Screenshot 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%6C;client:false

aws   Search   [Alt+S]   Asia Pacific (Mumbai) ▼   poornima%20salian ▼

Instances Info   Last updated less than a minute ago   Connect   Instance state ▼   Actions ▼   **Launch instances** ▼

Find instance by attribute or tag (case-sensitive)   All states ▼   < 1 >

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Pu

No instances

You do not have any instances in this region

Launch instances

Select an instance

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
▼ Elastic Block Store
  Volumes
  Snapshots
  Lifecycle Manager
▼ Network & Security

USD/INR +0.32%   ENG IN   12:01 12/01/2025

Screenshot 2

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%6C;client:false

aws   Search   [Alt+S]   Asia Pacific (Mumbai) ▼   poornima%20salian ▼

Instances (1/3) Info   Last updated 1 minute ago   Connect   Instance state ▼   Actions ▼   **Launch instances** ▼

Find instance by attribute or tag (case-sensitive)   All states ▼   < 1 >

	Name	Instance ID	Instance state	Instance t...	Status check	Alarm status	Availability Zone	ec
☑	Myfirstinstance	i-02d06581a54133890	⊘ Running	t2.micro	⊘ 2/2 checks passed..	View alarms +	ap-south-1b	ec
☐	Mysecondinstance	i-08fe0bcb8235502f4	⊘ Running	t2.micro	⊘ 2/2 checks passed..	View alarms +	ap-south-1b	ec
☐	Mythirdinstance	i-0ba44e4f7d5fcba76	⊘ Running	t2.micro	⊘ 2/2 checks passed..	View alarms +	ap-south-1b	ec

i-02d06581a54133890 (Myfirstinstance)

Details   Status and alarms   Monitoring   Security   Networking   Storage   Tags

▼ Instance summary Info

Instance ID
i-02d06581a54133890

IPv6 address
–

Hostname type
IP name: ip-172-31-13-41.ap-south-1.compute.internal

Public IPv4 address
52.66.82.141 | open address ↗

Instance state
⊘ Running

Private IP DNS name (IPv4 only)
ip-172-31-13-41.ap-south-1.compute.internal

Private IPv4 addresses
172.31.13.41

Public IPv4 DNS
ec2-52-66-82-141.ap-south-1.compute.amazonaws.com |
open address ↗

Dashboard
EC2 Global View
Events
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  Dedicated Hosts
  Capacity Reservations
▼ Images
  AMIs
  AMI Catalog
▼ Elastic Block Store
  Volumes
  Snapshots
  Lifecycle Manager
▼ Network & Security

28°C Smoke   ENG IN   12:54 12/01/2025

Screenshot 3

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#LoadBalancer:loadBalancerArn=arn:aws:elasticloadbalancing:ap-south-1:061039807694:loadbalancer/app/task-ALB/b2...

aws   Search   [Alt+S]   Asia Pacific (Mumbai) ▼   poornima%20salian ▼

EC2 > Load balancers > task-ALB

task-ALB   Actions ▼

▼ **Details**

Load balancer type	Status	VPC	Load balancer IP address type
Application	⊘ Active	vpc-0dbfc1f8eed102939 ↗	IPv4

Scheme	Hosted zone	Availability Zones	Date created
Internet-facing	ZP97RAFLXTNZK	subnet-031b0350e3bf7bb4b ↗ ap-south-1a (aps1-az1)	January 12, 2025, 13:04 (UTC+05:30)
		subnet-07bef4622237611ed ↗ ap-south-1c (aps1-az2)	
		subnet-0bced9fcb4831e6b5 ↗ ap-south-1b (aps1-az3)	

Load balancer ARN
arn:aws:elasticloadbalancing:ap-south-1:061039807694:loadbalancer/app/task-ALB/b2d73caa821d2195

DNS name Info
task-ALB-1815199417.ap-south-1.elb.amazonaws.com (A Record)

< Listeners and rules   Network mapping   Resource map - *new*   Security   Monitoring   Integrations   Attributes   Capacity - n▸ >

Listeners and rules (1) Info   Manage rules ▼   Manage listener ▼   **Add listener**

A listener checks for connection requests on its configured protocol and port. Traffic received by the listener is routed according to the default action and any additional rules.

Dashboard
EC2 Global View
Events
▼ Instances
  Instances
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  Capacity Reservations
▼ Images
  AMIs
  AMI Catalog
▼ Elastic Block Store
  Volumes
  Snapshots
  Lifecycle Manager
▼ Network & Security
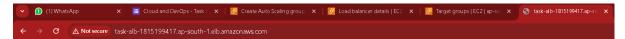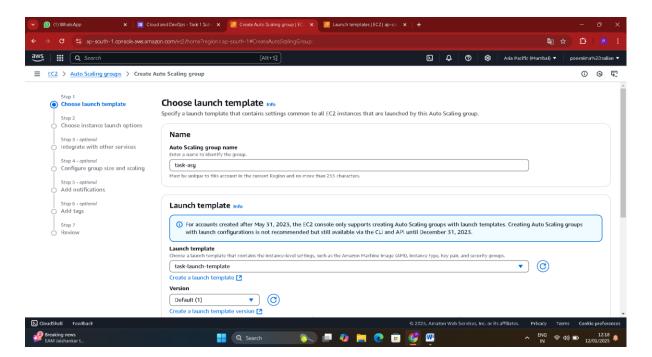
28°C Smoke   ENG IN   13:10 12/01/2025
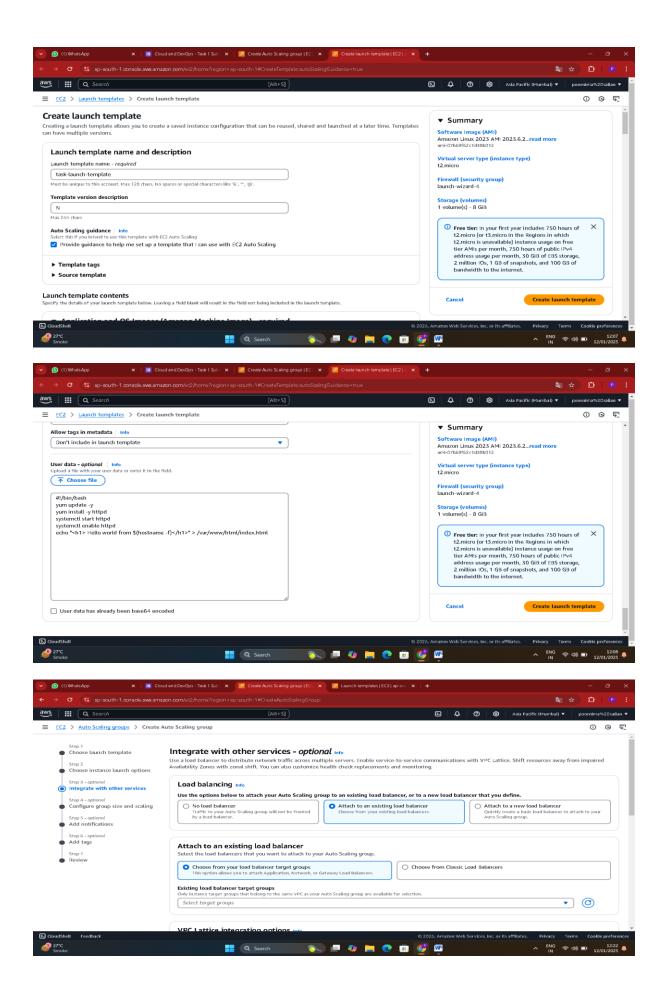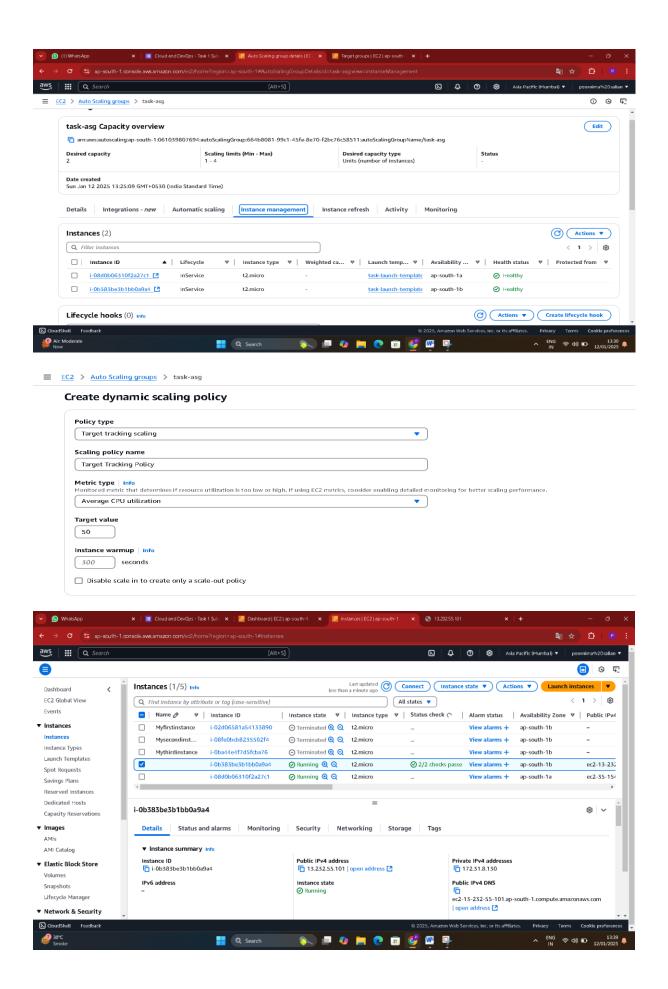
Hello world from ip-172-31-6-61.ap-south-1.compute.internal

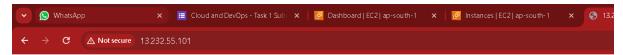**Hello world from ip-172-31-13-41.ap-south-1.compute.internal**

Hello world from ip-172-31-12-202.ap-south-1.compute.internal

Screenshot 1

EC2 > Launch templates > Create launch template

Create launch template

Creating a launch template allows you to create a saved instance configuration that can be reused, shared and launched at a later time. Templates can have multiple versions.

Launch template name and description

Launch template name - *required*

task-launch-template

Must be unique to this account. Max 128 chars. No spaces or special characters like '&', '*', '@'.

Template version description

N

Max 255 chars

Auto Scaling guidance | Info
Select this if you intend to use this template with EC2 Auto Scaling
☑ Provide guidance to help me set up a template that I can use with EC2 Auto Scaling

▶ Template tags
▶ Source template

Launch template contents

Specify the details of your launch template below. Leaving a field blank will result in the field not being included in the launch template.

Summary

Software Image (AMI)
Amazon Linux 2023 AMI 2023.6.2...read more
ami-07b69f62c1d38b012

Virtual server type (instance type)
t2.micro

Firewall (security group)
launch-wizard-4

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 usage on free tier AMIs per month, 750 hours of public IPv4 address usage per month, 30 GiB of EBS storage, 2 million IOs, 1 GB of snapshots, and 100 GB of bandwidth to the internet.

Cancel   Create launch template

Screenshot 2

EC2 > Launch templates > Create launch template

Allow tags in metadata | Info

Don't include in launch template ▼

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
systemctl start httpd
systemctl enable httpd
echo "<h1> Hello world from ${hostname -f}</h1>" > /var/www/html/index.html
```

☐ User data has already been base64 encoded

Summary

Software Image (AMI)
Amazon Linux 2023 AMI 2023.6.2...read more
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launch-wizard-4

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Cancel   Create launch template

Screenshot 3

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

Integrate with other services - *optional* Info

Use a load balancer to distribute network traffic across multiple servers. Enable service-to-service communications with VPC Lattice. Shift resources away from impaired Availability Zones with zonal shift. You can also customize health check replacements and monitoring.

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 ▼

VPC Lattice integration options Info

task-asg Capacity overview

Edit

arn:aws:autoscaling:ap-south-1:061039807694:autoScalingGroup:664b8081-99c1-45fa-8e70-f2bc76c58511:autoScalingGroupName/task-asg

Desired capacity	Scaling limits (Min - Max)	Desired capacity type	Status
2	1 - 4	Units (number of instances)	-

Date created
Sun Jan 12 2025 13:25:09 GMT+0530 (India Standard Time)

Details | Integrations - *new* | Automatic scaling | **Instance management** | Instance refresh | Activity | Monitoring

Instances (2)

Actions ▼

Filter instances

	Instance ID ▲	Lifecycle ▼	Instance type ▼	Weighted ca... ▼	Launch temp... ▼	Availability ... ▼	Health status ▼	Protected from ▼
☐	i-08d0b06310f2a27c1 ⧉	InService	t2.micro	-	task-launch-template	ap-south-1a	⊘ Healthy	
☐	i-0b383be3b1bb0a9a4 ⧉	InService	t2.micro	-	task-launch-template	ap-south-1b	⊘ Healthy	

Lifecycle hooks (0) Info

Actions ▼ | Create lifecycle hook

Create dynamic scaling policy

Policy type

Target tracking scaling ▼

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.

Average CPU utilization ▼

Target value

50

Instance warmup | Info

300 seconds

☐ Disable scale in to create only a scale-out policy

Instances (1/5) Info

Connect | Instance state ▼ | Actions ▼ | Launch instances ▼

Find Instance by attribute or tag (case-sensitive)

All states ▼

	Name ✎ ▼	Instance ID	Instance state ▼	Instance type ▼	Status check ⊙	Alarm status	Availability Zone ▼	Public IPv4
☐	Myfirstinstance	i-02d06581a54133890	⊖ Terminated ⊕ ⊝	t2.micro	...	View alarms +	ap-south-1b	–
☐	Mysecondinst...	i-08fe0bcb8255502f4	⊖ Terminated ⊕ ⊝	t2.micro	...	View alarms +	ap-south-1b	–
☐	Mythirdinstance	i-0ba44e4f7d5fcba76	⊖ Terminated ⊕ ⊝	t2.micro	...	View alarms +	ap-south-1b	–
☑		i-0b383be3b1bb0a9a4	⊘ Running ⊕ ⊝	t2.micro	⊘ 2/2 checks passe	View alarms +	ap-south-1b	ec2-13-232
☐		i-08d0b06310f2a27c1	⊘ Running ⊕ ⊝	t2.micro	...	View alarms +	ap-south-1a	ec2-35-154

i-0b383be3b1bb0a9a4

Details | Status and alarms | Monitoring | Security | Networking | Storage | Tags

▼ Instance summary Info

Instance ID	Public IPv4 address	Private IPv4 addresses
⧉ i-0b383be3b1bb0a9a4	⧉ 13.232.55.101 | open address ⧉	⧉ 172.31.8.130

IPv6 address	Instance state	Public IPv4 DNS
–	⊘ Running	⧉ ec2-13-232-55-101.ap-south-1.compute.amazonaws.com | open address ⧉

WhatsApp ✕ | ☰ Cloud and DevOps - Task 1 Sub ✕ | Dashboard | EC2 | ap-south-1 ✕ | Instances | EC2 | ap-south-1 ✕ | 🌐 13.2

← → C ⚠ Not secure 13.232.55.101

Hello world from ip-172-31-8-130.ap-south-1.compute.internal