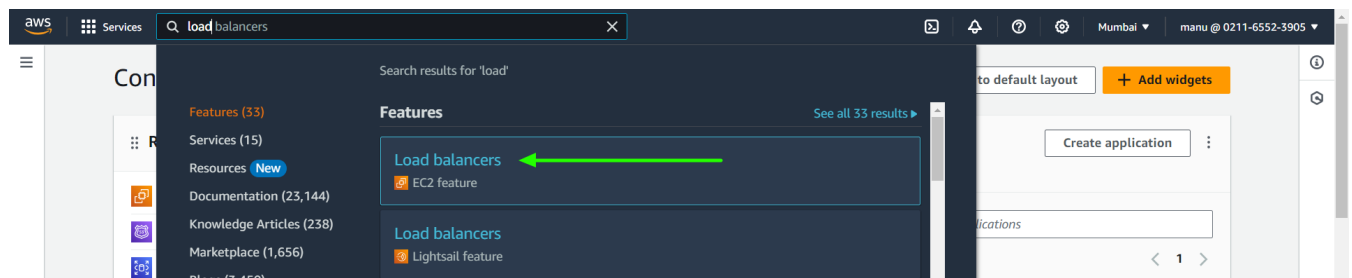


Create load balancer in AWS for Ezeelogin Cluster

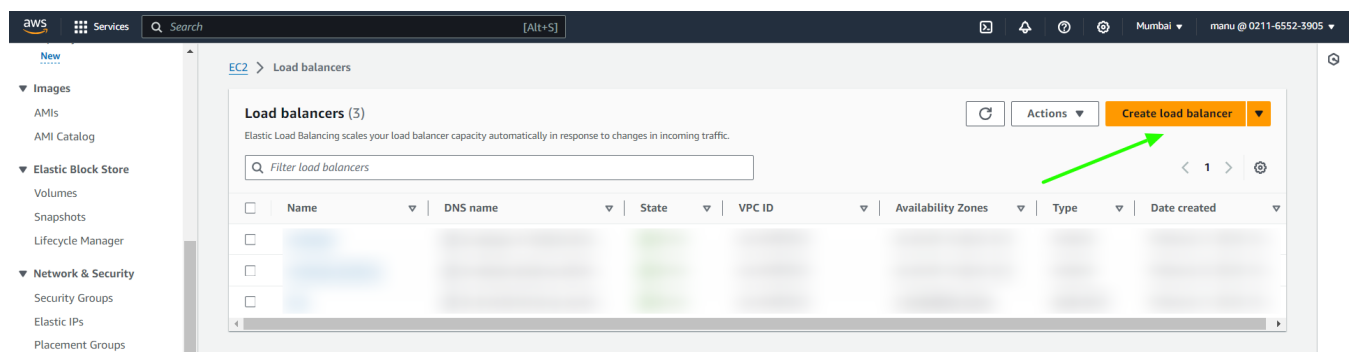
680 Nesvin KN February 22, 2024 [General](#) 202

How to create load balancer in AWS for Ezeelogin Cluster setup for HA?

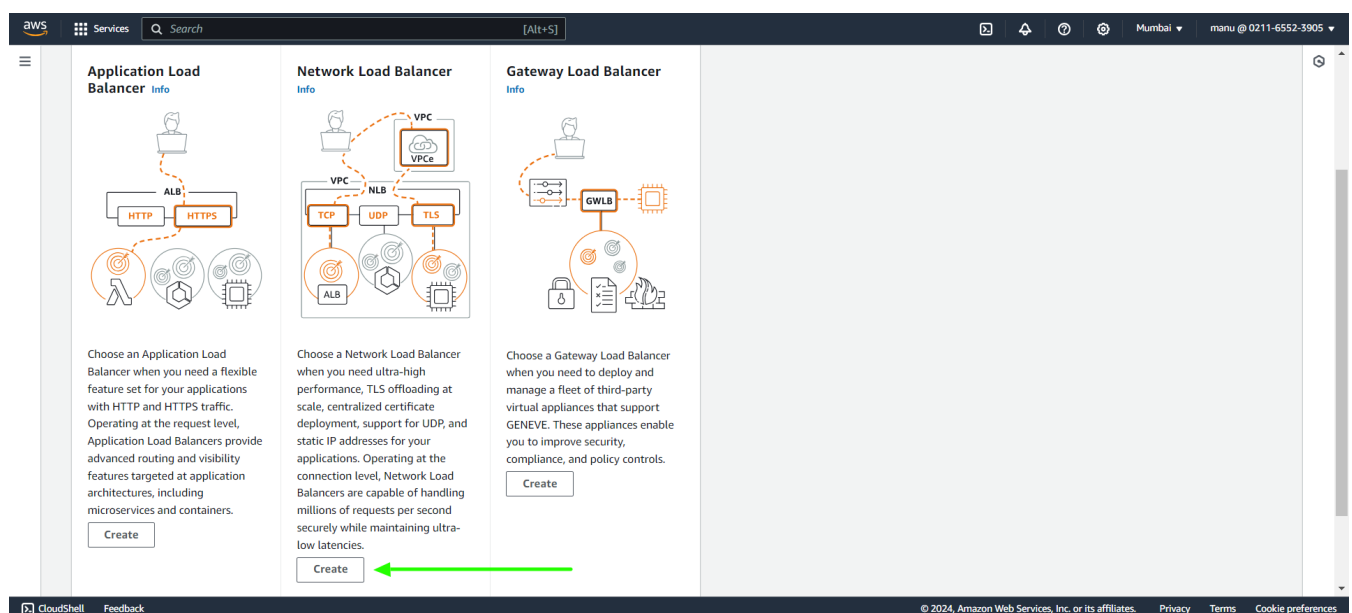
1. Login to the [AWS account](#) and search for **load balancer with EC2 feature**.



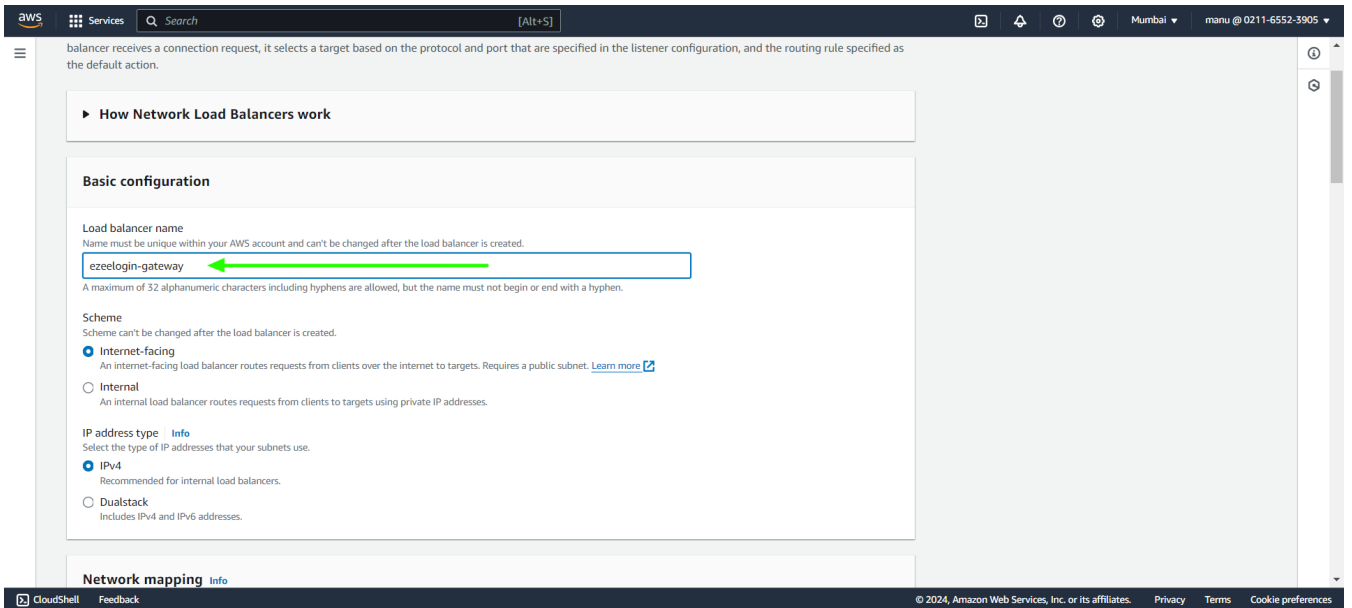
2. Create new load balancer.



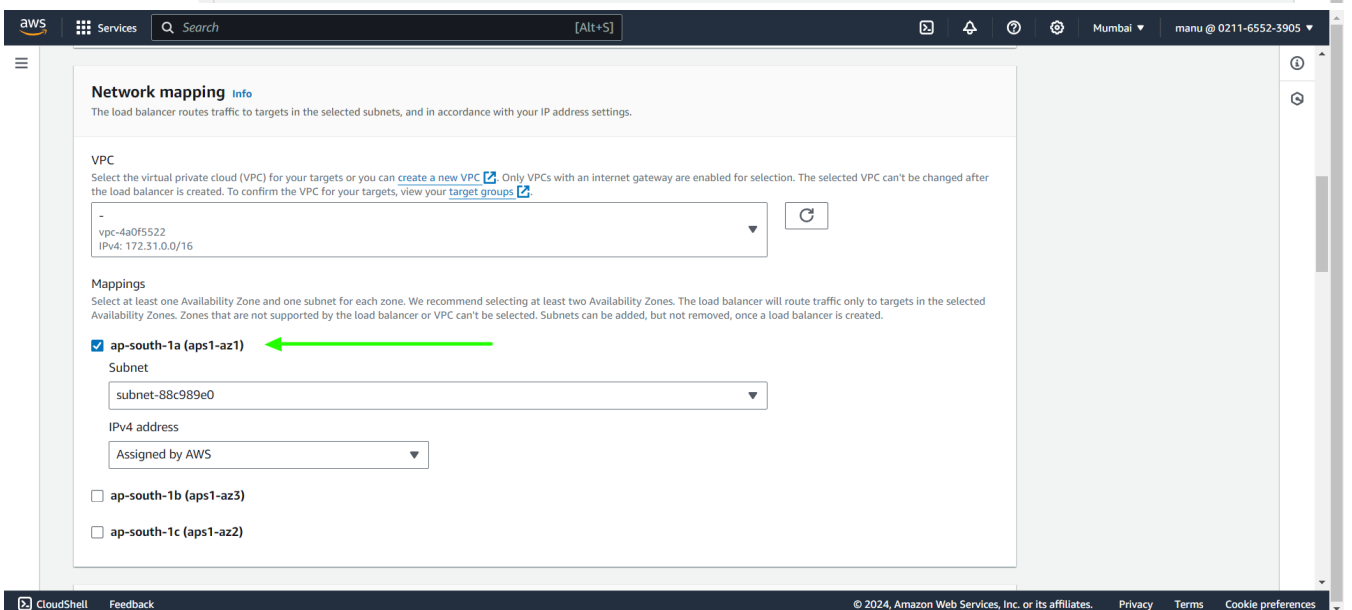
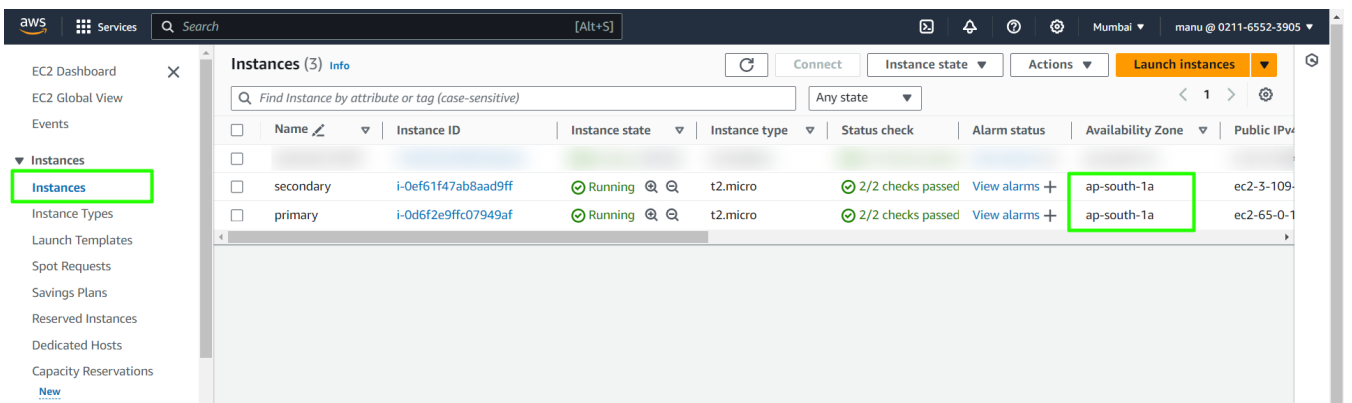
3. Create **Network Load Balancer** from the three option.



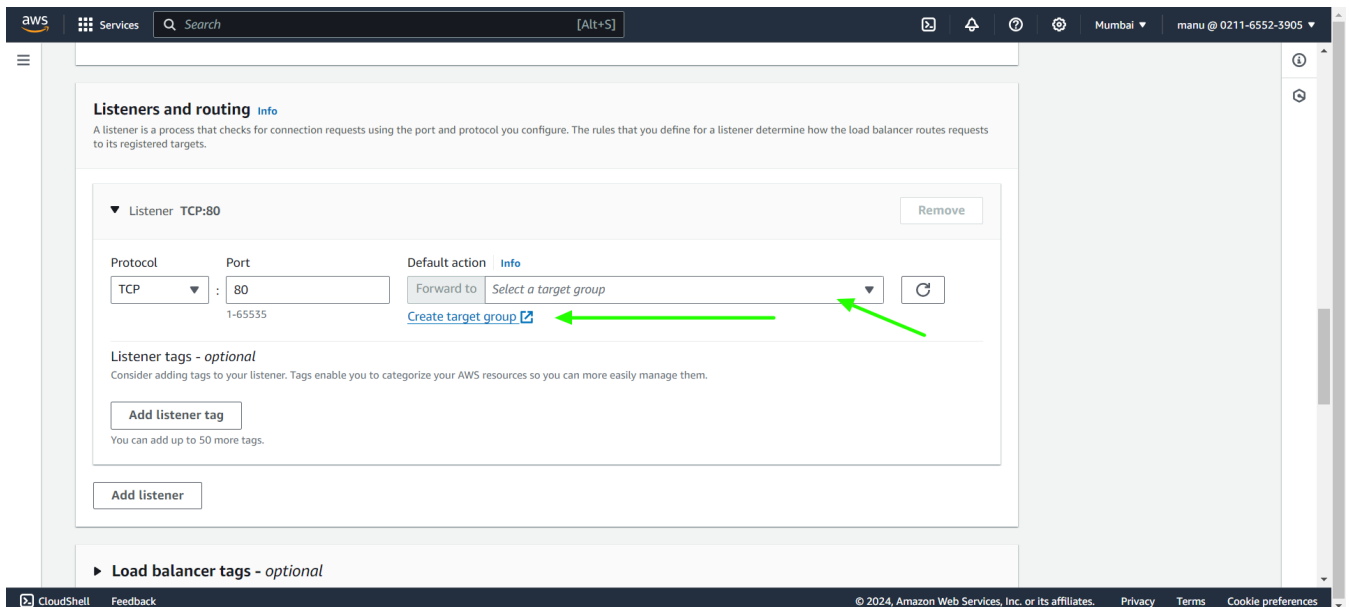
4. In the basic configuration provide **load balancer name**.



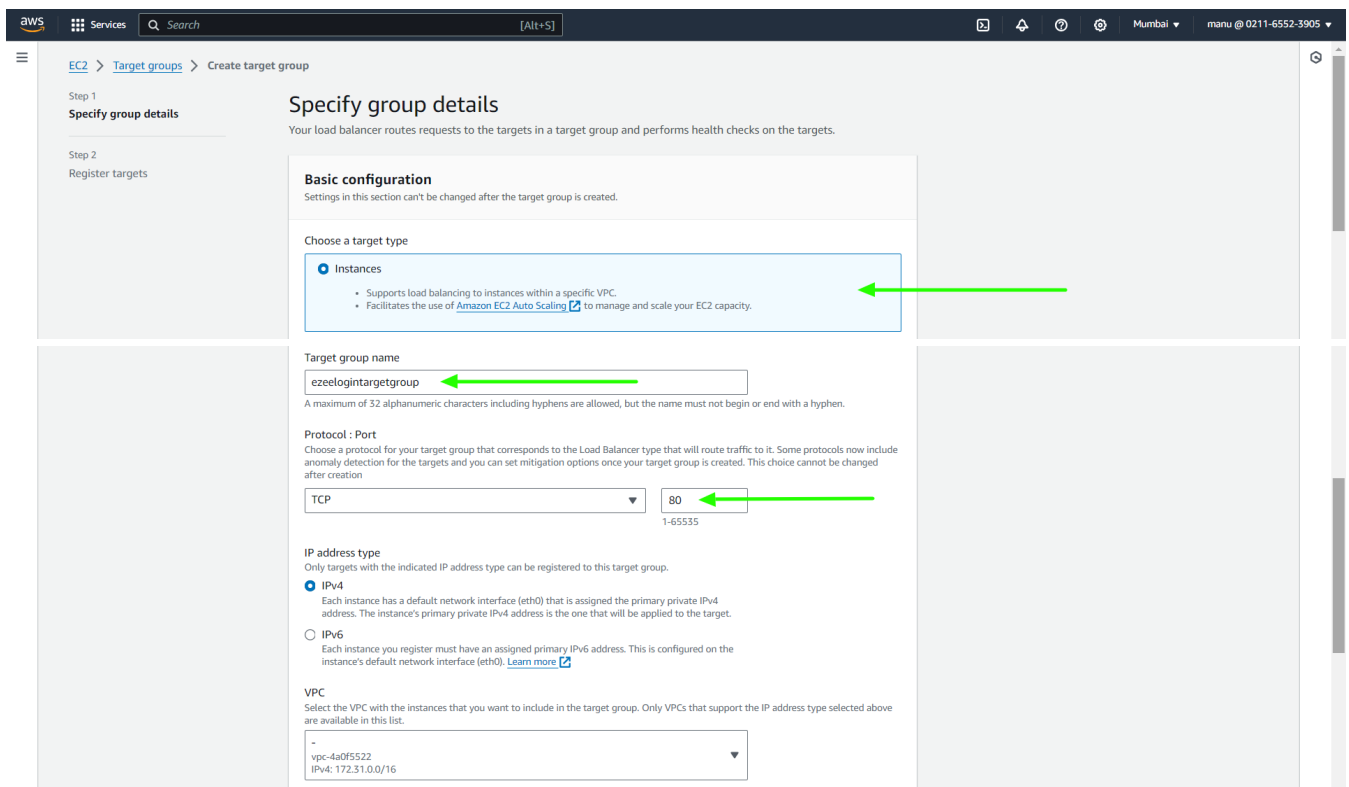
5. Click on **instance tab** with **another browser tab** and check for the **availability zone** of the both **primary** and **secondary**.



6. Create target group using the link below **Default action**.



a) In **basic configuration** select **Instances**, provide a **group name** and **specify port number**.



b) In **Health checks** select **protocol** from drop down option and click on next.

Health checks
The associated load balancer periodically sends requests, per the settings below, to the registered targets to test their status.

Health check protocol
HTTP

Health check path
Use the default path of "/" to perform health checks on the root, or specify a custom path if preferred.
/
Up to 1024 characters allowed.

► Advanced health check settings

Attributes

ⓘ Certain default attributes will be applied to your target group. You can view and edit them after creating the target group.

► Tags - optional
Consider adding tags to your target group. Tags enable you to categorize your AWS resources so you can more easily manage them.

Cancel **Next**

c) Select both the primary and secondary instances and click on **Include as pending below** and create target group.

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 (2/3)

	Instance ID	Name	State	Security groups	Zone
<input checked="" type="checkbox"/>	i-Def61f47ab8aad9ff	secondary	Running	launch-wizard-190	ap-south-1a
<input checked="" type="checkbox"/>	i-0d6f2e9ffc07949af	primary	Running	launch-wizard-189	ap-south-1a

2 selected

Ports for the selected instances
Ports for routing traffic to the selected instances.
80
1-65535 (separate multiple ports with commas)

Include as pending below

7. Click on **refresh icon** and select the **new target group name**. Create **new listeners** if you need to map more ports and scroll down to the bottom and click on **create load balancer**.

Listeners and routing Info

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 TCP:80

Remove

Protocol

TCP

Port

80

1-65535

Default action

Forward to

ezeelogintargetgroup

TCP

Info

Target type: Instance, IPv4

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

8. In the load balancer click on the **Listeners** tab and click on target group name.

EC2 > Load balancers > ezeelogin-gateway

ezeelogin-gateway

Details

Load balancer type Network	Status Provisioning	VPC vpc-4a0f5522	IP address type IPv4
Scheme Internet-facing	Hosted zone ZVDDRQ08TROA	Availability Zones subnet-88c989e0 ap-south-1a (aps1-az1)	Date created February 22, 2024, 10:46 (UTC+05:30)
Load balancer ARN arn:aws:elasticloadbalancing:ap-south-1:021165523905:loadbalancer/net/ezeelogin-gateway/a8c445317e016fd2		DNS name ezeelogin-gateway-a8c445317e016fd2.elb.ap-south-1.amazonaws.com (A Record)	

Listeners | Network mapping | Security | Monitoring | Integrations | Attributes | Tags

Listeners (1)

A listener checks for connection requests using the protocol and port that you configure. Traffic received by a Network Load Balancer listener is forwarded to the selected target group.

Protocol:Port	Default action	ARN	Security policy	Default SSL/TLS certificate	ALPN policy	Tags
TCP:80	Forward to target group ezeelogintargetgroup	ARN	Not applicable	Not applicable	None	0 tags

9. In target groups click on **Attributes** and then edit attributes.

EC2 > Target groups > ezeelogintargetgroup

ezeelogintargetgroup

Details

[arn:aws:elasticloadbalancing:ap-south-1:021165523905:targetgroup/ezeelogintargetgroup/dd3dbb6512502208](#)

Target type Instance	Protocol : Port TCP: 80	VPC vpc-4a0f5522	IP address type IPv4
Load balancer ezeelogin-gateway			

Total targets 2	Healthy 2	Unhealthy 0	Unused 0	Initial 0	Draining 0
--------------------	--------------	----------------	-------------	--------------	---------------

Distribution of targets by Availability Zone (AZ)

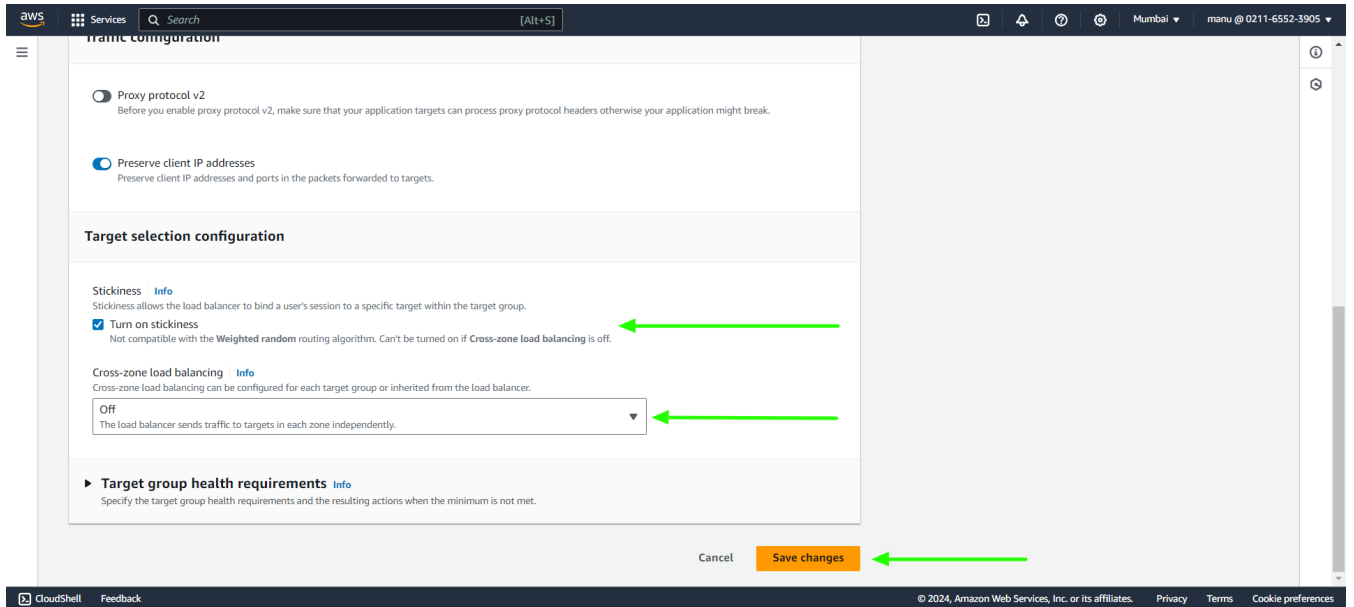
Select values in this table to see corresponding filters applied to the Registered targets table below.

Attributes | Targets | Monitoring | Health checks | Tags

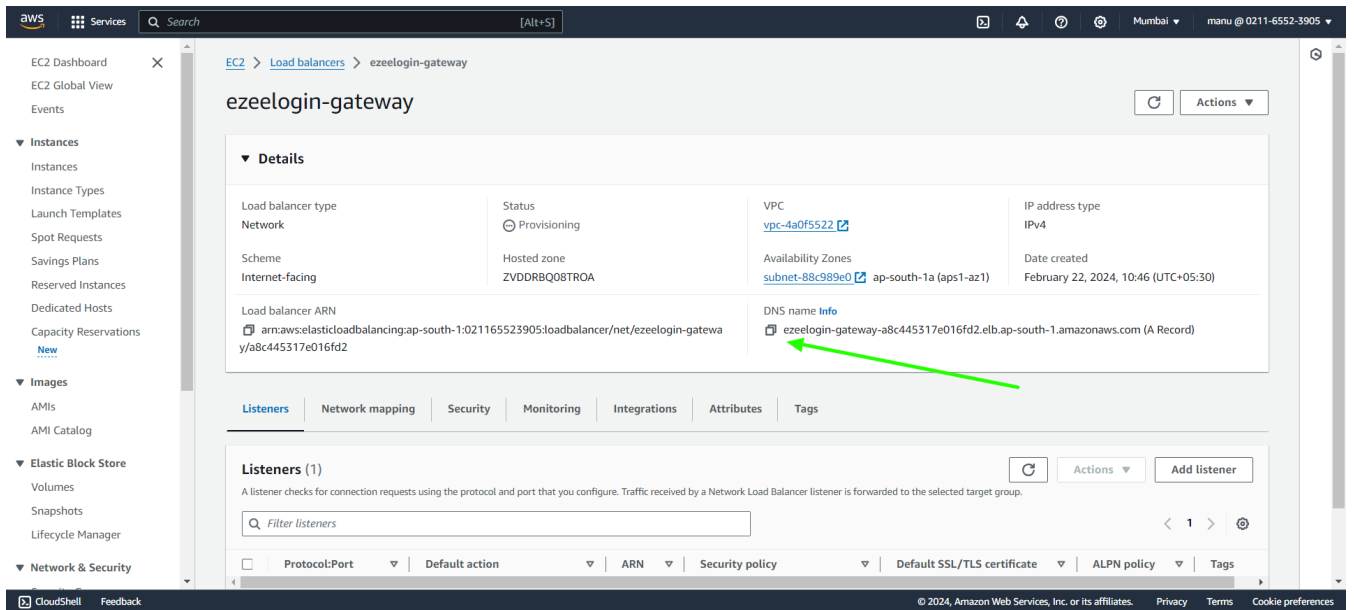
Attributes

Edit

10. Enable stickiness and Cross-zone load balancing to off and save changes.



11. In the load balancers, copy the DNS name and access the link with a browser. It will direct to the primary or secondary node based on the server load.



Online URL:

<https://www.ezeelogin.com/kb/article/create-load-balancer-in-aws-for-ezeelogin-cluster-680.html>