# Creating a Classic Load Balancer and DNS Configuration in Route 53

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## Objective

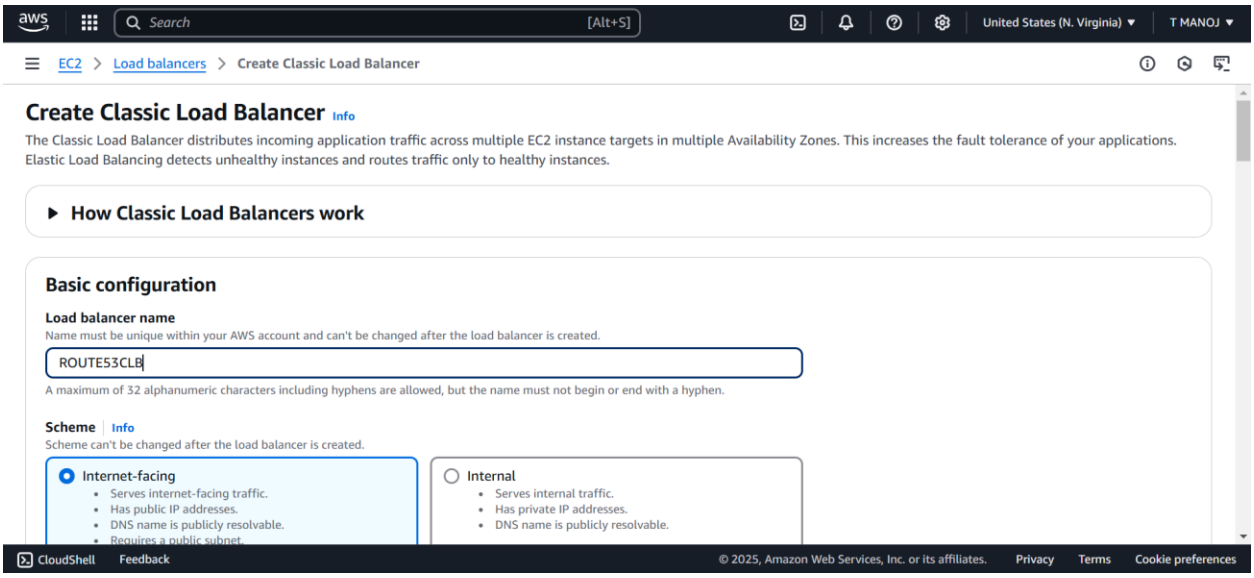
The objective of the process is creating a Classic Load Balancer (CLB) in AWS with three EC2 instances for handling incoming traffic.

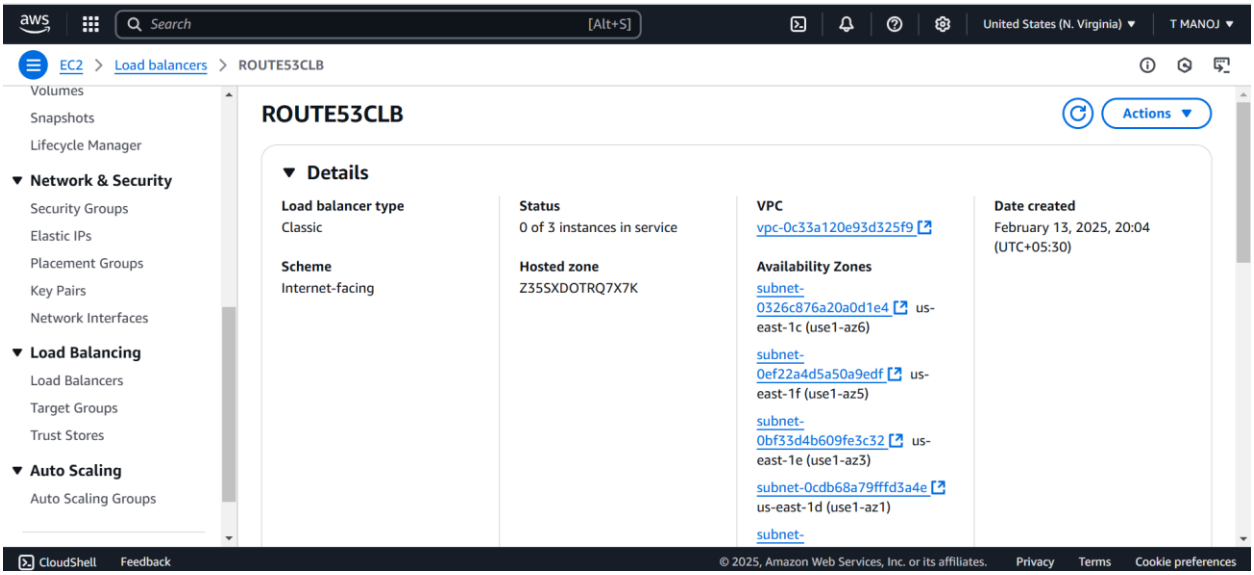
### Launch EC2 Instances

1. Go to the EC2 Dashboard and launch three EC2 instances in the same VPC.
2. Ensure they are configured with the correct security groups (e.g., HTTP/HTTPS).

### Create a Classic Load Balancer

1. Go to the Load Balancers section in the EC2 dashboard.
2. Click Create Load Balancer and select Classic Load Balancer.
3. Configure the load balancer:
    a. Choose Internet-facing or Internal.
    b. Set listeners (e.g., HTTP or HTTPS).
    c. Select the VPC and subnets where your instances are located.
4. Add the three EC2 instances to the load balancer.



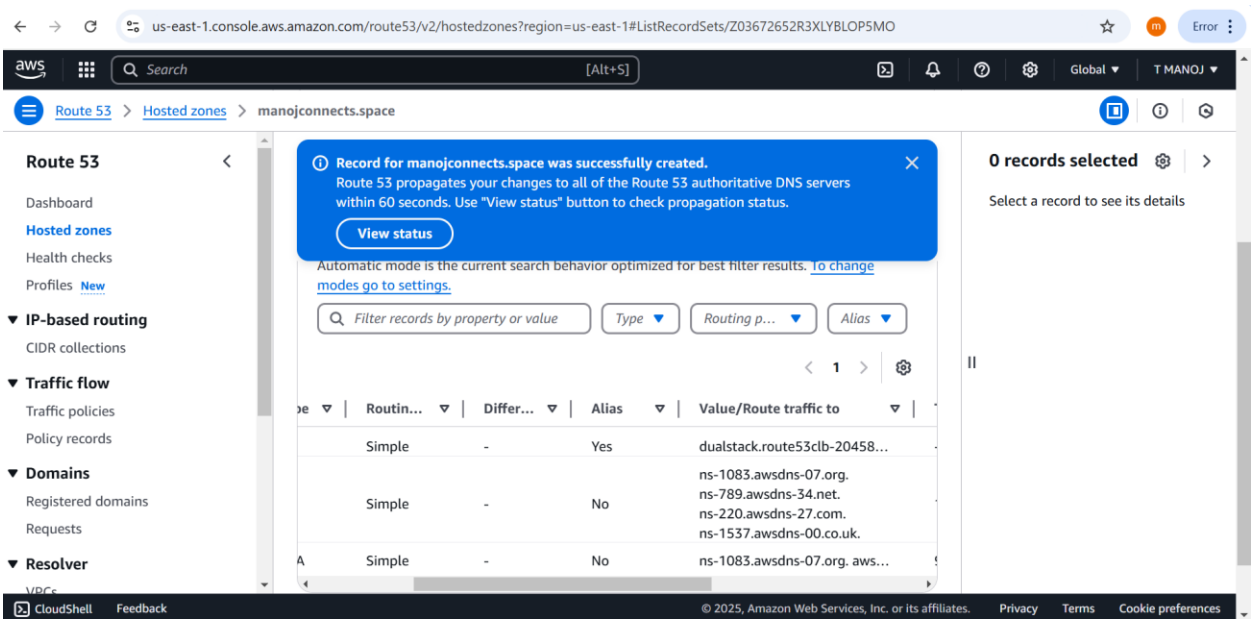




## Get the Load Balancer DNS Name

1. After creating the load balancer, find its DNS Name under the Description tab

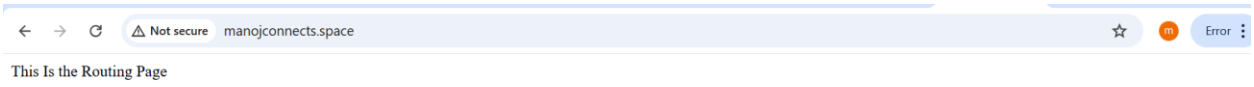
## Creation of Route 53 Hosted Zone

1. Go to Route 53 and select or create a Hosted Zone for your domain.
2. Click Create Record and choose A – IPv4 address.
3. Set Alias to Yes and paste the DNS Name of the load balancer as the Alias Target.

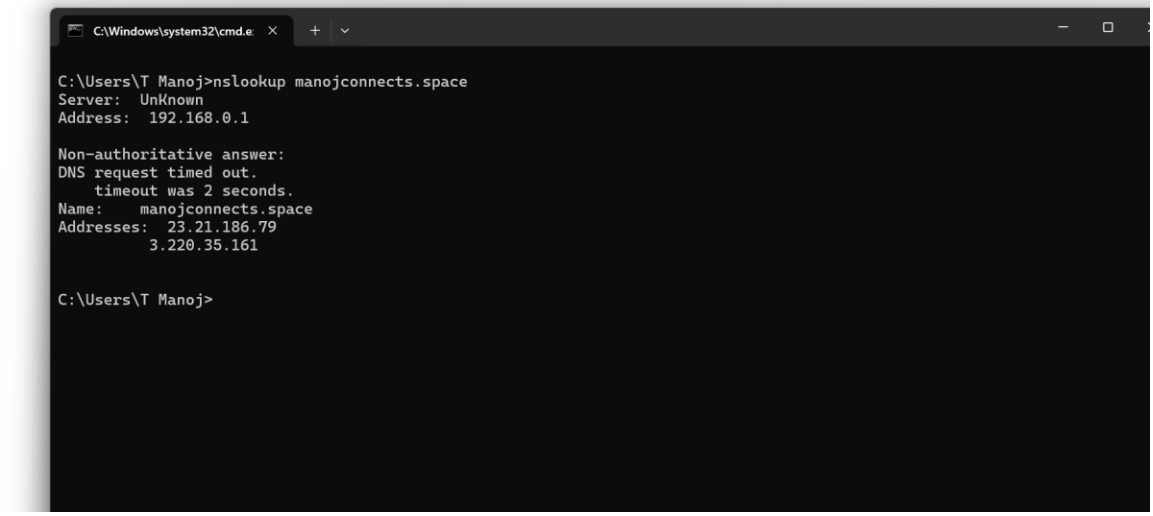



## Test the Configuration

1. Access your domainto ensure traffic is routed through the load balancer to your instances.



This Is the Routing Page




## Conclusion

By following these steps, you have successfully deployed a Classic Load Balancer with three EC2 instances and configured Route 53 DNS records. The load balancer effectively manages incoming requests, balancing traffic.