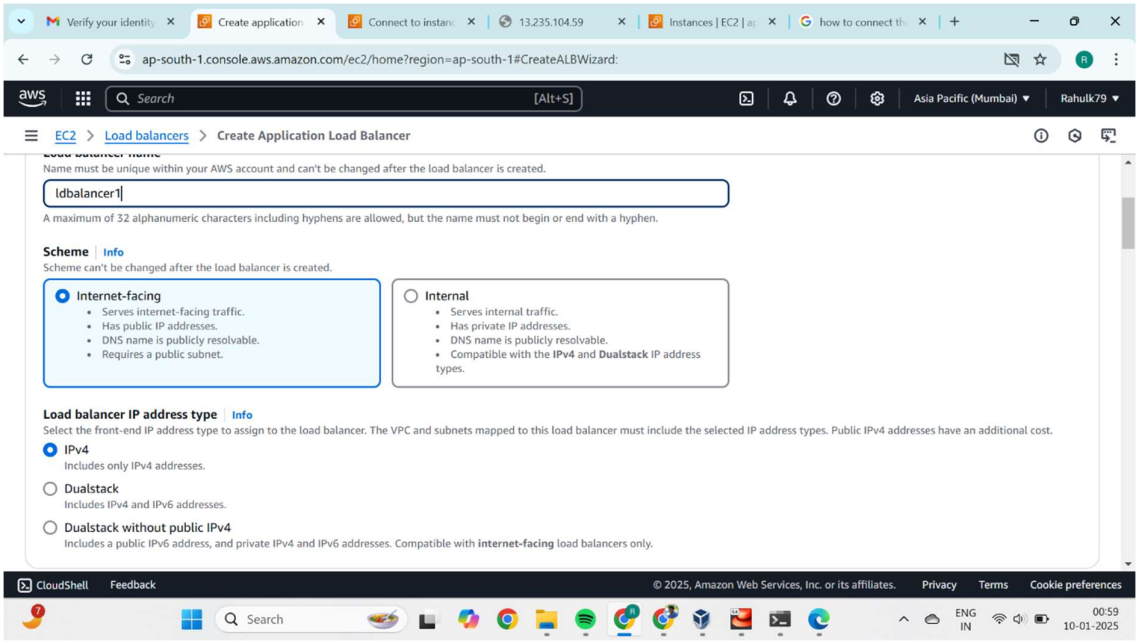
Verify your identity
Create application
Connect to instanc
13.235.104.59
Instances | EC2 | aj
how to connect th
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateALBWizard:
Search
[Alt+S]
Asia Pacific (Mumbai)
Rahulk79
EC2 > Load balancers > Create Application Load Balancer
Name must be unique within your AWS account and can't be changed after the load balancer is created.
ldbalancer1
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
Serves internet-facing traffic.
Has public IP addresses.
DNS name is publicly resolvable.
Requires a public subnet.
Internal
Serves internal traffic.
Has private IP addresses.
DNS name is publicly resolvable.
Compatible with the IPv4 and Dualstack IP address types.
Load balancer IP address type | Info
Select the front-end IP address type to assign to the load balancer. The VPC and subnets mapped to this load balancer must include the selected IP address types. Public IPv4 addresses have an additional cost.
IPv4
Includes only IPv4 addresses.
Dualstack
Includes IPv4 and IPv6 addresses.
Dualstack without public IPv4
Includes a public IPv6 address, and private IPv4 and IPv6 addresses. Compatible with internet-facing load balancers only.
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Cookie preferences
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ENG
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00:59
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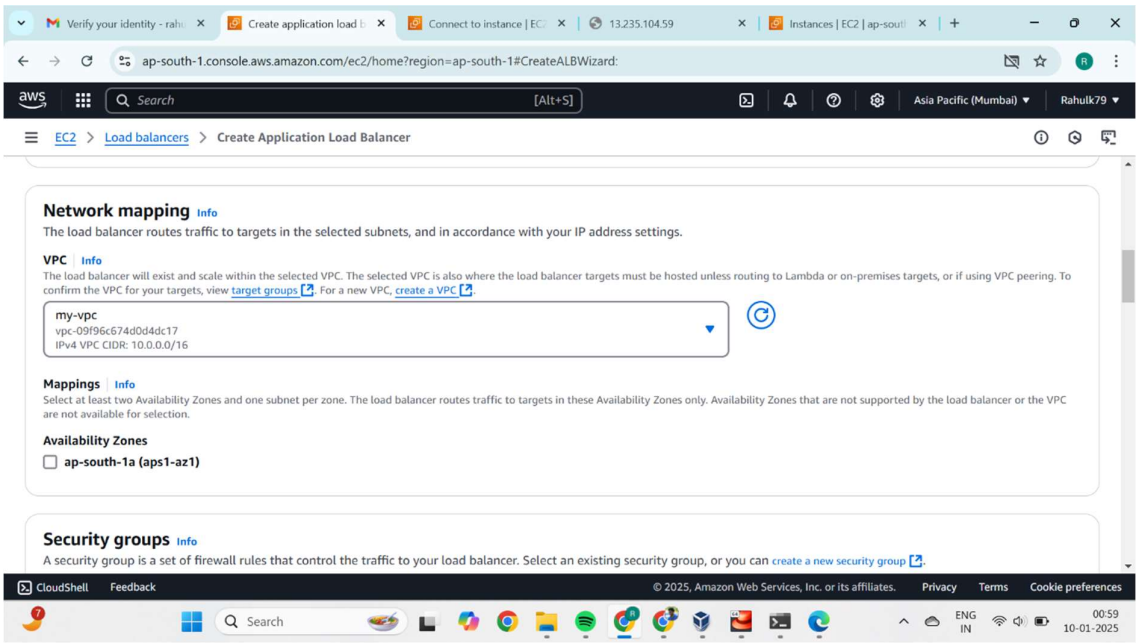
Verify your identity - rahi
Create application load b
Connect to instance | EC2
13.235.104.59
Instances | EC2 | ap-south
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateALBWizard:
Search
[Alt+S]
Asia Pacific (Mumbai)
Rahulk79
EC2 > Load balancers > Create Application Load Balancer
Network mapping Info
The load balancer routes traffic to targets in the selected subnets, and in accordance with your IP address settings.
VPC | Info
The load balancer will exist and scale within the selected VPC. The selected VPC is also where the load balancer targets must be hosted unless routing to Lambda or on-premises targets, or if using VPC peering. To confirm the VPC for your targets, view target groups. For a new VPC, create a VPC.
my-vpc
vpc-09f96c674d0d4dc17
IPv4 VPC CIDR: 10.0.0.0/16
Mappings | Info
Select at least two Availability Zones and one subnet per zone. The load balancer routes traffic to targets in these Availability Zones only. Availability Zones that are not supported by the load balancer or the VPC are not available for selection.
Availability Zones
ap-south-1a (aps1-az1)
Security groups Info
A security group is a set of firewall rules that control the traffic to your load balancer. Select an existing security group, or you can create a new security group.
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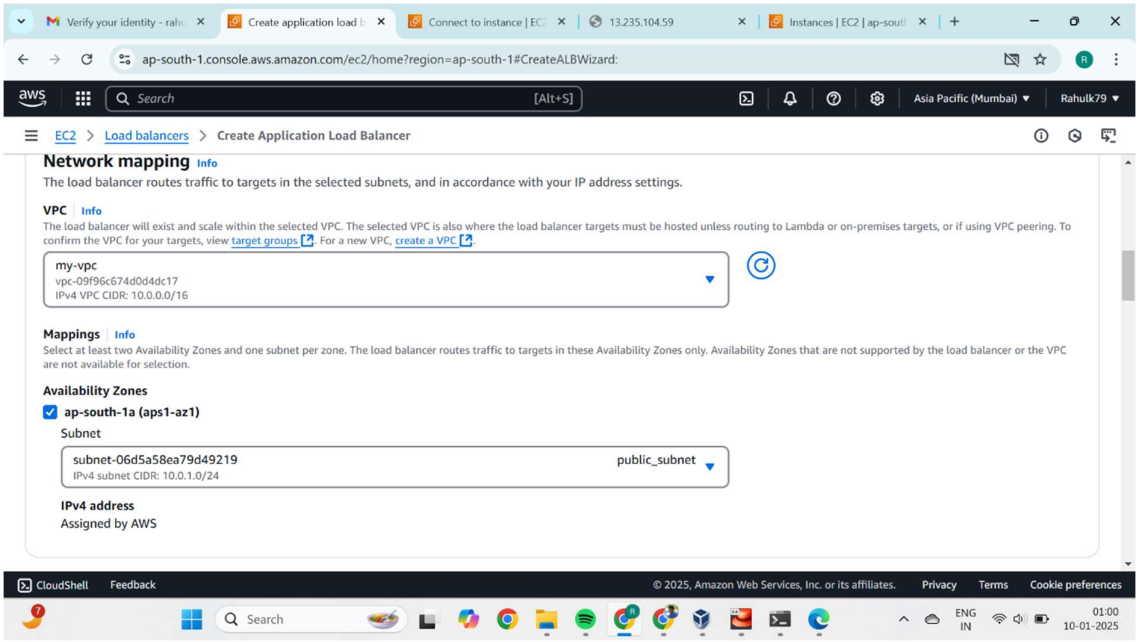
Verify your identity - rahu
Create application load b
Connect to instance | EC2
13.235.104.59
Instances | EC2 | ap-south
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateALBWizard:
aws
Search
[Alt+S]
Asia Pacific (Mumbai)
Rahulk79
EC2 > Load balancers > Create Application Load Balancer
Network mapping Info
The load balancer routes traffic to targets in the selected subnets, and in accordance with your IP address settings.
VPC Info
The load balancer will exist and scale within the selected VPC. The selected VPC is also where the load balancer targets must be hosted unless routing to Lambda or on-premises targets, or if using VPC peering. To confirm the VPC for your targets, view target groups. For a new VPC, create a VPC.
my-vpc
vpc-09f96c674d0d4dc17
IPv4 VPC CIDR: 10.0.0.0/16
Mappings Info
Select at least two Availability Zones and one subnet per zone. The load balancer routes traffic to targets in these Availability Zones only. Availability Zones that are not supported by the load balancer or the VPC are not available for selection.
Availability Zones
ap-south-1a (aps1-az1)
Subnet
subnet-06d5a58ea79d49219
public_subnet
IPv4 subnet CIDR: 10.0.1.0/24
IPv4 address
Assigned by AWS
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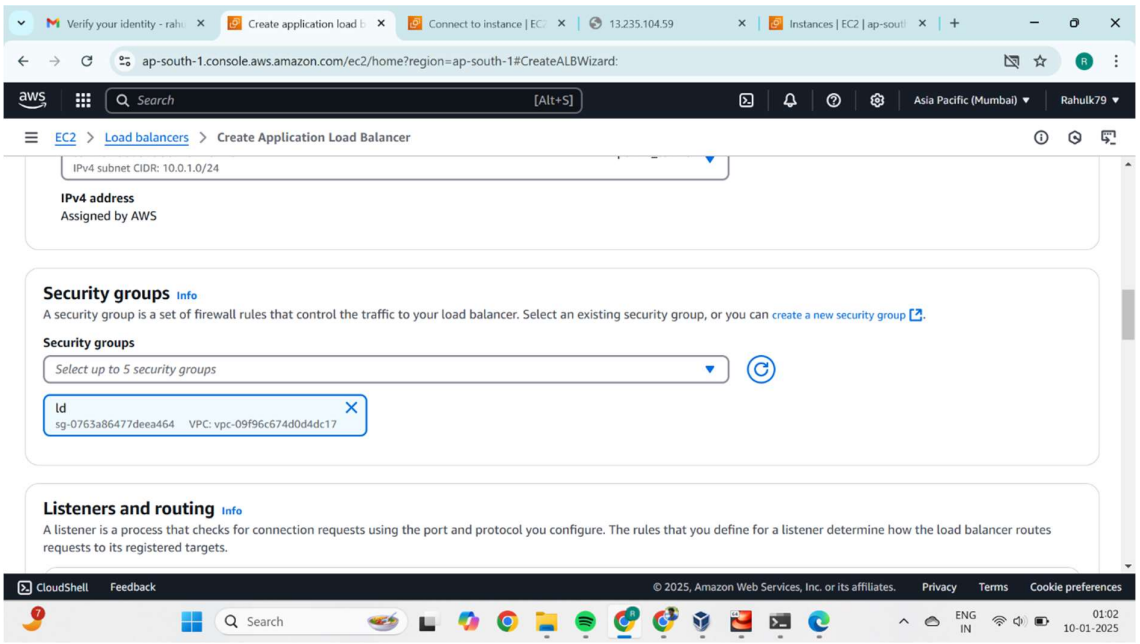
Verify your identity - rahu
Create application load b
Connect to instance | EC2
13.235.104.59
Instances | EC2 | ap-south
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateALBWizard:
aws
Search
[Alt+S]
Asia Pacific (Mumbai)
Rahulk79
EC2 > Load balancers > Create Application Load Balancer
IPv4 subnet CIDR: 10.0.1.0/24
IPv4 address
Assigned by AWS
Security groups Info
A security group is a set of firewall rules that control the traffic to your load balancer. Select an existing security group, or you can create a new security group.
Security groups
Select up to 5 security groups
ld
sg-0763a86477deea464 VPC: vpc-09f96c674d0d4dc17
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.
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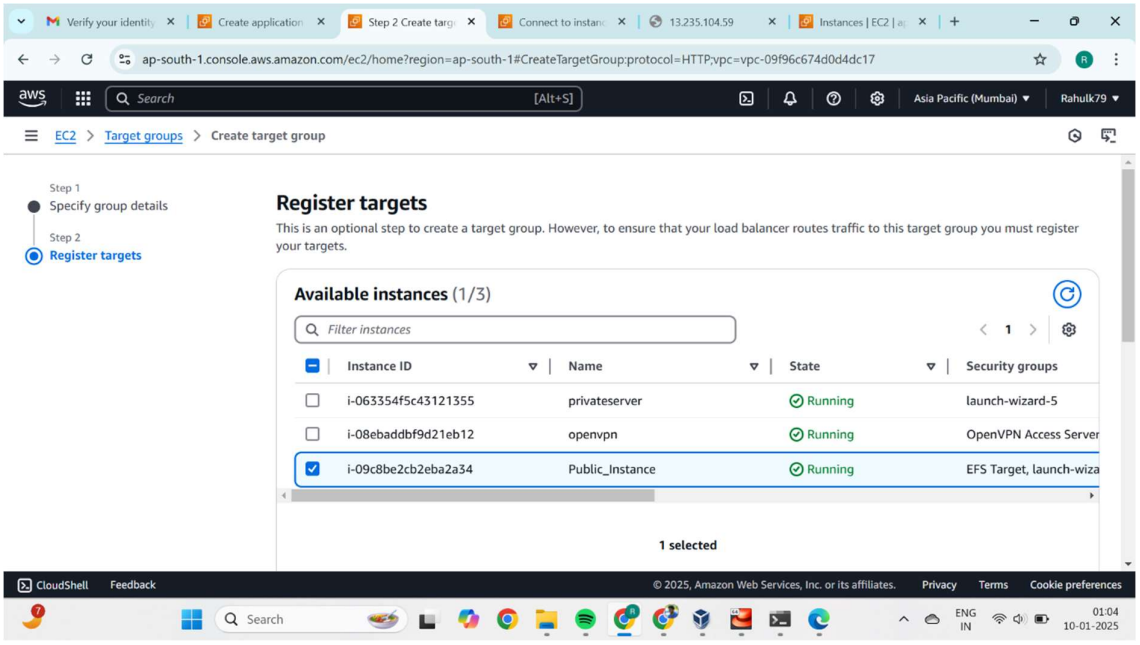
Verify your identity
Create application
Step 2 Create targ
Connect to instanc
13.235.104.59
Instances | EC2 | ap
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateTargetGroup:protocol=HTTP;vpc=vpc-09f96c674d0d4dc17
aws
Search
[Alt+S]
Asia Pacific (Mumbai)
Rahulk79
EC2 > Target groups > Create target group
Step 1
Specify group details
Step 2
Register targets
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 (1/3)
Filter instances
1
Instance ID
Name
State
Security groups
i-063354f5c43121355
privateserver
Running
launch-wizard-5
i-08ebaddbf9d21eb12
openvpn
Running
OpenVPN Access Server
i-09c8be2cb2eba2a34
Public_Instance
Running
EFS Target, launch-wiza
1 selected
CloudShell
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Search
ENG
IN
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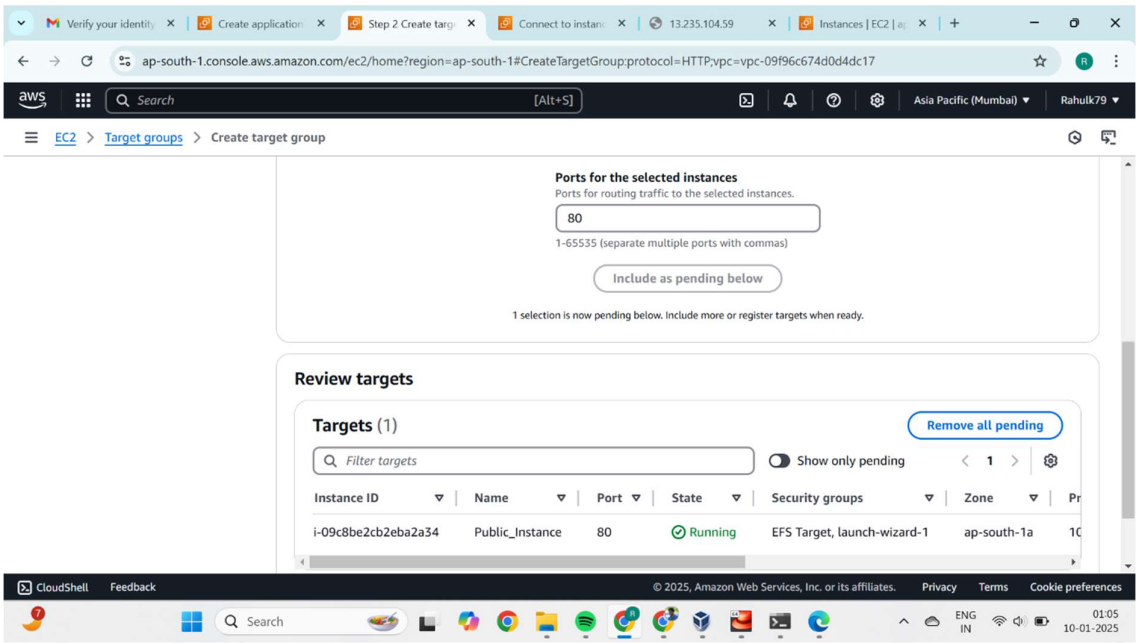
Verify your identity
Create application
Step 2 Create targ
Connect to instanc
13.235.104.59
Instances | EC2 | ap
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateTargetGroup:protocol=HTTP;vpc=vpc-09f96c674d0d4dc17
aws
Search
[Alt+S]
Asia Pacific (Mumbai)
Rahulk79
EC2 > Target groups > Create target group
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
1 selection is now pending below. Include more or register targets when ready.
Review targets
Targets (1)
Remove all pending
Filter targets
Show only pending
1
Instance ID
Name
Port
State
Security groups
Zone
i-09c8be2cb2eba2a34
Public_Instance
80
Running
EFS Target, launch-wizard-1
ap-south-1a
CloudShell
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ENG
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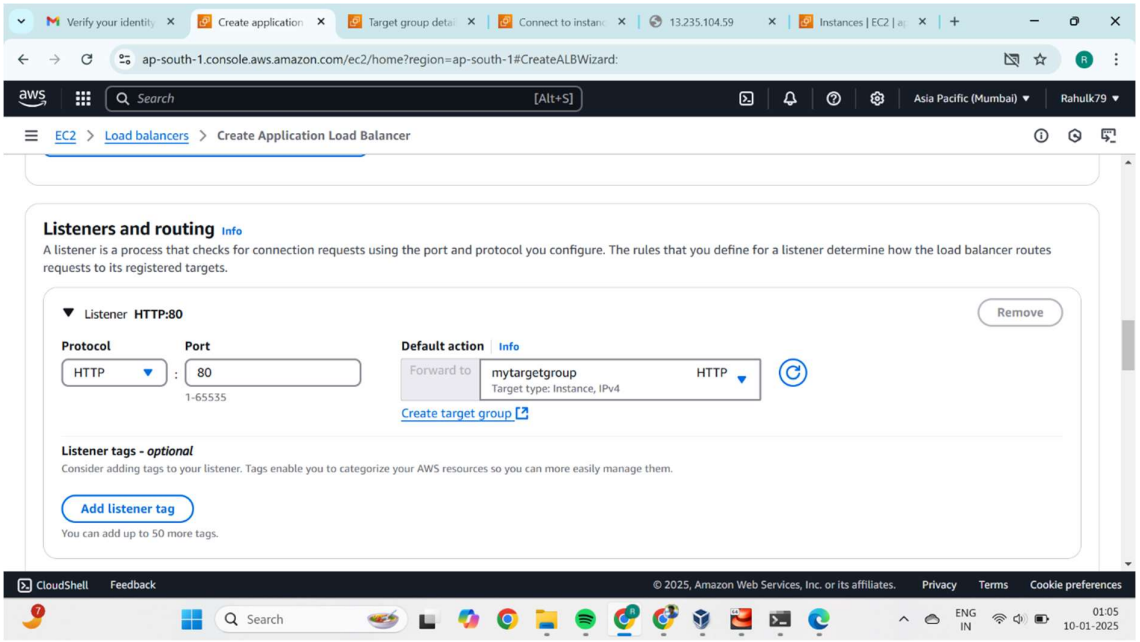
Verify your identity
Create application
Target group detail
Connect to instanc
13.235.104.59
Instances | EC2 | ap
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateALBWizard:
Search
[Alt+S]
Asia Pacific (Mumbai)
Rahulk79
EC2 > Load balancers > Create Application Load Balancer
Listeners 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 HTTP:80
Remove
Protocol
Port
HTTP
80
1-65535
Default action Info
Forward to
mytargetgroup
HTTP
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.
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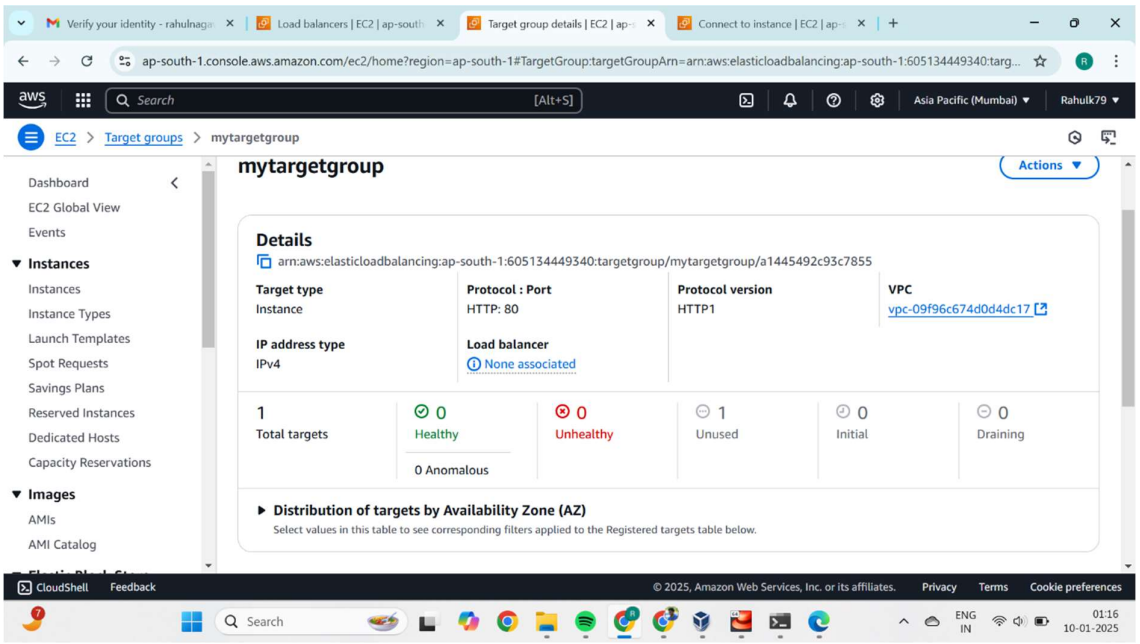
Verify your identity - rahulnaga
Load balancers | EC2 | ap-south
Target group details | EC2 | ap-
Connect to instance | EC2 | ap-
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#TargetGroup:targetGroupArn=arn:aws:elasticloadbalancing:ap-south-1:605134449340:targ...
Search
[Alt+S]
Asia Pacific (Mumbai)
Rahulk79
EC2 > Target groups > mytargetgroup
Dashboard
EC2 Global View
Events
Instances
Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations
Images
AMIs
AMI Catalog
mytargetgroup
Actions
Details
arn:aws:elasticloadbalancing:ap-south-1:605134449340:targetgroup/mytargetgroup/a1445492c93c7855
Target type
Instance
Protocol : Port
HTTP: 80
Protocol version
HTTP1
VPC
vpc-09f96c674d0d4dc17
IP address type
IPv4
Load balancer
None associated
1
Total targets
0
Healthy
0 Anomalous
0
Unhealthy
1
Unused
0
Initial
0
Draining
Distribution of targets by Availability Zone (AZ)
Select values in this table to see corresponding filters applied to the Registered targets table below.
CloudShell
Feedback
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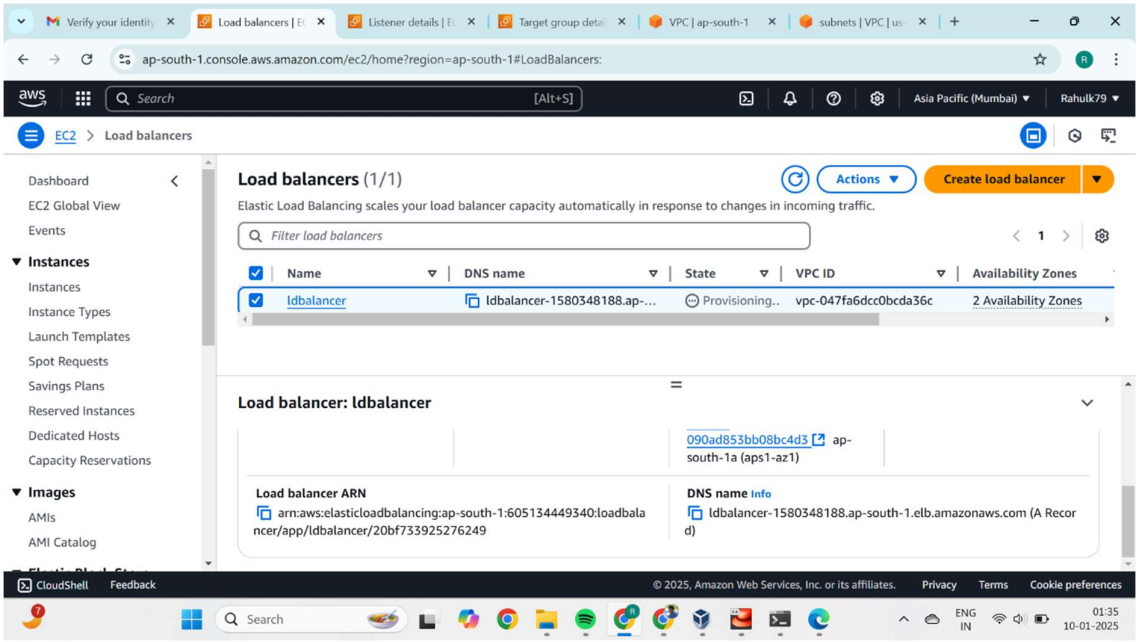
Cookie preferences
Search
ENG
IN
01:16
10-01-2025


Verify your identity
Load balancers | E
Listener details | E
Target group detail
VPC | ap-south-1
subnets | VPC | us
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#LoadBalancers:
Search
[Alt+S]
Asia Pacific (Mumbai)
Rahulk79
EC2 > Load balancers
Dashboard
EC2 Global View
Events
Instances
Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations
Images
AMIs
AMI Catalog
Load balancers (1/1)
Actions
Create load balancer
Elastic Load Balancing scales your load balancer capacity automatically in response to changes in incoming traffic.
Filter load balancers
Name
DNS name
State
VPC ID
Availability Zones
ldbalancer
ldbalancer-1580348188.ap-...
Provisioning..
vpc-047fa6dcc0bcda36c
2 Availability Zones
Load balancer: ldbalancer
090ad853bb08bc4d3
ap-south-1a (aps1-az1)
Load balancer ARN
arn:aws:elasticloadbalancing:ap-south-1:605134449340:loadbalancer/app/ldbalancer/20bf733925276249
DNS name Info
ldbalancer-1580348188.ap-south-1.elb.amazonaws.com (A Record)
CloudShell
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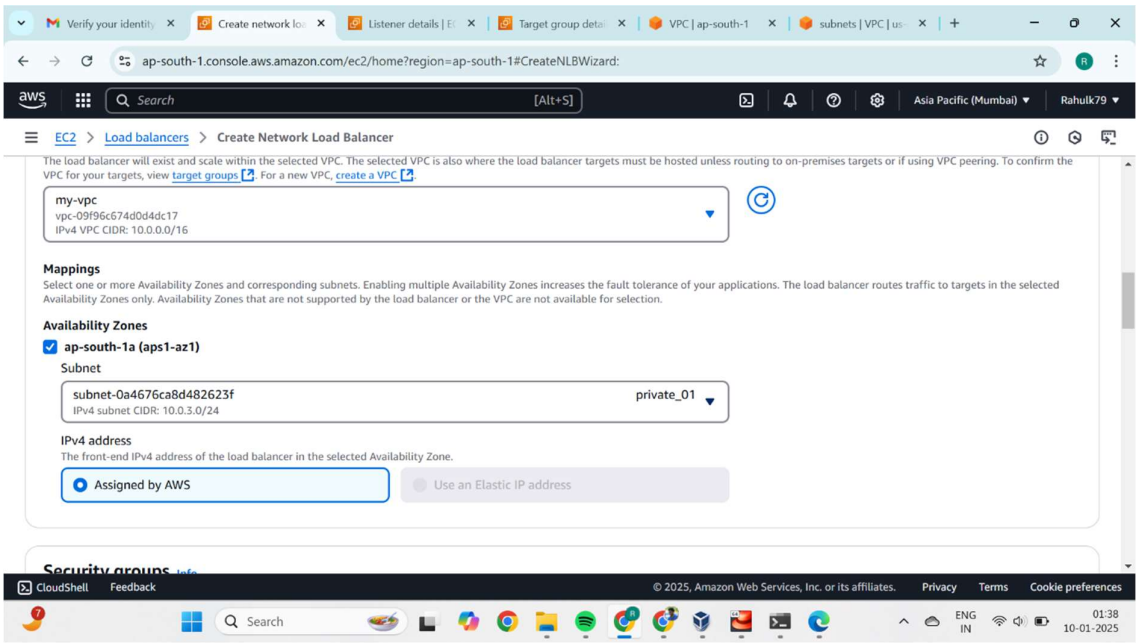
Cookie preferences
Search
ENG
IN
01:35
10-01-2025


Verify your identity
Create network lo
Listener details | E
Target group detail
VPC | ap-south-1
subnets | VPC | us
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateNLBWizard:
Search
[Alt+S]
Asia Pacific (Mumbai)
Rahulk79
EC2 > Load balancers > Create Network Load Balancer
The load balancer will exist and scale within the selected VPC. The selected VPC is also where the load balancer targets must be hosted unless routing to on-premises targets or if using VPC peering. To confirm the VPC for your targets, view target groups. For a new VPC, create a VPC.
my-vpc
vpc-09f96c674d0d4dc17
IPv4 VPC CIDR: 10.0.0.0/16
Mappings
Select one or more Availability Zones and corresponding subnets. Enabling multiple Availability Zones increases the fault tolerance of your applications. The load balancer routes traffic to targets in the selected Availability Zones only. Availability Zones that are not supported by the load balancer or the VPC are not available for selection.
Availability Zones
ap-south-1a (aps1-az1)
Subnet
subnet-0a4676ca8d482623f
private_01
IPv4 subnet CIDR: 10.0.3.0/24
IPv4 address
The front-end IPv4 address of the load balancer in the selected Availability Zone.
Assigned by AWS
Use an Elastic IP address
Security groups Info
CloudShell
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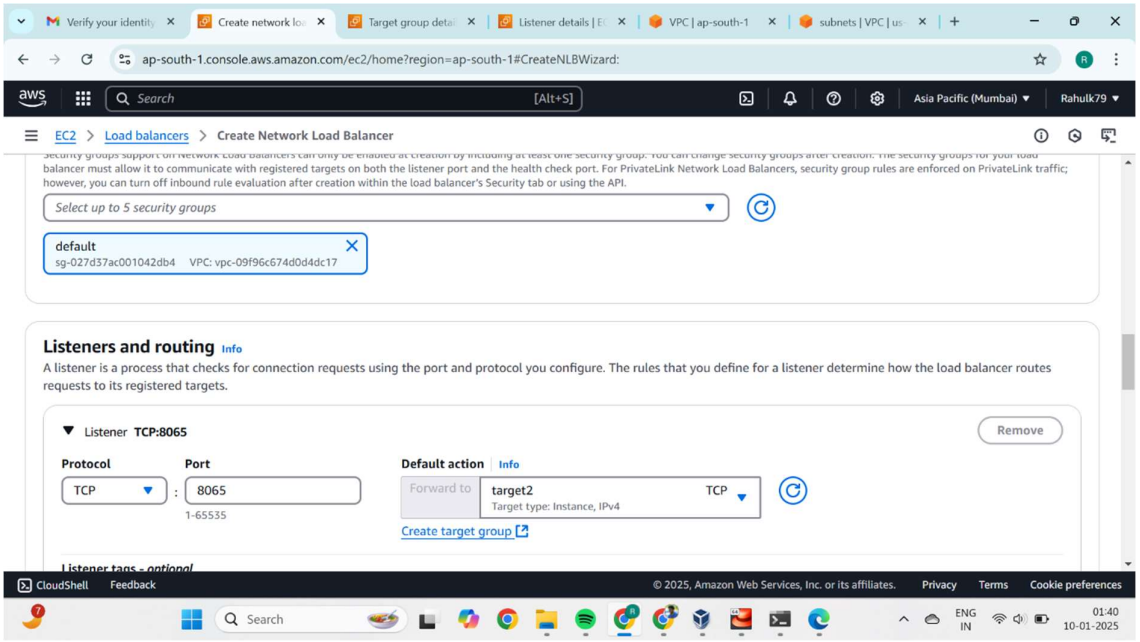
Search
ENG
IN
01:38
10-01-2025


ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateNLBWizard:
Search [Alt+S]
Asia Pacific (Mumbai)
Rahulk79
EC2 > Load balancers > Create Network Load Balancer
balancer must allow it to communicate with registered targets on both the listener port and the health check port. For PrivateLink Network Load Balancers, security group rules are enforced on PrivateLink traffic; however, you can turn off inbound rule evaluation after creation within the load balancer's Security tab or using the API.
Select up to 5 security groups
default
sg-027d37ac001042db4 VPC: vpc-09f96c674d0d4dc17
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:8065
Remove
Protocol
Port
TCP
8065
1-65535
Default action Info
Forward to
target2
Target type: Instance, IPv4
TCP
Create target group
CloudShell
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Search
ENG
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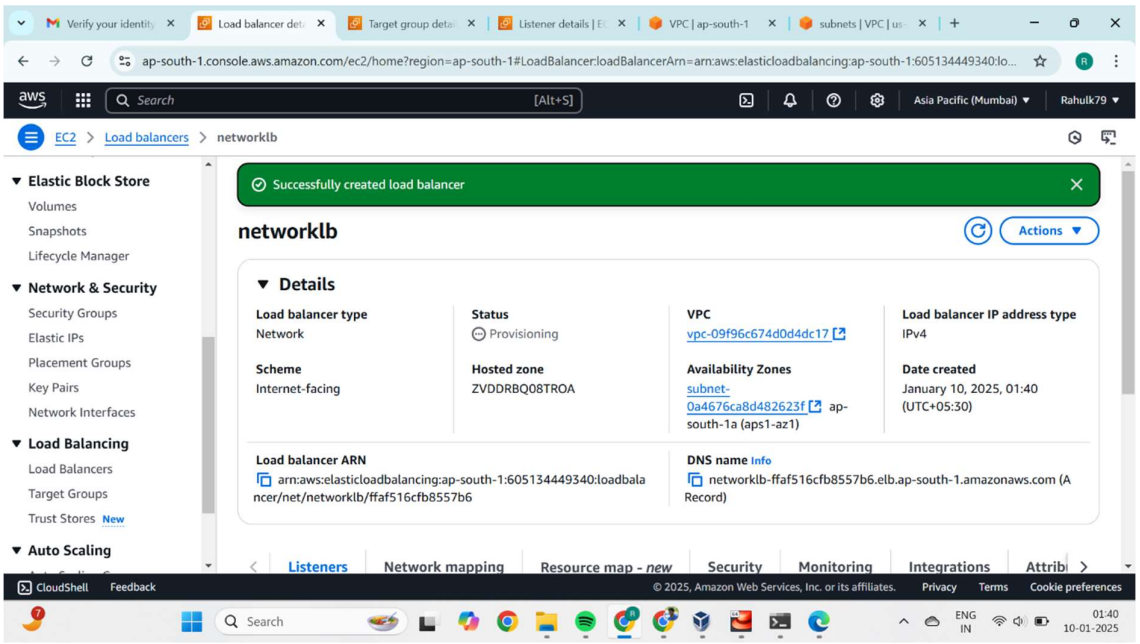
01:40
10-01-2025


ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#LoadBalancer:loadBalancerArn=arn:aws:elasticloadbalancing:ap-south-1:605134449340:lo...
Search [Alt+S]
Asia Pacific (Mumbai)
Rahulk79
EC2 > Load balancers > networklb
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 New
Auto Scaling
Successfully created load balancer
networklb
Actions
Details
Load balancer type
Network
Status
Provisioning
VPC
vpc-09f96c674d0d4dc17
Load balancer IP address type
IPv4
Scheme
Internet-facing
Hosted zone
ZVDDRBQ08TROA
Availability Zones
subnet-0a4676ca8d482623f ap-south-1a (aps1-az1)
Date created
January 10, 2025, 01:40 (UTC+05:30)
Load balancer ARN
arn:aws:elasticloadbalancing:ap-south-1:605134449340:loadbalancer/net/networklb/ffaf516cfb8557b6
DNS name Info
networklb-ffaf516cfb8557b6.elb.ap-south-1.amazonaws.com (A Record)
Listeners
Network mapping
Resource map - new
Security
Monitoring
Integrations
CloudShell
Feedback
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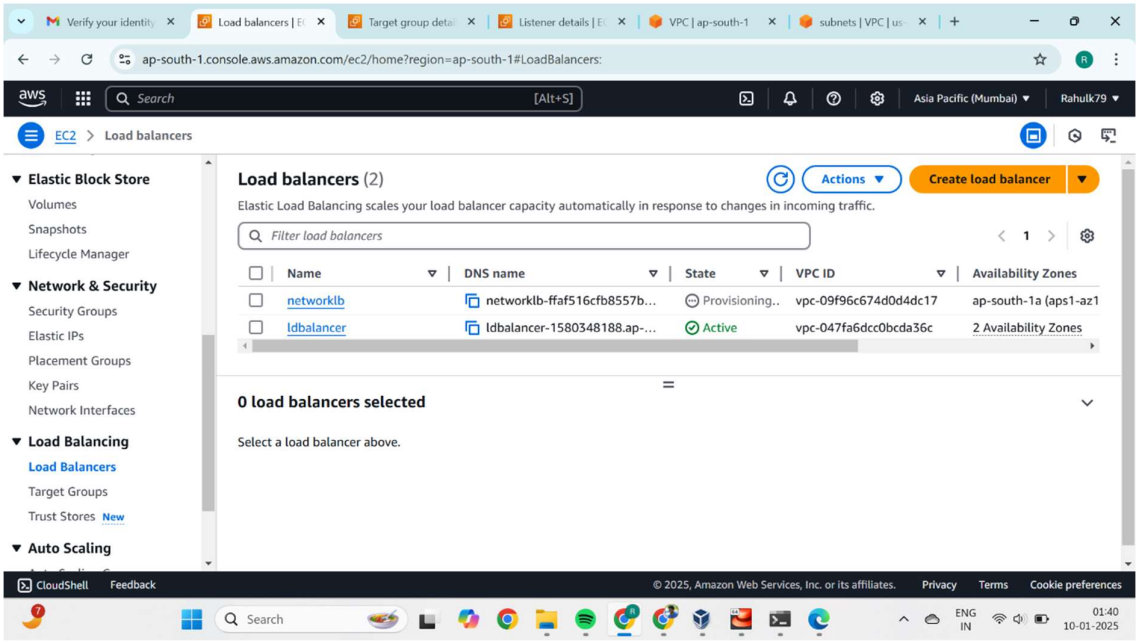
Search
ENG
IN
01:40
10-01-2025


Load balancers | EC
Target group detail
Listener details | EC
VPC | ap-south-1
subnets | VPC | us
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#LoadBalancers:
Search [Alt+S]
Asia Pacific (Mumbai)
Rahulk79
EC2 > Load balancers
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 New
Auto Scaling
Load balancers (2)
Actions
Create load balancer
Elastic Load Balancing scales your load balancer capacity automatically in response to changes in incoming traffic.
Filter load balancers
Name
DNS name
State
VPC ID
Availability Zones
networklb
networklb-ffaf516cfb8557b...
Provisioning..
vpc-09f96c674d0d4dc17
ap-south-1a (aps1-az1
ldbalancer
ldbalancer-1580348188.ap-...
Active
vpc-047fa6dcc0bcda36c
2 Availability Zones
0 load balancers selected
Select a load balancer above.
CloudShell
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01:40
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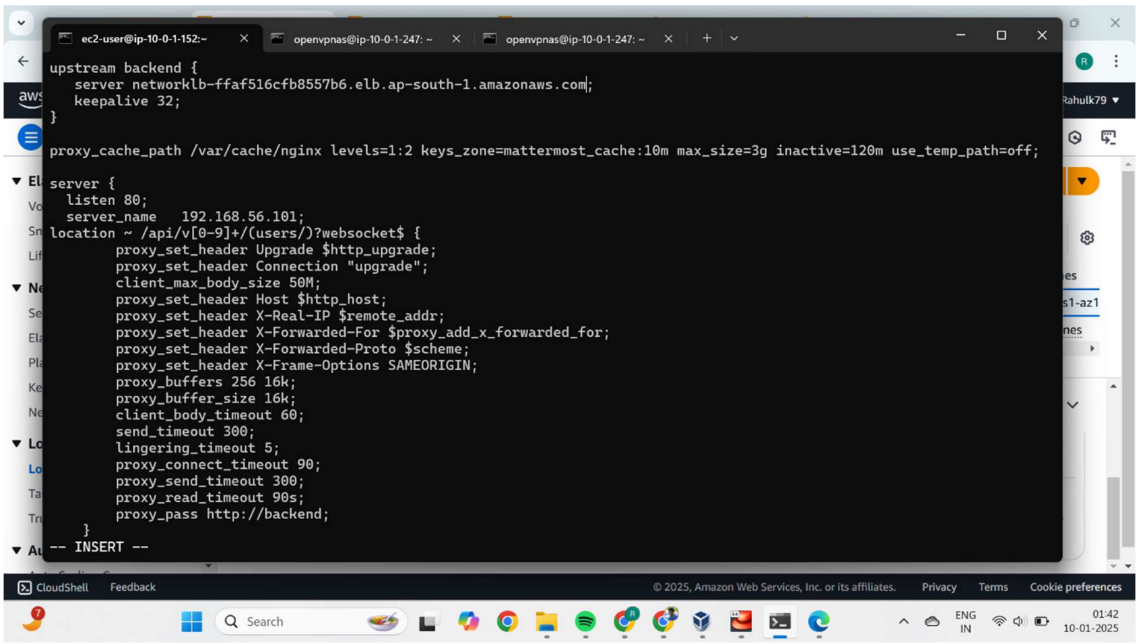
ec2-user@ip-10-0-1-152:~
openvpnas@ip-10-0-1-247: ~
openvpnas@ip-10-0-1-247: ~
upstream backend {
server networklb-ffaf516cfb8557b6.elb.ap-south-1.amazonaws.com;
keepalive 32;
}
proxy_cache_path /var/cache/nginx levels=1:2 keys_zone=mattermost_cache:10m max_size=3g inactive=120m use_temp_path=off;
server {
listen 80;
server_name 192.168.56.101;
location ~ /api/v[0-9]+/(users/)?websocket$ {
proxy_set_header Upgrade $http_upgrade;
proxy_set_header Connection "upgrade";
client_max_body_size 50M;
proxy_set_header Host $http_host;
proxy_set_header X-Real-IP $remote_addr;
proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
proxy_set_header X-Forwarded-Proto $scheme;
proxy_set_header X-Frame-Options SAMEORIGIN;
proxy_buffers 256 16k;
proxy_buffer_size 16k;
client_body_timeout 60;
send_timeout 300;
lingering_timeout 5;
proxy_connect_timeout 90;
proxy_send_timeout 300;
proxy_read_timeout 90s;
proxy_pass http://backend;
}
-- INSERT --
CloudShell
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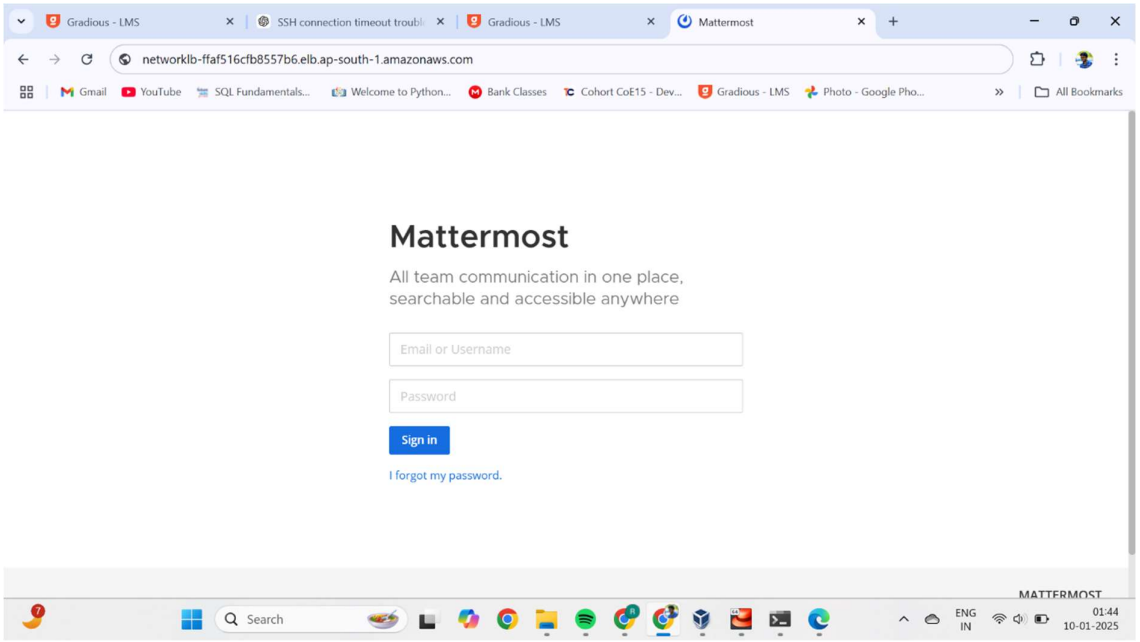
Cookie preferences
Search
ENG
IN
01:42
10-01-2025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