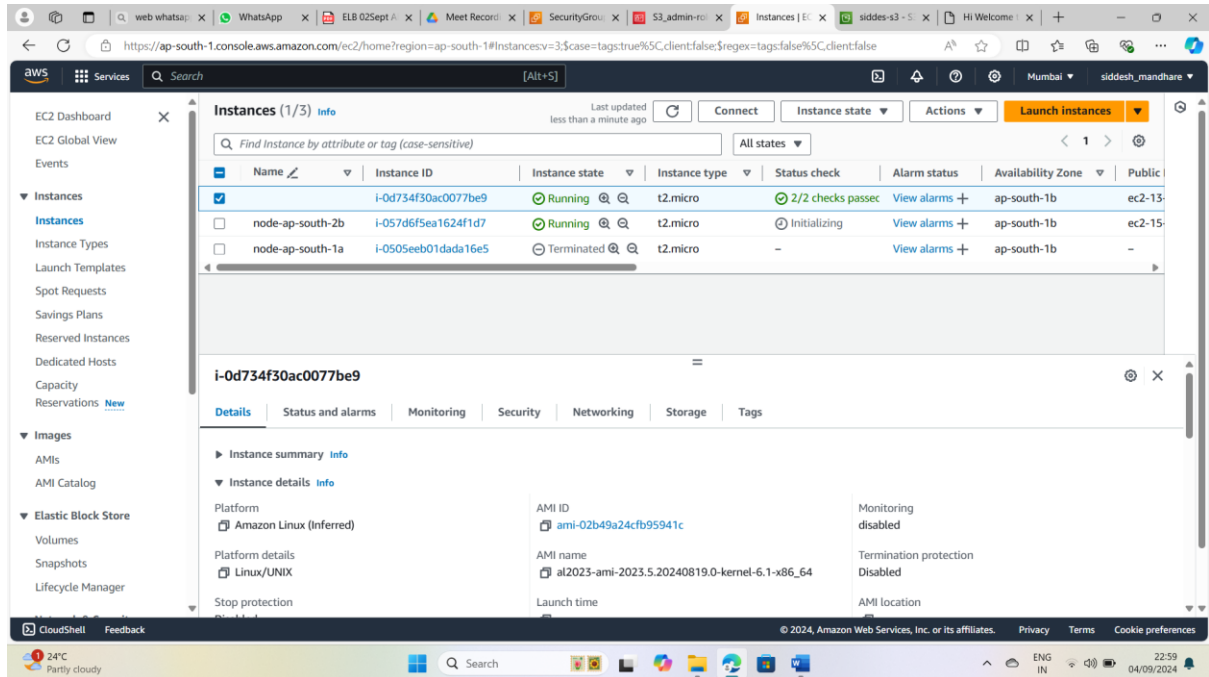


Elastic Load Balancer (ELB)

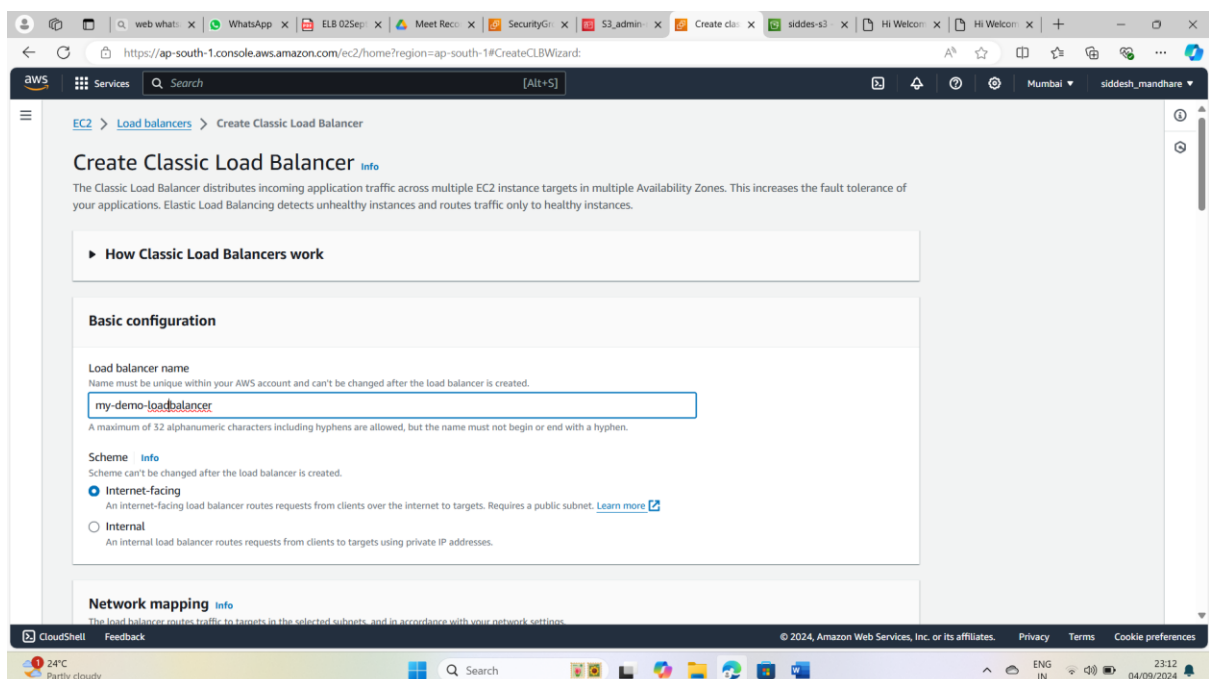
Siddesh Mandhare

02/09/24

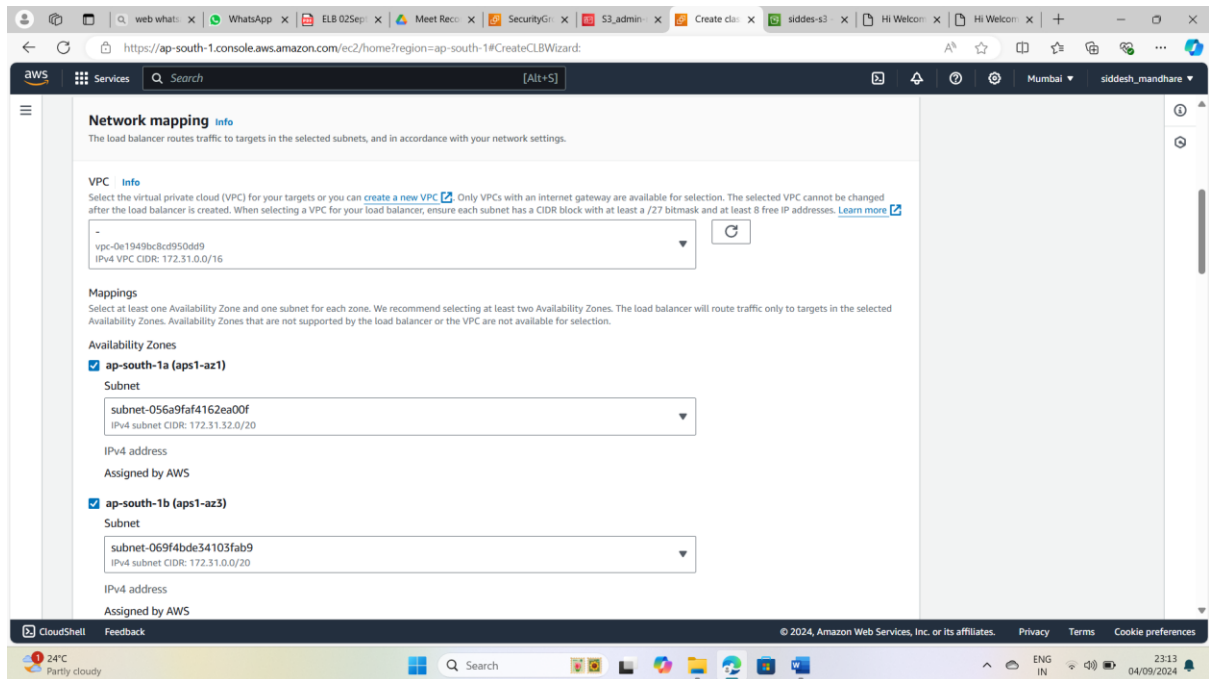
1) Create two instances in two availability zones ap-south-1



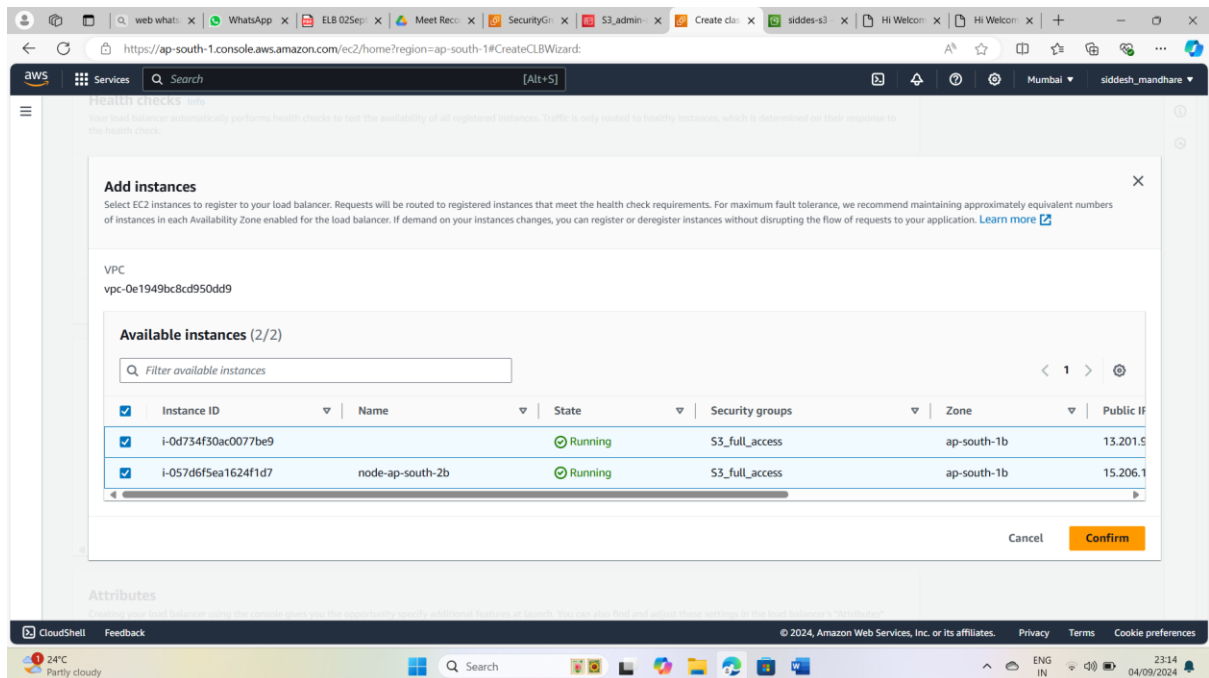
2) Create load balancer



3) Map the network for the instances



4) Attached instances to the load balancers



5) Created Load Balancer

The screenshot shows the AWS Management Console for the 'my-demo-loadbalancer' Classic Load Balancer. The console displays the following details:

- Load balancer type:** Classic
- Status:** 2 of 2 instances in service
- VPC:** vpc-0e1949bc8cd950dd9
- Date created:** September 4, 2024, 23:08 (UTC+05:30)
- Scheme:** Internet-facing
- Hosted zone:** ZP97RAFLXTNZK
- Availability Zones:** subnet-056a9faf4162ea00f (ap-south-1a (aps1-az1)), subnet-069f4bde34103fab9 (ap-south-1b (aps1-az3))
- DNS name:** my-demo-loadbalancer-420781537.ap-south-1.elb.amazonaws.com (A Record)

A notification banner indicates that this Classic Load Balancer can be migrated to a next generation load balancer using the Migration wizard. A 'Launch migration wizard' button is available.

Below the details, there is a section for 'Distribution of targets by Availability Zone (AZ)' with instructions on how to filter target instances by availability zone.

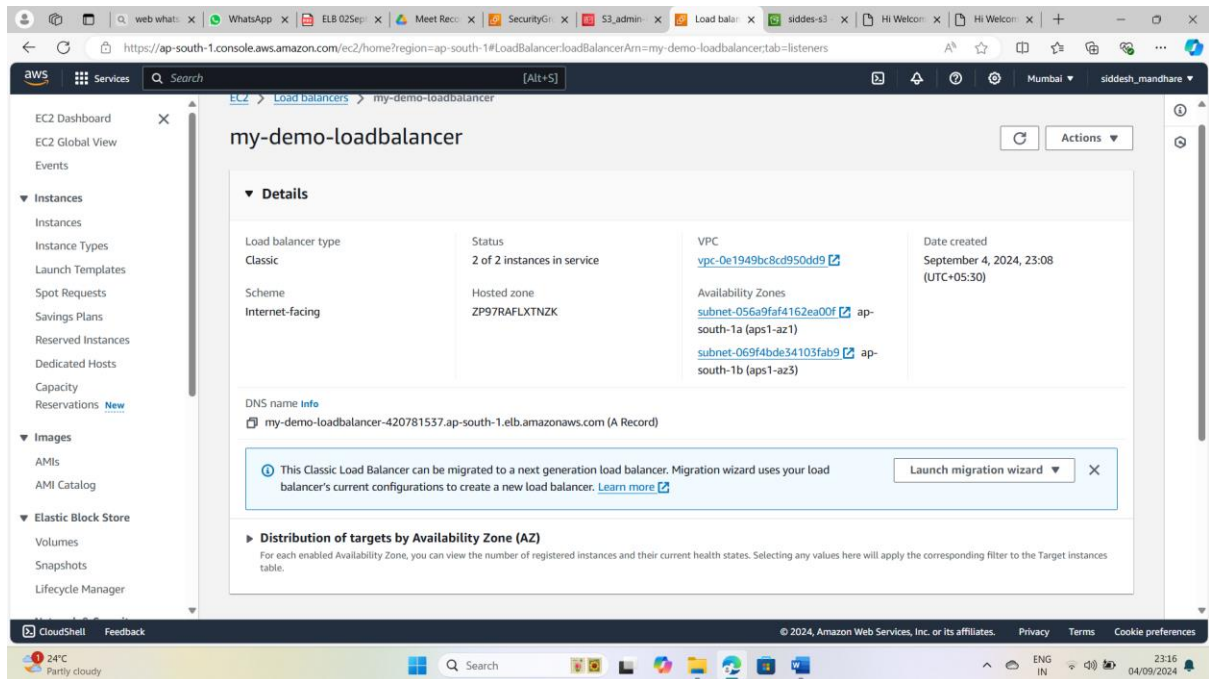
6) Health status is In-service

The screenshot shows the 'Target instances' tab for the 'my-demo-loadbalancer' Classic Load Balancer. The console displays the following information:

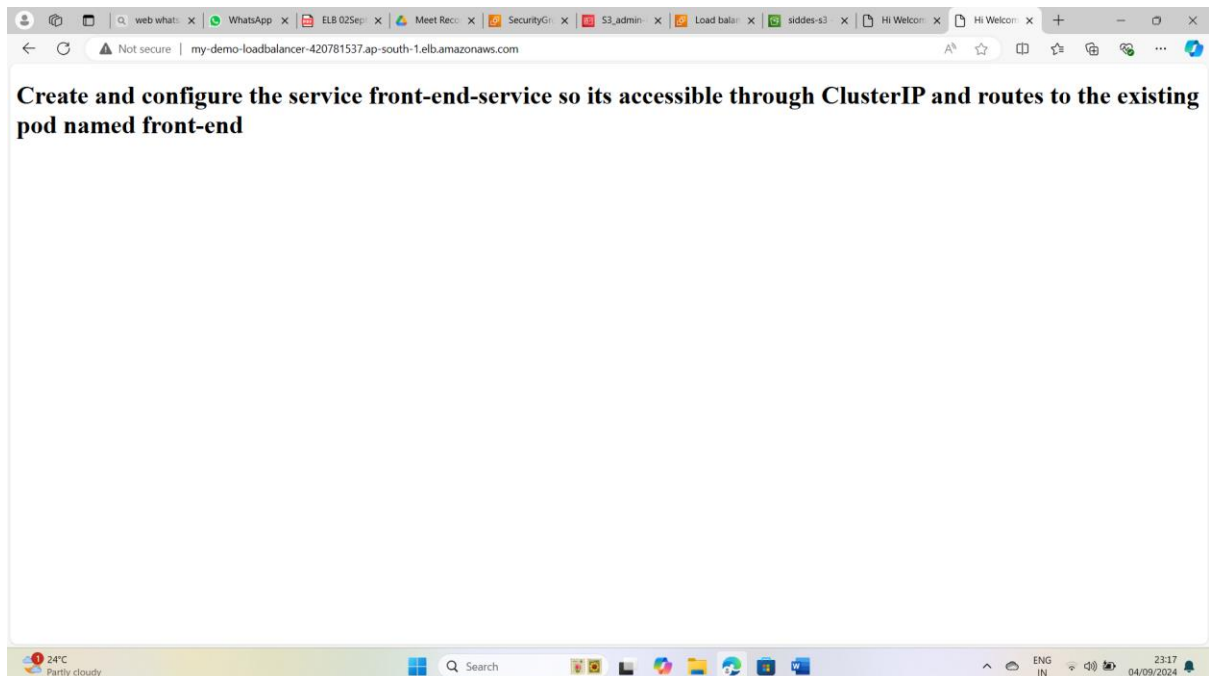
- Target instances (2):** Connection draining: On (300 seconds). Buttons: Deregister, Manage instances.
- Instances currently registered to your load balancer are displayed. To deregister instances, select them, then choose Deregister. To register and deregister instances simultaneously, choose Manage instances.**
- Filter target instances:** A search bar is provided to filter the target instances.
- Table of target instances:**

<input type="checkbox"/>	Instance ID	Name	Health status	Health status descri...	Security groups
<input type="checkbox"/>	i-0d734f30ac0077be9		In-service	Not applicable	S3_full_access
<input type="checkbox"/>	i-057d6f5ea1624f1d7	node-ap-south-2b	In-service	Not applicable	S3_full_access

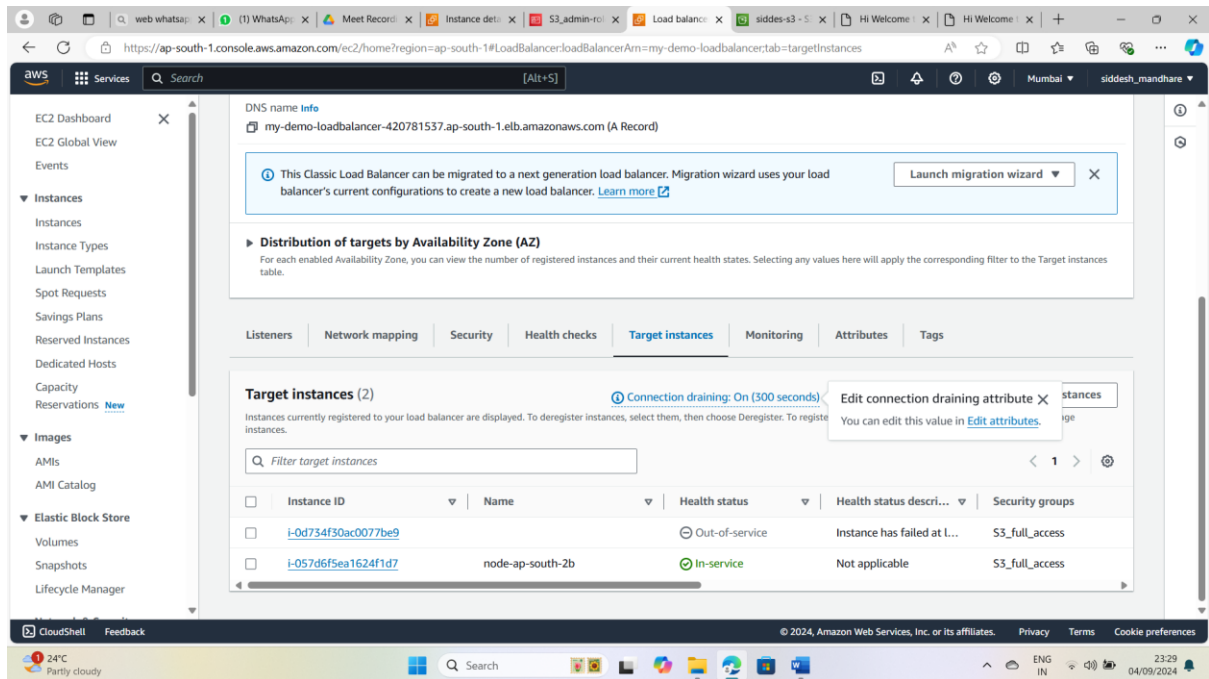
7) Copy DNS name URL and paste it into chrome browser



8) Output of index.html file



9) If we stop one instance still web server is working



10) If we stop both instances then web server is not working and we get "Instance has failed at least the unhealthy threshold number of health checks consecutively." At health check

