

## ▼ Instances

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

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AMIs

AMI Catalog

## ▼ Elastic Block Store

Volumes

Snapshots

Lifecycle Manager

## Resources

EC2 Global view



You are using the following Amazon EC2 resources in the Asia Pacific (Mumbai) Region:

<a href="#">Instances (running)</a>	0	<a href="#">Auto Scaling Groups</a>	1	<a href="#">Dedicated Hosts</a>	0
<a href="#">Elastic IPs</a>	0	<a href="#">Instances</a>	4	<a href="#">Key pairs</a>	33
<a href="#">Load balancers</a>	1	<a href="#">Placement groups</a>	0	<a href="#">Security groups</a>	50
<a href="#">Snapshots</a>	0	<a href="#">Volumes</a>	0		

## Launch instance

To get started, launch an Amazon EC2 instance, which is a virtual server in the cloud.

Launch instance

[Migrate a server](#)

Note: Your instances will launch in the Asia Pacific (Mumbai) Region

## Service health

[AWS Health Dashboard](#)

Region

Asia Pacific (Mumbai)

## Zones

Zone name

Zone ID

EC2 Free Tier [Info](#)

Offers for all AWS Regions

[View all AWS Free Tier offers](#)

## Account attributes

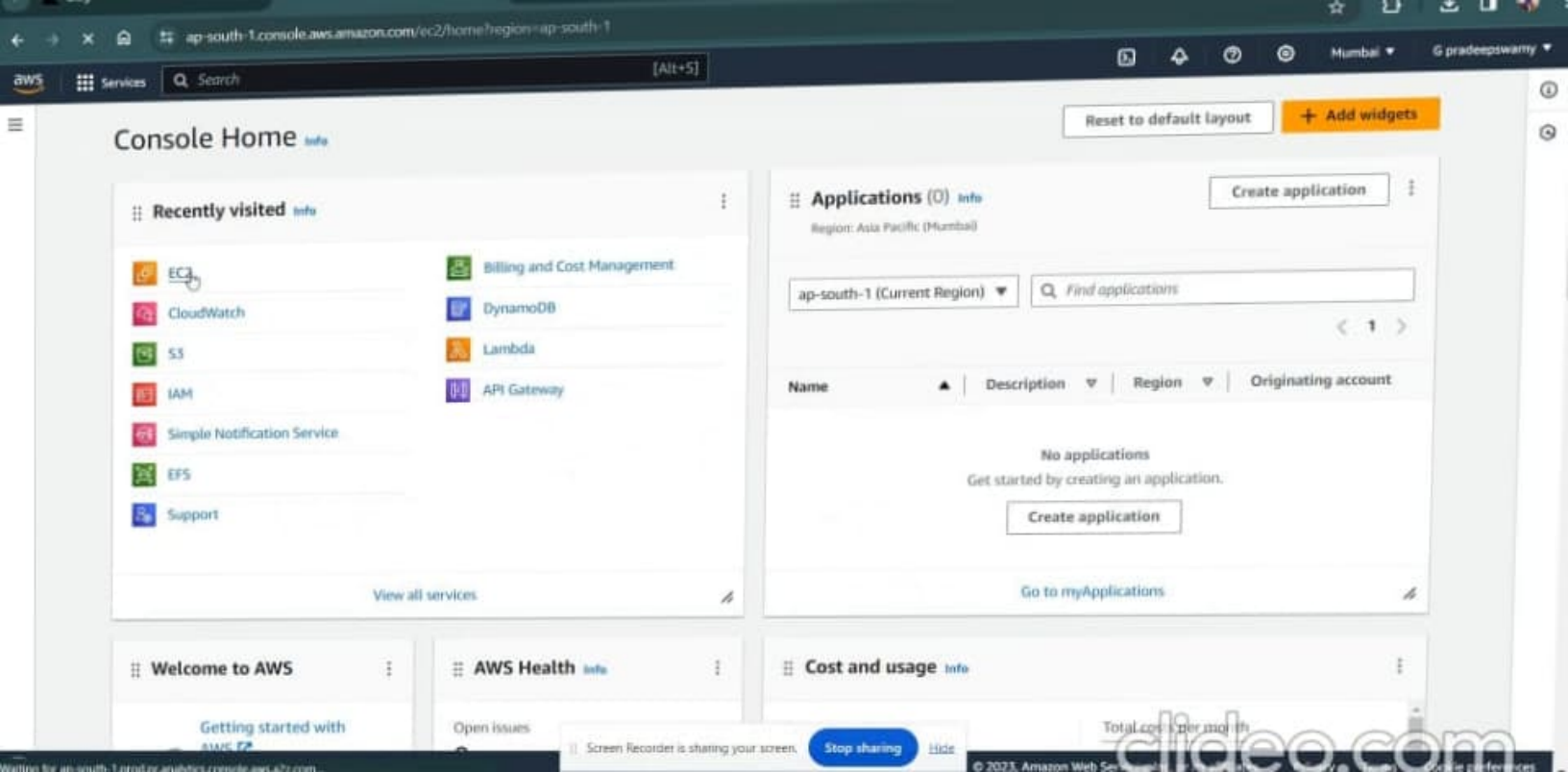


## Settings

[Data protection and security](#)[Zones](#)[EC2 Serial Console](#)[Default credit specification](#)[Console experiments](#)

## Additional information

[Getting started guide](#)[Documentation](#)



## Launch an instance [Info](#)

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

### Name and tags [Info](#)

Name

[Add additional tags](#)

### ▼ Application and OS Images (Amazon Machine Image) [Info](#)

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below.

Recents

Quick Start

### ▼ Summary

Number of instances [Info](#)

Software Image (AMI)

Amazon Linux 2023 AMI 2023.3.2 [read more](#)  
ami-0a0f1258dd1c90938

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 8 GiB

**Free tier:** In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance

Cancel

Launch instance

2

Allow tags in metadata [Info](#)

Select ▼

User data - optional [Info](#)

Upload a file with your user data or enter it in the field.

 Choose file

```
#!/bin/bash
yum update -y
yum install -y httpd

# Fetch the public IP address of the instance
PUBLIC_IP=$(ec2-metadata -o | cut -d " " -f 2)

echo "Hello, World! This instance's public IP address is: ${PUBLIC_IP}" >
/var/www/html/index.html

systemctl start httpd
systemctl enable httpd
```

☐ User data has already been base64 encodedNumber of instances [Info](#)

1

Software image (AMI)

Amazon Linux 2023 AMI 2023.3.2...[read more](#)  
ami-0a0f1253dd1c90938

Virtual server type (instance type)



t2.micro

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New security group

Storage (volumes)

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Cancel

Launch instance

[Review commands](#)

applicable, it selects a target from the target group for the rule action.

## ► How Elastic Load Balancing works

### Basic configuration

#### Load balancer name

Name must be unique within your AWS account and can't be changed after the load balancer is created.

Demo load balancer

A maximum of 32 alphanumeric characters including hyphens are allowed, but the name must not begin or end with a hyphen.

#### Scheme [Info](#)

Scheme can't be changed after the load balancer is created.

☒ Internet-facing

An Internet-facing load balancer routes requests from clients over the Internet to targets. Requires a public subnet. [Learn more](#)

☐ Internal

An internal load balancer routes requests from clients to targets using private IP addresses.

#### IP address type [Info](#)

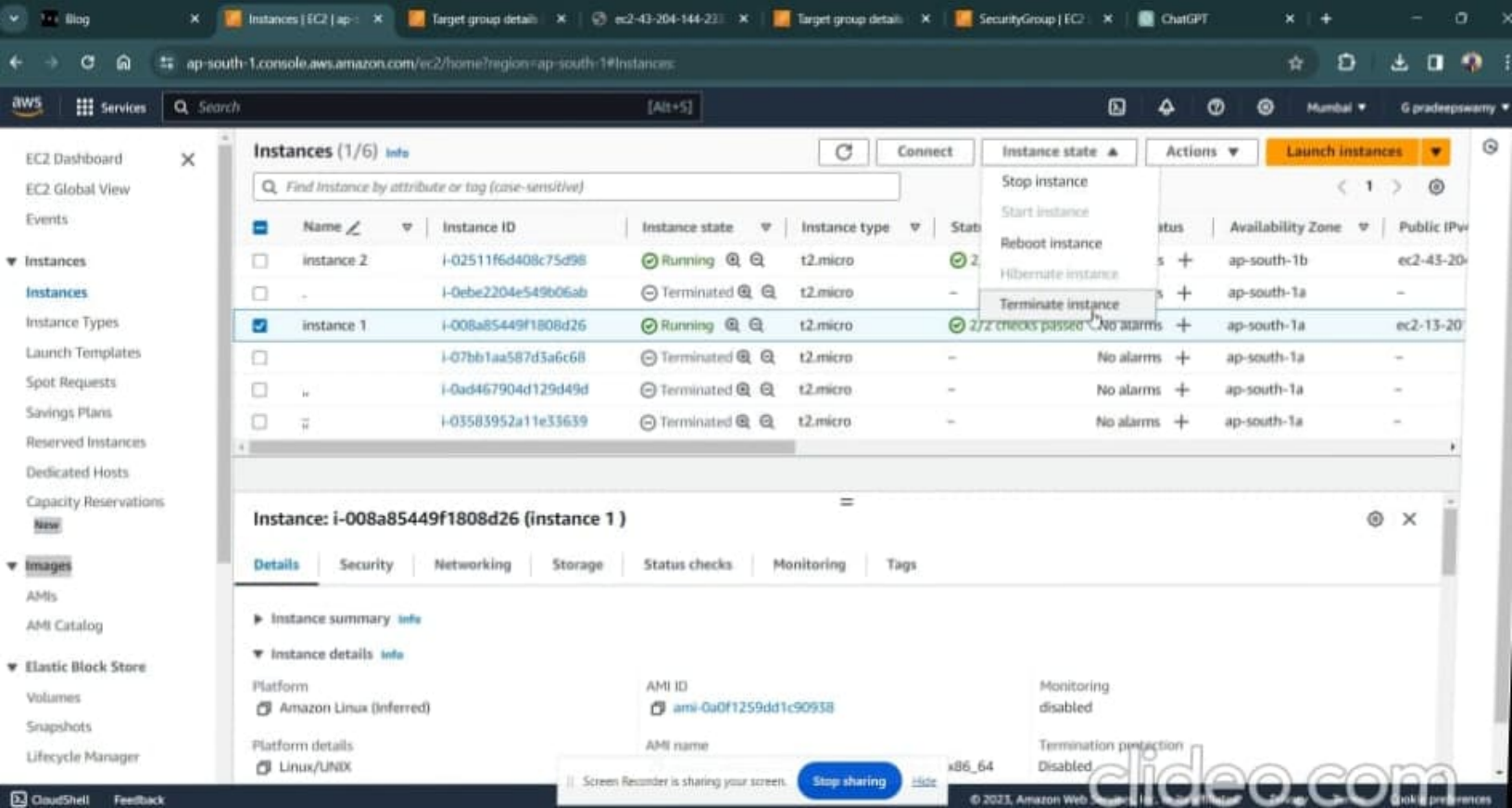
Select the type of IP addresses that your subnets use.

☒ IPv4

Recommended for internal load balancers.

☐ Dualstack

Includes IPv4 and IPv6 addresses.



## Launch an instance [Info](#)

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### ▼ Summary

Number of instances [Info](#)

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Amazon Linux 2023 AMI 2023.3.2 [read more](#)  
ami-0a0f1259dd1c90938

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 8 GiB



**Free tier:** In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance.

[Cancel](#)[Launch instance](#)



Description - required [Info](#)

launch-wizard-35 created 2023-12-25T06:51:20.570Z

### Inbound Security Group Rules

▼ Security group rule 1 (TCP: 22, 0.0.0.0/0)

Remove

Type [Info](#)

ssh

Protocol [Info](#)

TCP

Port range [Info](#)

22

Source type [Info](#)

Anywhere

Source [Info](#)

Q Add CIDR, prefix list or security

0.0.0.0/0 X

Description - optional [Info](#)

e.g. SSH for admin desktop

⚠ Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only. X

Add security group rule

► Advanced network configuration

### ▼ Configure storage [Info](#)

Advanced

### ▼ Summary

Number of instances [Info](#)

1

Software Image (AMI)

Amazon Linux 2023 AMI 2023.3.2 [read more](#)  
ami-0a0f1259ed1c90938

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t2.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 8 GiB

ⓘ Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance X

Cancel

Launch instance

Screen Recorder is sharing your screen.

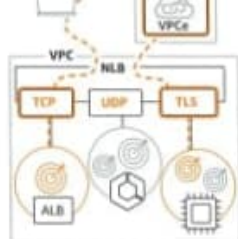
Stop sharing

Hide



Choose an Application Load Balancer when you need a flexible feature set for your applications with HTTP and HTTPS traffic. Operating at the request level, Application Load Balancers provide advanced routing and visibility features targeted at application architectures, including microservices and containers.

Create



Choose a Network Load Balancer when you need ultra-high performance, TLS offloading at scale, centralized certificate deployment, support for UDP, and static IP addresses for your applications. Operating at the connection level, Network Load Balancers are capable of handling millions of requests per second securely while maintaining ultra-low latencies.

Create



Choose a Gateway Load Balancer when you need to deploy and manage a fleet of third-party virtual appliances that support GENEVE. These appliances enable you to improve security, compliance, and policy controls.

Create

► Classic Load Balancer - previous generation

Screen Recorder is sharing your screen.

Stop sharing

Hide

## Register targets

This is an optional step to create a target group. However, to ensure that your load balancer routes traffic to this target group you must register your targets.

### Available instances (2/2)

< 1 > ⌕

<input checked="" type="checkbox"/>	Instance ID	Name	State	Security groups
<input checked="" type="checkbox"/>	i-02511f6d408c75d98	instance 2	Running	launch-wizard-35
<input checked="" type="checkbox"/>	i-00Ba85449f1808d26	instance 1	Running	launch-wizard-34

2 selected

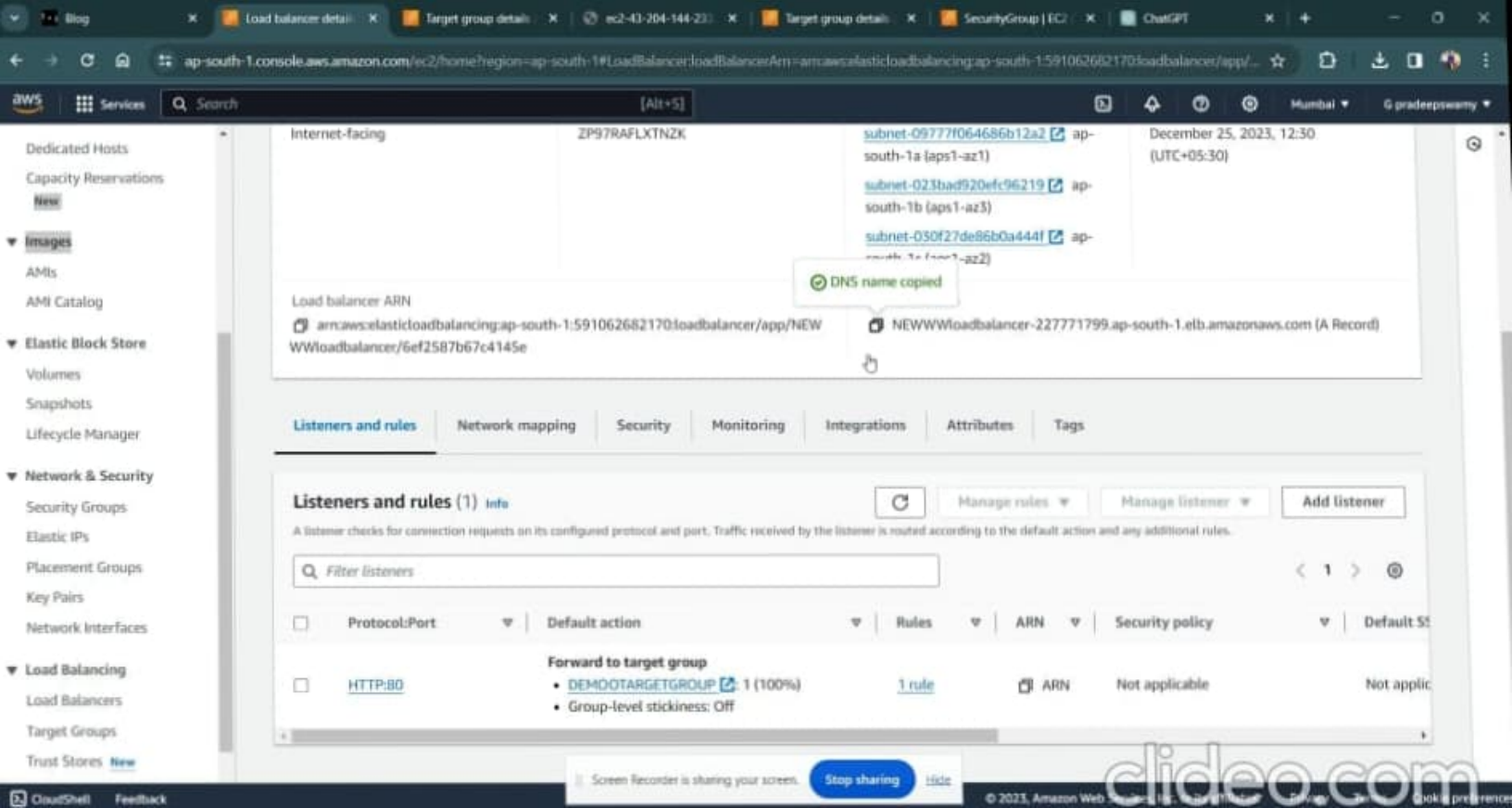
#### Ports for the selected instances

Ports for routing traffic to the selected instances.

80

1-65535 (separate multiple ports with comma)

Include as pending below



A listener is a process that checks for connection requests using the port and protocol you configure. The rules that you define for a listener determine how the load balancer routes requests to its registered targets.

▼ Listener: HTTP:80 Remove

Protocol

HTTP

Port

80

1-65535

Default action

[Info](#)

Forward to

Select a target group

[Create target group](#)

Listener tags - optional

Consider adding tags to your listener. Tags enable you to categorize your AWS resources so you can more easily manage them.

Add listener tag

You can add up to 50 more tags.

Add listener

▼ Add-on services - optional

Additional AWS services can be integrated with this load balancer at launch. You can also add these and other services after your load balancer is created by reviewing the "Integrated Services" tab for the selected load balancer.

AWS Global Accelerator

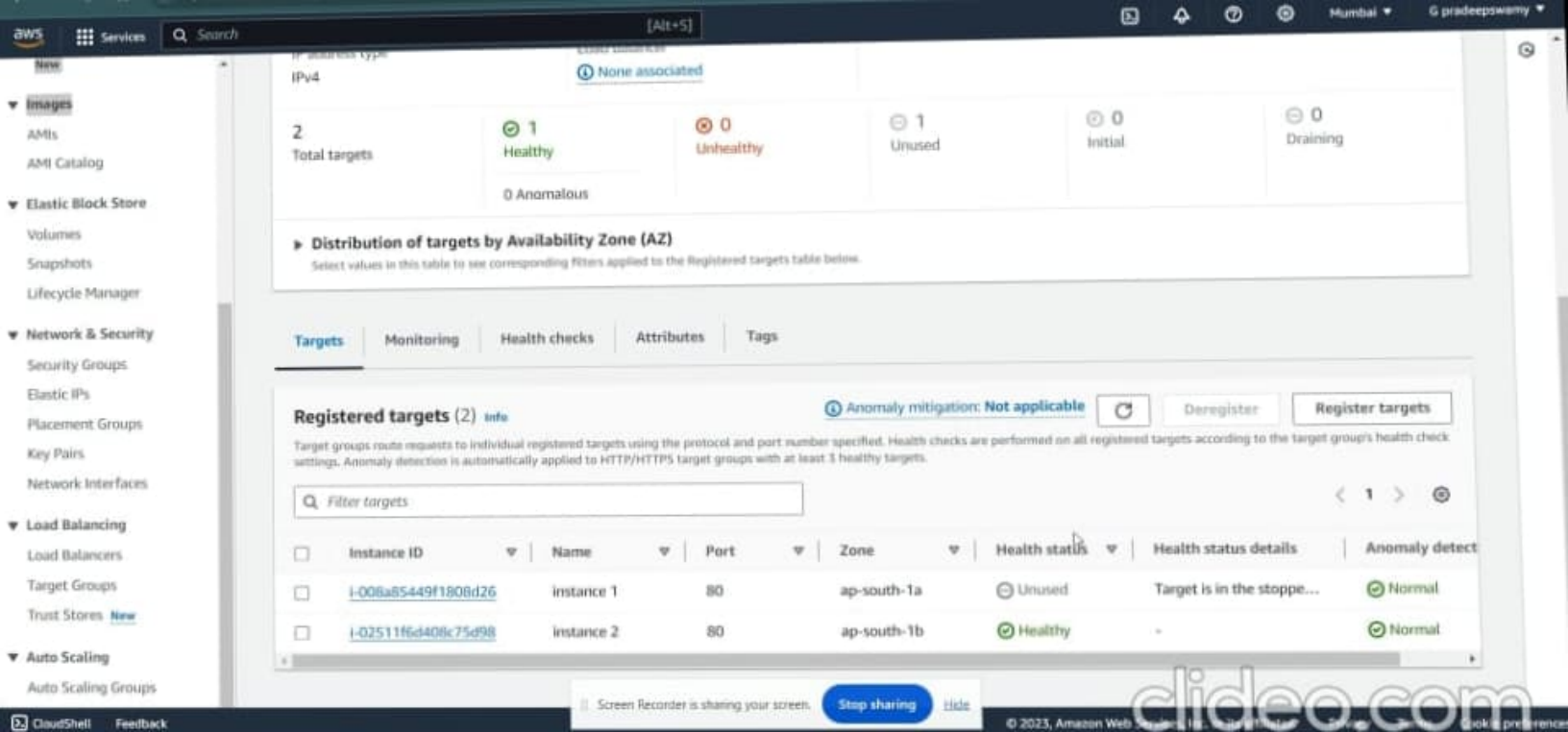
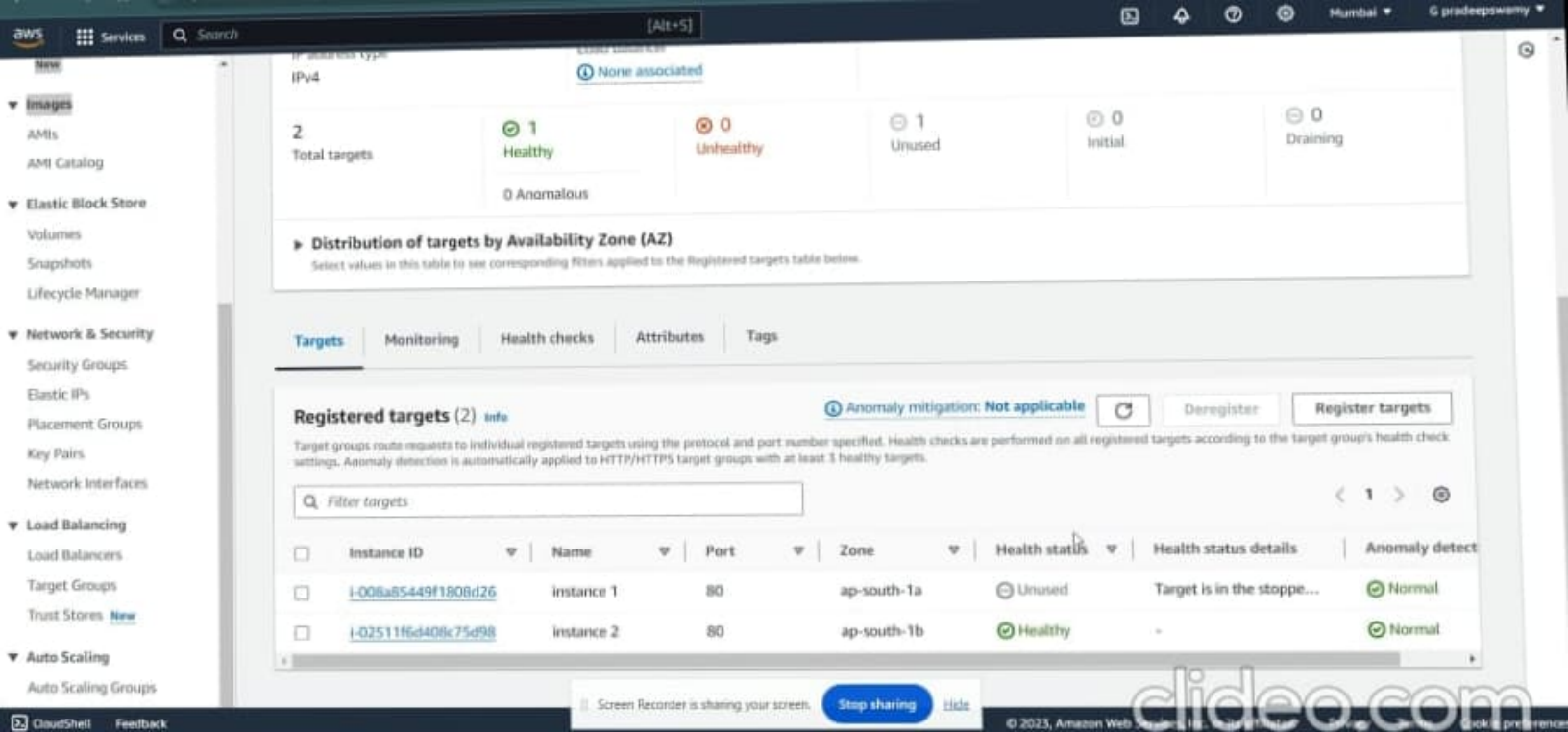
[Info](#)

☐ Create an accelerator to get static IP addresses and improve the performance of your applications.

Screen Recorder is sharing your screen.

Stop sharing

Hide



vpc-0cd008a64fde700f1

Subnet [Info](#)

No preference (Default subnet in any availability zone)

Auto-assign public IP [Info](#)

Enable

Firewall (security groups) [Info](#)

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

☒ Create security group

☐ Select existing security group

We'll create a new security group called 'launch-wizard-34' with the following rules:

☒ Allow SSH traffic from

Helps you connect to your instance

Anywhere

0.0.0.0/0

☐ Allow HTTPS traffic from the internet

To set up an endpoint, for example when creating a web server

☒ Allow HTTP traffic from the internet

To set up an endpoint, for example when creating a web server



Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.



▼ Configure storage [Info](#)

Advanced

## ▼ Summary

Number of instances [Info](#)

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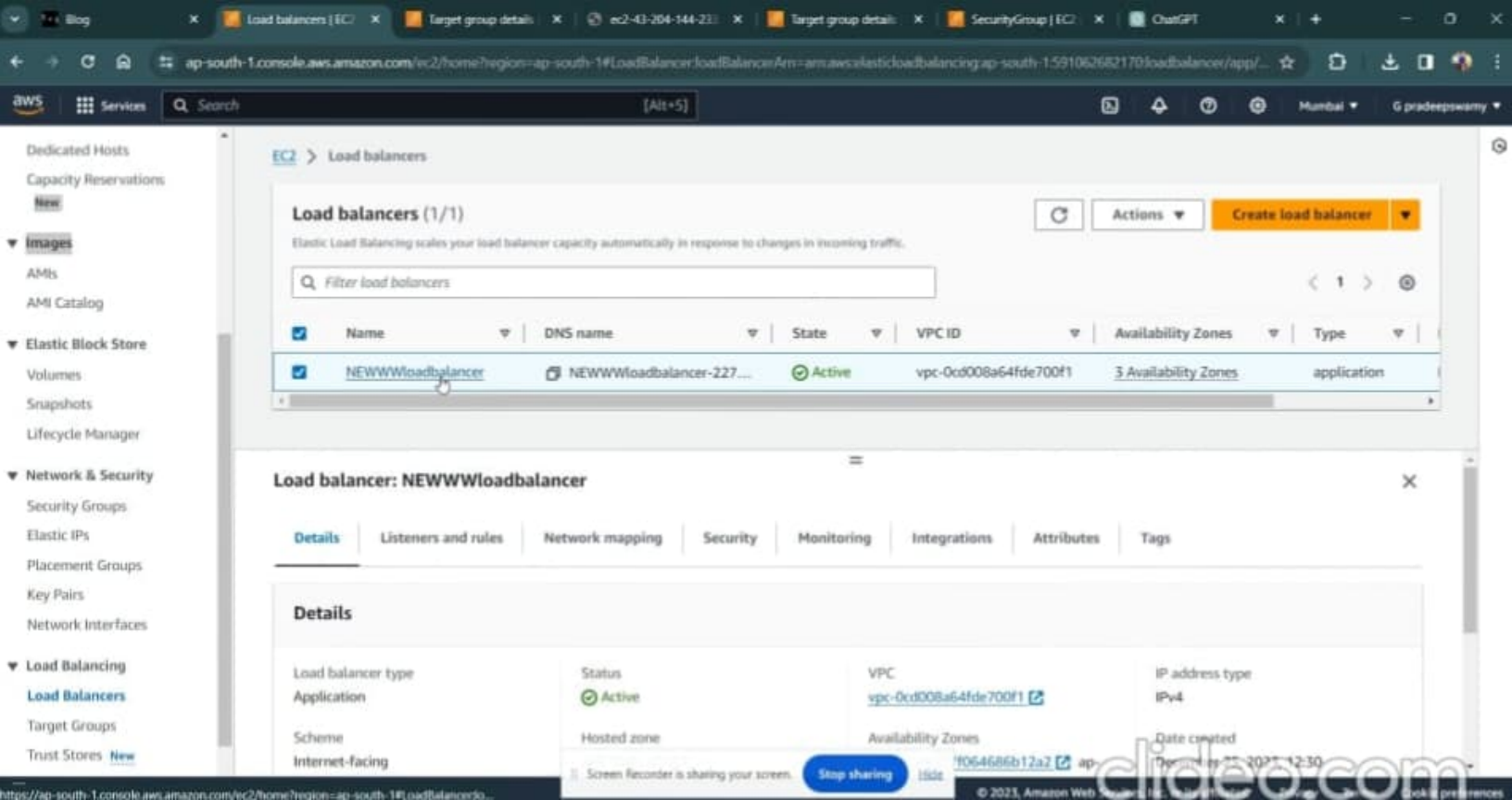
Cancel

Launch instance

Screen Recorder is sharing your screen.

Stop sharing

Hide



## Load balancers

### Load balancers (1/1)

Elastic Load Balancing scales your load balancer capacity automatically in response to changes in incoming traffic.

Filter load balancers

<input checked="" type="checkbox"/>	Name	DNS name	State	VPC ID	Availability Zones	Type
<input checked="" type="checkbox"/>	<a href="#">NEWWWloadbalancer</a>	NEWWWloadbalancer-227...	Active	vpc-0cd008a64fde700f1	3 Availability Zones	application

### Load balancer: NEWWWloadbalancer

#### Details

Load balancer type

Application

Scheme

Internet-facing

Status

Active

Hosted zone

Screen Recorder is sharing your screen.

VPC

[vpc-0cd008a64fde700f1](#)

Availability Zones

[1064686b12a2](#) ap-

IP address type

IPv4

Date created

December 27, 2023, 12:30

Stop sharing

Hide

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Hello, World! This instance's public IP address is: 172.31.36.236

Screen Recorder is sharing your screen.

Stop sharing

Hide

clideo.com

