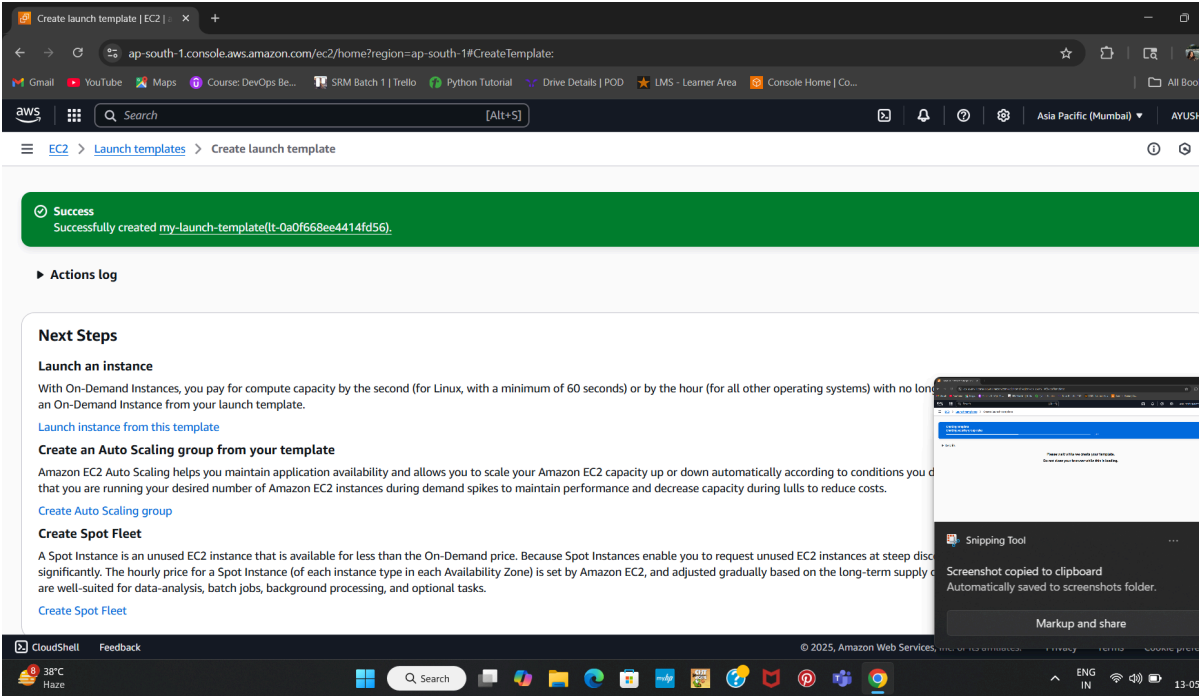


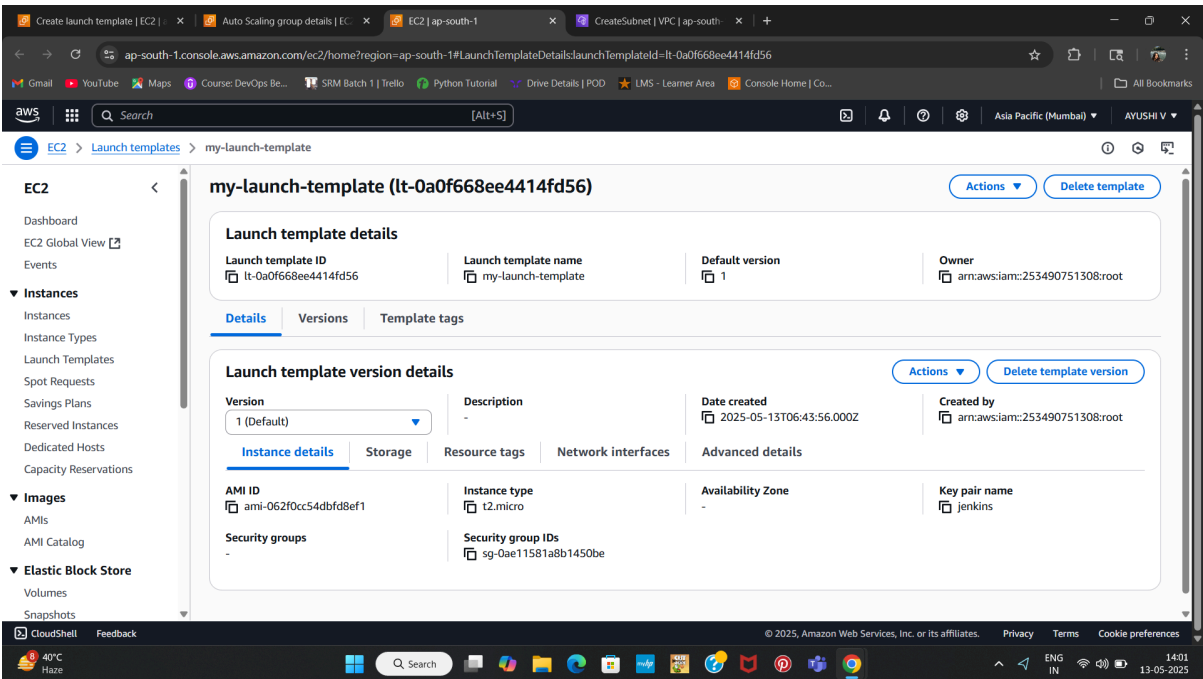
SCREENSHOTS OF ASSIGNMENT 1,2,3

Task1: Setting up Path-based Routing in AWS Application Gateway

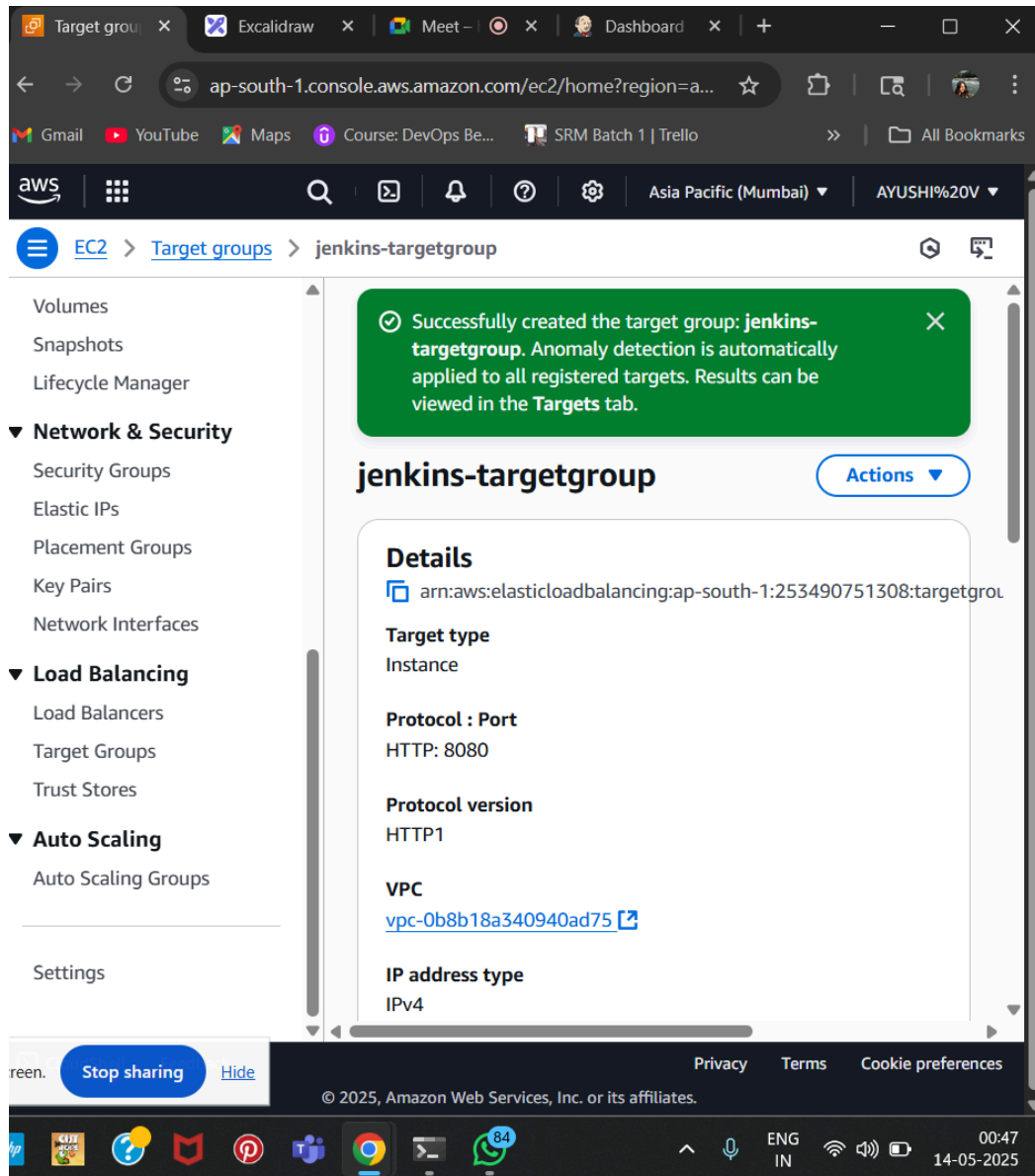
Task 2: Configuring Auto scaling group



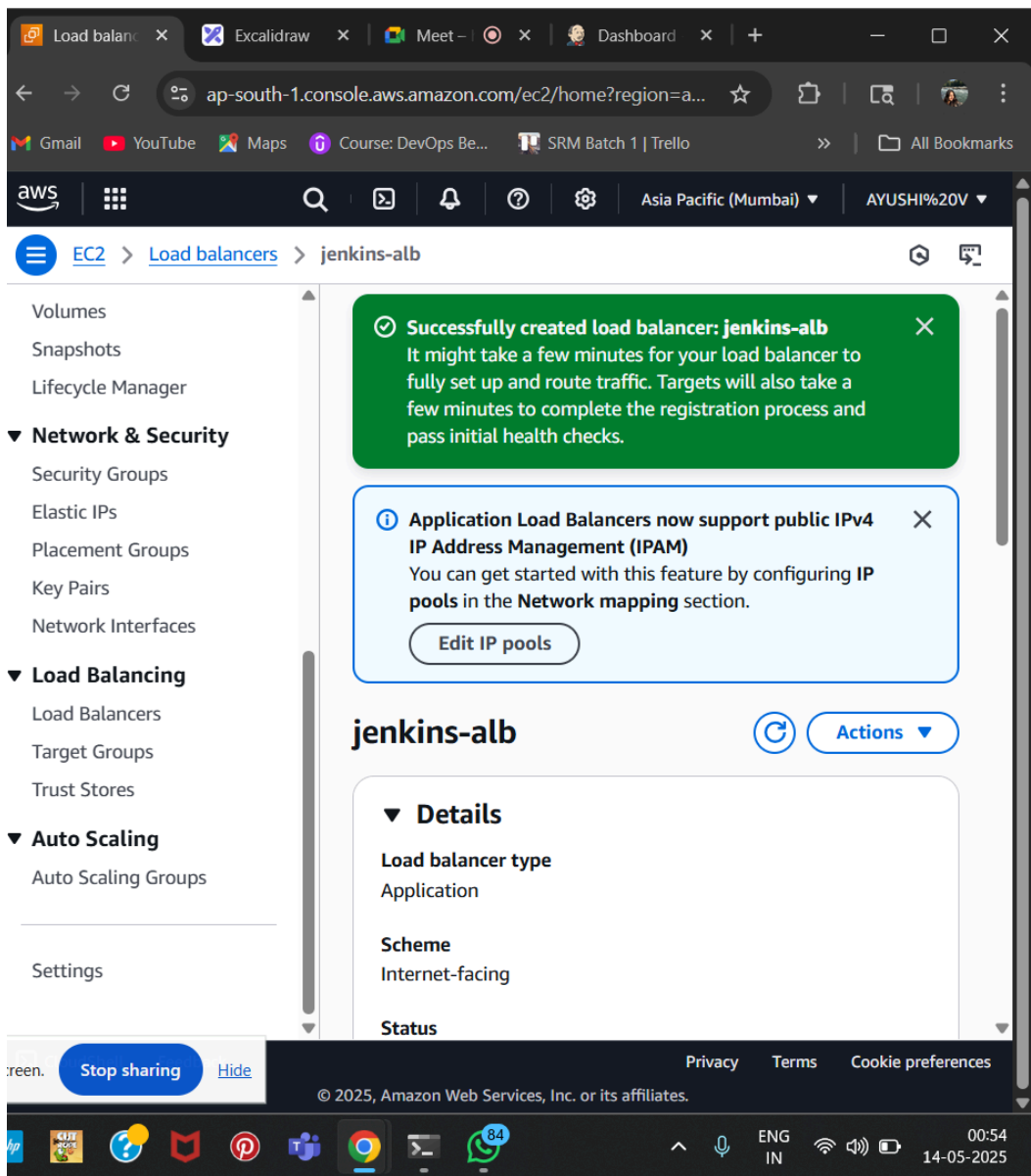
Launched templates



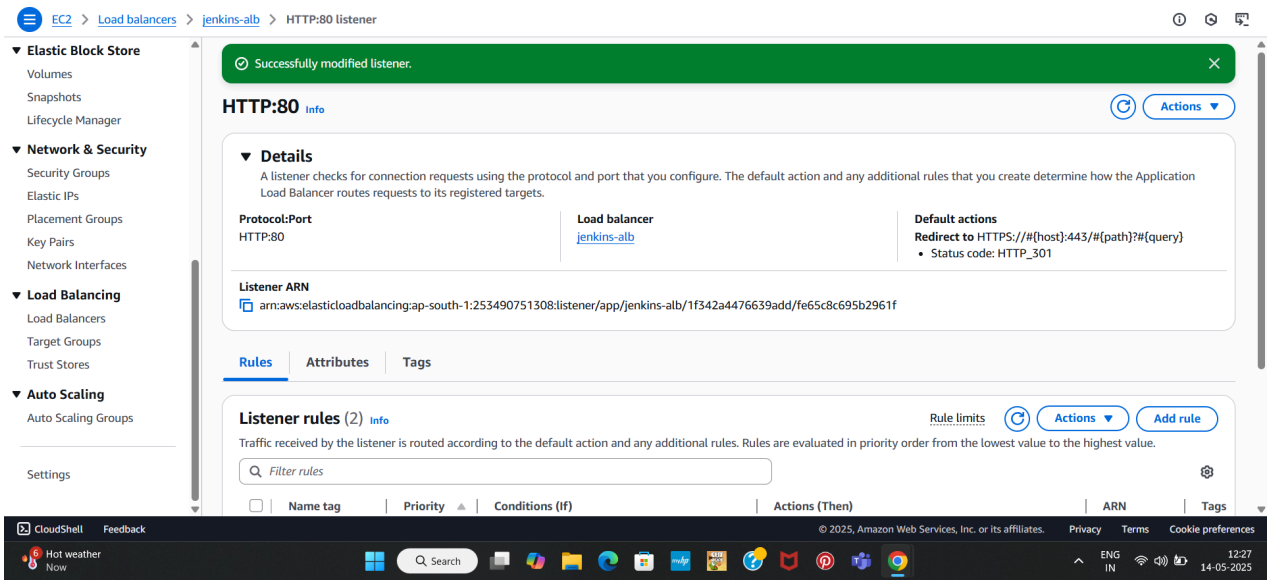
Created target groups



Created Load balancers



Added Listeners



Target Groups

Target groups | EC2 | ap-south-1

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#TargetGroups:sort=descvpclid

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EC2 > Target groups

▼ Elastic Block Store

Volumes

Snapshots

Lifecycle Manager

▼ Network & Security

Security Groups

Elastic IPs

Placement Groups

Key Pairs

Network Interfaces

▼ Load Balancing

Load Balancers

Target Groups

Trust Stores

▼ Auto Scaling

Auto Scaling Groups

Settings

Target groups (1/2) Info

Filter target groups

| | Name | ARN | Port | Protocol | Target type | Load balancer | VPC ID |
|-------------------------------------|-------------------------|---|------|----------|-------------|-------------------------|-------------|
| <input checked="" type="checkbox"/> | jenkins-targetgroup | arn:aws:elasticloadbalancing:ap-south-1:11721210005:targetgroup/jenkins-targetgroup/vpc-0b8l... | 8080 | HTTP | Instance | jenkins-alb | vpc-0b8l... |
| <input type="checkbox"/> | my-auto-scaling-group-1 | arn:aws:elasticloadbalancing:ap-south-1:11721210005:targetgroup/my-auto-scaling-group-1/vpc-0b8l... | 80 | HTTP | Instance | my-auto-scaling-group-1 | vpc-0b8l... |

Target group: jenkins-targetgroup

Details

Targets

Monitoring

Health checks

Attributes

Tags

Health check settings

Protocol

HTTP

Path

/

Port

Traffic port

Healthy threshold

5 consecutive health check successes

Unhealthy threshold

2 consecutive health check failures

Timeout

5 seconds

Interval

30 seconds

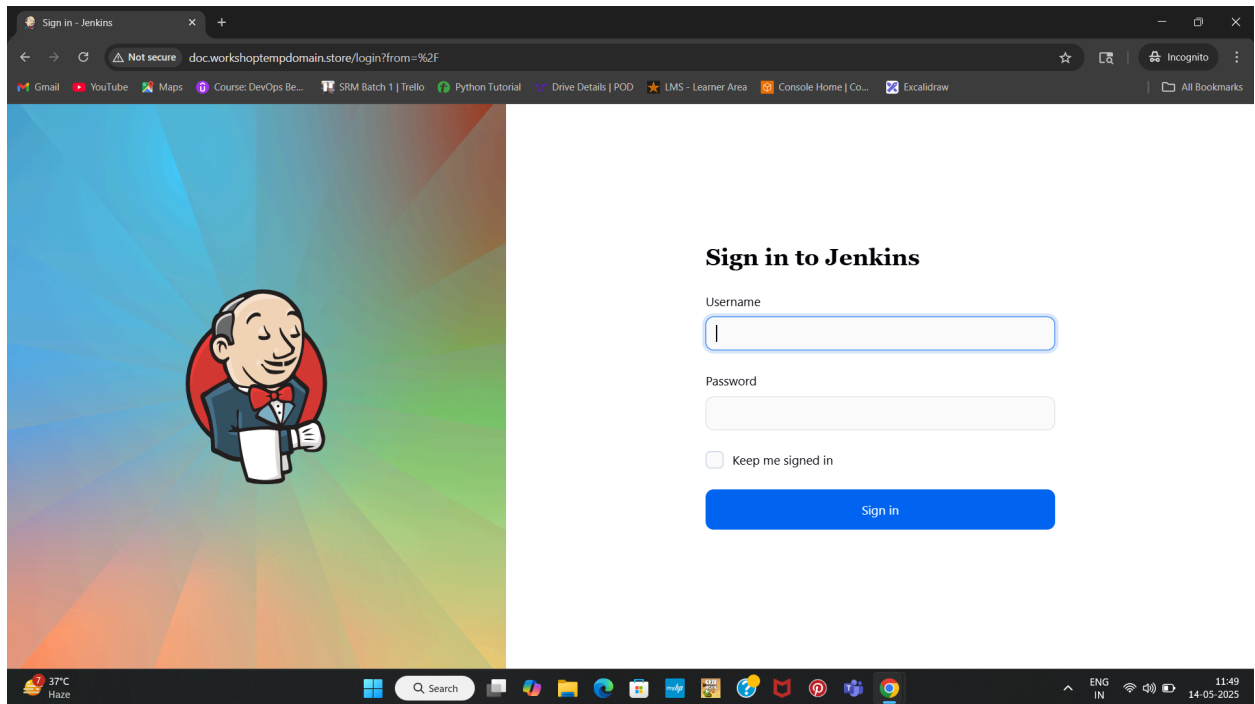
Success codes

200

Edit

TASK 3: ROUTING WITH ROUTE 53

Followed the whole process of hosting jenkins on a domain we purchased from name cheap website .
Domain name was workshoptempdomain.store



4 of us friends shared the same domain and routed it in our respective consoles.

Issued the HTTPS certificate also for making website secured.

aws

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AWS Certificate Manager

Certificates

ee1a708b-3e59-4b27-964c-255893f1bf2f

AWS Certificate Manager (ACM)

<

List certificates

Request certificate

Import certificate

AWS Private CA

ee1a708b-3e59-4b27-964c-255893f1bf2f

Delete

Certificate status

Identifier

ee1a708b-3e59-4b27-964c-255893f1bf2f

Status

Issued

ARN

arn:aws:acm:ap-south-1:253490751308:certificate/ee1a708b-3e59-4b27-964c-255893f1bf2f

Type

Amazon Issued

Domains (2)

Create records in Route 53

Export to CSV

< 1 >

| Domain | Status | Renewal status | Type | CNAME name |
|---------------------------|---------|----------------|-------|--|
| workshoptempdomain.store | Success | - | CNAME | _462302fcc0d6fb6116e8198954f2ba36.worksho main.store. |
| *workshoentmodomain.store | Success | - | CNAME | 462302fcc0d6fb6116e8198954f2ba36.worksho |

CloudShell

Feedback

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