

Module-2: Auto Scaling Assignment - 2

You have been asked to:

1. Create a Web Server AMI with Apache 2 server running in it
2. Create a Launch Configuration with this AMI
3. Use this Launch Configuration to create an Auto Scaling group with 1 minimum and 3 maximum instances

Launch an instance Info

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

Name and tags Info

Name

Add additional tags

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

Quick Start

Amazon Linux

macOS

Ubuntu

Windows

Red Hat

S



Browse more AMIs

Including AMIs from AWS, Marketplace and the Community

Amazon Machine Image (AMI)

Summary Info

Number of instances Info

1

Software Image (AMI)

Canonical, Ubuntu, 22.04 LTS, ...[read more](#)
ami-08c40ec9ead489470

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 8 GB

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, 30 GiB of EBS storage, 2 million I/Os, 1 GB of snapshots, and 100 GB of bandwidth to the internet.

Cancel

Launch Instance

t2.micro
Family: t2 1 vCPU 1 GiB Memory
On-Demand Linux pricing: 0.0116 USD per Hour
On-Demand Windows pricing: 0.0162 USD per Hour

Free tier eligible

[Compare instance types](#)

▼ 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 - required

Web-prod-keypair

Create new key pair

▼ Network settings [Info](#)

VPC - required [Info](#)

vpc-0b03f01cba75ff067

(default)

172.31.0.0/16

Subnet [Info](#)

No preference

Create new subnet

Auto-assign public IP [Info](#)

Enable

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.

 Create security group Select existing security groupSecurity groups [Info](#)

▼ Summary

Number of instances [Info](#)

1

Software Image (AMI)

Canonical, Ubuntu, 22.04 LTS, ...[read more](#)
ami-08c40ec9ead489470

Virtual server type (instance type)

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Firewall (security group)

default

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Cancel

Launch Instance



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

Connect

Instance state ▾

Actions ▾

Launch instances

Find instance by attribute or tag (case-sensitive)

< 1 >

<input checked="" type="checkbox"/> Name	▼	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Publ...
<input checked="" type="checkbox"/> Web-Server-Apache2		i-0a17b9f05a0d0dc11	Running	t2.micro	2/2 checks passed	No alarms	us-east-1d	ec2-54-164-215-137.co...	54.16...

Instance: i-0a17b9f05a0d0dc11 (Web-Server-Apache2)


[Details](#) | [Security](#) | [Networking](#) | [Storage](#) | [Status checks](#) | [Monitoring](#) | [Tags](#)
▼ Instance summary [Info](#)

Instance ID

i-0a17b9f05a0d0dc11 (Web-Server-Apache2)

Public IPv4 address

 54.164.215.137 | [open address](#)

Private IPv4 addresses

172.31.87.252

IPv6 address

-

Instance state

Running

Public IPv4 DNS

 ec2-54-164-215-137.compute-1.amazonaws.com | [open address](#)

Hostname type

IP name: ip-172-31-87-252.ec2.internal

Private IP DNS name (IPv4 only)

ip-172-31-87-252.ec2.internal

Elastic IP addresses

-

Answer private resource DNS name

IPv4 (A)

Instance type

t2.micro

AWS Compute Optimizer finding

Auto-assigned IP address

54.164.215.137 [Public IP]

VPC ID

vpc-0b03f01cba75ff067

Opt-in to AWS Compute Optimizer for recommendations.

[Learn more](#)

IAM Role

-

Subnet ID

subnet-0106a319f599ab40d

Auto Scaling Group name

-

Session settings



Basic SSH settings

Remote host * 54.164.215.137

Specify username

ubuntu



Port 22



Advanced SSH settings

Terminal settings

Network settings

Bookmark settings

X11-Forwarding

Compression

Remote environment: Interactive shell

Execute command:

Do not exit after command ends

SSH-browser type: SFTP protocol

Follow SSH path (experimental)



Use private key

C:\Users\Lenovo\Downloads\Web

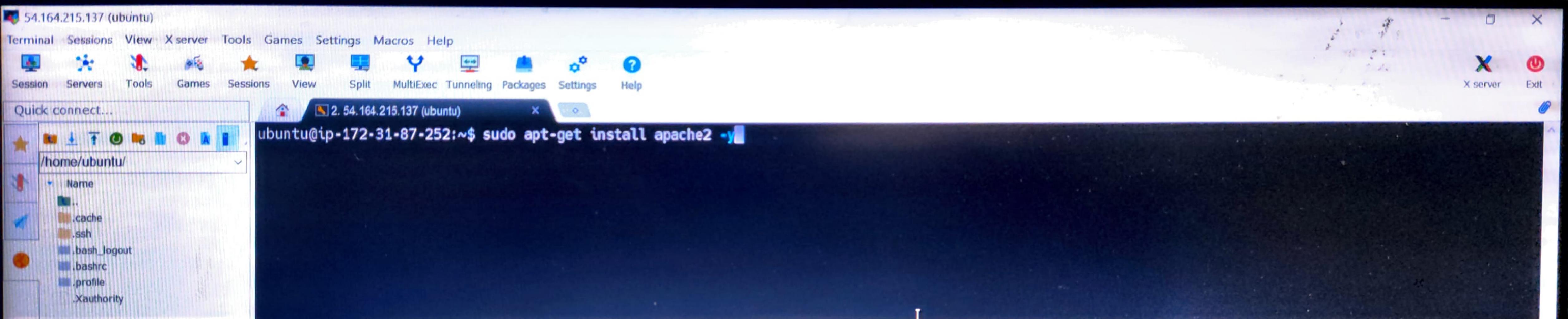
Adapt locales on remote server

Execute macro at session start: <none>



OK

Cancel



54.164.215.137 (ubuntu)

Terminal Sessions View Xserver Tools Games Settings Macros Help

Session Servers Tools Games Sessions View Split MultiExec Tunnelling Packages Settings Help

X server Exit

Quick connect... 2. 54.164.215.137 (ubuntu)

/home/ubuntu/

- Name
- ..
- .cache
- .ssh
- .bash_logout
- .bashrc
- .profile
- .Xauthority

```
Enabling module authz_core.
Enabling module authz_host.
Enabling module authn_core.
Enabling module auth_basic.
Enabling module access_compat.
Enabling module authn_file.
Enabling module authz_user.
Enabling module alias.
Enabling module dir.
Enabling module autoindex.
Enabling module env.
Enabling module mime.
Enabling module negotiation.
Enabling module setenvif.
Enabling module filter.
Enabling module deflate.
Enabling module status.
Enabling module reqtimeout.
Enabling conf charset.
Enabling conf localized-error-pages.
Enabling conf other-vhosts-access-log.
Enabling conf security.
Enabling conf serve-cgi-bin.
Enabling site 000-default.
Created symlink /etc/systemd/system/multi-user.target.wants/apache2.service → /lib/systemd/system/apache2.service.
Created symlink /etc/systemd/system/multi-user.target.wants/apache-htcacheclean.service → /lib/systemd/system/apache-htcacheclean.service.
Processing triggers for ufw (0.36.1-4build1) ...
Processing triggers for man-db (2.10.2-1) ...
Processing triggers for libc-bin (2.35-0ubuntu3.1) ...
Scanning processes ...
Scanning linux images ...

Running kernel seems to be up-to-date.

No services need to be restarted.

No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
ubuntu@ip-172-31-87-252:~$
```

Remote monitoring

Follow terminal folder

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Apache2 Default Page

Ubuntu

It works!

This is the default welcome page used to test the correct operation of the Apache2 server after installation on Ubuntu systems. It is based on the equivalent page on Debian, from which the Ubuntu Apache packaging is derived. If you can read this page, it means that the Apache HTTP server installed at this site is working properly. You should **replace this file** (located at `/var/www/html/index.html`) before continuing to operate your HTTP server.

If you are a normal user of this web site and don't know what this page is about, this probably means that the site is currently unavailable due to maintenance. If the problem persists, please contact the site's administrator.

Configuration Overview

Ubuntu's Apache2 default configuration is different from the upstream default configuration, and split into several files optimized for interaction with Ubuntu tools. The configuration system is **fully documented** in `/usr/share/doc/apache2/README.Debian.gz`. Refer to this for the full documentation. Documentation for the web server itself can be found by accessing the **manual** if the `apache2-doc` package was installed on this server.

The configuration layout for an Apache2 web server installation on Ubuntu systems is as follows:

```
/etc/apache2/  
|-- apache2.conf  
|   `-- ports.conf  
|-- mods-enabled  
|   |-- *.Load  
|   `-- *.conf  
|-- conf-enabled  
|   `-- *.conf  
|-- sites-enabled  
|   `-- *.conf
```

- `apache2.conf` is the main configuration file. It puts the pieces together by including all remaining configuration files when starting up the web server.
 - `ports.conf` is always included from the main configuration file. It is used to determine the listening ports for incoming connections, and this file can be customized anytime.
 - Configuration files in the `mods-enabled/`, `conf-enabled/` and `sites-enabled/` directories contain particular configuration snippets which manage modules, global configuration fragments, or virtual host configurations respectively.

Instances (1/1) [Info](#) Find instance by attribute or tag (case-sensitive)

Connect

Instance state ▾

Actions ▾

Launch instances

<input checked="" type="checkbox"/> Name	▼	Instance ID	Instance state	▼	Instance type	▼	Status check	Alarm status	Available
<input checked="" type="checkbox"/> Web-Server-Apache2		i-0a17b9f05a0d0dc11	<input checked="" type="radio"/> Running		t2.micro		<input checked="" type="radio"/> 2/2 checks passed	No alarms	+ us-east-1

Instance: i-0a17b9f05a0d0dc11 (Web-Server-Apache2)

[Details](#) [Security](#) [Networking](#) [Storage](#) [Status checks](#) [Monitoring](#) [Tags](#)▼ Instance summary [Info](#)

Instance ID

[i-0a17b9f05a0d0dc11 \(Web-Server-Apache2\)](#)

Public IPv4 address

[54.164.215.137 | open address](#)

Private IPv4 addresses

[172.31.87.252](#)

IPv6 address

Hostname type

IP name: ip-172-31-87-252.ec2.internal

Instance state

 Running

Public IPv4 DNS

[ec2-54-164-215-137.compute-1.amazonaws.com | open address](#)

Answer private resource DNS name

IPv4 (A)

Private IP DNS name (IPv4 only)

[ip-172-31-87-252.ec2.internal](#)

Elastic IP addresses

-

Auto-assigned IP address

[54.164.215.137 \[Public IP\]](#)

Instance type

t2.micro

AWS Compute Optimizer finding

[Opt-in to AWS Compute Optimizer for recommendations.](#)[Learn more](#)

IAM Role

Subnet ID

[subnet-0106a319f599ab40d](#)

Auto Scaling Group name

-

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 the configuration of an existing instance.

Instance ID

i-0a17b9f05a0d0dc11 (Web-Server-Apache2)

Image name

Web-Server-Apache2

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

Image description - optional

Web-Server-Apache2

Maximum 255 characters

No reboot

Enable

Instance volumes

Volume type	Device	Snapshot	Size	Volume type	IOPS	Throughput	Delete on termination	Encrypted
EBS	/dev/xvda	Create new snapshot from volume	8	EBS General Purpose S...	100		<input checked="" type="checkbox"/> Enable	<input type="checkbox"/> Enable

[Add volume](#)

ⓘ During the image creation process, Amazon EC2 creates a snapshot of each of the above volumes.

Tags - optional

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

Image description - *optional*

Web-Server-Apache2

Maximum 255 characters

No reboot

Enable

Instance volumes

Volume type	Device	Snapshot	Size	Volume type	IOPS	Throughput	Delete on termination	Encrypted
EBS	/dev/...	Create new snapshot fr...	8	EBS General Purpose S...	100		<input checked="" type="checkbox"/> Enable	<input type="checkbox"/> Enable

Add volume

ⓘ During the image creation process, Amazon EC2 creates a snapshot of each of the above volumes.

Tags - *optional*

A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

Tag image and snapshots together

Tag the image and the snapshots with the same tag.

Tag image and snapshots separately

Tag the image and the snapshots with different tags.

No tags associated with the resource.

Add new tag

You can add up to 50 more tags.

Cancel

Create Image

AWS Services Search [Alt+S] N. Virginia VAIBHAV VERMA ⓘ

Reserved Instances New

Dedicated Hosts

Scheduled Instances

Capacity Reservations

Images

AMIs New

AMI Catalog

Elastic Block Store

Volumes

Snapshots

Lifecycle Manager

Network & Security

Security Groups

Elastic IPs

Placement Groups

Key Pairs

Network Interfaces

Load Balancing

Load Balancers

Target Groups New

Auto Scaling

Launch Configurations

Select a launch configuration above

Auto Scaling Groups

Feedback Looking for language selection? Find it in the new Unified Settings ⓘ

[Alt+S]

① Recommendation to not use launch configurations

Amazon EC2 Auto Scaling no longer adds support for new EC2 features to launch configurations and will stop supporting new EC2 instance types after December 31, 2022. We recommend that customers using launch configurations migrate to launch templates. For more information, see the documentation ⓘ

EC2 > Launch configurations

Launch configurations (0) Info Actions ▾ Copy to launch template ▾ Create launch configuration

Search launch configurations

Name AMI ID Instance type Spot price Creation time

No launch configurations found in this region.

Create launch configuration

Feedback Looking for language selection? Find it in the new Unified Settings ⓘ

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Create launch configuration Info

⚠ Instead of using launch configurations to create your EC2 Auto Scaling groups, we recommend that you use launch templates and make use of the Auto Scaling guidance option. For more information on migrating launch configurations and using launch templates, [see the documentation](#) ↗

[Create launch template](#)

Launch configuration name

Name

Amazon machine image (AMI) Info

AMI

▼

Instance type Info

Instance type

t2.micro (1 vCPUs, 1 GiB, EBS Only)

[Choose instance type](#)

Additional configuration - optional

Security groups Info

Assign a security group

- Create a new security group
- Select an existing security group

Security groups

[Copy to new](#)[View rules](#) Search security groups< 1 2 >

Security group ID	Name	VPC ID	Description
<input type="checkbox"/> sg-0f8a7099ce2855bfc	rds-ec2-mysql-SG	vpc-0b03f01cba75ff067	launch-wizard-4 created 2022-10-02T10:52:38.591Z
<input checked="" type="checkbox"/> sg-0eccaee16b46e70a9d	default	vpc-0b03f01cba75ff067	default VPC security group
<input type="checkbox"/> sg-08733198ab61401a9	mySG	vpc-0b03f01cba75ff067	sg
<input type="checkbox"/> sg-09f5dbdbbf64a22d1	launch-wizard-1	vpc-0b03f01cba75ff067	launch-wizard-1 created 2022-08-14T06:32:15.564Z
<input type="checkbox"/> sg-0c3819ee74280dbc7	launch-wizard-5	vpc-0b03f01cba75ff067	launch-wizard-5 created 2022-10-26T09:18:19.408Z
<input type="checkbox"/> sg-03f742706910d62d0	rds-sg-ec2-02-10-2022	vpc-0b03f01cba75ff067	allow access from ec2
<input type="checkbox"/> sg-01a0bcaec80a99fdc	launch-wizard-2	vpc-0b03f01cba75ff067	launch-wizard-2 created 2022-10-01T20:59:03.406Z

⚠ Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

⚠ You will not be able to connect to this instance as the AMI requires port(s) 22 to be open in order to have access. Your current security group doesn't have port(s) 22 open.

<input type="checkbox"/>	sg-08733198ab61401a9	mySG	vpc-0b03f01cba75ff067	sg
<input type="checkbox"/>	sg-09f5dbdbbf64a22d1	launch-wizard-1	vpc-0b03f01cba75ff067	launch-wizard-1 created 2022-08-14T06:32:15.564Z
<input type="checkbox"/>	sg-0c3819ee74280dbc7	launch-wizard-5	vpc-0b03f01cba75ff067	launch-wizard-5 created 2022-10-26T09:18:19.408Z
<input type="checkbox"/>	sg-03f742706910d62d0	rds-sg-ec2-02-10-2022	vpc-0b03f01cba75ff067	allow access from ec2
<input type="checkbox"/>	sg-01a0bcaec80a99fdc	launch-wizard-2	vpc-0b03f01cba75ff067	launch-wizard-2 created 2022-10-01T20:59:03.406Z

⚠ Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

⚠ You will not be able to connect to this instance as the AMI requires port(s) 22 to be open in order to have access. Your current security group doesn't have port(s) 22 open.

Key pair (login) [Info](#)

Key pair options

Choose an existing key pair

Existing key pair

Web-prod-keypair

I acknowledge that I have access to the selected private key file (Web-prod-keypair.pem), and that without this file, I won't be able to log into my instance.

Cancel

Create launch configuration

aws Services Q N. Virginia ▾ VAIBHAV VERMA ▾

Recommendation to not use launch configurations
Amazon EC2 Auto Scaling no longer adds support for new EC2 features to launch configurations and will stop supporting new EC2 instance types after December 31, 2022. We recommend that customers using launch configurations migrate to launch templates. For more information, see the documentation.

Successfully created launch configuration: Launch-Configuration-Apache2

EC2 > Launch configurations

Launch configurations (1/1) Info

Actions ▾ Copy to launch template ▾ Create launch configuration

Search launch configurations

Name AMI ID Instance type Spot price Creation time

Name	AMI ID	Instance type	Spot price	Creation time
Launch-Configuration-Apache2	ami-0bbdbe2581eaece42	t2.micro	-	Tue Nov 08 2022 01:26:11 GMT+0530 (India Standard Time)

Launch configuration: Launch-Configuration-Apache2

Details

Copy launch configuration

AMI ID ami-0bbdbe2581eaece42	Instance type t2.micro	IAM instance profile -
Kernel ID -	Key name Web-prod-keypair	Monitoring false
EBS optimized false	Security groups sg-0eccae16b46e70a9d	Spot price -
Create time	RAM disk ID	IP address type

Feedback Looking for language selection? Find it in the new Unified Settings

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Reserved Instances New

Dedicated Hosts

Scheduled Instances

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AMI Catalog

Elastic Block Store

Volumes

Snapshots

Lifecycle Manager

Network & Security

Security Groups

Elastic IPs

Placement Groups

Key Pairs

Network Interfaces

Load Balancing

Load Balancers

Target Groups New

Auto Scaling

Launch Configurations

Auto Scaling Groups

Amazon EC2 Auto Scaling

helps maintain the availability of your applications

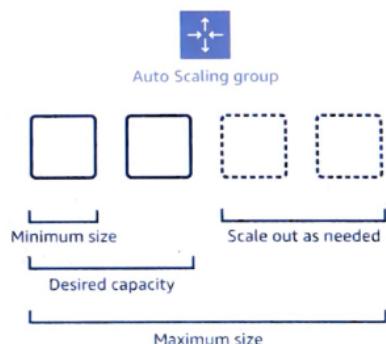
Auto Scaling groups are collections of Amazon EC2 instances that enable automatic scaling and fleet management features. These features help you maintain the health and availability of your applications.

Create Auto Scaling group

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

Create Auto Scaling group

How it works



Pricing

Amazon EC2 Auto Scaling features have no additional fees beyond the service fees for Amazon EC2, CloudWatch (for scaling policies), and the other AWS resources that you use. Visit the pricing page of each service to learn more.

Getting started

[What is Amazon EC2 Auto Scaling?](#)

[Getting started with Amazon EC2 Auto Scaling](#)

[Set up a scaled and load-balanced application](#)

Step 1

Choose launch template or configuration

Step 2

Choose instance launch options

Step 3 (optional)

Configure advanced options

Step 4 (optional)

Configure group size and scaling policies

Step 5 (optional)

Add notifications

Step 6 (optional)

Add tags

Step 7

Review

Choose launch template or configuration Info

Specify a launch template that contains settings common to all EC2 instances that are launched by this Auto Scaling group. If you currently use launch configurations, you might consider migrating to launch templates.

Name

Auto Scaling group name

Enter a name to identify the group.

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

Launch template Info

[Switch to launch configuration](#)

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.

[Create a launch template](#)[Cancel](#)[Next](#)



Step 2
Choose instance launch options

Step 3 (optional)
Configure advanced options

Step 4 (optional)
Configure group size and scaling policies

Step 5 (optional)
Add notifications

Step 6 (optional)
Add tags

Step 7
Review

Name

Auto Scaling group name

Enter a name to identify the group.

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

Launch configuration Info

[Switch to launch template](#)

Instead of using launch configurations to create your EC2 Auto Scaling groups, we recommend that you use launch templates and make use of the Auto Scaling guidance option. For more information on migrating launch configurations and using launch templates, see the documentation [🔗](#)

Launch configuration

Choose a launch configuration that contains the instance-level settings, such as the Amazon Machine Image (AMI), instance type, key pair, and security groups.

[Create a launch configuration](#)

Launch configuration

[Launch-Configuration-Apache2](#)

AMI ID

[ami-0bbdbe2581eaece42](#)

Date created

Tue Nov 08 2022 01:26:11 GMT+0530
(India Standard Time)

Security groups

[sg-0ecca16b46e70a9d](#)

Instance type

[t2.micro](#)

Key pair name

[Web-prod-keypair](#)[Cancel](#)[Next](#)



Choose instance launch options

Step 3 (optional)

Configure advanced options

Step 4 (optional)

Configure group size and scaling policies

Step 5 (optional)

Add notifications

Step 6 (optional)

Add tags

Step 7

Review

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-0b03f01cba75ff067

172.31.0.0/16 Default



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-0fa59c1c0cf77468a X

172.31.16.0/20 Default

us-east-1b | subnet-0e5d9322efe5f0177 X

172.31.32.0/20 Default

us-east-1c | subnet-0c130f14b2821e65a X

172.31.0.0/20 Default

us-east-1d | subnet-0106a319f599ab40d X

172.31.80.0/20 Default

us-east-1e | subnet-098f838aa75f6625b X

172.31.48.0/20 Default

us-east-1f | subnet-0ca07fef3bfe84bc0 X

172.31.64.0/20 Default

Create a subnet

Cancel

Previous

Skip to review

Next

Choose instance launch options

Step 3 (optional)

Configure advanced options

Step 4 (optional)

Configure group size and scaling policies

Step 5 (optional)

Add notifications

Step 6 (optional)

Add tags

Step 7

Review

Load balancing - optional 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 a new load balancer

Define a new load balancer to create for attachment to this Auto Scaling group.

Load balancer type

Choose from the load balancer types offered below. Type selection cannot be changed after the load balancer is created. If you need a different type of load balancer than those offered here, [visit the Load Balancing console.](#)

Application Load Balancer

HTTP, HTTPS

Network Load Balancer

TCP, UDP, TLS

Load balancer name

Name cannot be changed after the load balancer is created.

Autoscale-Webserver-Apache2-1

Load balancer scheme

Scheme cannot be changed after the load balancer is created.

Internal

Internet-facing

Network mapping

Your new load balancer will be created using the same VPC and Availability Zone selections as your Auto Scaling group. You can select different subnets and add subnets from additional Availability Zones.

VPC

VPC

vpc-0b03f01cba75ff067

Availability Zones and subnets

You must select a single subnet for each Availability Zone enabled. Only public subnets are available for selection to support DNS resolution.

 us-east-1c

subnet-0c130f14b2821e65a

 us-east-1d

subnet-0106a319f599ab40d

 us-east-1e

subnet-098f838aa75f6625b

 us-east-1a

subnet-0fa59c1c0cf77468a

 us-east-1f

subnet-0ca07fef3bfe84bc0

 us-east-1b

subnet-0e5d9322ebe5f0177

Listeners and routing

If you require secure listeners, or multiple listeners, you can configure them from the [Load Balancing console](#) after your load balancer is created.

Protocol

Port

Default routing (forward to)

HTTP

80

Create a target group

New target group name

An instance target group with default settings will be created.

Autoscale-Webserver-Apache2-1

Tags - optional

Consider adding tags to your load balancer. Tags enable you to categorize your AWS resources so you can more easily manage them.

Tags - optional

Consider adding tags to your load balancer. Tags enable you to categorize your AWS resources so you can more easily manage them.

[Add tag](#)

50 remaining

Health checks - optional**Health check type** [Info](#)

EC2 Auto Scaling automatically replaces instances that fail health checks. If you enabled load balancing, you can enable ELB health checks in addition to the EC2 health checks that are always enabled.

 EC2 ELB**Health check grace period**

The amount of time until EC2 Auto Scaling performs the first health check on new instances after they are put into service.

300 seconds

Additional settings - optional**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[Cancel](#)[Previous](#)[Skip to review](#)[Next](#)



Step 3 (optional)

Configure advanced options

Step 4 (optional)

Configure group size and scaling policies

Step 5 (optional)

Add notifications

Step 6 (optional)

Add tags

Step 7

Review

Specify the size of the Auto Scaling group by changing the desired capacity. You can also specify minimum and maximum capacity limits. Your desired capacity must be within the limit range.

Desired capacity

2

Minimum capacity

1

Maximum capacity

3

Scaling policies - optional

Choose whether to use a scaling policy to dynamically resize your Auto Scaling group to meet changes in demand. [Info](#)

 Target tracking scaling policy

Choose a desired outcome and leave it to the scaling policy to add and remove capacity as needed to achieve that outcome.

 None

Instance scale-in protection - optional

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

Cancel

Previous

Skip to review

Next

No scaling policy

Instance scale-in protection

Instance scale-in protection

 Enable instance protection from scale in

Step 5: Add notifications

Notifications

No notifications

Step 6: Add tags

Tags (0)

Key

▼

Value

▼

Tag new instances

▼

No tags

Cancel

Create Auto Scaling group

aws Services [Alt+5]

Autoscale-Webserver-Apache2, 1 Load balancer, 1 Target group, 1 Listener created successfully. 1 new target group has been attached to ASG.

EC2 > Auto Scaling groups

Auto Scaling groups (1/1) Info

Search your Auto Scaling groups

C Edit Delete Create an Auto Scaling group

Name	Launch template/configuration	Instances	Status	Desired capacity	Min	Max	Availability Zones
Autoscale-Webserver-Apache2	Launch-Configuration-Apache2	2	-	2	1	3	us-east-1a, us-east-1b, us-east-1c, us-eas...

Auto Scaling group: Autoscale-Webserver-Apache2

Details Activity Automatic scaling Instance management Monitoring Instance refresh

Group details

Desired capacity
2

Auto Scaling group name
Autoscale-Webserver-Apache2

Minimum capacity
1

Date created
Tue Nov 08 2022 03:04:45 GMT+0530 (India Standard Time)

Maximum capacity
3

Amazon Resource Name (ARN)
arn:aws:autoscaling:us-east-1:111952067877:autoScalingGroup:a35520eb-6eb5-4d79-ab99-f7e891e961d7:autoScalingGroupName/Autoscale-Webserver-Apache2

Edit