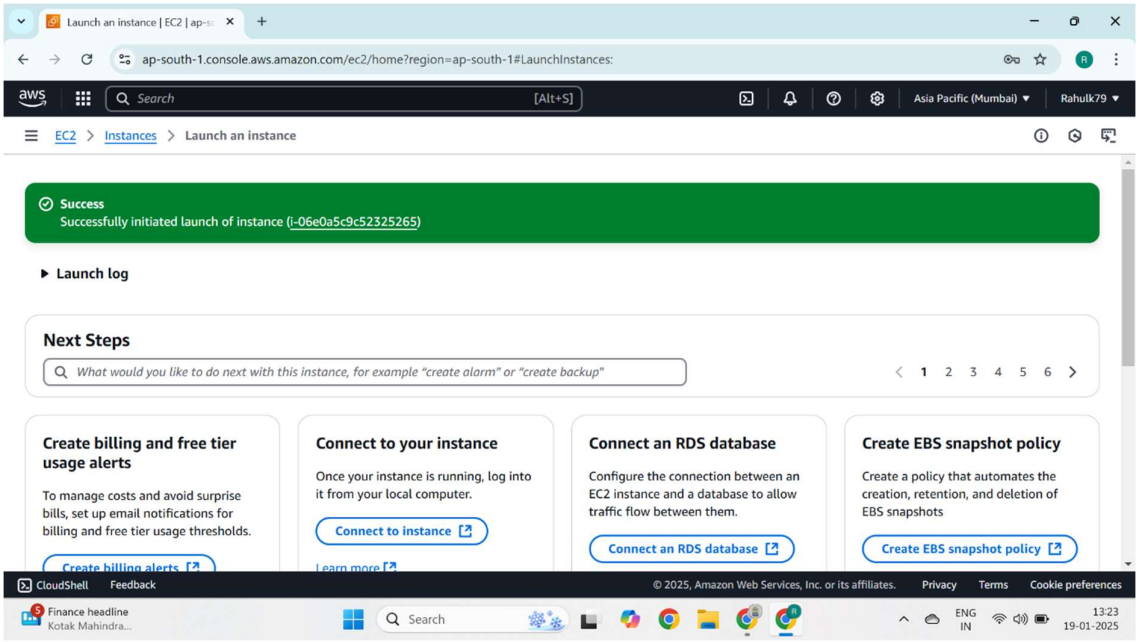
Launch an instance | EC2 | ap-s
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#LaunchInstances:
Search [Alt+S]
Asia Pacific (Mumbai)
Rahulk79
EC2 > Instances > Launch an instance
Success
Successfully initiated launch of instance (i-06e0a5c9c52325265)
Launch log
Next Steps
What would you like to do next with this instance, for example "create alarm" or "create backup"
1 2 3 4 5 6
Create billing and free tier usage alerts
To manage costs and avoid surprise bills, set up email notifications for billing and free tier usage thresholds.
Create billing alerts
Connect to your instance
Once your instance is running, log into it from your local computer.
Connect to instance
Learn more
Connect an RDS database
Configure the connection between an EC2 instance and a database to allow traffic flow between them.
Connect an RDS database
Create EBS snapshot policy
Create a policy that automates the creation, retention, and deletion of EBS snapshots
Create EBS snapshot policy
CloudShell
Feedback
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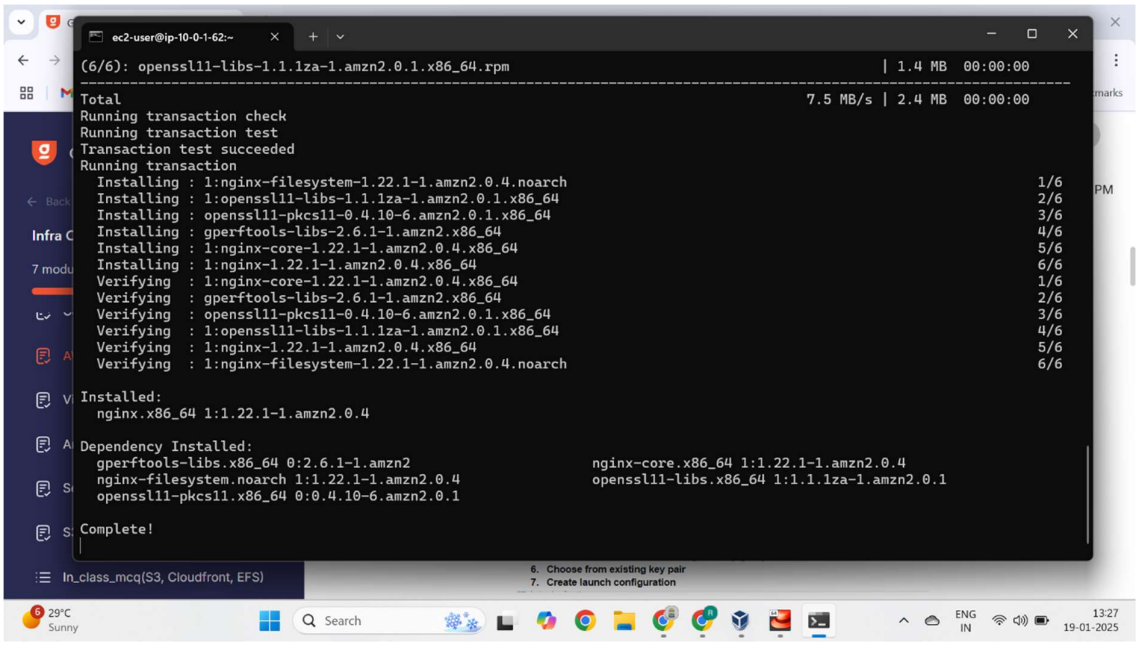
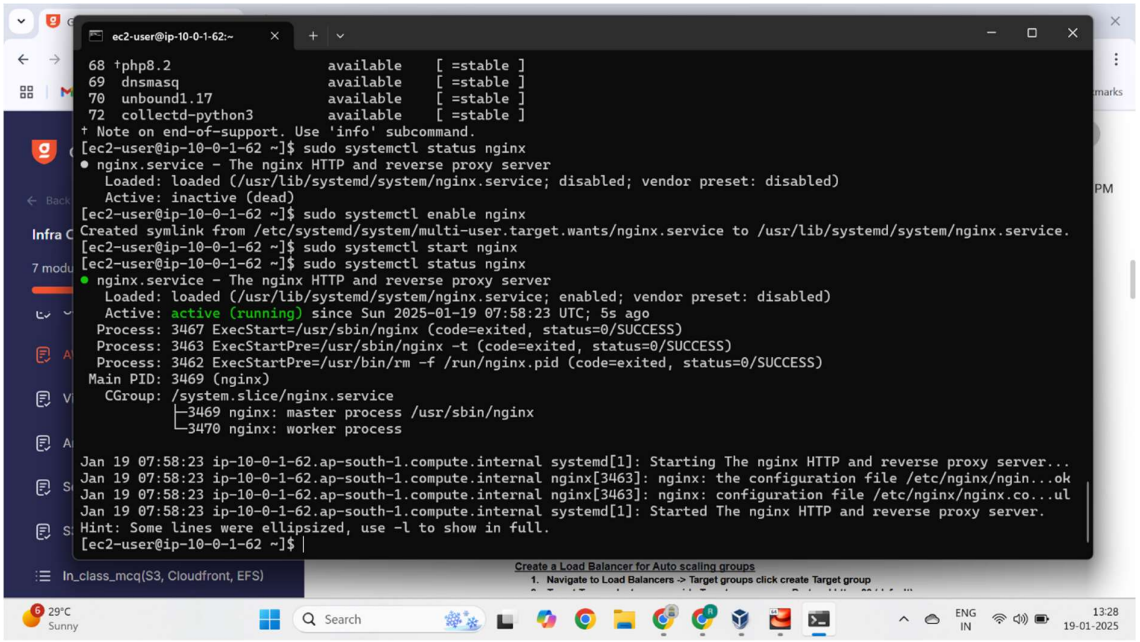
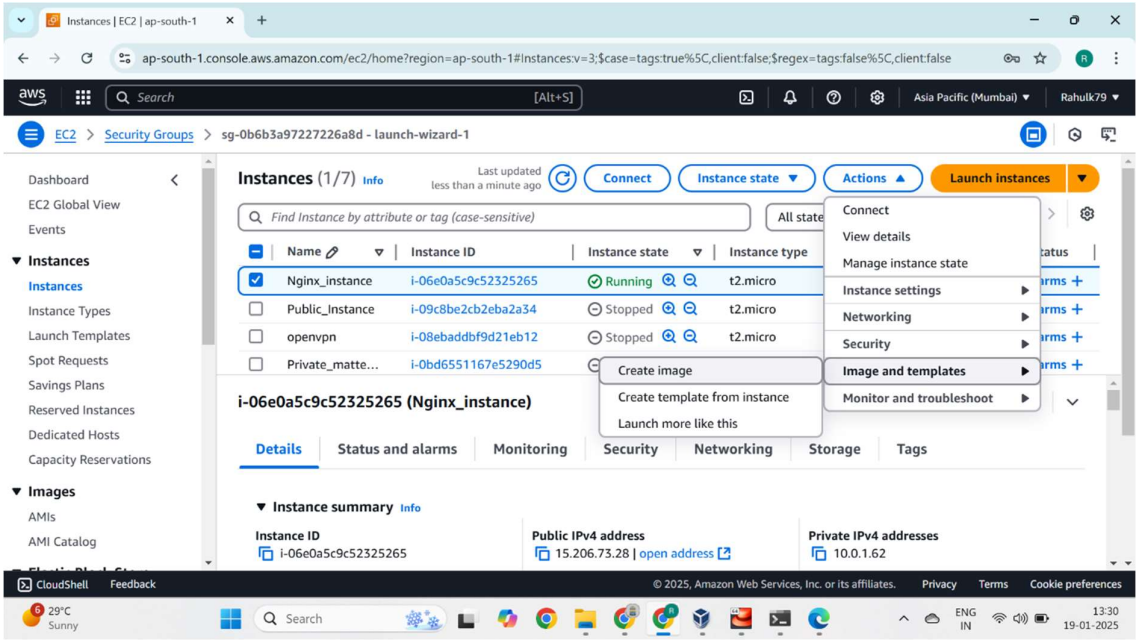
Privacy
Terms
Cookie preferences
Finance headline
Kotak Mahindra...
Search
ENG
IN
13:23
19-01-2025


ec2-user@ip-10-0-1-62:~
(6/6): openssl11-libs-1.1.1za-1.amzn2.0.1.x86_64.rpm | 1.4 MB 00:00:00
Total 7.5 MB/s | 2.4 MB 00:00:00
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
Installing : 1:nginx-filesystem-1.22.1-1.amzn2.0.4.noarch 1/6
Installing : 1:openssl11-libs-1.1.1za-1.amzn2.0.1.x86_64 2/6
Installing : openssl11-pkcs11-0.4.10-6.amzn2.0.1.x86_64 3/6
Installing : gperftools-libs-2.6.1-1.amzn2.x86_64 4/6
Installing : 1:nginx-core-1.22.1-1.amzn2.0.4.x86_64 5/6
Installing : 1:nginx-1.22.1-1.amzn2.0.4.x86_64 6/6
Verifying : 1:nginx-core-1.22.1-1.amzn2.0.4.x86_64 1/6
Verifying : gperftools-libs-2.6.1-1.amzn2.x86_64 2/6
Verifying : openssl11-pkcs11-0.4.10-6.amzn2.0.1.x86_64 3/6
Verifying : 1:openssl11-libs-1.1.1za-1.amzn2.0.1.x86_64 4/6
Verifying : 1:nginx-1.22.1-1.amzn2.0.4.x86_64 5/6
Verifying : 1:nginx-filesystem-1.22.1-1.amzn2.0.4.noarch 6/6
Installed:
nginx.x86_64 1:1.22.1-1.amzn2.0.4
Dependency Installed:
gperftools-libs.x86_64 0:2.6.1-1.amzn2
nginx-core.x86_64 1:1.22.1-1.amzn2.0.4
nginx-filesystem.noarch 1:1.22.1-1.amzn2.0.4
openssl11-libs.x86_64 1:1.1.1za-1.amzn2.0.1
openssl11-pkcs11.x86_64 0:0.4.10-6.amzn2.0.1
Complete!
In_class_mcq(S3, Cloudfront, EFS)
6. Choose from existing key pair
7. Create launch configuration
29°C
Sunny
Search
ENG
IN
13:27
19-01-2025


ec2-user@ip-10-0-1-62:~
68 †php8.2 available [=stable]
69 dnsmasq available [=stable]
70 unbound1.17 available [=stable]
72 collectd-python3 available [=stable]
† Note on end-of-support. Use 'info' subcommand.
[ec2-user@ip-10-0-1-62 ~]$ sudo systemctl status nginx
● nginx.service - The nginx HTTP and reverse proxy server
Loaded: loaded (/usr/lib/systemd/system/nginx.service; disabled; vendor preset: disabled)
Active: inactive (dead)
[ec2-user@ip-10-0-1-62 ~]$ sudo systemctl enable nginx
Created symlink from /etc/systemd/system/multi-user.target.wants/nginx.service to /usr/lib/systemd/system/nginx.service.
[ec2-user@ip-10-0-1-62 ~]$ sudo systemctl start nginx
[ec2-user@ip-10-0-1-62 ~]$ sudo systemctl status nginx
● nginx.service - The nginx HTTP and reverse proxy server
Loaded: loaded (/usr/lib/systemd/system/nginx.service; enabled; vendor preset: disabled)
Active: active (running) since Sun 2025-01-19 07:58:23 UTC; 5s ago
Process: 3467 ExecStart=/usr/sbin/nginx (code=exited, status=0/SUCCESS)
Process: 3463 ExecStartPre=/usr/sbin/nginx -t (code=exited, status=0/SUCCESS)
Process: 3462 ExecStartPre=/usr/bin/rm -f /run/nginx.pid (code=exited, status=0/SUCCESS)
Main PID: 3469 (nginx)
CGroup: /system.slice/nginx.service
├─3469 nginx: master process /usr/sbin/nginx
└─3470 nginx: worker process
Jan 19 07:58:23 ip-10-0-1-62.ap-south-1.compute.internal systemd[1]: Starting The nginx HTTP and reverse proxy server...
Jan 19 07:58:23 ip-10-0-1-62.ap-south-1.compute.internal nginx[3463]: nginx: the configuration file /etc/nginx/ngin...ok
Jan 19 07:58:23 ip-10-0-1-62.ap-south-1.compute.internal nginx[3463]: nginx: configuration file /etc/nginx/nginx.co...ul
Jan 19 07:58:23 ip-10-0-1-62.ap-south-1.compute.internal systemd[1]: Started The nginx HTTP and reverse proxy server.
Hint: Some lines were ellipsized, use -l to show in full.
[ec2-user@ip-10-0-1-62 ~]$
In_class_mcq(S3, Cloudfront, EFS)
Create a Load Balancer for Auto scaling groups
1. Navigate to Load Balancers -> Target groups click create Target group
29°C Sunny
Search
ENG IN
13:28 19-01-2025


Instances | EC2 | ap-south-1
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#Instances:v=3;$case=tags:true%5C,client:false;$regex=tags:false%5C,client:false
Search [Alt+S]
Asia Pacific (Mumbai)
Rahulk79
EC2 > Security Groups > sg-0b6b3a97227226a8d - launch-wizard-1
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
Instances (1/7) Info
Last updated less than a minute ago
Connect
Instance state
Actions
Launch instances
Find Instance by attribute or tag (case-sensitive)
All state
Name
Instance ID
Instance state
Instance type
Nginx_instance i-06e0a5c9c52325265 Running t2.micro
Public_Instance i-09c8be2cb2eba2a34 Stopped t2.micro
openvpn i-08ebaddbf9d21eb12 Stopped t2.micro
Private_matte... i-0bd6551167e5290d5
Connect
View details
Manage instance state
Instance settings
Networking
Security
Image and templates
Monitor and troubleshoot
Create image
Create template from instance
Launch more like this
i-06e0a5c9c52325265 (Nginx_instance)
Details
Status and alarms
Monitoring
Security
Networking
Storage
Tags
Instance summary Info
Instance ID
i-06e0a5c9c52325265
Public IPv4 address
15.206.73.28 | open address
Private IPv4 addresses
10.0.1.62
CloudShell
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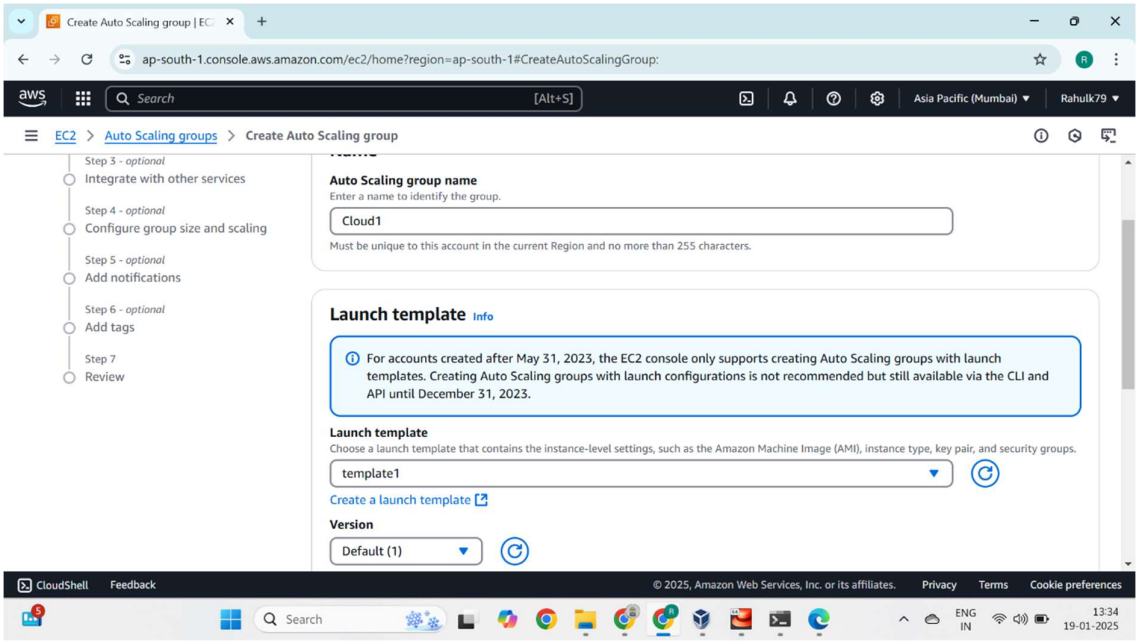
ENG IN
13:30 19-01-2025


Create Auto Scaling group | EC
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateAutoScalingGroup:
Search [Alt+S]
Asia Pacific (Mumbai)
Rahulk79
EC2 > Auto Scaling groups > Create Auto Scaling group
Step 3 - optional
Integrate with other services
Step 4 - optional
Configure group size and scaling
Step 5 - optional
Add notifications
Step 6 - optional
Add tags
Step 7
Review
Auto Scaling group name
Enter a name to identify the group.
Cloud1
Must be unique to this account in the current Region and no more than 255 characters.
Launch template Info
For accounts created after May 31, 2023, the EC2 console only supports creating Auto Scaling groups with launch templates. Creating Auto Scaling groups with launch configurations is not recommended but still available via the CLI and API until December 31, 2023.
Launch template
Choose a launch template that contains the instance-level settings, such as the Amazon Machine Image (AMI), instance type, key pair, and security groups.
template1
Create a launch template
Version
Default (1)
CloudShell
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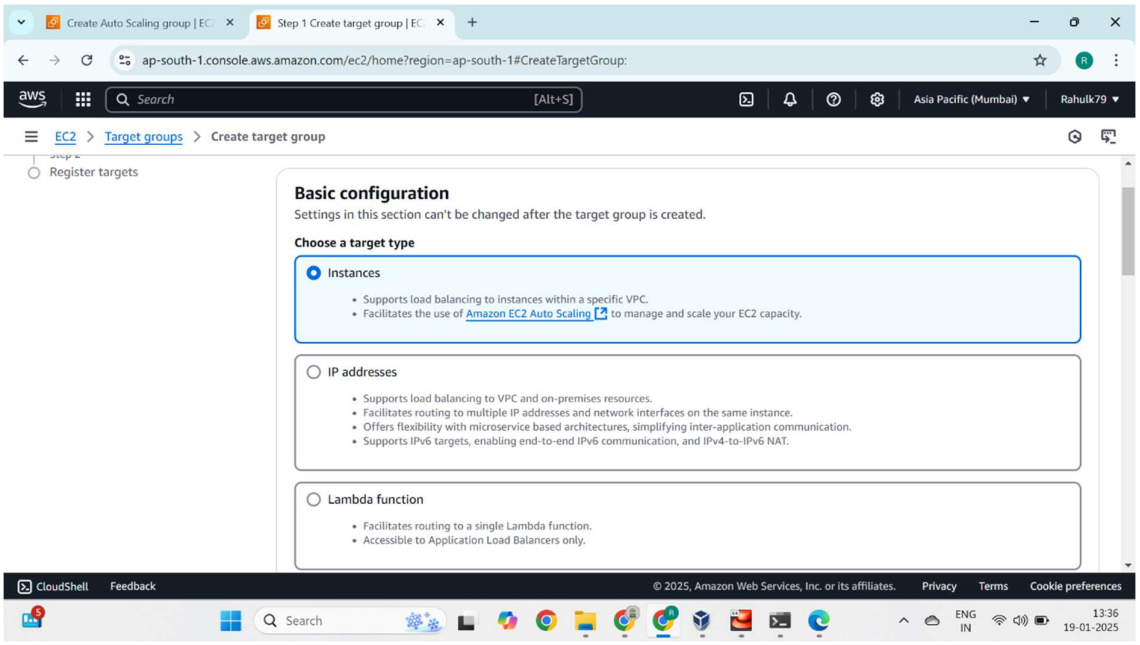
Search
ENG
IN
13:34
19-01-2025


Create Auto Scaling group | EC
Step 1 Create target group | EC
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateTargetGroup:
Search [Alt+S]
Asia Pacific (Mumbai)
Rahulk79
EC2 > Target groups > Create target group
Register targets
Basic configuration
Settings in this section can't be changed after the target group is created.
Choose a target type
Instances
Supports load balancing to instances within a specific VPC.
Facilitates the use of Amazon EC2 Auto Scaling to manage and scale your EC2 capacity.
IP addresses
Supports load balancing to VPC and on-premises resources.
Facilitates routing to multiple IP addresses and network interfaces on the same instance.
Offers flexibility with microservice based architectures, simplifying inter-application communication.
Supports IPv6 targets, enabling end-to-end IPv6 communication, and IPv4-to-IPv6 NAT.
Lambda function
Facilitates routing to a single Lambda function.
Accessible to Application Load Balancers only.
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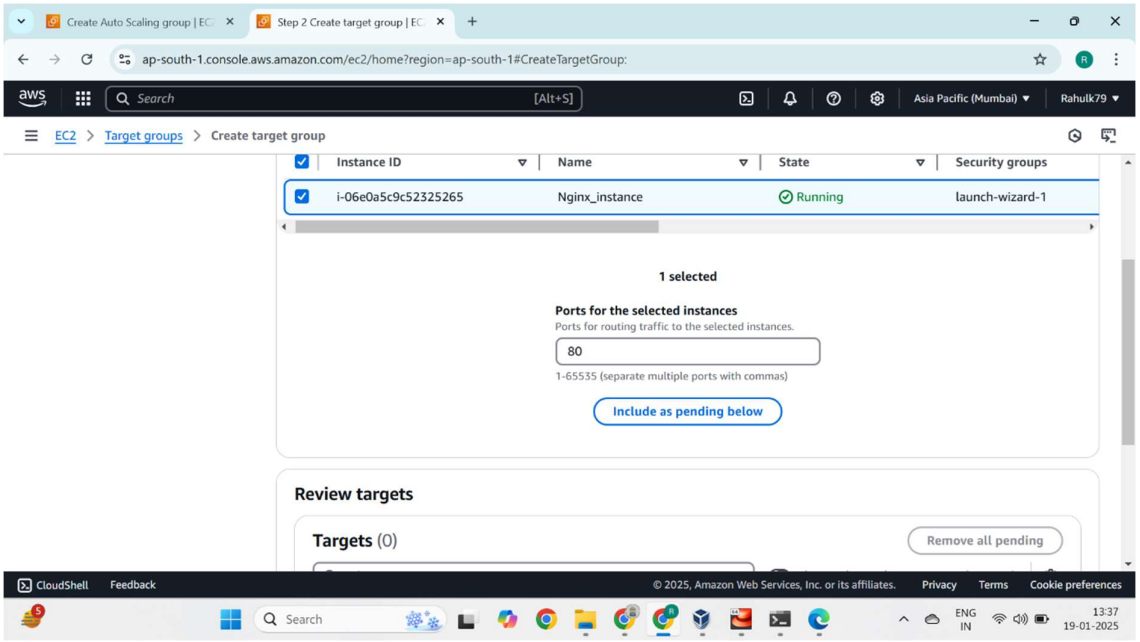
ENG
IN
13:36
19-01-2025


Create Auto Scaling group | EC
Step 2 Create target group | EC
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateTargetGroup:
Search [Alt+S]
Asia Pacific (Mumbai)
Rahulk79
EC2 > Target groups > Create target group
Instance ID
Name
State
Security groups
i-06e0a5c9c52325265
Nginx_instance
Running
launch-wizard-1
1 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
Review targets
Targets (0)
Remove all pending
CloudShell
Feedback
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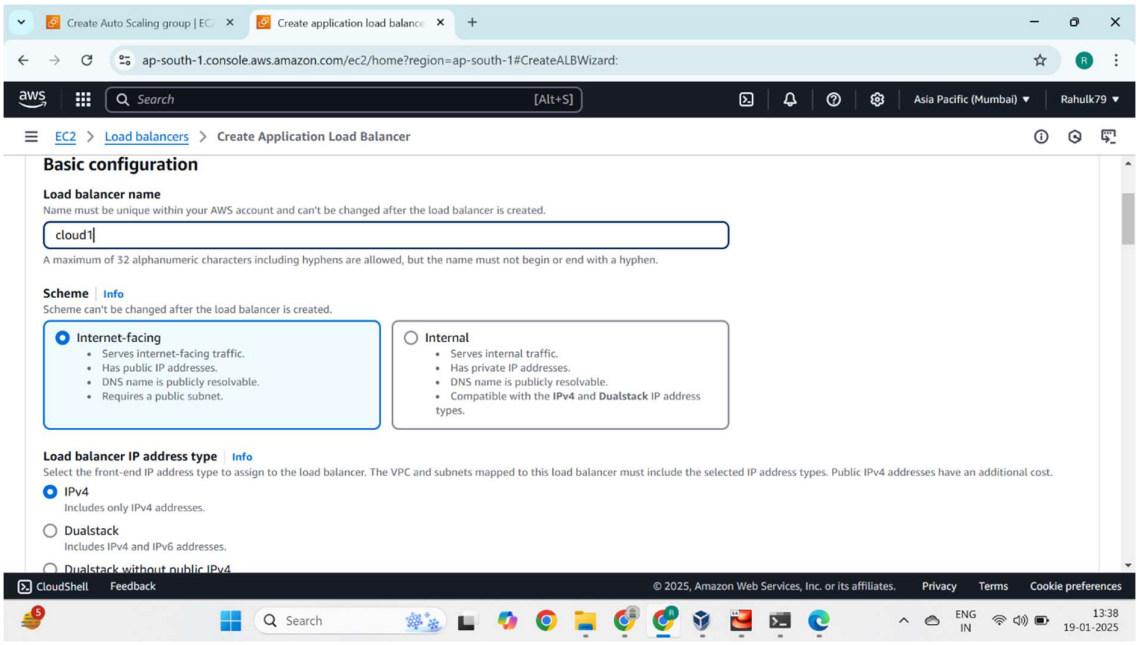
Terms
Cookie preferences
Search
ENG
IN
13:37
19-01-2025


Create Auto Scaling group | EC
Create application load balanc
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
Basic configuration
Load balancer name
Name must be unique within your AWS account and can't be changed after the load balancer is created.
cloud1
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
CloudShell
Feedback
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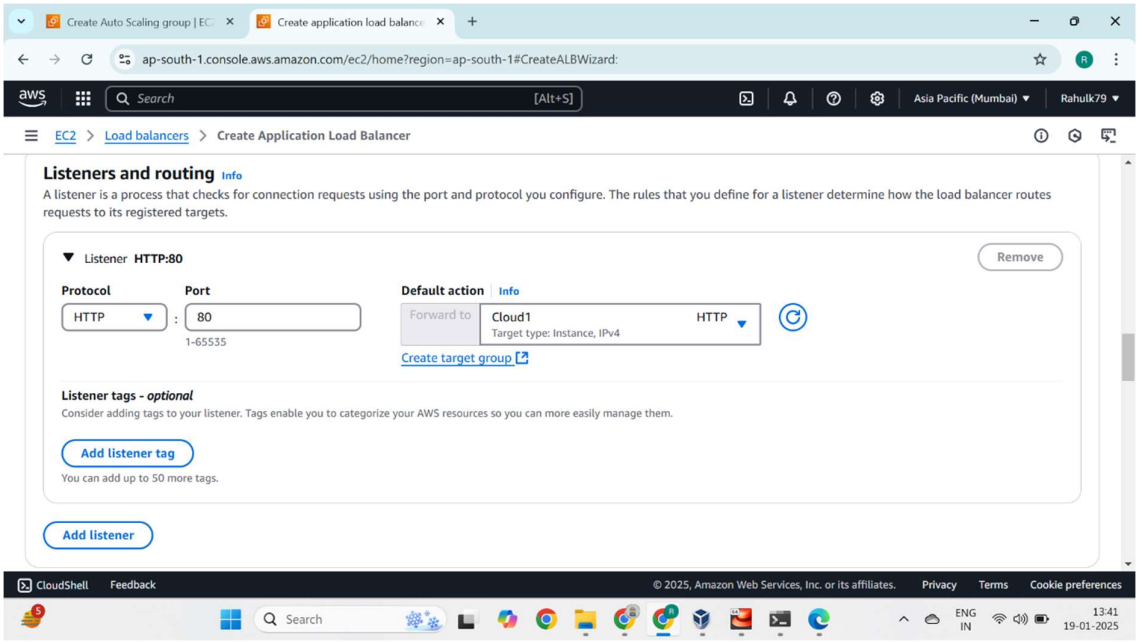
Terms
Cookie preferences
Search
ENG
IN
13:38
19-01-2025


Create Auto Scaling group | EC
Create application load balance
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
Cloud1
Target type: Instance, IPv4
HTTP
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
CloudShell
Feedback
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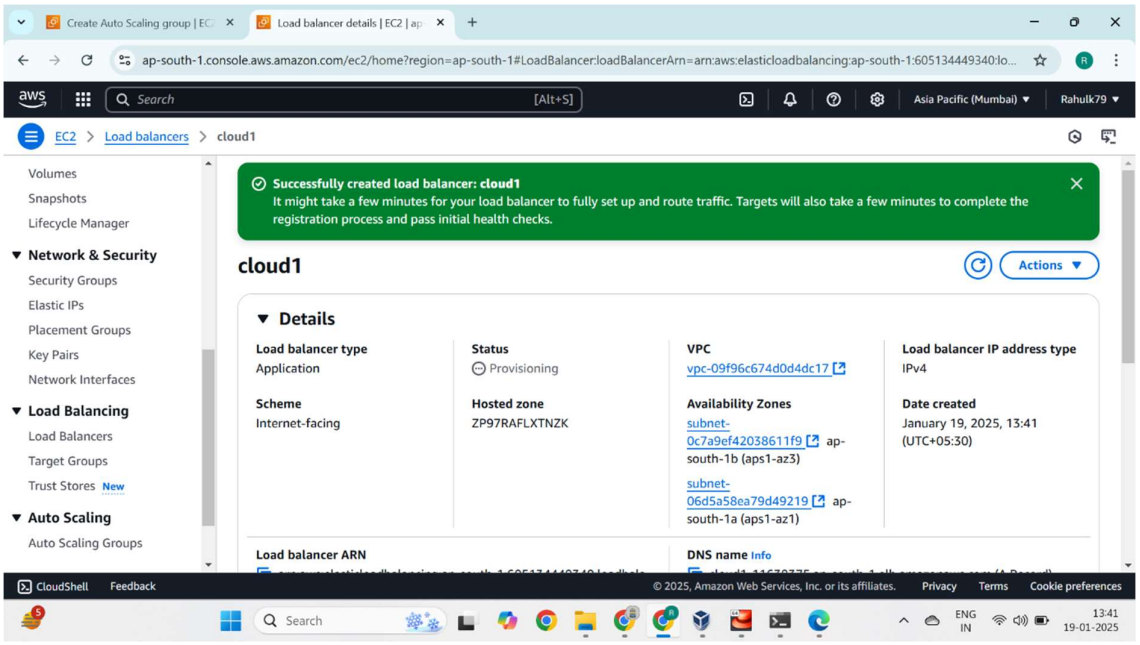
Cookie preferences
Search
ENG
IN
13:41
19-01-2025


Create Auto Scaling group | EC
Load balancer details | EC2 | ap
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 > cloud1
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
Auto Scaling Groups
Successfully created load balancer: cloud1
It might take a few minutes for your load balancer to fully set up and route traffic. Targets will also take a few minutes to complete the registration process and pass initial health checks.
cloud1
Actions
Details
Load balancer type
Application
Status
Provisioning
VPC
vpc-09f96c674d0d4dc17
Load balancer IP address type
IPv4
Scheme
Internet-facing
Hosted zone
ZP97RAFLXTNZK
Availability Zones
subnet-0c7a9ef42038611f9 ap-south-1b (aps1-az3)
subnet-06d5a58ea79d49219 ap-south-1a (aps1-az1)
Date created
January 19, 2025, 13:41 (UTC+05:30)
Load balancer ARN
DNS name Info
CloudShell
Feedback
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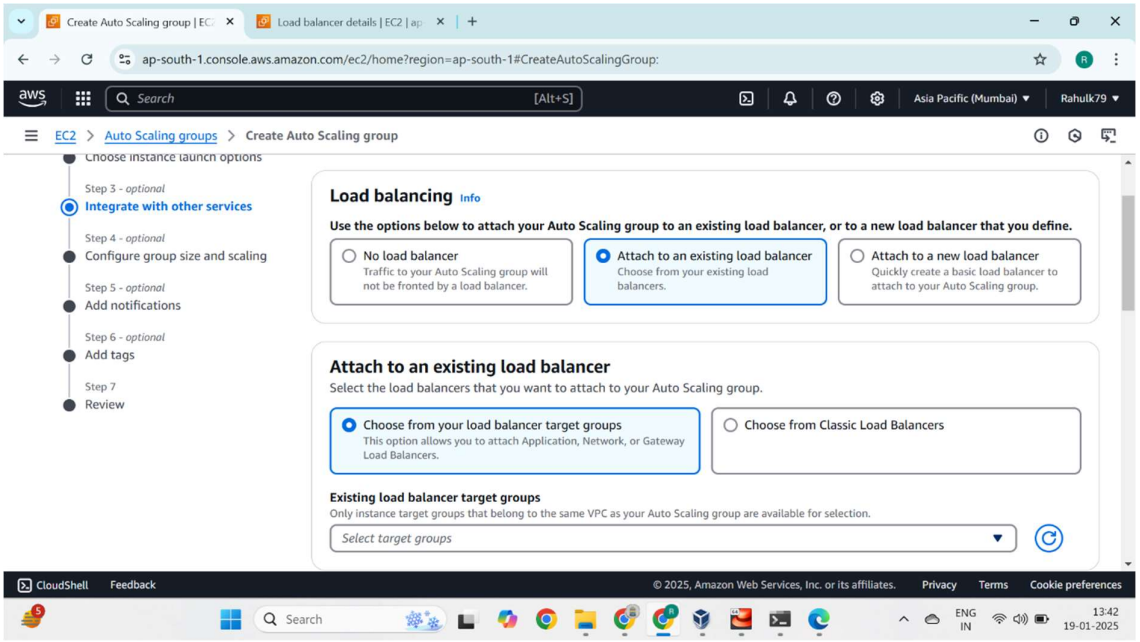
Cookie preferences
Search
ENG
IN
13:41
19-01-2025


Create Auto Scaling group | EC2
Load balancer details | EC2 | ap
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateAutoScalingGroup:
Search [Alt+S]
Asia Pacific (Mumbai)
Rahulk79
EC2 > Auto Scaling groups > Create Auto Scaling group
Choose instance launch options
Step 3 - optional
Integrate with other services
Step 4 - optional
Configure group size and scaling
Step 5 - optional
Add notifications
Step 6 - optional
Add tags
Step 7
Review
Load balancing Info
Use the options below to attach your Auto Scaling group to an existing load balancer, or to a new load balancer that you define.
No load balancer
Traffic to your Auto Scaling group will not be fronted by a load balancer.
Attach to an existing load balancer
Choose from your existing load balancers.
Attach to a new load balancer
Quickly create a basic load balancer to attach to your Auto Scaling group.
Attach to an existing load balancer
Select the load balancers that you want to attach to your Auto Scaling group.
Choose from your load balancer target groups
This option allows you to attach Application, Network, or Gateway Load Balancers.
Choose from Classic Load Balancers
Existing load balancer target groups
Only instance target groups that belong to the same VPC as your Auto Scaling group are available for selection.
Select target groups
CloudShell
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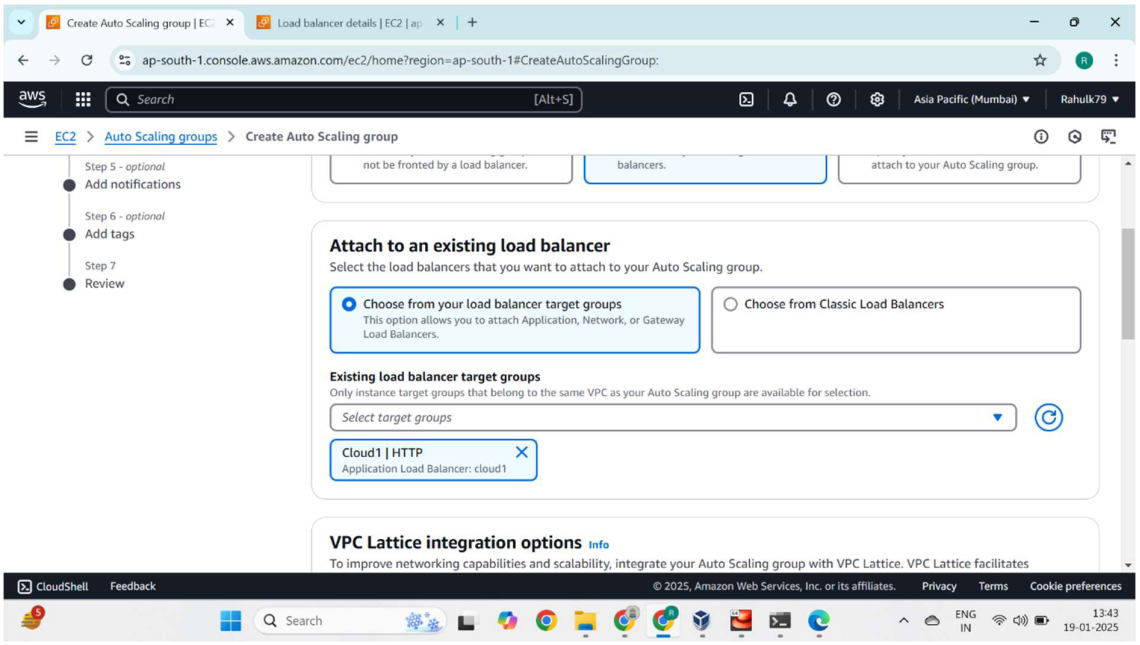
Cookie preferences
Search
ENG
IN
13:42
19-01-2025


Create Auto Scaling group | EC2
Load balancer details | EC2 | ap
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateAutoScalingGroup:
Search [Alt+S]
Asia Pacific (Mumbai)
Rahulk79
EC2 > Auto Scaling groups > Create Auto Scaling group
Step 5 - optional
Add notifications
Step 6 - optional
Add tags
Step 7
Review
not be fronted by a load balancer.
balancers.
attach to your Auto Scaling group.
Attach to an existing load balancer
Select the load balancers that you want to attach to your Auto Scaling group.
Choose from your load balancer target groups
This option allows you to attach Application, Network, or Gateway Load Balancers.
Choose from Classic Load Balancers
Existing load balancer target groups
Only instance target groups that belong to the same VPC as your Auto Scaling group are available for selection.
Select target groups
Cloud1 | HTTP
Application Load Balancer: cloud1
VPC Lattice integration options Info
To improve networking capabilities and scalability, integrate your Auto Scaling group with VPC Lattice. VPC Lattice facilitates
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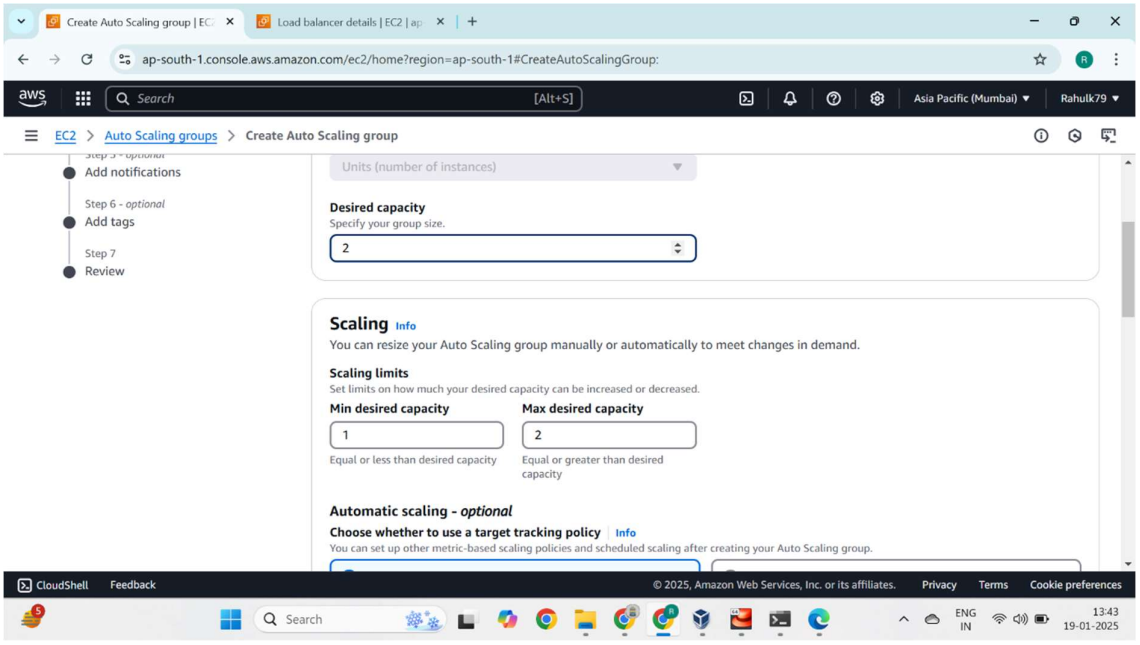
Search
ENG
IN
13:43
19-01-2025


Create Auto Scaling group | EC2
Load balancer details | EC2 | ap
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateAutoScalingGroup:
Search [Alt+S]
Asia Pacific (Mumbai)
Rahulk79
EC2 > Auto Scaling groups > Create Auto Scaling group
Add notifications
Step 6 - optional
Add tags
Step 7
Review
Units (number of instances)
Desired capacity
Specify your group size.
2
Scaling Info
You can resize your Auto Scaling group manually or automatically to meet changes in demand.
Scaling limits
Set limits on how much your desired capacity can be increased or decreased.
Min desired capacity
1
Equal or less than desired capacity
Max desired capacity
2
Equal or greater than desired capacity
Automatic scaling - optional
Choose whether to use a target tracking policy Info
You can set up other metric-based scaling policies and scheduled scaling after creating your Auto Scaling group.
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Cookie preferences
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ENG
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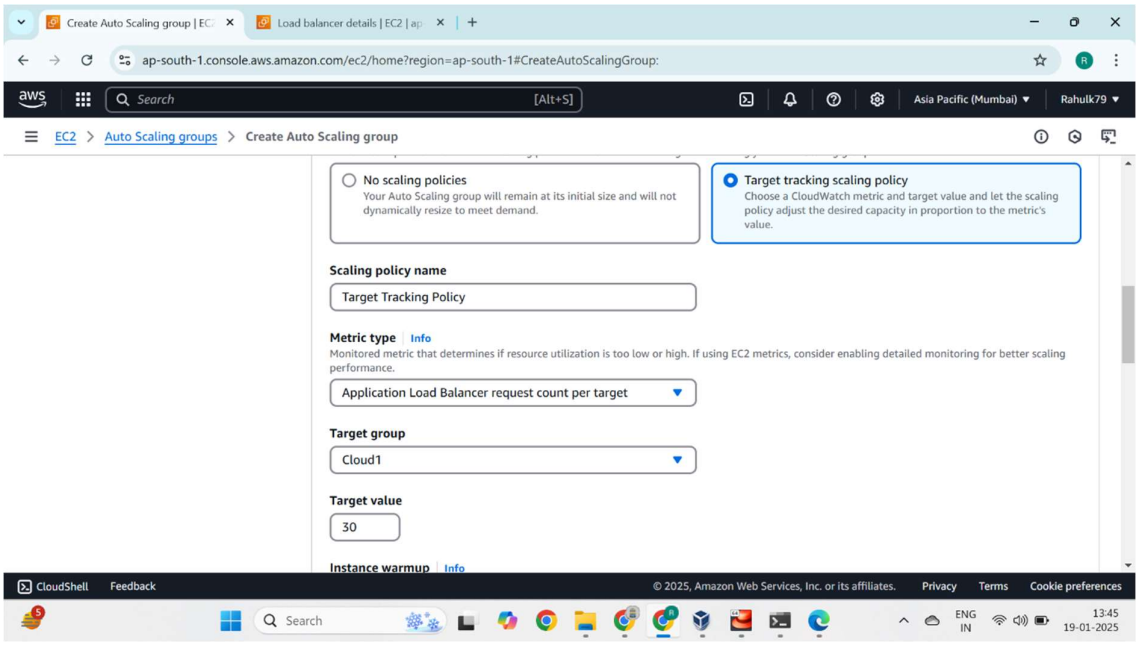
13:43
19-01-2025


Create Auto Scaling group | EC2
Load balancer details | EC2 | ap
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateAutoScalingGroup:
Search [Alt+S]
Asia Pacific (Mumbai)
Rahulk79
EC2 > Auto Scaling groups > Create Auto Scaling group
No scaling policies
Your Auto Scaling group will remain at its initial size and will not dynamically resize to meet demand.
Target tracking scaling policy
Choose a CloudWatch metric and target value and let the scaling policy adjust the desired capacity in proportion to the metric's value.
Scaling policy name
Target Tracking Policy
Metric type Info
Monitored metric that determines if resource utilization is too low or high. If using EC2 metrics, consider enabling detailed monitoring for better scaling performance.
Application Load Balancer request count per target
Target group
Cloud1
Target value
30
Instance warmup Info
CloudShell
Feedback
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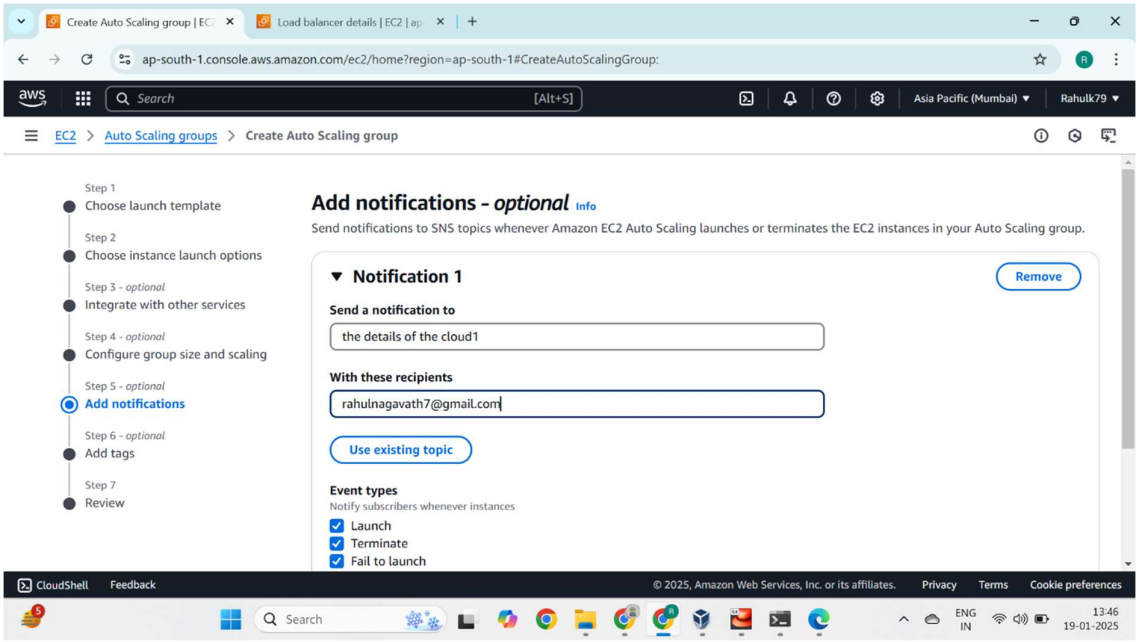
Search
ENG
IN
13:45
19-01-2025


Create Auto Scaling group | EC2
Load balancer details | EC2 | ap
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateAutoScalingGroup:
Search
[Alt+S]
Asia Pacific (Mumbai)
Rahulk79
EC2 > Auto Scaling groups > Create Auto Scaling group
Step 1
Choose launch template
Step 2
Choose instance launch options
Step 3 - optional
Integrate with other services
Step 4 - optional
Configure group size and scaling
Step 5 - optional
Add notifications
Step 6 - optional
Add tags
Step 7
Review
Add notifications - optional Info
Send notifications to SNS topics whenever Amazon EC2 Auto Scaling launches or terminates the EC2 instances in your Auto Scaling group.
Notification 1
Remove
Send a notification to
the details of the cloud1
With these recipients
rahulnagavath7@gmail.com
Use existing topic
Event types
Notify subscribers whenever instances
Launch
Terminate
Fail to launch
CloudShell
Feedback
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Privacy
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Search
ENG
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13:46
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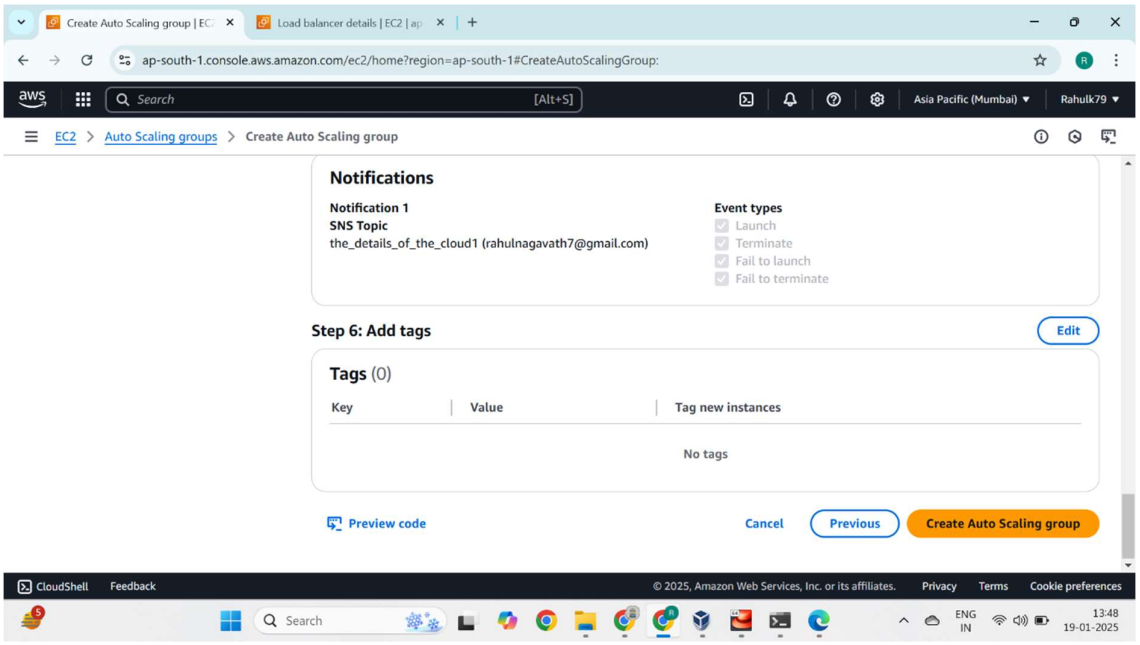
Create Auto Scaling group | EC2
Load balancer details | EC2 | ap
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateAutoScalingGroup:
Search
[Alt+S]
Asia Pacific (Mumbai)
Rahulk79
EC2 > Auto Scaling groups > Create Auto Scaling group
Notifications
Notification 1
SNS Topic
the_details_of_the_cloud1 (rahulnagavath7@gmail.com)
Event types
Launch
Terminate
Fail to launch
Fail to terminate
Step 6: Add tags
Edit
Tags (0)
Key
Value
Tag new instances
No tags
Preview code
Cancel
Previous
Create Auto Scaling group
CloudShell
Feedback
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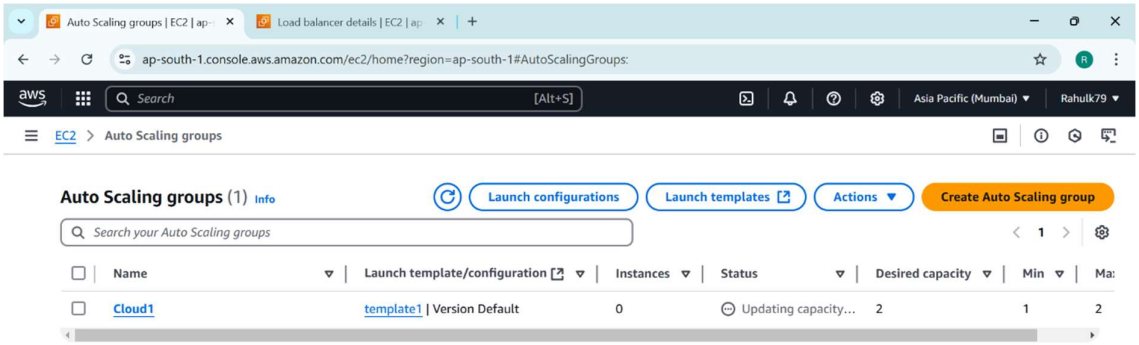
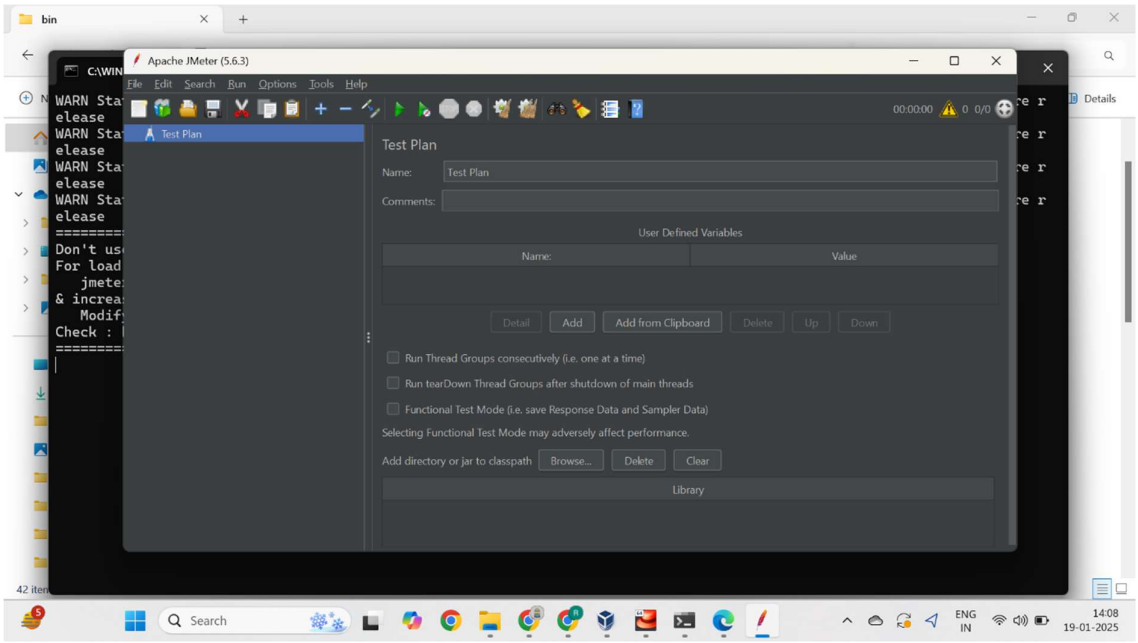
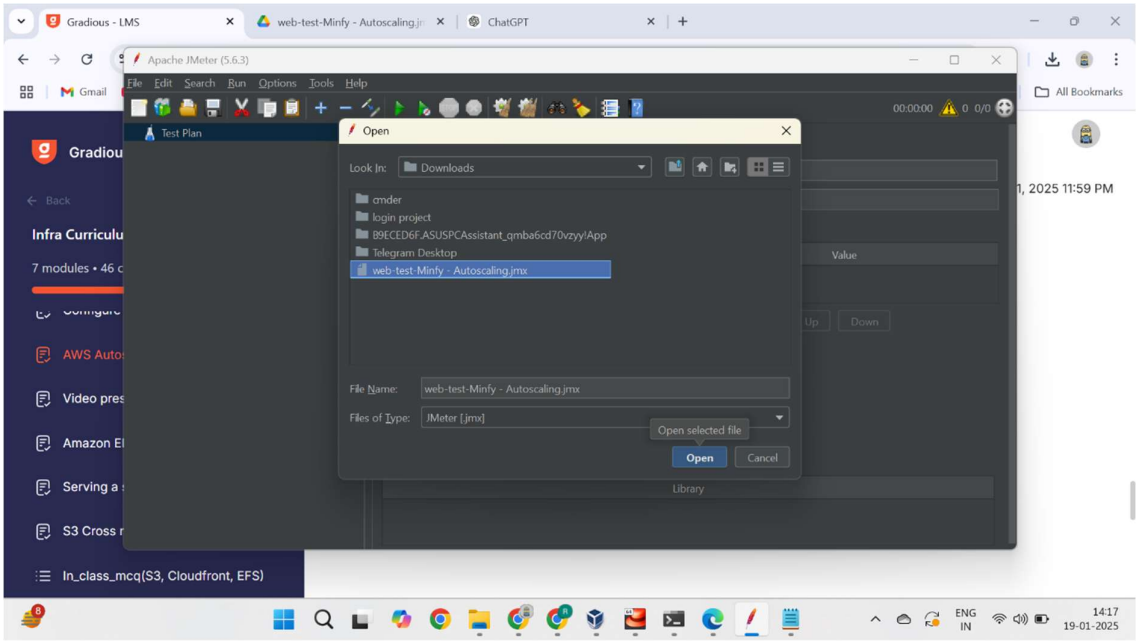
Terms
Cookie preferences
Search
ENG
IN
13:48
19-01-2025



0 Auto Scaling groups selected




Gradious - LMS
web-test-Minfy - Autoscaling.jm
ChatGPT
Apache JMeter (5.6.3)
File Edit Search Run Options Tools Help
Test Plan
Open
Look In: Downloads
cmder
login project
B9ECED6F.ASUSPCAssistant_qmba6cd70vzyy!App
Telegram Desktop
web-test-Minfy - Autoscaling.jmx
File Name: web-test-Minfy - Autoscaling.jmx
Files of Type: JMeter [.jmx]
Open selected file
Open
Cancel
Library
Value
Up
Down
1, 2025 11:59 PM
All Bookmarks
Infra Curriculu
7 modules • 46
AWS Auto
Video pres
Amazon El
Serving a
S3 Cross
In_class_mcq(S3, Cloudfront, EFS)
ENG
IN
14:17
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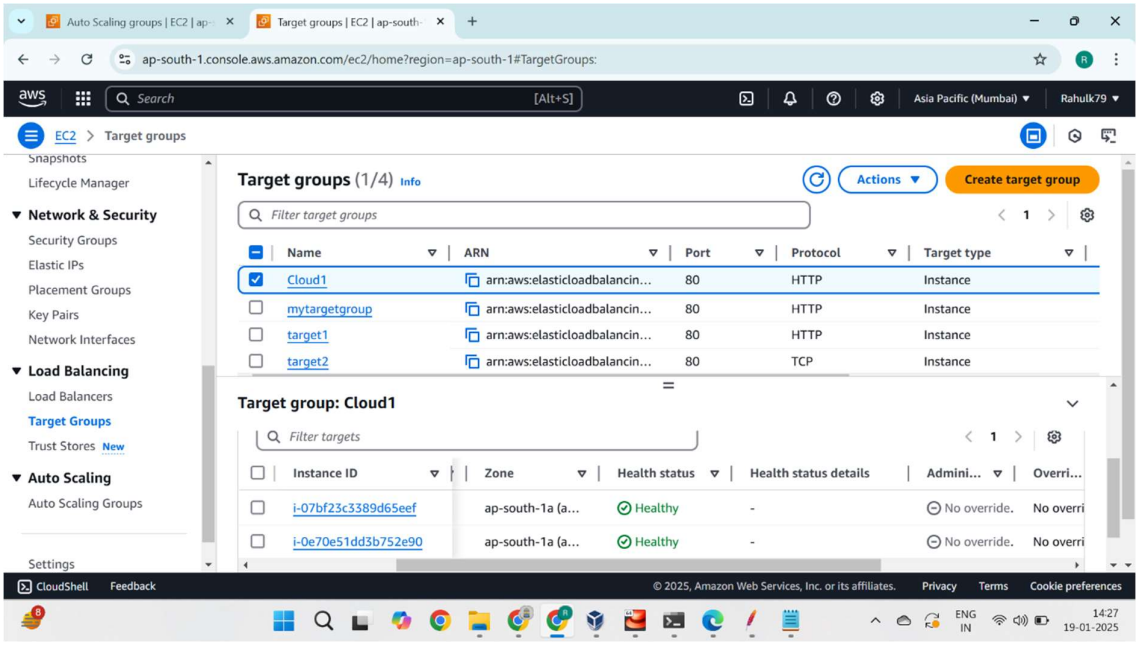
Auto Scaling groups | EC2 | ap-
Target groups | EC2 | ap-south-
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#TargetGroups:
Search [Alt+S]
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EC2 > Target groups
Snapshots
Lifecycle Manager
Network & Security
Security Groups
Elastic IPs
Placement Groups
Key Pairs
Network Interfaces
Load Balancing
Load Balancers
Target Groups
Trust Stores New
Auto Scaling
Auto Scaling Groups
Settings
Target groups (1/4) Info
Actions
Create target group
Filter target groups
Name | ARN | Port | Protocol | Target type
Cloud1 | arn:aws:elasticloadbalancin... | 80 | HTTP | Instance
mytargetgroup | arn:aws:elasticloadbalancin... | 80 | HTTP | Instance
target1 | arn:aws:elasticloadbalancin... | 80 | HTTP | Instance
target2 | arn:aws:elasticloadbalancin... | 80 | TCP | Instance
Target group: Cloud1
Filter targets
Instance ID | Zone | Health status | Health status details | Admini... | Overri...
i-07bf23c3389d65eef | ap-south-1a (a... | Healthy | - | No override. | No overri
i-0e70e51dd3b752e90 | ap-south-1a (a... | Healthy | - | No override. | No overri
CloudShell
Feedback
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19-01-2025