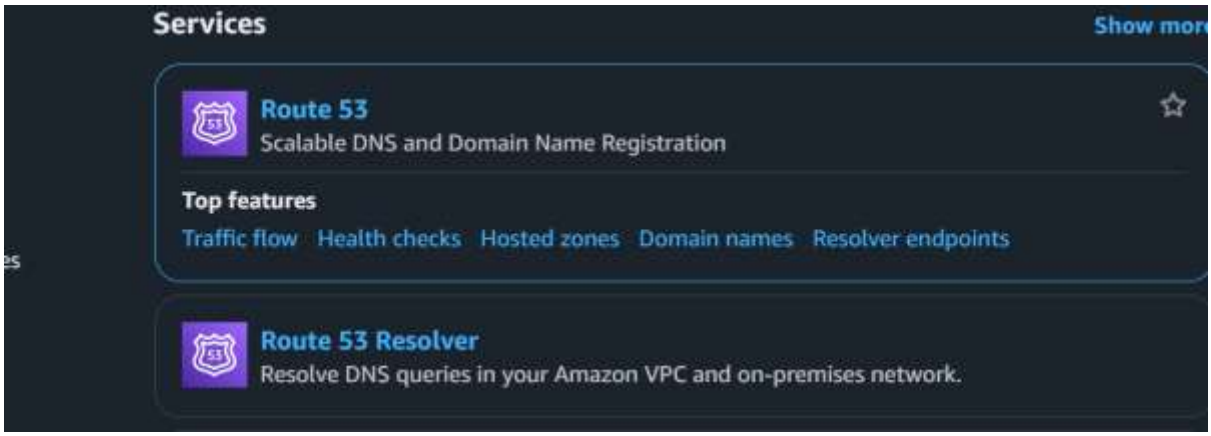
1. Go to GoDaddy
2. Purchase a domain (e.g., openwriteup.xyz)

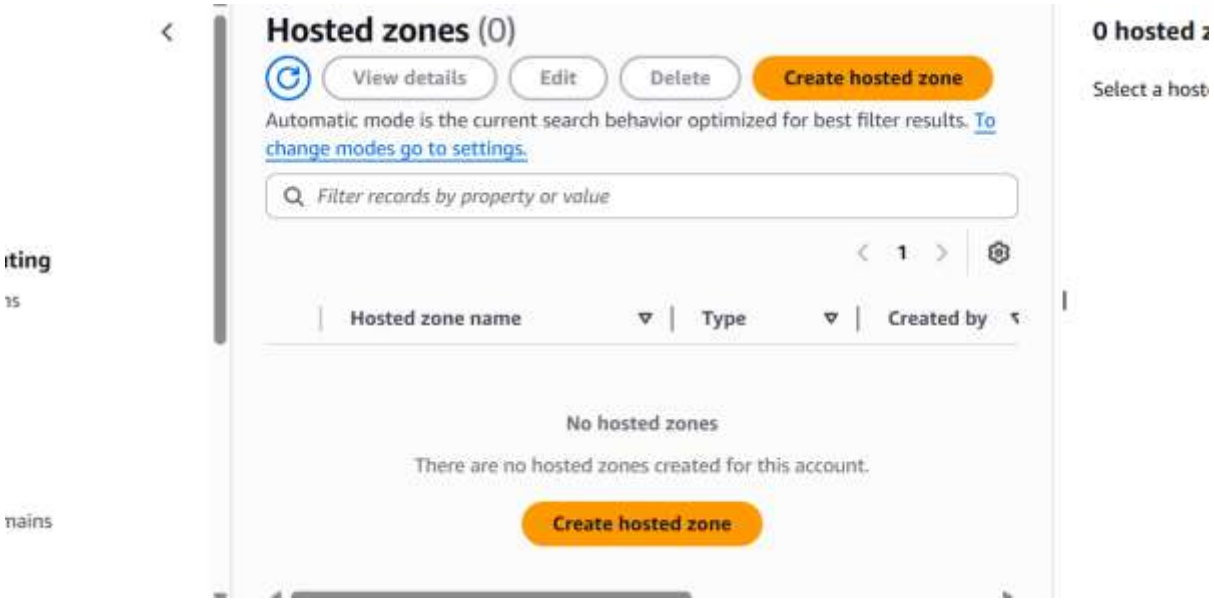
STEP 2: Create a Hosted Zone in Route 53

1. Go to AWS Console → Route 53



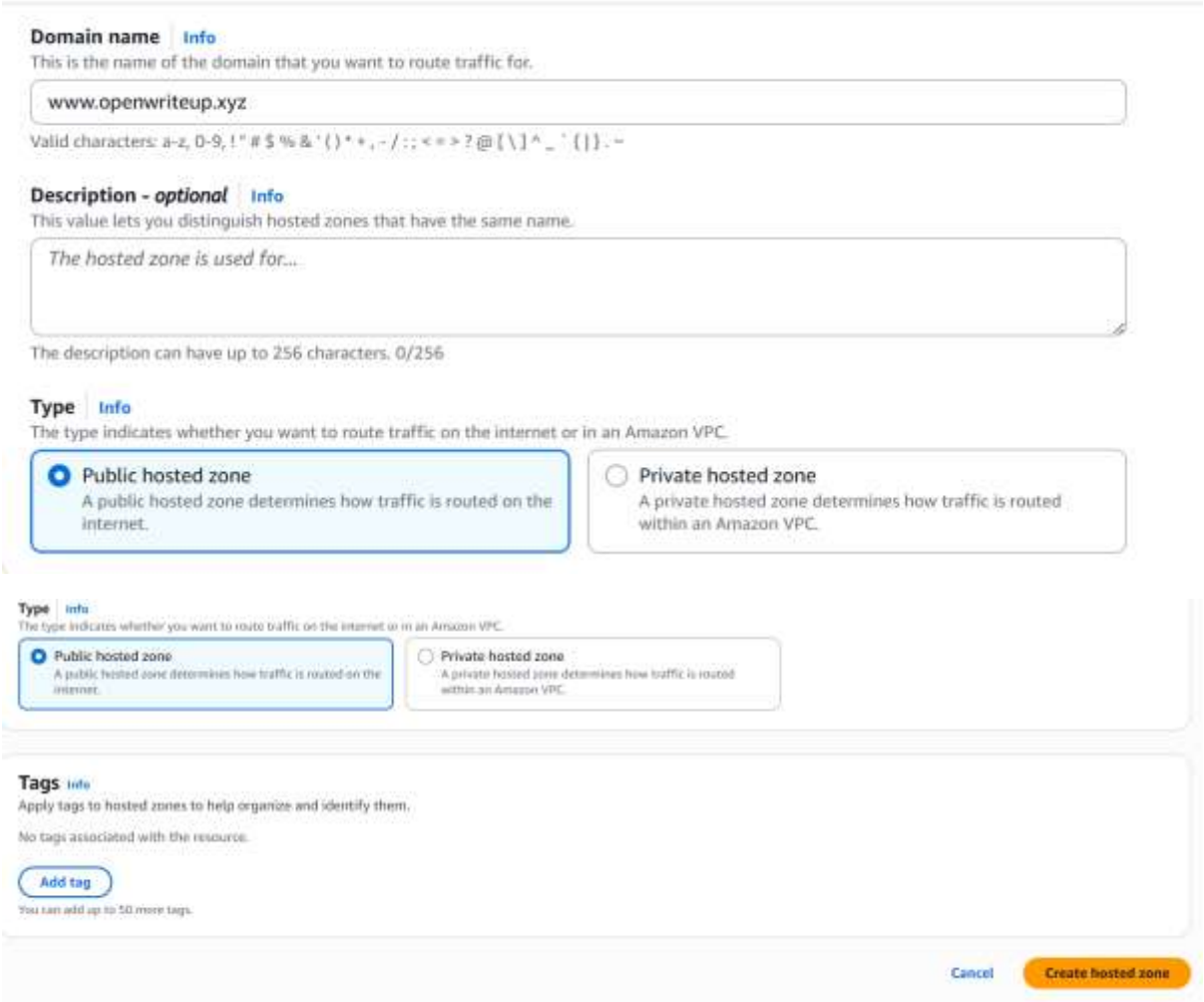
2. Choose **Hosted Zones** → **Create hosted zone**





- Domain name: openwriteup.xyz
- Type: **Public hosted zone**

3. Click **Create hosted zone**

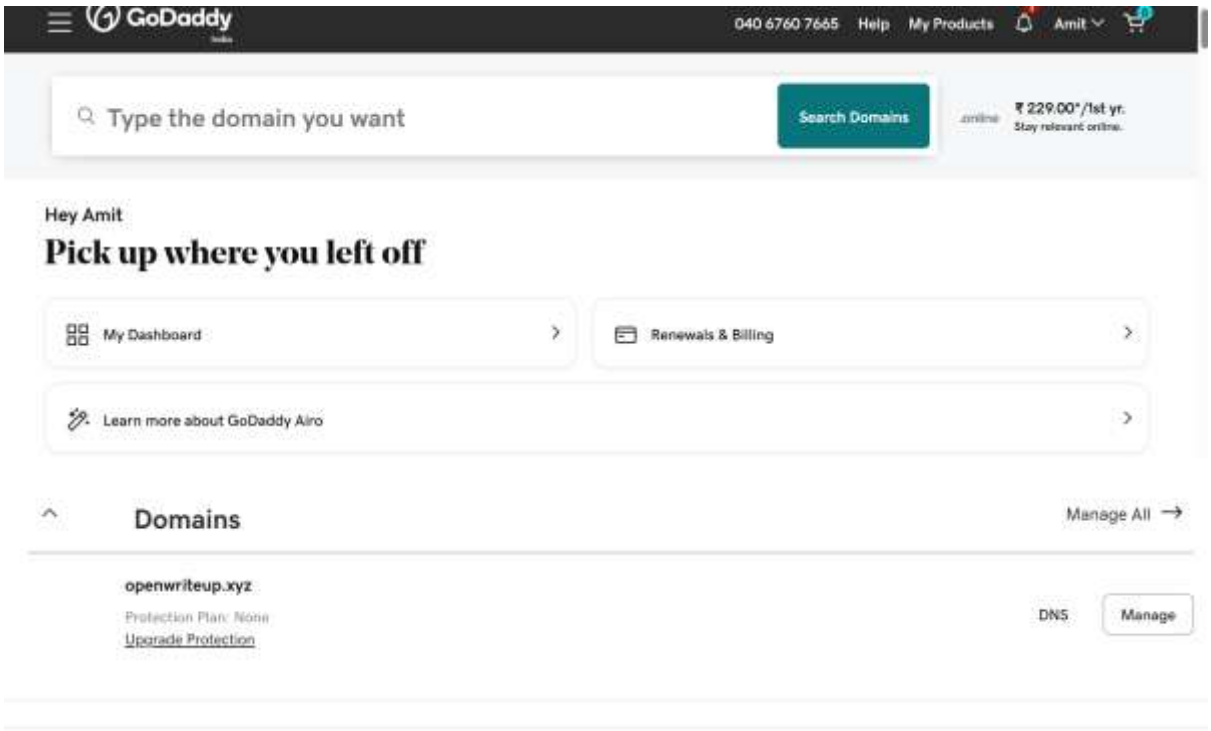


4. Note the **4 Name Servers (NS records)** generated by Route 53.

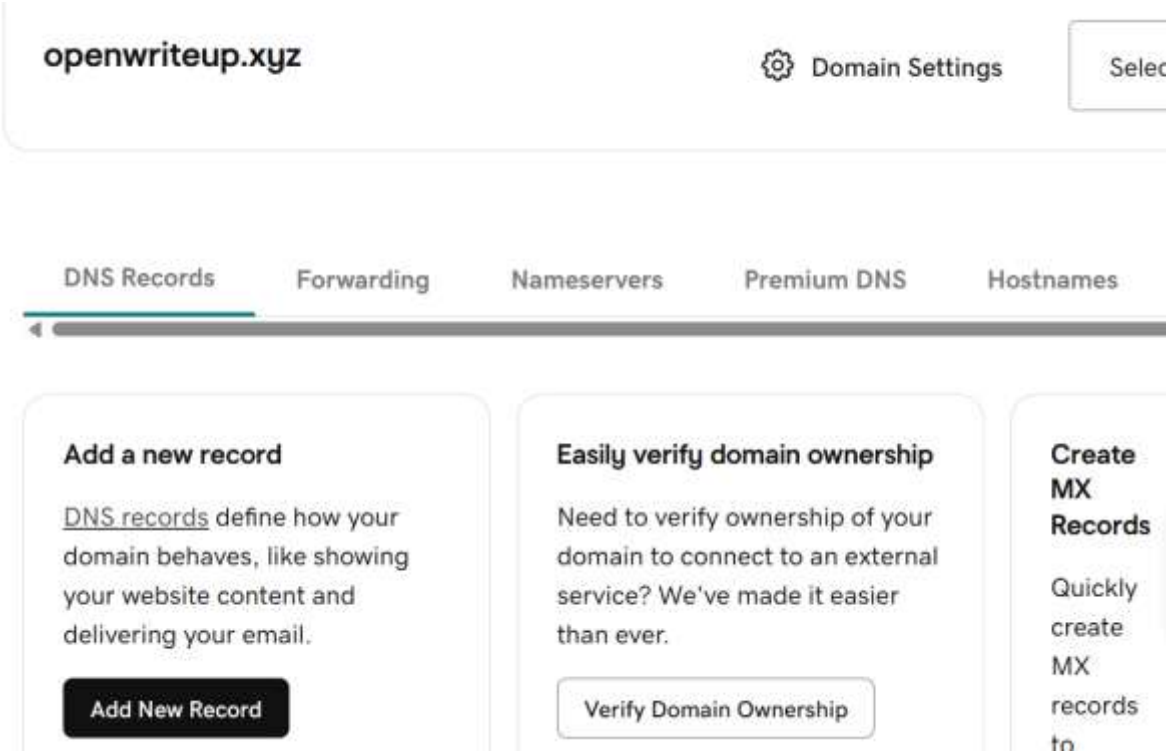
Alias	Value/Route traffic to	TTL (s...	Health .
No	ns-360.awsdns-45.com. ns-529.awsdns-02.net. ns-1430.awsdns-50.org. ns-1764.awsdns-28.co.uk.	172800	-
No	ns-360.awsdns-45.com. awsd...	900	-

STEP 3: Update GoDaddy Name Servers

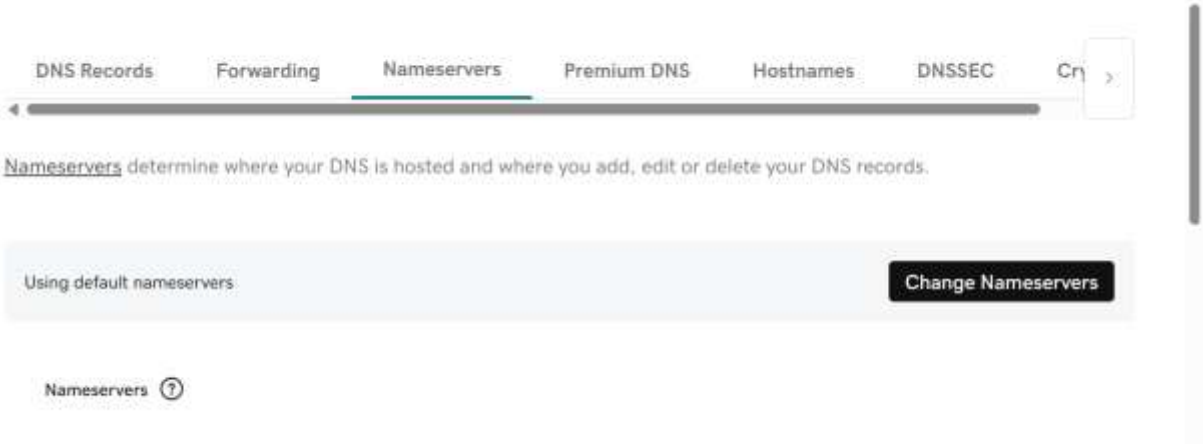
1. Log into [GoDaddy DNS Management]



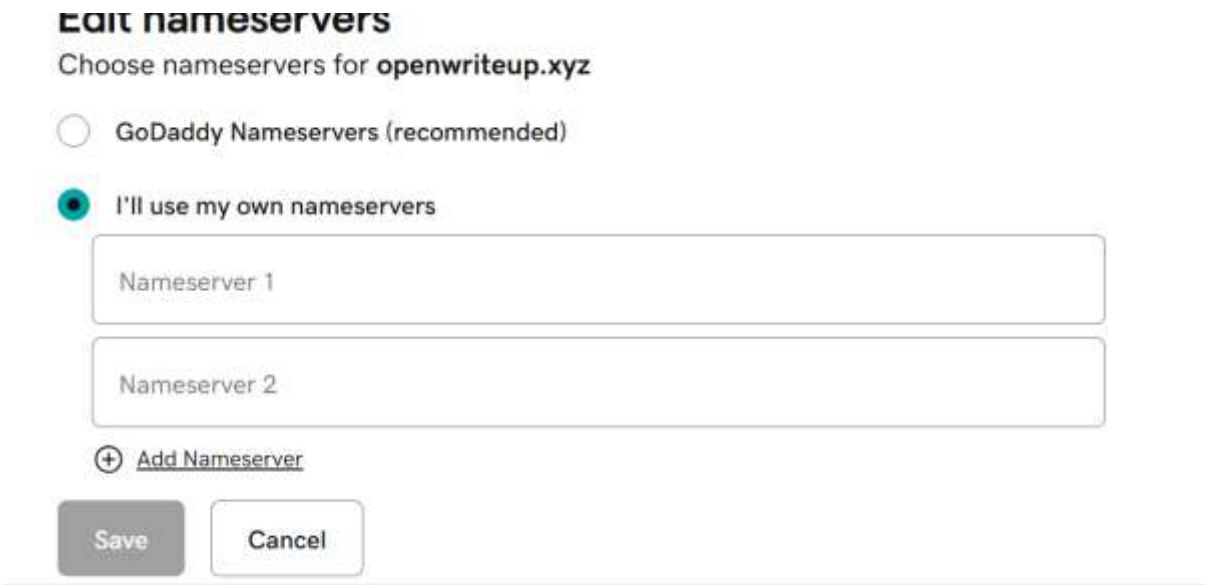
2. Go to “My Products” → Domain → “DNS”



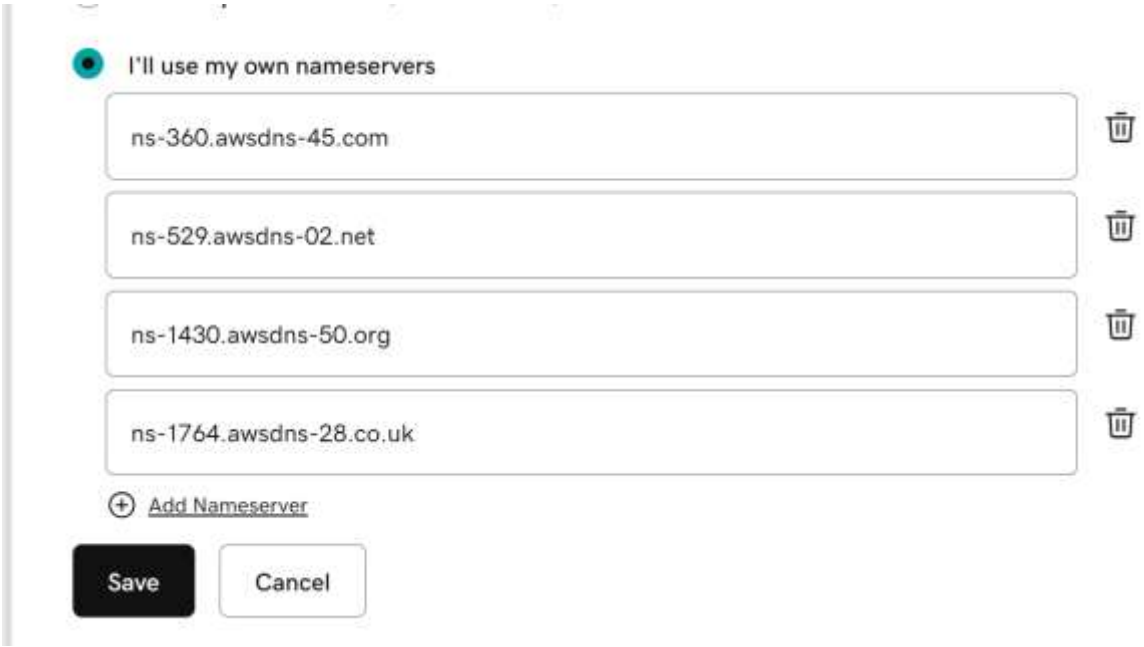
3. Scroll to **Nameservers** → Click **Change**



4. Choose: **Enter my own nameservers**



5. Paste the 4 NS records from AWS Route 53.



6. Save changes (may take up to 48 hours, usually much faster).

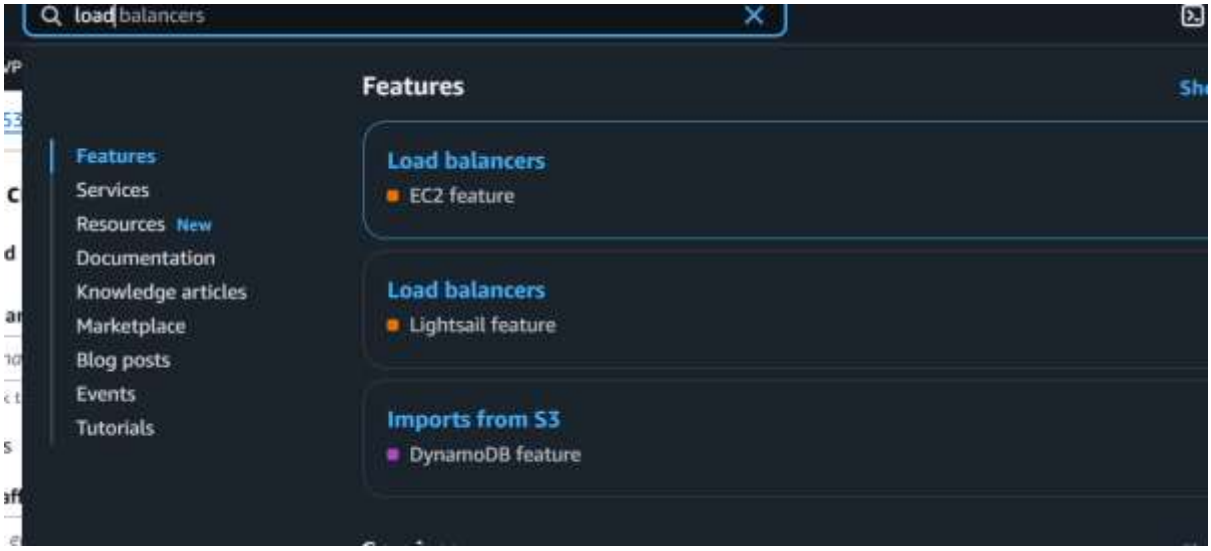
STEP 4: Configure AWS Hosting

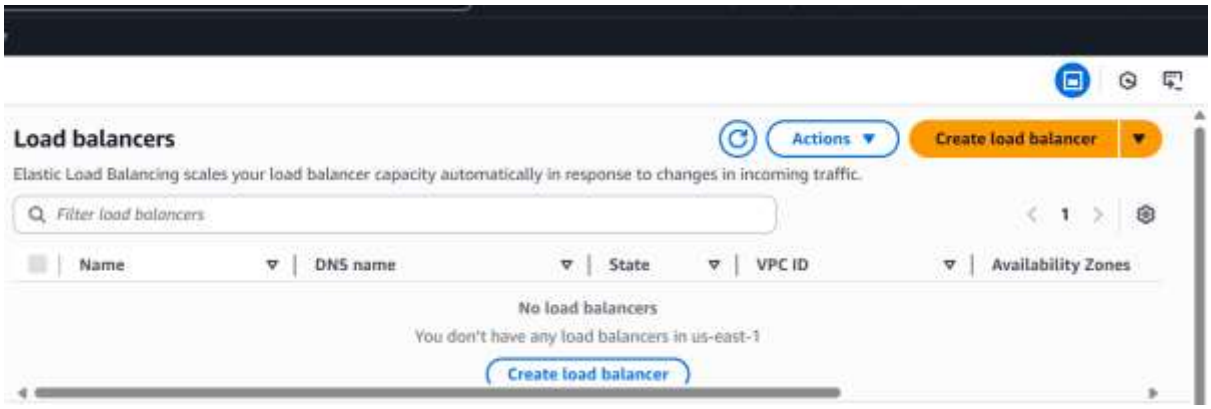
Option A: EC2 Hosting

1. Launch EC2 instance (Ubuntu/Apache/NGINX/etc.)
2. Note public IP or create an Elastic IP and associate it.
3. SSH , HTTP configure your web server:
4. sudo apt update
5. sudo apt install apache2 -y

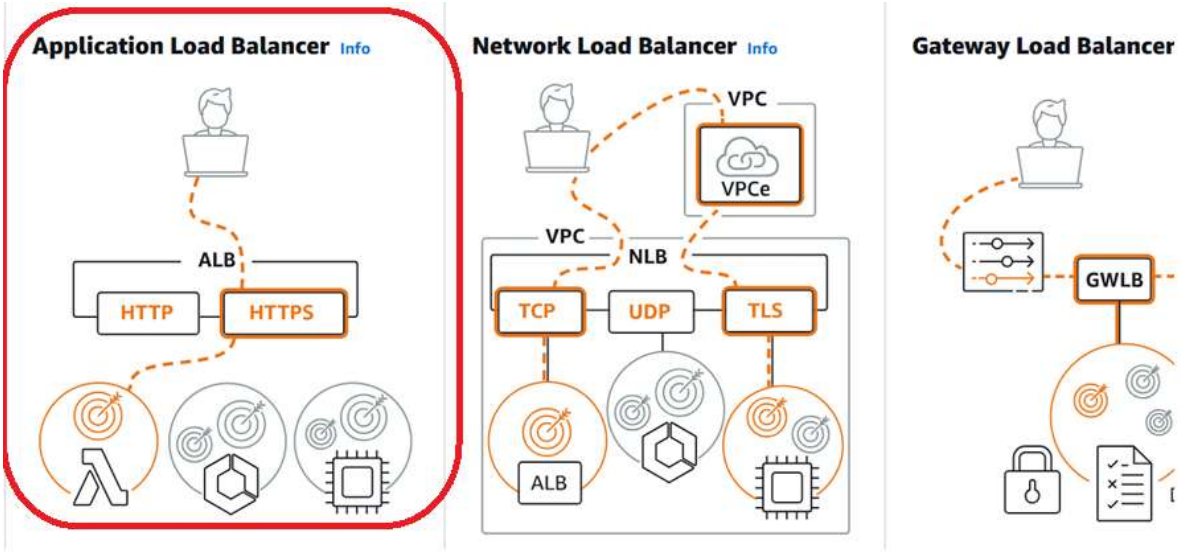
6. echo "Welcome to openwriteup.xyz" | sudo tee /var/www/html/index.html

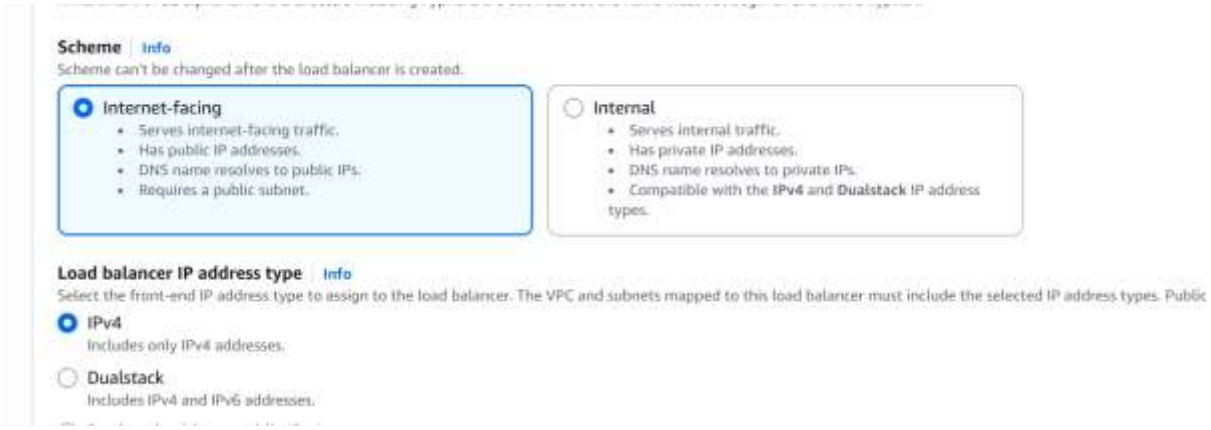
Create Loadbalancer

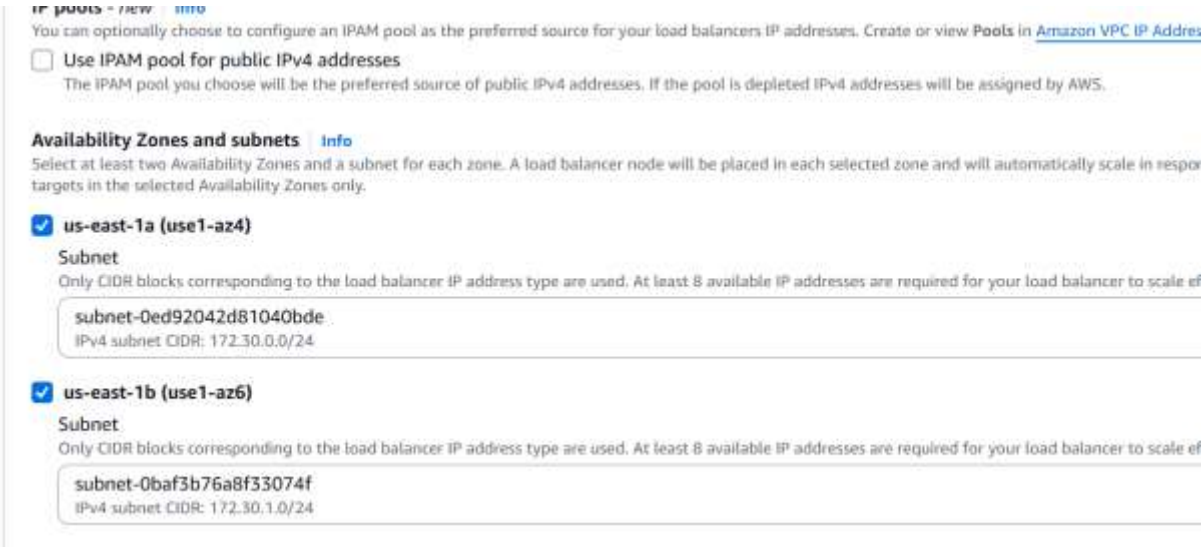




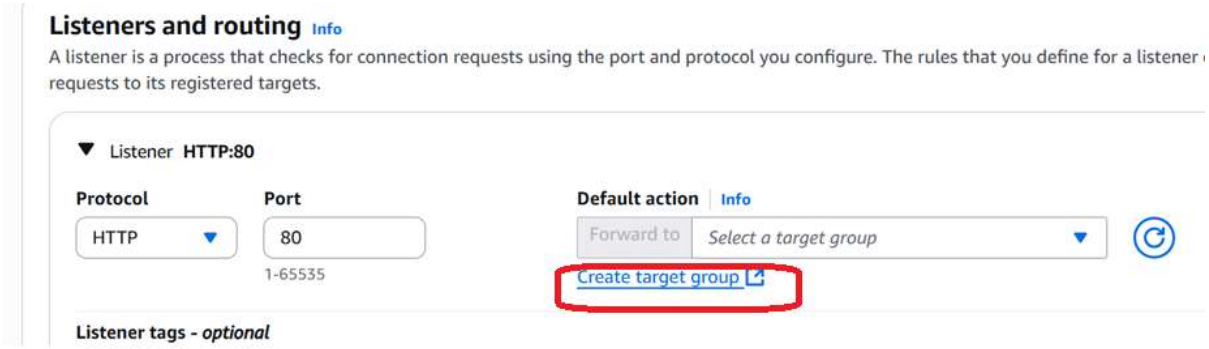
Create ALB

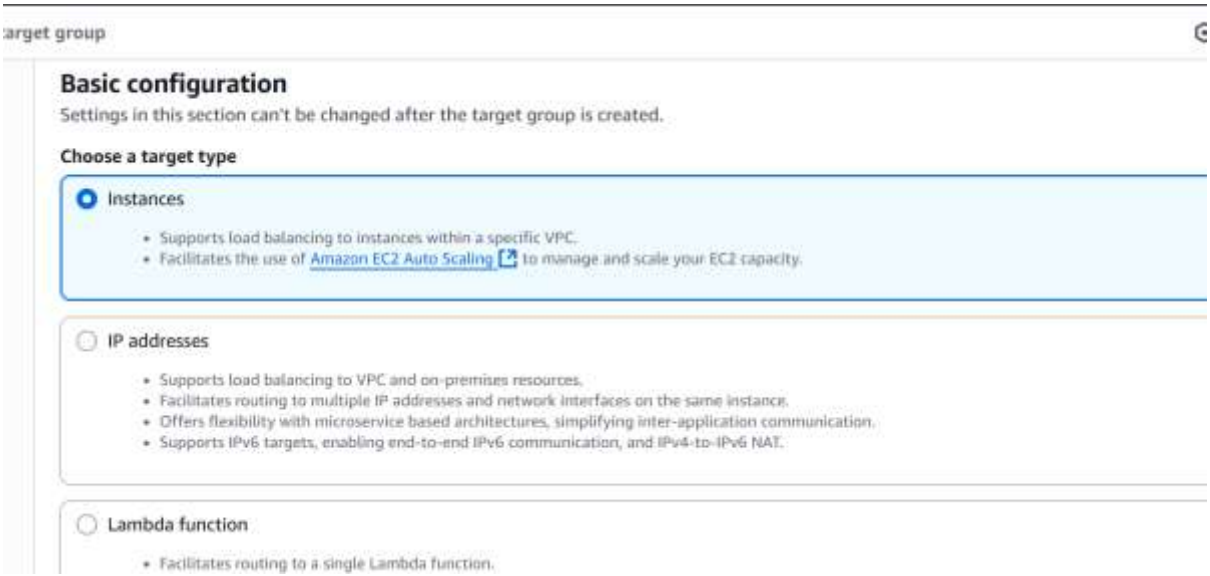

Application Load Balancer Info
ALB
HTTP
HTTPS
Network Load Balancer Info
VPC
VPCe
VPC
NLB
TCP
UDP
TLS
ALB
Gateway Load Balancer
GWLB

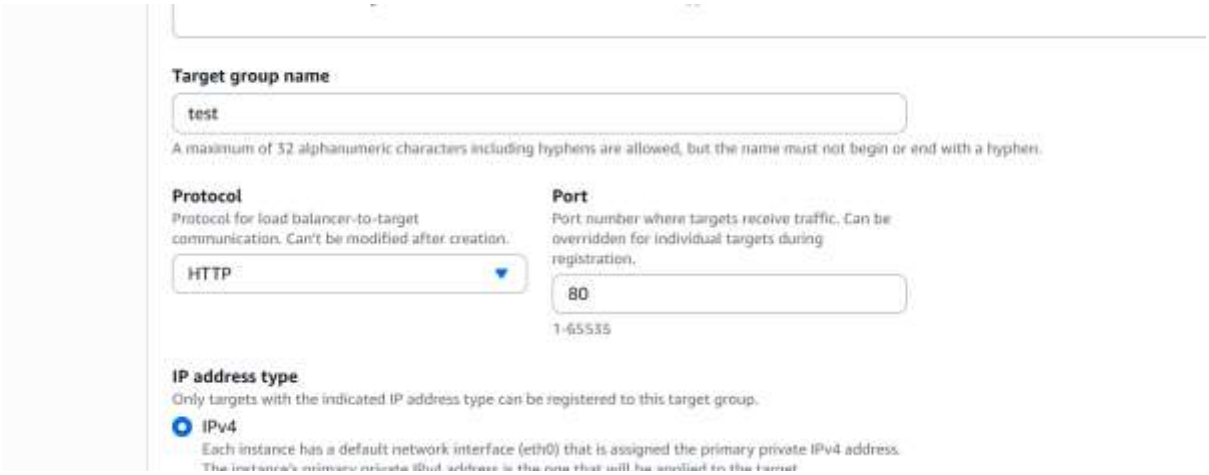

Scheme Info
Scheme can't be changed after the load balancer is created.
Internet-facing
Serves internet-facing traffic.
Has public IP addresses.
DNS name resolves to public IPs.
Requires a public subnet.
Internal
Serves internal traffic.
Has private IP addresses.
DNS name resolves to private IPs.
Compatible with the IPv4 and Dualstack IP address types.
Load balancer IP address type Info
Select the front-end IP address type to assign to the load balancer. The VPC and subnets mapped to this load balancer must include the selected IP address types. Public
IPv4
Includes only IPv4 addresses.
Dualstack
Includes IPv4 and IPv6 addresses.



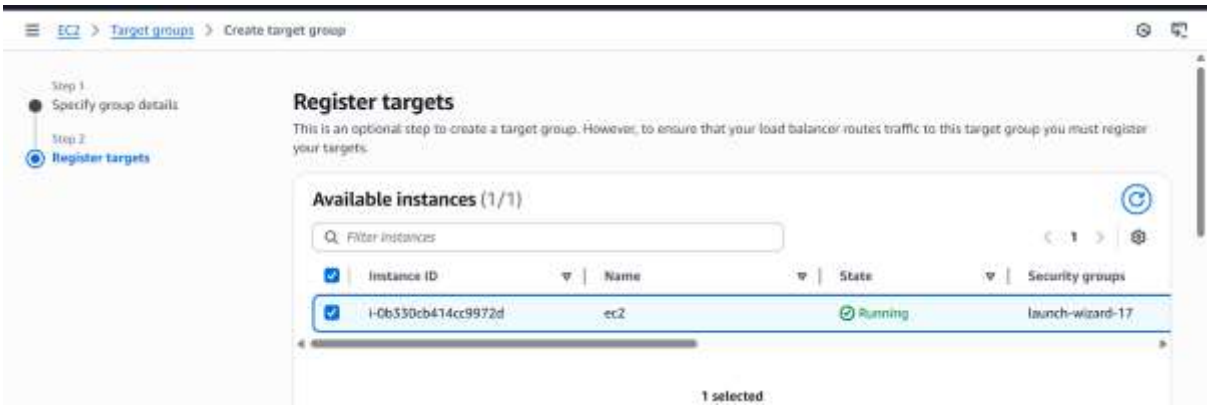
Create Target group

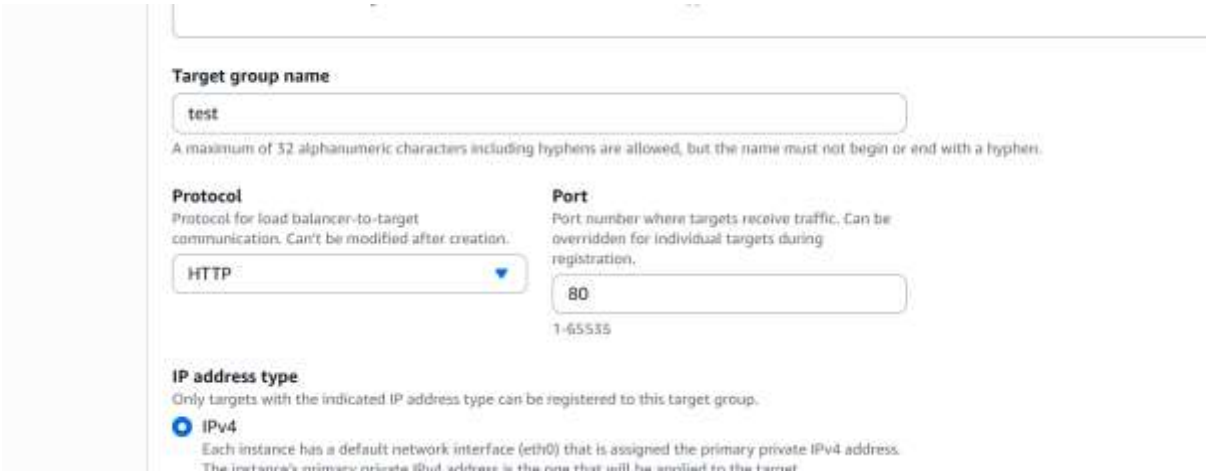




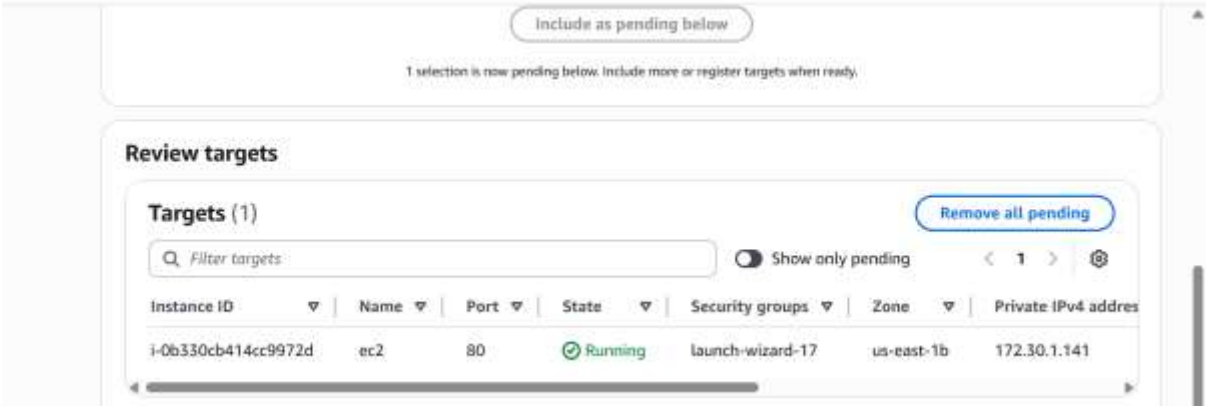


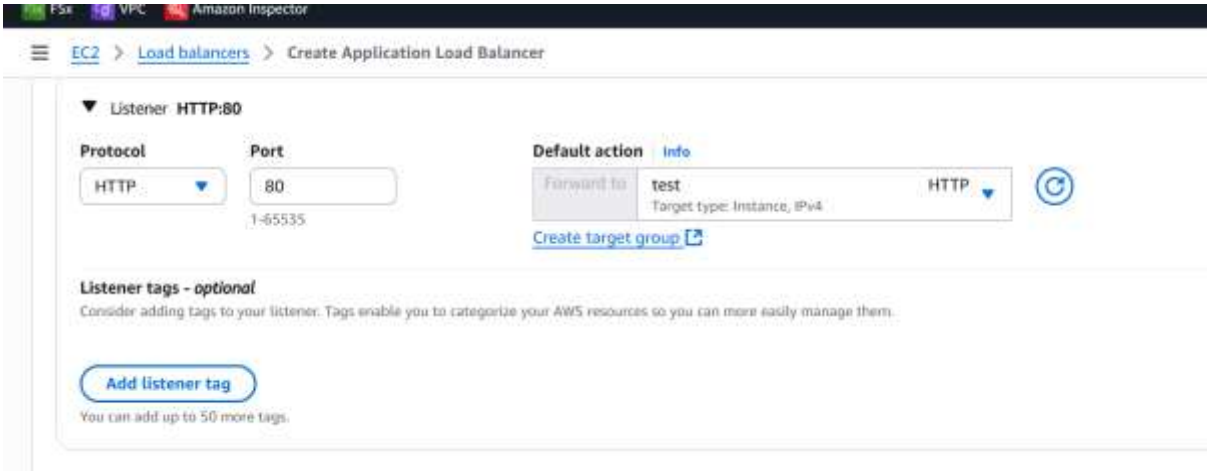
Map instance





Include Target



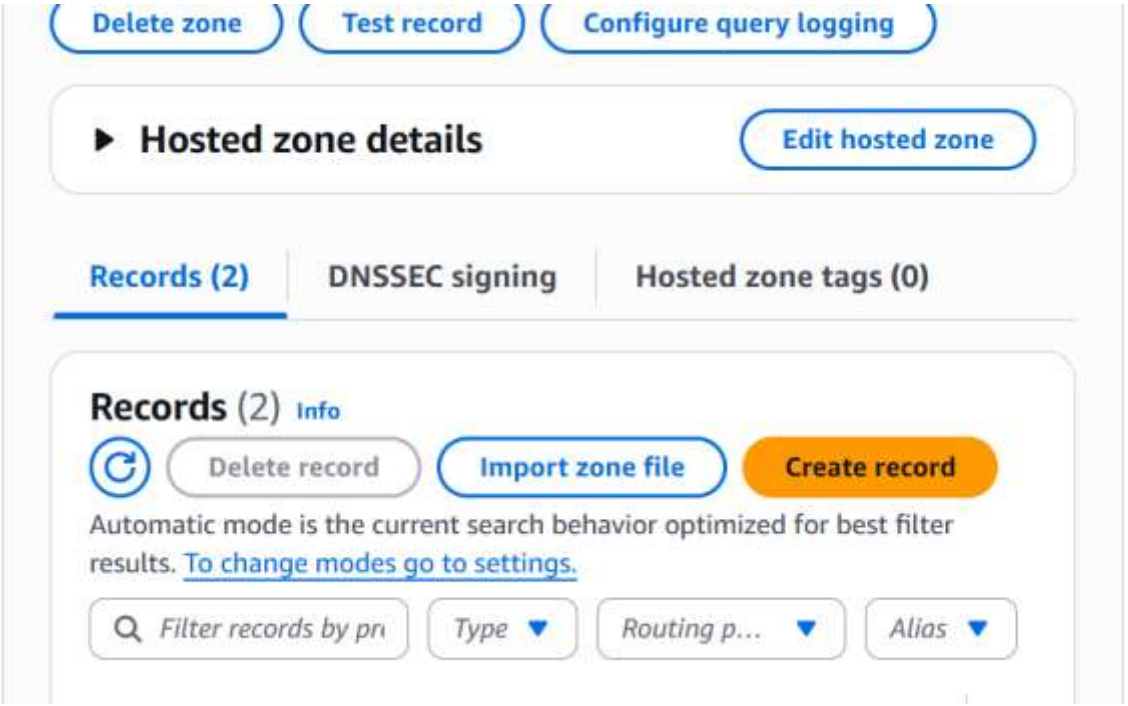


Take the Dns name of lb

STEP 5: Add DNS Records in Route 53

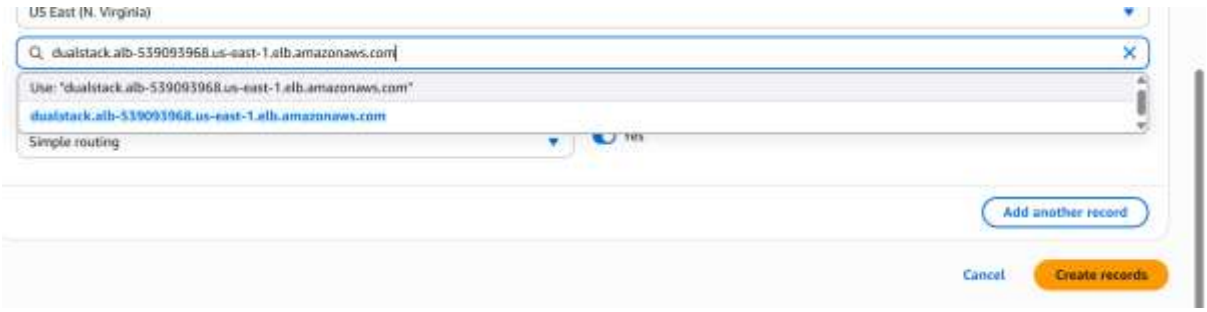
For EC2:

- Go to Hosted Zone → **Create Record**



Click on create record Check alias, and select your lb

Click on create record



STEP 6: Test the Setup

- Open browser → go to C or http://openwriteup.xyz