

TASK ON LOAD BALANCERS

1) Configure Classic Load balancer:

→ Created classic load balancer:

The screenshot shows the AWS Management Console for the 'classic-load-balancer' in the 'ap-south-1' region. The left sidebar contains navigation links for EC2, Load balancers, and Elastic Block Store. The main content area displays the 'Load balancers (1/1)' page. A table lists the load balancer 'classic-load-balancer' with details such as VPC ID, Availability Zones, and Type. Below the table, the 'Load balancer: classic-load-balancer' details are shown, including the Load balancer type (Classic), Status (0 of 0 instances in service), VPC (vpc-08197ebb402e4e1f4), Hosted zone (ZP97RAFLXTNZK), Scheme (Internet-facing), and Date created (March 6, 2025).

Name	DNS name	State	VPC ID	Availability Zones	Type	Date created
classic-load-balancer	classic-load-balancer-1968...	-	vpc-08197ebb402e4e1f4	2 Availability Zones	classic	March 6, 2025

Load balancer: classic-load-balancer

Details

Property	Value
Load balancer type	Classic
Status	0 of 0 instances in service
VPC	vpc-08197ebb402e4e1f4
Date created	March 6, 2025, 16:00 (UTC+05:30)
Scheme	Internet-facing
Hosted zone	ZP97RAFLXTNZK
Availability Zones	subnet-04c4d4326f07d7bda (ap-south-1b (aps1-az3)) subnet-07328fb1d36069bd2 (ap-south-1a (aps1-az1))

→ Created two instances with installed httpd by advance detailed options:

The screenshot shows the AWS Management Console for the 'classic-load-balancer' in the 'ap-south-1' region. The left sidebar contains navigation links for EC2, Load balancers, and Elastic Block Store. The main content area displays the 'Load balancers (1/1)' page. A table lists the load balancer 'classic-load-balancer' with details such as VPC ID, Availability Zones, and Type. Below the table, the 'Load balancer: classic-load-balancer' details are shown, including the Load balancer type (Classic), Status (0 of 0 instances in service), VPC (vpc-08197ebb402e4e1f4), Hosted zone (ZP97RAFLXTNZK), Scheme (Internet-facing), and Date created (March 6, 2025). The 'Instances currently registered to your load balancer are displayed' section shows a table with two instances: 'lb-server-1' and 'lb-server-2', both with a health status of 'In-service'.

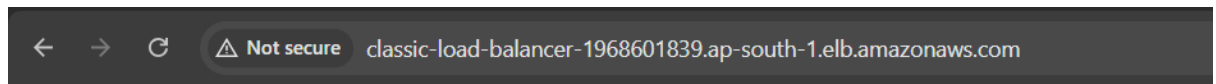
Name	DNS name	State	VPC ID	Availability Zones	Type	Date created
classic-load-balancer	classic-load-balancer-1968...	-	vpc-08197ebb402e4e1f4	2 Availability Zones	classic	March 6, 2025

Load balancer: classic-load-balancer

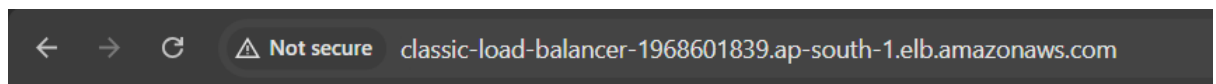
Instances currently registered to your load balancer are displayed. To deregister instances, select them, then choose Deregister. To register and deregister instances simultaneously, choose Manage instances.

Instance ID	Name	Health status	Health status description	Security groups
i-0b1465b3233cc7b53	lb-server-1	In-service	Not applicable	default
i-00dfca672334bf968	lb-server-2	In-service	Not applicable	default

→Round Robin Algorithm:



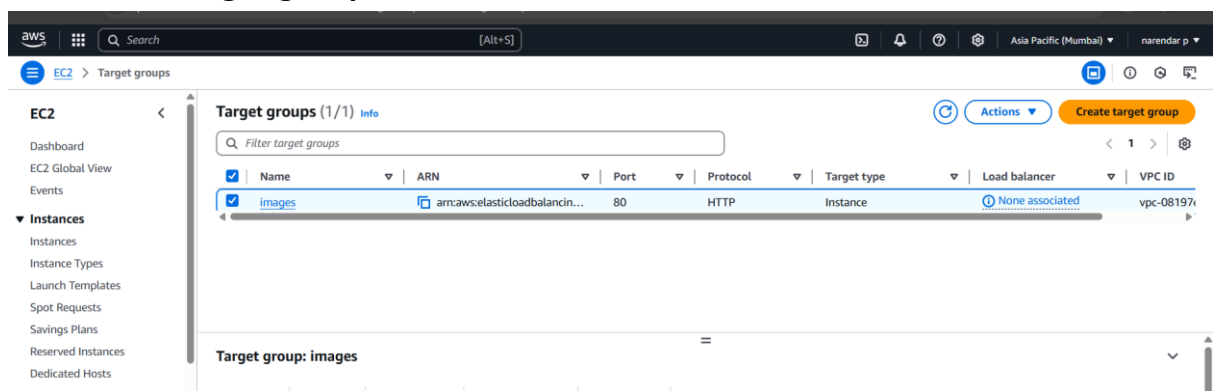
welcome to lb-server-1



welcome to lb-server-2

2) Configure Application Load balancer:

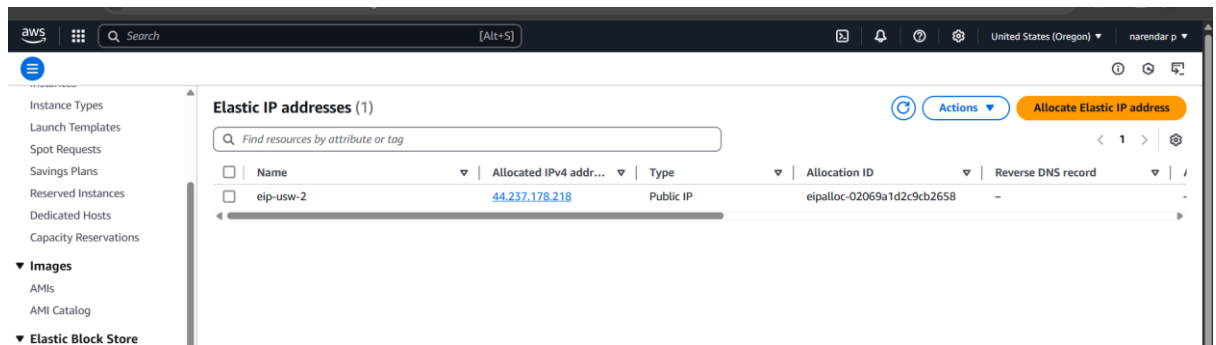
→Created Target group:



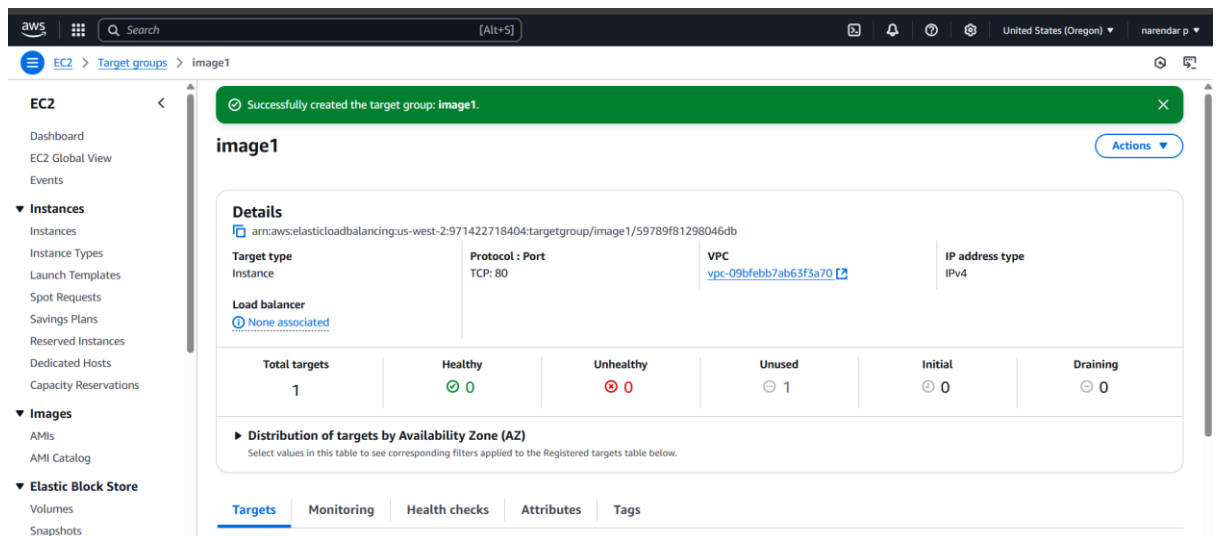
→Configured Application load balancer:

[illegible]

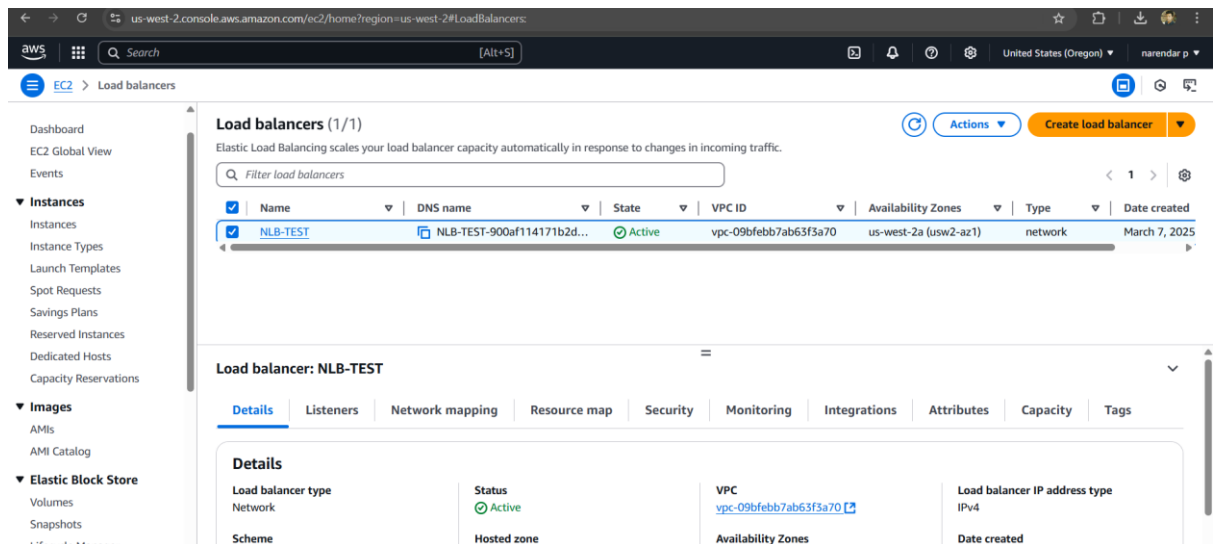
→ created an elastic ip:



→ Created target group:



→ Created network load balancer by adding elastic ip:



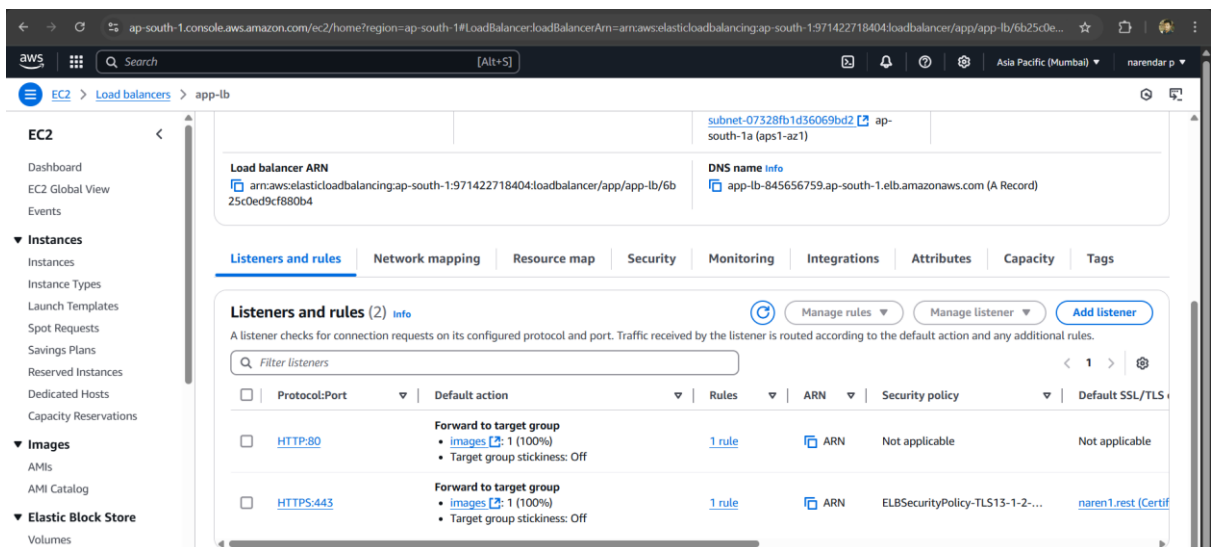
→ Displayed message after entering network load balancer DNS on browser:



→Displayed message after entering elastic ip on browser:



4) Attach SSL for application load balancer:



5)Map Application load balancer to R53:

→mapped Application load balancer to R53:

Create record [info](#)

Quick create record [Switch to wizard](#)

▼ Record 1 [Delete](#)

Record name [info](#) naren1.rest
Keep blank to create a record for the root domain.

Record type [info](#)

☒ Alias

Route traffic to [info](#)

Alias hosted zone ID: ZP97RAFLXTNZK

Routing policy [info](#)

Evaluate target health ☒ Yes

[Add another record](#)

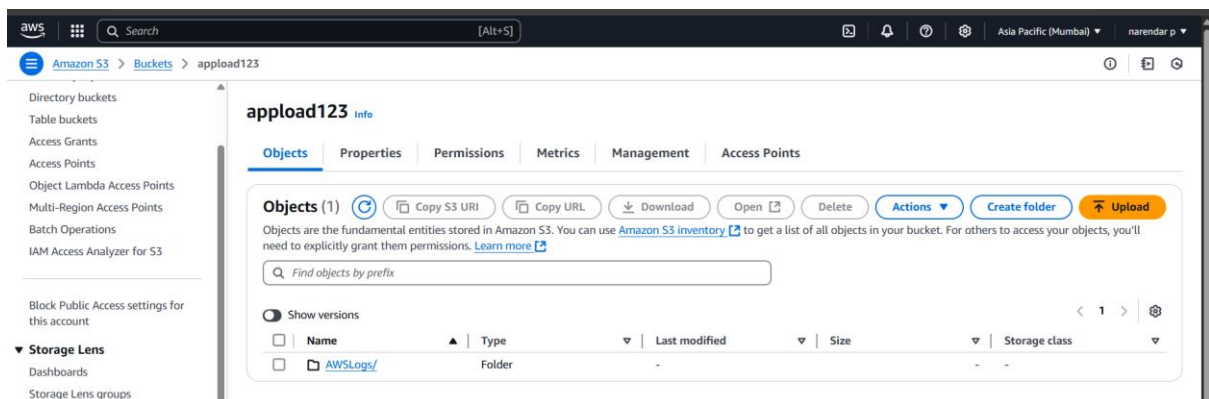
→ Access application securely through my domain name:



6) Push the application load balancer logs to s3:

→ Created bucket with bucket policy—appload123:

→ Added application load balancer logs to s3 bucket:



→Logs generated:

Amazon S3

Buckets

apload123

AWSLogs/

971422718404/

elasticloadbalancing/

ap-south-1/

2025/

03/

06/

Directory buckets

Table buckets

Access Grants

Access Points

Object Lambda Access Points

Multi-Region Access Points

Batch Operations

IAM Access Analyzer for S3

Block Public Access settings for this account

Storage Lens

Dashboards

Storage Lens groups

AWS Organizations settings

Feature spotlight 11

AWS Marketplace for S3

06/

Copy S3 URI

Objects

Properties

Objects (1)

Copy S3 URI

Copy URL

Download

Open

Delete

Actions

Create folder

Upload

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

Find objects by prefix

Show versions

<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	971422718404_elasticloadba lancing_ap-south-1_app.app- lb.6b25c0ed9cf880b4_20250 306T1435Z_35.154.56.202_u lfya4ys.log.gz	gz	March 6, 2025, 20:05:02 (UTC+05:30)	203.0 B	Standard