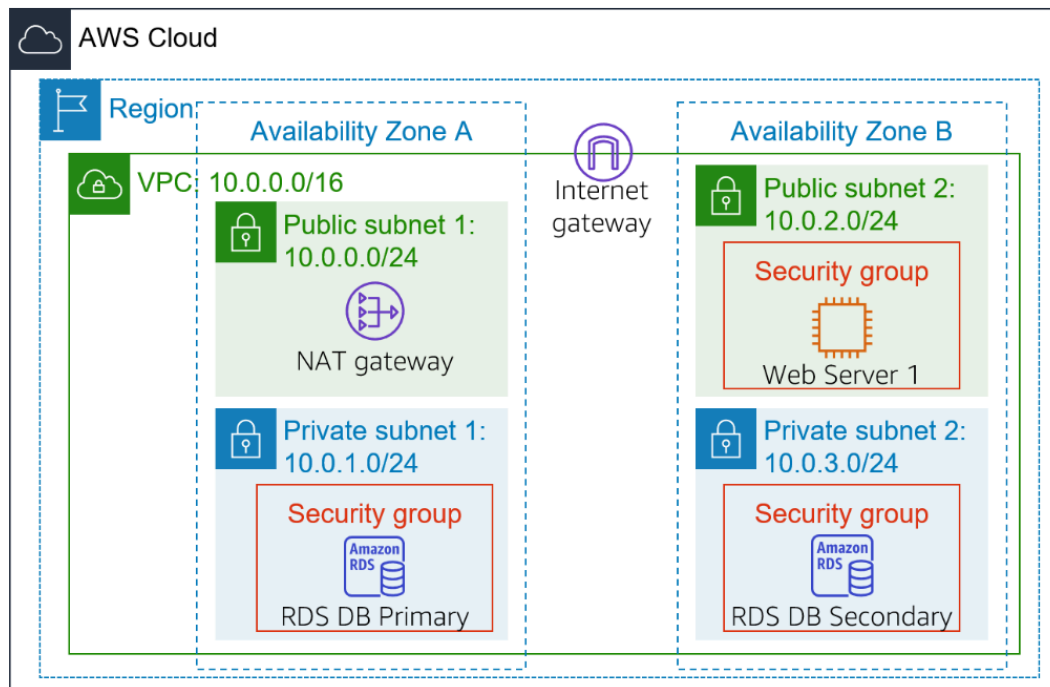


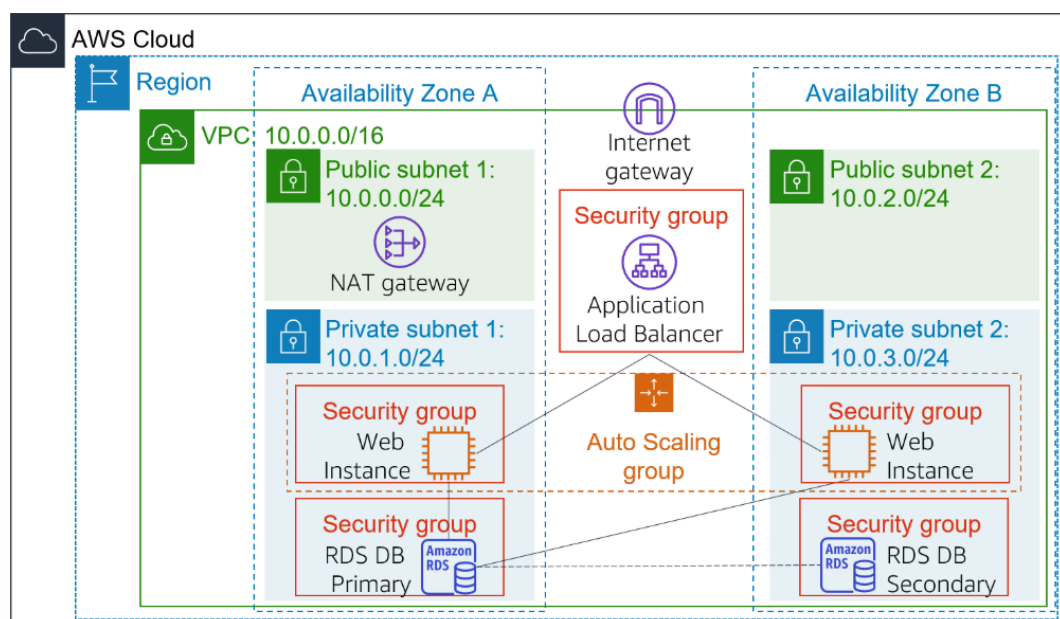
Lab 6: Scale and Load Balance Your Architecture

Scenario

You start with the following infrastructure:



The final state of the infrastructure is:



Resumen

Hoy trabajé en un laboratorio práctico de AWS donde aprendí a configurar servicios clave para escalar y balancear cargas en una infraestructura en la nube. El objetivo era implementar Elastic Load Balancing (ELB) y Auto Scaling para asegurarme de que mi aplicación web pudiera manejar tráfico fluctuante de manera eficiente, sin preocuparme por sobrecargar los servidores o gastar de más cuando no hay demanda.

El proceso fue bastante interesante porque pude ver cómo AWS automatiza muchas tareas complejas, como agregar o eliminar servidores según la carga de trabajo.

Procedimiento

En esta actividad describe paso a paso cómo configurar un sistema con balanceo de carga y escalado automático utilizando los servicios Elastic Load Balancing (ELB) y Auto Scaling de Amazon Web Services (AWS). El objetivo es crear una infraestructura altamente disponible, escalable y optimizada para manejar fluctuaciones en la demanda.

Instances (1/2) [Info](#) Last updated 1 minute ago [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
<input type="checkbox"/>	Bastion Host	i-0df1e16ddf6791fbe	Running	t2.micro	Initializing
<input checked="" type="checkbox"/>	Web Server 1	i-07a6f873fb432a325	Running	t2.micro	2/2 checks passed

i-07a6f873fb432a325 (Web Server 1)

[Details](#) | [Status and alarms](#) | [Monitoring](#) | [Security](#) | [Networking](#) | [Storage](#) | [Tags](#)

- 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

[Connect](#) [Instance state](#) [Actions](#) [Launch instances](#)

[All states](#)

[Instance type](#) [Status check](#)

t2.micro Initializing

t2.micro 2/2 checks passed

- 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

[EC2](#) > [Instances](#) > [i-07a6f873fb432a325](#) > Create image

Create image [Info](#)

An image (also referred to as an AMI) defines the programs and settings that are applied when you launch an EC2 instance. You can create an image from t

Instance ID
☒ [i-07a6f873fb432a325](#) (Web Server 1)

Image name

WebServerAMI

Maximum 127 characters. Can't be modified after creation.

Image description - optional

Lab AMI for Web Server

Maximum 255 characters

☒ **Reboot instance**

When selected, Amazon EC2 reboots the instance so that data is at rest when snapshots of the attached volumes are taken. This ensures data consistency.

✓ Currently creating AMI [ami-0f35b405675888b75](#) from instance [i-07a6f873fb432a325](#). Check that the AMI status is 'Available' before deleting the instance or carrying out other actions related to this AMI.

Crear un tg

EC2 > Target groups > Create target group

- Step 1
Specify group details
- Step 2
Register targets

Specify group details

Your load balancer routes requests to the targets in a target group and performs health checks on the 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.

Target group name

LabGroup

A maximum of 32 alphanumeric characters including hyphens are allowed, but the name must not begin or end with a hyphen.

Protocol : Port

Choose a protocol for your target group that corresponds to the Load Balancer type that will route traffic to it. Some protocols now include anomaly detection for the targets and you can set mitigation options once your target group is created. This choice cannot be changed after creation

HTTP

80

1-65535

IP address type

Only targets with the indicated IP address type can be registered to this target group.

☒ **IPv4**

Each instance has a default network interface (eth0) that is assigned the primary private IPv4 address. The instance's primary private IPv4 address is the one that will be applied to the target.

☐ **IPv6**

Each instance you register must have an assigned primary IPv6 address. This is configured on the instance's default network interface (eth0). [Learn more](#)

VPC

Select the VPC with the instances that you want to include in the target group. Only VPCs that support the IP address type selected above are available in this list.

Lab VPC

vpc-0ac595314bcfe4060

IPv4 VPC CIDR: 10.0.0.0/16

Protocol version

☒ **HTTP1**

Send requests to targets using HTTP/1.1. Supported when the request protocol is HTTP/1.1 or HTTP/2.

☐ **HTTP2**

Send requests to targets using HTTP/2. Supported when the request protocol is HTTP/2 or gRPC, but gRPC-specific features are not available.

Sin registros

✓ Successfully created the target group: **LabGroup**. Anomaly detection is automatically applied to all registered targets. Results can be viewed in the **Targets** tab.

LabGroup

Ac

Details

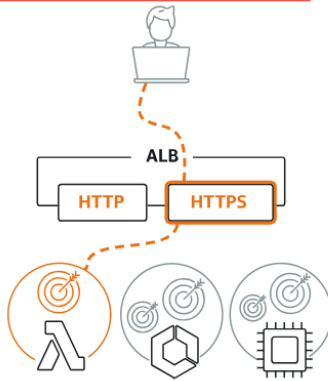
Crear un lb

EC2 > Load balancers > Compare and select load balancer type

A complete feature-by-feature comparison along with detailed highlights is also available. [Learn more](#)

Load balancer types

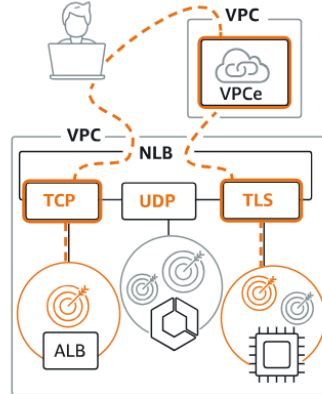
Application Load Balancer [Info](#)



Choose an Application Load Balancer when you need a flexible feature set for your applications with HTTP and HTTPS traffic. Operating at the request level, Application Load Balancers provide advanced routing and visibility features targeted at application architectures, including microservices and containers.

[Create](#)

Network Load Balancer [Info](#)



Choose a Network Load Balancer when you need ultra-high performance, TLS offloading at scale, centralized certificate deployment, support for UDP, and static IP addresses for your applications. Operating at the connection level, Network Load Balancers are capable of handling millions of requests per second securely while maintaining ultra-low latencies.

[Create](#)

Gateway Load Balancer [Info](#)



Choose a Gateway Load Balancer when you need to deploy and manage a fleet of third-party virtual appliances that support GENEVE. These appliances enable you to improve security, compliance, and policy controls.

[Create](#)

EC2 > Load balancers > Create Application Load Balancer

1 Application Load Balancers now support public IPv4 IP Address Management (IPAM)
You can get started with this feature by configuring IP pools in the Network mapping section.

Create Application Load Balancer [Info](#)

The Application Load Balancer distributes incoming HTTP and HTTPS traffic across multiple targets such as Amazon EC2 instances, microservices, and containers, based on request attribute evaluates the listener rules in priority order to determine which rule to apply, and if applicable, it selects a target from the target group for the rule action.

► How Application Load Balancers work

Basic configuration

Load balancer name

Name must be unique within your AWS account and can't be changed after the load balancer is created.

LabELB

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 resolves to public IPs.
- Requires a public subnet.

☐ Internal

- Serves internal traffic.
- Has private IP addresses.
- DNS name resolves to private IPs.
- 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.

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](#).

Lab VPC

vpc-0ac595314bcfe4060
IPv4 VPC CIDR: 10.0.0.0/16

IP pools - new [Info](#)

You can optionally choose to configure an IPAM pool as the preferred source for your load balancers IP addresses. Create or view Pools in [Amazon VPC IP Address Manager console](#).

☐ Use IPAM pool for public IPv4 addresses

The IPAM pool you choose will be the preferred source of public IPv4 addresses. If the pool is depleted IPv4 addresses will be assigned by AWS.

Availability Zones and subnets [Info](#)

Select at least two Availability Zones and a subnet for each zone. A load balancer node will be placed in each selected zone and will automatically scale in response to traffic. The load balancer routes traffic to targets in the selected Availability Zones only.

☒ us-east-1a (use1-az2)

Subnet

Only CIDR blocks corresponding to the load balancer IP address type are used. At least 8 available IP addresses are required for your load balancer to scale efficiently.

subnet-0676797d6ab069d5e
IPv4 subnet CIDR: 10.0.0.0/24

Public Subnet 1

☒ us-east-1b (use1-az4)

Subnet

Only CIDR blocks corresponding to the load balancer IP address type are used. At least 8 available IP addresses are required for your load balancer to scale efficiently.

subnet-06aeef39910d04662
IPv4 subnet CIDR: 10.0.2.0/24

Public Subnet 2

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

Web Security Group

sg-0393009df9b8a559b VPC: vpc-0ac595314bcfe4060

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

Protocol

HTTP

Port

80

1-65535

Default action [Info](#)

Forward to

LabGroup

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](#)

Summary

Review and confirm your configurations. [Estimate cost](#)

Basic configuration [Edit](#)

Name: LabELB

Scheme: Internet-facing

IP address type: IPv4

Network mapping [Edit](#)

VPC: [vpc-0ac595314bcte4060](#)

Public IPv4 IPAM pool: -

Availability Zones and subnets:

- us-east-1a
[subnet-0676797d6ab069d5e](#)
Public Subnet 1
- us-east-1b
[subnet-05aeef39910d04662](#)
Public Subnet 2

Security groups [Edit](#)

Web Security Group

[sg-0393009df9b8a559b](#)

Listeners and routing [Edit](#)

HTTP:80 | Target group: [LabGroup](#)

Service Integrations [Edit](#)

Amazon CloudFront + AWS Web Application Firewall (WAF): -

AWS WAF: -

AWS Global Accelerator: -

Tags [Edit](#)

-

Attributes

ⓘ Certain default attributes will be applied to your load balancer. You can view and edit them after creating the load balancer.

Creation workflow and status

► Server-side tasks and status

After completing and submitting the above steps, all server-side tasks and their statuses become available for monitoring.

[Cancel](#)

[Create load balancer](#)

✔ Successfully created load balancer: LabELB

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.

ⓘ Application Load Balancers now support public IPv4 IP Address Management (IPAM)

You can get started with this feature by configuring [IP pools](#) in the [Network mapping](#) section.

[Edit IP pools](#)

LabELB



[Actions](#)

▼ Details

Load balancer type

Status

VPC

Load balancer IP address type

Create a 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*

LabConfig

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

Template version description

A prod webserver for MyApp

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**

▼ 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 launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

🔍 Search our full catalog including 1000s of application and OS images

Recents

My AMIs

Quick Start

☐ Don't include in launch template

☒ Owned by me

☐ Shared with me



[Browse more AMIs](#)

Including AMIs from
AWS, Marketplace and
the Community

Amazon Machine Image (AMI)

WebServerAMI

ami-0f35b405675888b75

2025-04-23T11:46:56.000Z Virtualization: hvm ENA enabled: true Root device type: ebs Boot mode: uefi-preferred

Description

Lab AMI for Web Server

Architecture

x86_64

AMI ID

ami-0f35b405675888b75

▼ Instance type [Info](#) | [Get advice](#)

[Advanced](#)

Instance type

t2.micro

Free tier eligible

Family: t2 1 vCPU 1 GiB Memory Current generation: true

On-Demand Windows base pricing: 0.0162 USD per Hour On-Demand Ubuntu Pro base pricing: 0.0134 USD per Hour

On-Demand SUSE base pricing: 0.0116 USD per Hour On-Demand RHEL base pricing: 0.026 USD per Hour

On-Demand Linux base pricing: 0.0116 USD per Hour

☐ All generations

[Compare instance types](#)

[Additional costs apply for AMIs with pre-installed software](#)

▼ Key pair (login) [Info](#)

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name


vockey

 [Create new key pair](#)

▼ Network settings [Info](#)

Subnet [Info](#)

Don't include in launch template

 [Create new subnet](#)

When you specify a subnet, a network interface is automatically added to your template.

Firewall (security groups) [Info](#)

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.


☒ Select existing security group

☐ Create security group

Security groups [Info](#)

Select security groups

 [Compare security group rules](#)

Web Security Group sg-0393009df9b8a559b 
VPC: vpc-0ac595314bcfe4060

► Advanced network configuration

▼ Advanced details [Info](#)

IAM instance profile [Info](#)

Don't include in launch template

 [Create new IAM profile](#)

Hostname type [Info](#)

Don't include in launch template

DNS Hostname [Info](#)

☐ Enable resource-based IPv4 (A record) DNS requests

☐ Enable resource-based IPv6 (AAAA record) DNS requests

Instance auto-recovery [Info](#)

Don't include in launch template

Shutdown behavior [Info](#)

Don't include in launch template

Stop - Hibernate behavior [Info](#)

Don't include in launch template

Termination protection [Info](#)

Don't include in launch template

Stop protection [Info](#)

Don't include in launch template

Detailed CloudWatch monitoring [Info](#)

Enable

Detailed CloudWatch monitoring | Info

Enable

Additional charges apply

Creation auto scaling

Launch Templates (1/1) Info

Launch Template ID	Launch Template Name	Default Version	Latest Version
lt-00b2c1534e23db244	LabConfig	1	1

- Launch instance from template
- Modify template (Create new version)
- Delete template
- Delete template version
- Set default version
- Manage tags
- Create Spot Fleet
- Create Auto Scaling group
- View details

Actions

- Launch instance from template
- Modify template (Create new version)
- Delete template
- Delete template version
- Set default version
- Manage tags
- Create Spot Fleet
- Create Auto Scaling group
- View details

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

Choose launch template Info

Specify a launch template that contains settings common to all EC2 instances that are launched by this Auto Scaling group.

Name

Auto Scaling group name

Enter a name to identify the group.

Lab Auto Scaling Group

Must be unique to this account in the current Region and no more than 255 characters.

Choose launch template [Info](#)

Specify a launch template that contains settings common to all EC2 instances that are launched by this Auto Scaling group.

Name

Auto Scaling group name

Enter a name to identify the group.

Lab Auto Scaling Group

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.

LabConfig

[Create a launch template](#)

Version

Default (1)

[Create a launch template version](#)

Description

-

AMI ID

ami-0f35b405675888b75

Key pair name

vockey

Launch template

[LabConfig](#)

lt-00b2c1534e23db244

Security groups

-

Security group IDs

[sg-0393009df9b8a559b](#)

Instance type

t2.micro

Request Spot Instances

No

Additional details

Storage (volumes)

-

Date created

Wed Apr 23 2025 14:01:33 GMT+0200 (Hora d'estiu del Centre d'Europa)

[Cancel](#)

[Next](#)

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.

LabConfig

[Create a launch template](#)

Network [Info](#)

For most applications, you can use multiple Availability Zones and let EC2 Auto Scaling balance your instances across the zones. The default VPC and default subnets are suitable for getting started quickly.

VPC

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

vpc-0ac595314bcfe4060 (Lab VPC)
10.0.0.0/16

[Create a VPC](#)

Availability Zones and subnets

Define which Availability Zones and subnets your Auto Scaling group can use in the chosen VPC.

Select Availability Zones and subnets

us-east-1a | subnet-04ba83656081f01c5 (Private Subnet 1) X
10.0.1.0/24

us-east-1b | subnet-03e664e1d34761c2f (Private Subnet 2) X
10.0.3.0/24

[Create a subnet](#)

Availability Zone distribution - new

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

☒ Balanced best effort

If launches fail in one Availability Zone, Auto Scaling will attempt to launch in another healthy Availability Zone.

☐ Balanced only

If launches fail in one Availability Zone, Auto Scaling will continue to attempt to launch in the unhealthy Availability Zone to preserve balanced distribution.

[Cancel](#)

[Skip to review](#)

[Previous](#)

[Next](#)

- 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

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

LabGroup | HTTP X
Application Load Balancer: LabELB

- 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

Configure group size and scaling - optional [Info](#)

Define your group's desired capacity and scaling limits. You can optionally add automatic scaling to adjust the size of your group.

Group size [Info](#)

Set the initial size of the Auto Scaling group. After creating the group, you can change its size to meet demand, either manually or by using automatic scaling.

Desired capacity type

Choose the unit of measurement for the desired capacity value. vCPUs and Memory(GiB) are only supported for mixed instances groups configured with a set of instance attributes.

Units (number of instances)

Desired capacity

Specify your group size.

2

Configure group size and scaling - *optional* [Info](#)

Define your group's desired capacity and scaling limits. You can optionally add automatic scaling to adjust

Group size [Info](#)

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

Desired capacity type

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

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

2

Equal or less than desired capacity

Max desired capacity

6

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.

☐ 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

LabScalingPolicy

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

60

Instance warmup [Info](#)

300 seconds

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

Additional settings

Instance scale-in protection

If protect from scale in is enabled, newly launched instances will be protected from scale in by default.

☐ Enable instance scale-in protection

Monitoring | [Info](#)

☒ Enable group metrics collection within CloudWatch

Default instance warmup | [Info](#)

The amount of time that CloudWatch metrics for new instances do not contribute to the group's aggregated instance metrics, as their usage data is not reliable yet.

☐ Enable default instance warmup

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.

[Add notification](#)

[Cancel](#)



[Skip to review](#)

[Previous](#)

[Next](#)

Add tags - *optional* [Info](#)

Add tags to help you search, filter, and track your Auto Scaling group across AWS. You can also choose to automatically add these tags to instances when they are launched.

 You can optionally choose to add tags to instances (and their attached EBS volumes) by specifying tags in your launch template. We recommend caution, however, because the tag values for instances from your launch template will be overridden if there are any duplicate keys specified for the Auto Scaling group. 

Tags (1)

Key

Name

Value - optional

Lab Instance

Tag new instances

☒

[Remove](#)

[Add tag](#)

49 remaining

[Cancel](#)

[Previous](#)

[Next](#)

Review [Info](#)

Step 1: Choose launch template [Edit](#)

Group details

Auto Scaling group name
Lab Auto Scaling Group

Launch template

Launch template
[LabConfig](#)
lt-00b2c1534e23db244

Version
Default

Description

Step 2: Choose instance launch options [Edit](#)

Network

VPC
[vpc-0ac595314bcfe4060](#)

Availability Zones and subnets

Availability Zone	Subnet	Subnet CIDR range
us-east-1a	subnet-04ba83656081f01c5	10.0.1.0/24
us-east-1b	subnet-03e664e1d34761c2f	10.0.3.0/24

Availability Zone distribution
Balanced best effort

Step 6: Add tags [Edit](#)

Tags (1)

Key	Value	Tag new instances
Name	Lab Instance	Yes

[Preview code](#)

[Cancel](#)

[Previous](#)

[Create Auto Scaling group](#)

Lab Auto Scaling Group, 1 Scaling policy created successfully. Group metrics collection is enabled.

Auto Scaling groups (1) [Info](#)

Last updated
less than a minute ago

[Launch configurations](#)

[Launch templates](#)

[Actions](#)

[Create Auto Scaling group](#)

<input type="checkbox"/>	Name	Launch template/configuration	Instances	Status	Desired capacity	Min	Max	Availability Zones
<input type="checkbox"/>	Lab Auto Scaling Group	LabConfig Version Default	2	-	2	2	6	us-east-1a, us-east-1b

Instances (1/4) [Info](#)

Last updated
less than a minute ago

[Connect](#)

[Instance state](#)

[Actions](#)

[Launch](#)

[All states](#)

<input type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
<input type="checkbox"/>	Bastion Host	i-0df1e16ddf6791fbe	Running	t2.micro	2/2 checks passed	View alarms	us-east-1a
<input checked="" type="checkbox"/>	Web Server 1	i-07a6f873fb432a325	Running	t2.micro	2/2 checks passed	View alarms	us-east-1a
<input type="checkbox"/>	Lab Instance	i-09e2347dc8eaf4bcc	Running	t2.micro	Initializing	View alarms	us-east-1b
<input type="checkbox"/>	Lab Instance	i-0aa59740db7ed095a	Running	t2.micro	Initializing	View alarms	us-east-1a

Target groups (1/1) [Info](#)

Filter target groups

< 1 >

<input checked="" type="checkbox"/>	Name	ARN	Port	Protocol	Target type	Load balancer	VPC ID
<input checked="" type="checkbox"/>	LabGroup	arn:aws:elasticloadbalancing...	80	HTTP	Instance	LabELB	vpc-0ac595314bcfe4060

Target group: LabGroup

[Details](#) [Targets](#) [Monitoring](#) [Health checks](#) [Attributes](#) [Tags](#)

Details

arn:aws:elasticloadbalancing:us-east-1:211125625838:targetgroup/LabGroup/9714b8b79f4647cb

Target type
Instance

Protocol : Port
HTTP: 80

Protocol version
HTTP1

VPC
[vpc-0ac595314bcfe4060](#)

IP address type
IPv4

Load balancer
[LabELB](#)

0
Total targets

0
Healthy

0
Unhealthy

0
Unused

0
Initial

0
Draining

Instances (1/4) [Info](#)

Last updated
less than a minute ago

[Connect](#)

[Instance state](#)

[Actions](#)

[All states](#)

<input type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
<input type="checkbox"/>	Bastion Host	i-0df1e16ddf6791fbc	Running	t2.micro	2/2 checks passed	View alarms	us-east-1a
<input checked="" type="checkbox"/>	Web Server 1	i-07a6f873fb432a325	Running	t2.micro	2/2 checks passed	View alarms	us-east-1a
<input type="checkbox"/>	Lab Instance	i-09e2347dc8eaf4bcc	Running	t2.micro	2/2 checks passed	View alarms	us-east-1b
<input type="checkbox"/>	Lab Instance	i-0aa59740db7ed095a	Running	t2.micro	2/2 checks passed	View alarms	us-east-1a

Target groups (1/1) [Info](#)

Filter target groups

< 1 >

<input checked="" type="checkbox"/>	Name	ARN	Port	Protocol	Target type	Load balancer	VPC ID
<input checked="" type="checkbox"/>	LabGroup	arn:aws:elasticloadbalancing...	80	HTTP	Instance	LabELB	vpc-0ac595314bcfe4060

Target group: LabGroup

[Details](#) [Targets](#) [Monitoring](#) [Health checks](#) [Attributes](#) [Tags](#)

Details

arn:aws:elasticloadbalancing:us-east-1:211125625838:targetgroup/LabGroup/9714b8b79f4647cb

Target type
Instance

Protocol : Port
HTTP: 80

Protocol version
HTTP1

VPC
[vpc-0ac595314bcfe4060](#)

IP address type
IPv4

Load balancer
[LabELB](#)

0
Total targets

0
Healthy

0
Unhealthy

0
Unused

0
Initial

0
Draining

Target group: LabGroup

Registered targets (0) [Info](#)

Anomaly mitigation: Not applicable

Deregister

Register targets

Target groups route requests to individual registered targets using the protocol and port number specified. Health checks are performed on all registered targets according to the target group's health check settings. Anomaly detection is automatically applied to HTTP/HTTPS target groups with at least 3 healthy targets.

Filter targets

< 1 > ⚙

Instance ID	Name	Port	Zone	Health status	Health status details	Admini...	Overri...	Launc
-------------	------	------	------	---------------	-----------------------	-----------	-----------	-------

No registered targets

You have not registered targets to this group yet

Register targets

EC2 > Target groups > LabGroup > Register targets

Register targets

Select instances, specify ports, and add the instances to the list of pending targets. Repeat to add additional combinations of instances and ports to the list of pending targets. Once you are satisfied with your selections, click Register pending targets.

Available instances (2/4)

Filter instances

< 1 > ⚙

<input checked="" type="checkbox"/>	Instance ID	Name	State	Security groups	Zone	Private IPv4 address	Subnet
<input checked="" type="checkbox"/>	i-09e2347dc8eaf4bcc	Lab Instance	Running	Web Security Group	us-east-1b	10.0.3.29	subnet-
<input checked="" type="checkbox"/>	i-0aa59740db7ed095a	Lab Instance	Running	Web Security Group	us-east-1a	10.0.1.82	subnet-
<input type="checkbox"/>	i-0df1e16ddf6791fbe	Bastion Host	Running	c151124a3888978110073310t1w211...	us-east-1a	10.0.0.199	subnet-
<input type="checkbox"/>	i-07a6f873fb432a325	Web Server 1	Running	Web Security Group	us-east-1a	10.0.0.102	subnet-

2 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 (2)

Remove all pending

Filter targets

Show only pending

< 1 > ⚙

Instance ID	Name	Port	State	Security groups	Zone	Private IPv4 address	Subnet ID	Launch time
i-09e2347dc8eaf4bcc	Lab Instance	80	Running	Web Security Group	us-east-1b	10.0.3.29	subnet-03e664e1d34761c2f	April 23, 2025, 14:16 (UTC+02:00)
i-0aa59740db7ed095a	Lab Instance	80	Running	Web Security Group	us-east-1a	10.0.1.82	subnet-04ba83656081f01c5	April 23, 2025, 14:16 (UTC+02:00)

2 pending

Cancel

Register pending targets

Target groups (1/1) [Info](#)

<input checked="" type="checkbox"/>	Name	ARN	Port	Protocol	Target type	Load balancer	VPC ID
<input checked="" type="checkbox"/>	LabGroup	arn:aws:elasticloadbalancin...	80	HTTP	Instance	LabELB	vpc-0ac595314bcfe4060

Target group: LabGroup

Details **Targets** Monitoring Health checks Attributes Tags

Registered targets (2) [Info](#)

Target groups route requests to individual registered targets using the protocol and port number specified. Health checks are performed on all registered targets according to the target group's health check settings. Anomaly detection is automatically applied to HTTP/HTTPS target groups with at least 3 healthy targets.

<input type="checkbox"/>	Instance ID	Name	Port	Zone	Health status	Health status details	Administrative ...	Override detail
<input type="checkbox"/>	i-09e2347dc8eaf4bcc	Lab Instance	80	us-east-1b (us...	Healthy	-	No override	No override is c
<input type="checkbox"/>	i-0aa59740db7ed095a	Lab Instance	80	us-east-1a (us...	Healthy	-	No override	No override is c

Target groups (1/1) [Info](#)

<input checked="" type="checkbox"/>	Name	ARN	Port	Protocol	Target type	Load balancer	VPC ID
<input checked="" type="checkbox"/>	LabGroup	arn:aws:elasticloadbalancin...	80	HTTP	Instance	LabELB	vpc-0ac595314bcfe4060

Target group: LabGroup

Details **Targets** Monitoring Health checks Attributes Tags

Details

arn:aws:elasticloadbalancing:us-east-1:211125625838:targetgroup/LabGroup/9714b8b79f4647cb

Target type

Instance

Protocol : Port

HTTP: 80

Protocol version

HTTP1

VPC

[vpc-0ac595314bcfe4060](#)

IP address type

IPv4

Load balancer

[LabELB](#)

2

Total targets

2

Healthy

0

Unhealthy

0

Unused

0

Initial

0

Draining

Load balancers (1/1)

Elastic Load Balancing scales your load balancer capacity automatically in response to changes in incoming traffic.


Q

Filter load balancers

<

1

>



<input checked="" type="checkbox"/>	Name	DNS name	State	VPC ID	Availability Zones	Type	Date created
<input checked="" type="checkbox"/>	LabELB	LabELB-2032377525.us-east-1.elb.amazonaws.com	Active	vpc-0ac595314bcfe4060	2 Availability Zones	application	April 23, 2025, 13:55 (UTC+02:00)

Load balancer: LabELB

Details

Load balancer type Application	Status Active	VPC vpc-0ac595314bcfe4060	Load balancer IP address type IPv4
Scheme Internet-facing	Hosted zone Z35SXDOTRQ7X7K	Availability Zones subnet-06aeef39910d04662 us-east-1b (use1-az4) subnet-0676797d6ab069d5e us-east-1a (use1-az2)	Date created April 23, 2025, 13:55 (UTC+02:00)
Load balancer ARN arn:aws:elasticloadbalancing:us-east-1:211125625838:loadbalancer/app/LabELB/b5ded95b51791f57		DNS name Info LabELB-2032377525.us-east-1.elb.amazonaws.com (A Record)	

Load balancer: LabELB

Details

Load balancer type Application	Status Active	VPC vpc-0ac595314bcfe4060	Load balancer IP address type IPv4
Scheme Internet-facing	Hosted zone Z35SXDOTRQ7X7K	Availability Zones subnet-06aeef39910d04662 us-east-1b (use1-az4) subnet-0676797d6ab069d5e us-east-1a (use1-az2)	Date created April 23, 2025, 13:55 (UTC+02:00)
Load balancer ARN arn:aws:elasticloadbalancing:us-east-1:211125625838:loadbalancer/app/LabELB/b5ded95b51791f57		DNS name Info LabELB-2032377525.us-east-1.elb.amazonaws.com (A Record)	

DNS name Info

LabELB-2032377525.us-east-1.elb.amazonaws.com (A Record)

No és segur | labelb-2032377525.us-east-1.elb.amazonaws.com

aws

Load TestRDS

Meta-Data	Value
Instanceld	i-09e2347dc8eaf4bcc
Availability Zone	us-east-1b

Current CPU Load: 7%

Meta-Data

Value

InstanceId

i-09e2347dc8eaf4bcc

Availability Zone

us-east-1b

Current CPU Load: 7%

CloudWatch > Alarms

CloudWatch <

Alarms (2)

Hide Auto Scaling alarms Clear selection Create composite alarm Actions Create alarm

Alarm state: Any Alarm type: Any Actions status: Any < 1 >

<input type="checkbox"/>	Name	State	Last state update (UTC)	Conditions	Actions
<input type="checkbox"/>	TargetTracking-Lab Auto Scaling Group-AlarmHigh-ee46746b-a762-4359-83b8-405a40140200	OK	2025-04-23 12:17:41	CPUUtilization > 60 for 3 datapoints within 3 minutes	Actions enabled
<input type="checkbox"/>	TargetTracking-Lab Auto Scaling Group-AlarmLow-18fc2a6c-7488-4fbc-b6cc-f97ce2a487fb	Insufficient data	2025-04-23 12:16:04	CPUUtilization < 54 for 15 datapoints within 15 minutes	Actions enabled

▼ Auto Scaling

Auto Scaling Groups

Auto Scaling groups (1/1) Info Last updated 1 minute ago Launch configurations Launch templates Actions Create Auto Scaling group

Search your Auto Scaling groups < 1 >

<input checked="" type="checkbox"/>	Name	Launch template/configuration	Instances	Status	Desired capacity	Min	Max	Av...
<input checked="" type="checkbox"/>	Lab Auto Scaling Group	LabConfig Version Default	2	-	2	2	6	us-e...

Auto Scaling group: Lab Auto Scaling Group

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

Scaling policies resize your Auto Scaling group to meet changes in demand. With reactive dynamic scaling policies, you can track specific CloudWatch metrics and take action when the CloudWatch alarm threshold is met. Use predictive scaling policies along with dynamic scaling policies in the following situations: when your application demand changes quickly, but with a recurring pattern, or when your EC2 instances require more time to initialize.

Dynamic scaling policies (1) Info

Actions Create dynamic scaling policy < 1 >

LabScalingPolicy

Policy type
Target tracking scaling

Enabled or disabled
Enabled

Auto Scaling group: Lab Auto Scaling Group

Dynamic scaling policies (1) [Info](#)



Actions ▾

Create dynamic scaling policy

< 1 >

LabScalingPolicy

Policy type

Target tracking scaling

Enabled or disabled

Enabled

Execute policy when

As required to maintain Average CPU utilization at 60

Take the action

Add or remove capacity units as required

Instances need

Auto Scaling group: Lab Auto Scaling Group

Dynamic scaling policies (1/1) [Info](#)



Actions ▾

Create dynamic scaling policy

< 1 >

LabScalingPolicy

Policy type

Target tracking scaling

Enabled or disabled

Enabled

Execute policy when

As required to maintain Average CPU utilization at 60

Take the action

Add or remove capacity units as required

Instances need

Auto Scaling group: Lab Auto Scaling Group

Dynamic scaling policies (1/1) [Info](#)



Actions ▴

Create dynamic scaling policy

< 1 >

LabScalingPolicy

Policy type

Target tracking scaling

- Enable
- Disable
- Execute
- Edit
- Delete

Edit dynamic scaling policy

Policy type

Target tracking scaling

Scaling policy name

LabScalingPolicy

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

[Cancel](#) [Update](#)

Target value

50

Dynamic scaling policy created or edited successfully.

Auto Scaling groups (1/1) [Info](#)

Last updated less than a minute ago [Launch configurations](#) [Launch templates](#) [Actions](#) [Create Auto Scaling group](#)

Search your Auto Scaling groups

<input checked="" type="checkbox"/>	Name	Launch template/configuration	Instances	Status	Desired capacity	Min	Max	A..
<input checked="" type="checkbox"/>	Lab Auto Scaling Group	LabConfig Version Default	2	-	2	2	6	u...

Auto Scaling group: Lab Auto Scaling Group

[Details](#) [Integrations - new](#) [Automatic scaling](#) [Instance management](#) [Instance refresh](#) [Activity](#) [Monitoring](#)

Scaling policies resize your Auto Scaling group to meet changes in demand. With reactive dynamic scaling policies, you can track specific CloudWatch metrics and take action when the CloudWatch alarm threshold is met. Use predictive scaling policies along with dynamic scaling policies in the following situations: when your application demand changes quickly, but with a recurring pattern, or when your EC2 instances require more time to initialize.

Dynamic scaling policies (1) [Info](#)

[Actions](#) [Create dynamic scaling policy](#)

CloudWatch

Alarms (2)

Hide Auto Scaling alarms [Clear selection](#) [Create composite alarm](#) [Actions](#) [Create alarm](#)

Search

Alarm state: Any Alarm type: Any Actions status: Any

<input type="checkbox"/>	Name	State	Last state update (UTC)	Conditions	Actions
<input type="checkbox"/>	TargetTracking-Lab Auto Scaling Group-AlarmLow-6ba10131-f7b3-4ac5-bb16-ebf617d039a3	Insufficient data	2025-04-23 12:33:11	CPUUtilization < 45 for 15 datapoints within 15 minutes	Actions enabled
<input type="checkbox"/>	TargetTracking-Lab Auto Scaling Group-AlarmHigh-a30805c3-4b53-4f49-bdd7-2d5ef3ab9320	Insufficient data	2025-04-23 12:33:11	CPUUtilization > 50 for 3 datapoints within 3 minutes	Actions enabled

CloudWatch > Alarms

CloudWatch <

Alarms (2) ☐ Hide Auto Scaling alarms Clear selection Create composite alarm Actions Create alarm

Search Alarm state: Any Alarm type: Any Actions status: Any < 1 >

<input type="checkbox"/>	Name	State	Last state update (UTC)	Conditions	Actions
<input type="checkbox"/>	TargetTracking-Lab Auto Scaling Group-AlarmHigh-a30805c3-4b55-4f49-bdd7-2d3ef3ab9320	OK	2025-04-23 12:34:15	CPUUtilization > 50 for 3 datapoints within 3 minutes	Actions enabled
<input type="checkbox"/>	TargetTracking-Lab Auto Scaling Group-AlarmLow-6ba10131-f7b3-4ac5-bb16-ebf617d039a3	In alarm	2025-04-23 12:33:57	CPUUtilization < 35 for 15 datapoints within 15 minutes	Actions enabled



Load Test

RDS

Meta-Data

Value

InstanceId

i-0aa59740db7ed095a

Availability Zone

us-east-1a

Current CPU Load: 4%



Load Test

RDS

Generating CPU Load! (auto refresh in 5 seconds)

Current CPU Load: 100%

CloudWatch > Alarms

CloudWatch

Alarms (2)

Hide Auto Scaling alarms

Clear selection

Create composite alarm

Actions

Create alarm

Search

Alarm state: Any

Alarm type: Any

Actions status: Any

Name	State	Last state update (UTC)	Conditions	Actions
TargetTracking-Lab Auto Scaling Group-AlarmLow-6ba10131-f7b3-4ac5-bb16-ebf617d039a3	OK	2025-04-23 12:58:03	CPUUtilization < 35 for 15 datapoints within 15 minutes	Actions enabled
TargetTracking-Lab Auto Scaling Group-AlarmHigh-a30805c3-4b53-4f49-bdd7-2d3ef3ab9320	OK	2025-04-23 12:34:15	CPUUtilization > 50 for 3 datapoints within 3 minutes	Actions enabled

Instances (4)

Last updated 1 minute ago

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 DNS
Bastion Host	i-0df1e16ddf6791fbc	Running	t2.micro	2/2 checks passed	View alarms	us-east-1a	-
Web Server 1	i-07a6f873fb432a325	Running	t2.micro	2/2 checks passed	View alarms	us-east-1a	-
Lab Instance	i-09e2347dc8eaf4bcc	Running	t2.micro	2/2 checks passed	View alarms	us-east-1b	-
Lab Instance	i-0aa59740db7ed095a	Running	t2.micro	2/2 checks passed	View alarms	us-east-1a	-

hay que esperar

Instances (6)

Last updated 1 minute ago

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 DNS
Lab Instance	i-0b9b32e65992fff79	Running	t2.micro	2/2 checks passed	View alarms	us-east-1a	-
Lab Instance	i-09e2347dc8eaf4bcc	Running	t2.micro	2/2 checks passed	View alarms	us-east-1b	-
Lab Instance	i-001db153733cca6bf	Running	t2.micro	Initializing	View alarms	us-east-1b	-
Lab Instance	i-0aa59740db7ed095a	Running	t2.micro	2/2 checks passed	View alarms	us-east-1a	-

Se creo dos ec2 mas.

Instances (1/6) Info

Find Instance by attribute or tag (case-sensitive)

All states

Connect

Instance state

Actions

Launch instances

Name	Instance ID	Instance state	Instance type	Status check	Availability Zone	Public IPv4 DNS
Bastion Host	i-0df1e16ddf6791fbe	Running	t2.micro	2/2 checks passed	us-east-1a	-
Web Server 1	i-07a6f873fb432a325	Running	t2.micro	2/2 checks passed	us-east-1a	-
Lab Instance	i-0b9b32e65992fff79	Running	t2.micro	2/2 checks passed	us-east-1a	-
Lab Instance	i-09e2347dc8eaf4bcc	Running	t2.micro	2/2 checks passed	us-east-1b	-
Lab Instance	i-001db153733cca6bf	Running	t2.micro	2/2 checks passed	us-east-1b	-

i-07a6f873fb432a325 (Web Server 1)

Terminate (delete) instance

On an EBS-backed instance, the default action is for the root EBS volume to be deleted when the instance is terminated. Storage on any local drives will be lost.

Are you sure you want to terminate these instances?

Instance ID

Termination protection

i-07a6f873fb432a325 (Web Server 1)

Disabled

To confirm that you want to delete the instances, choose the terminate button below. Instances with termination protection enabled will not be terminated. Terminating the instance cannot be undone.

Cancel

Terminate (delete)

Successfully initiated termination (deletion) of i-07a6f873fb432a325

Instances (1/6) Info

Last updated
1 minute

Find Instance by attribute or tag (case-sensitive)

All states

Name	Instance ID	Instance state	Instance type
Bastion Host	i-0df1e16ddf6791fbe	Running	t2.micro
Web Server 1	i-07a6f873fb432a325	Running	t2.micro

Alarms (2)

Hide Auto Scaling alarms

Clear selection

Create composite alarm

Actions

Create alarm

Search

Alarm state: Any

Alarm type: Any

Actions status: Any

Name	State	Last state update (UTC)	Conditions	Actions
TargetTracking-Lab Auto Scaling Group-AlarmHigh-a30805c3-4b53-4f49-bdd7-2d3ef3ab9320	In alarm	2025-04-23 12:41:15	CPUUtilization > 50 for 3 datapoints within 3 minutes	Actions enabled
TargetTracking-Lab Auto Scaling Group-AlarmLow-6ba10131-f7b3-4ac5-bb16-ebf617d039a3	OK	2025-04-23 12:38:03	CPUUtilization < 37.5 for 15 datapoints within 15 minutes	Actions enabled

Error → Solución

Target groups (1/1) [Info](#)

<input checked="" type="checkbox"/>	Name	ARN	Port	Protocol	Target type	Load balancer	VPC ID
<input checked="" type="checkbox"/>	LabGroup	arn:aws:elasticloadbalancing:us-east-1:211125625838:targetgroup/LabGroup/9714b8b79f4647cb	80	HTTP	Instance	LabELB	vpc-0ac595314bcfe4060

Target group: LabGroup

[Details](#) [Targets](#) [Monitoring](#) [Health checks](#) [Attributes](#) [Tags](#)

Details

[arn:aws:elasticloadbalancing:us-east-1:211125625838:targetgroup/LabGroup/9714b8b79f4647cb](#)

Target type Instance	Protocol : Port HTTP: 80	Protocol version HTTP1	VPC vpc-0ac595314bcfe4060
IP address type IPv4	Load balancer LabELB		

0 Total targets	0 Healthy	0 Unhealthy	0 Unused	0 Initial	0 Draining
--------------------	--------------	----------------	-------------	--------------	---------------

Hay que añadir las ec2 para que salgan.

[EC2](#) > [Target groups](#) > [LabGroup](#) > Register targets

Register targets

Select instances, specify ports, and add the instances to the list of pending targets. Repeat to add additional combinations of instances and ports to the list of pending targets. Once you are satisfied with your selections, click Register pending targets.

Available instances (2/4)

<input checked="" type="checkbox"/>	Instance ID	Name	State	Security groups	Zone	Private IPv4 address	Subnet
<input checked="" type="checkbox"/>	i-09e2347dc8eaf4bcc	Lab Instance	Running	Web Security Group	us-east-1b	10.0.3.29	subnet-
<input checked="" type="checkbox"/>	i-0aa59740db7ed095a	Lab Instance	Running	Web Security Group	us-east-1a	10.0.1.82	subnet-
<input type="checkbox"/>	i-0df1e16ddf6791fbc	Bastion Host	Running	c151124a3888978110073310t1w211...	us-east-1a	10.0.0.199	subnet-
<input type="checkbox"/>	i-07a6f873fb432a325	Web Server 1	Running	Web Security Group	us-east-1a	10.0.0.102	subnet-

2 selected

Ports for the selected instances
Ports for routing traffic to the selected instances.

1-65535 (separate multiple ports with commas)

[Include as pending below](#)

Conclusión

Al finalizar esta actividad, habrás configurado una infraestructura escalable y resiliente que utiliza Elastic Load Balancing y Auto Scaling para manejar cargas variables de manera eficiente. Este diseño asegura alta disponibilidad y optimización de costos.

Submit del lab

Submit

Submission Report

Grades

Total score	35/35
--------------------	--------------

Task 1 - AMI created	5/5
----------------------	-----

Task 2 - Load Balancer created	5/5
--------------------------------	-----

Task 3a - Launch Template created	5/5
-----------------------------------	-----

Task 3b - Auto Scaling Group created	5/5
--------------------------------------	-----

Task 4 - Load Balancer check	5/5
------------------------------	-----

Task 5 - Auto Scaling check	5/5
-----------------------------	-----

Task 6 - Web Server 1	5/5
-----------------------	-----