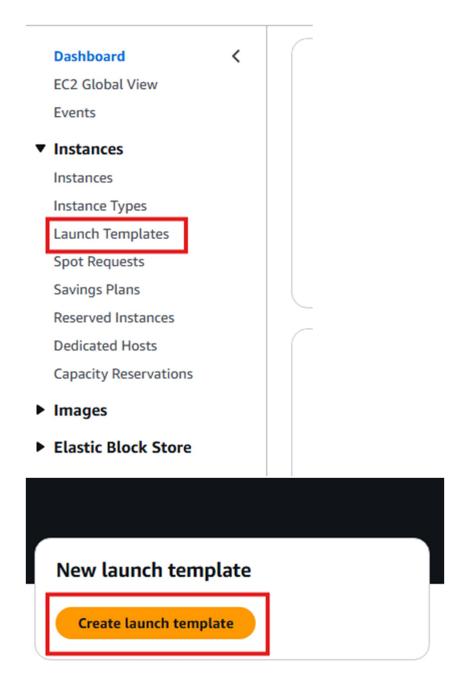




Module 4: Case Study – 1 ELB-ASG-ROUTE53







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.

| Launch template name and description | | | | |
|--|--|--|--|--|
| Launch template name - required XYZ Must be unique to this account. Max 128 chars. No spaces or special characters like '&', '**, '@'. | | | | |
| Template version description | | | | |
| XYZ Corporation | | | | |
| 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

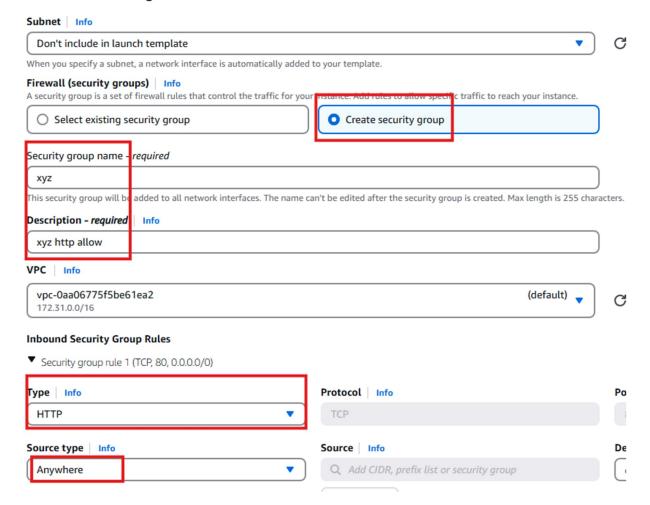
Specify the details of your launch template below. Leaving a field blank will result in the field not being included in the launch template.

▼ Application and OS Images (Amazon Machine Image) Info An AMI is a template that contains the software configuration (operating system, application server, and applications) required to lat what you are looking for below Q Search our full catalog including 1000s of application and OS images Recents **Quick Start** Don't include macOS Ubuntu Windows Red Hat SUSE Linux Debian Amazon Linux template 0 aws SUSE ubuntu® Microsoft Red Hat Mac debian





▼ Network settings Info







▼ Summary

Software Image (AMI)

Amazon Linux 2 Kernel 5.10 AMI...read more ami-0f214d1b3d031dc53

Virtual server type (instance type)

_

Firewall (security group)

New security group

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

Target Groups

Trust Stores New

▼ Auto Scaling

Auto Scaling Groups

Create Auto Scaling group

Get started with EC2 Auto Scaling by creating an Auto Scaling group.

Create Auto Scaling group



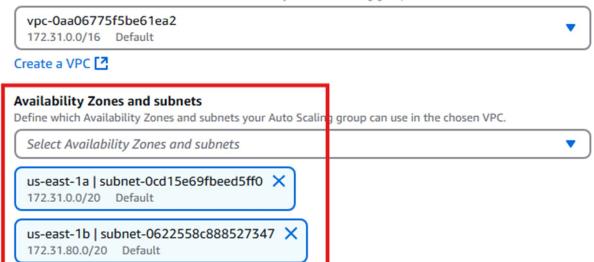


Network Info

For most applications, you can use multiple Availability Zones and let EC2 Auto Scaling balance you quickly.

VPC

Choose the VPC that defines the virtual network for your Auto Scaling group.



Create a subnet 🛂

Availability Zone distribution - new

Auto Scaling automatically balances instances across Availability Zones. If launch failures occur in a zone, select a :



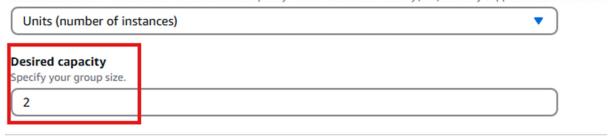


Group size Info

Set the initial size of the Auto Scaling group. After creating the group, you can change its size to meet dem

Desired capacity type

Choose the unit of measurement for the desired capacity value. vCPUs and Memory(GiB) are only supported for mixed insta



Scaling Info

You can resize your Auto Scaling group manually or automatically to meet changes in demand.

Scaling limits

Cancel

Previous

| Set limits on how much your desired capacity can be increased or decreased. | | | | |
|---|----------------------------------|---------|--|--|
| Min desired capacity | Max desired capacity | | | |
| 1 | 3 | | | |
| Equal or less than desired capacity | Equal or greater than desired ca | apacity | | |
| Automatic scaling - ontions | ıl | | | |
| | Edit | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Create Auto Scaling group





XYZ-ASG

XYZ-ASG Capacity overview

arn:aws:autoscaling:us-east-1:851725170629:autoScalingGroup:755b4f95-524e-

Desired capacity

2

Scaling limits (Min - Ma

1 - 3

Date created

Wed Jan 29 2025 14:37:46 GMT+0530 (India Standard Time)

Details

Integrations - new

Automatic scaling

Instance mar

Scaling policies resize your Auto Scaling group to meet changes in demand. With rescaling policies along with dynamic scaling policies in the following situations: whe

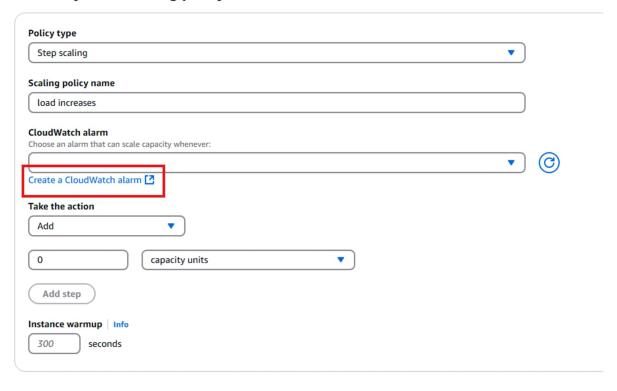
Dynamic scaling policies (0) Info



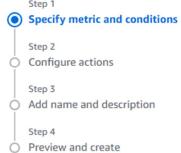




Create dynamic scaling policy



CloudWatch > Alarms > Create alarm

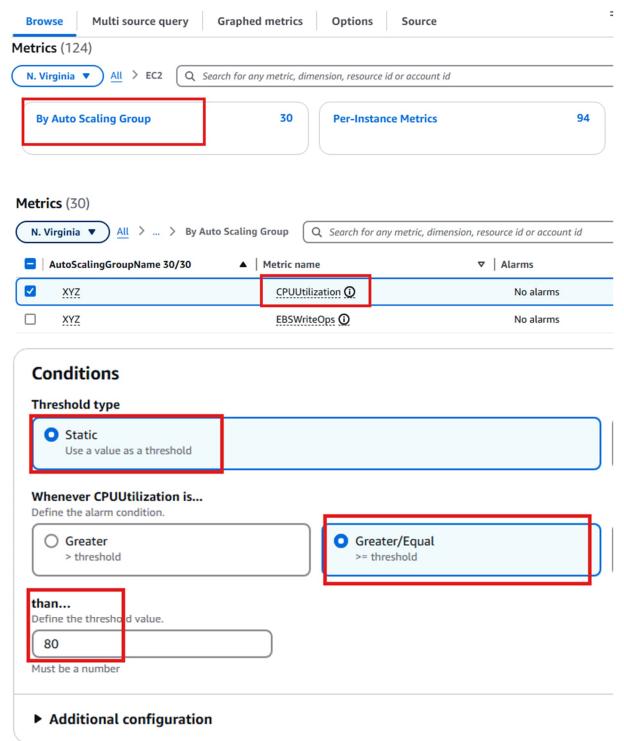


Specify metric and conditions

| Metric | |
|-----------------------------------|--|
| Graph Preview of the metric or me | tric expression and the alarm threshold. |











Cancel Previous Create alarm

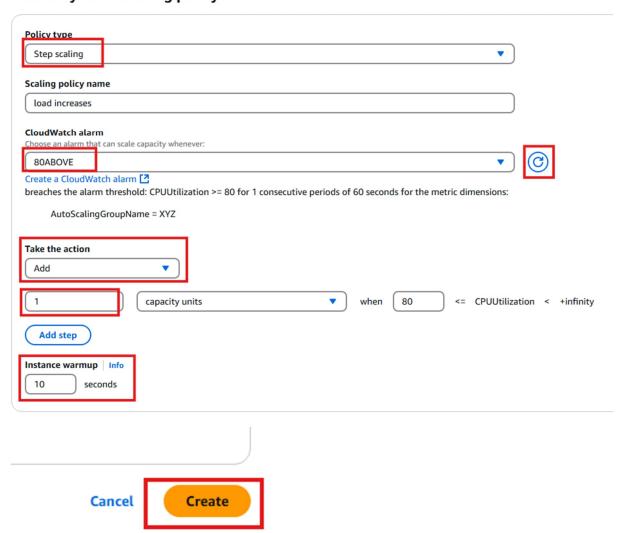
| Conditions Threshold type | |
|--|---|
| Static Use a value as a threshold | O Anomaly detection Use a band as a threshold |
| Whenever CPUUtilization is Define the alarm condition. Greater > threshold Greater/Equal >= threshold | Lower/Equal <= threshold |
| than Define the threshold value. 60 Must be a number | |







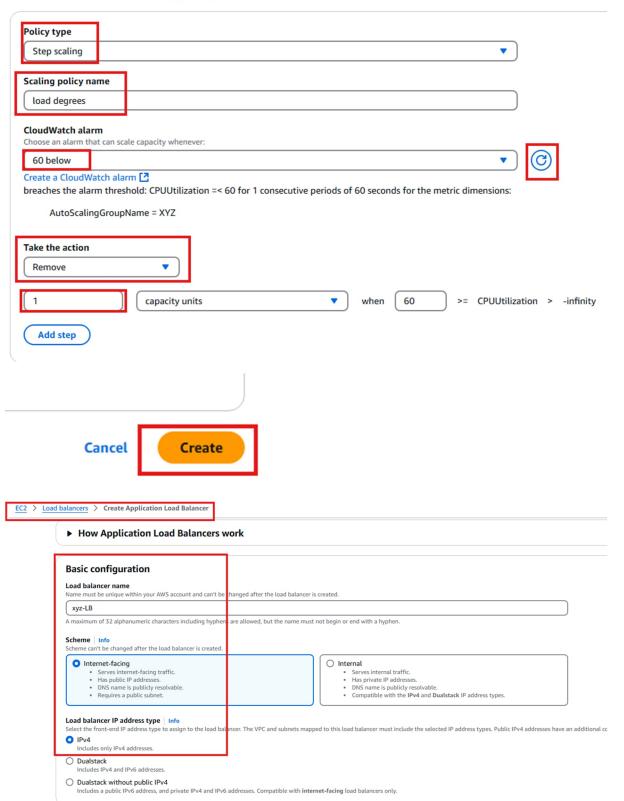
Create dynamic scaling policy





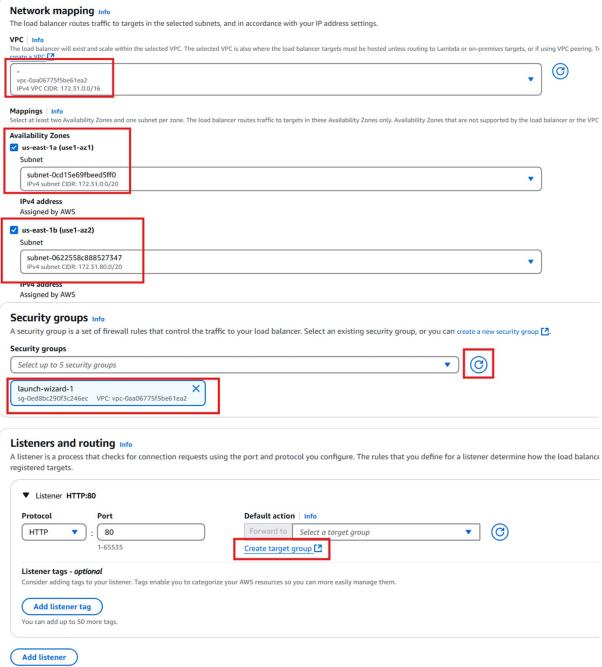


Create dynamic scaling policy







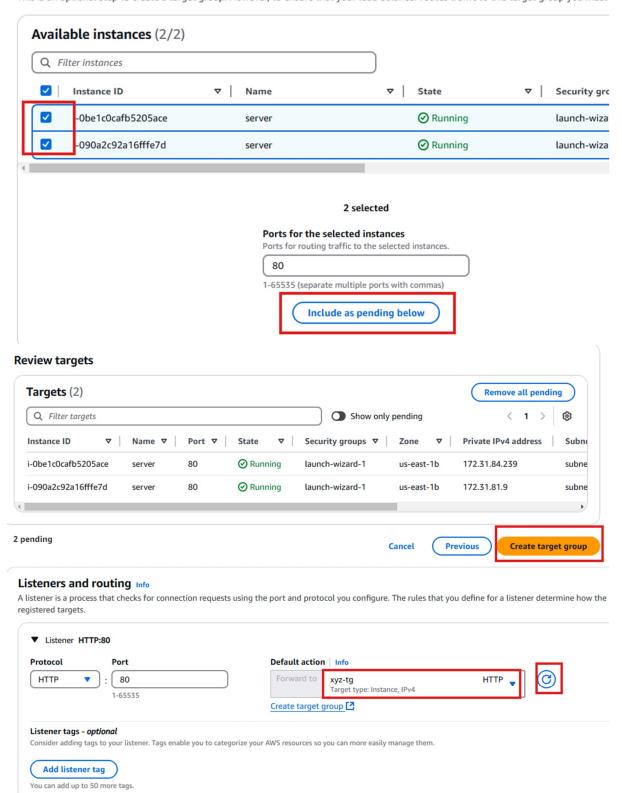






Register targets

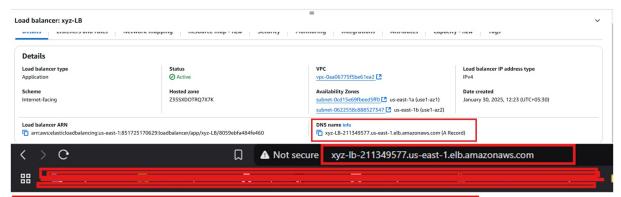
This is an optional step to create a target group. However, to ensure that your load balancer routes traffic to this target group you must











Hello World from ip-172-31-84-239.ec2.internal