

Autoscaling Creation

Step1: Create autoscaling group and add name. Select the launch configuration

you currently use launch configurations, you might consider migrating to launch templates.

Name

Auto Scaling group name
Enter a name to identify the group.

autoscaling-practice

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.

Select a launch template

[Create a launch template](#)

Cancel **Next**

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Create launch template with all contents

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*

autoscalingtemplate

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

Template version description

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

Select the AMI and Instance type

Application and OS Images (Amazon Machine Image) - required [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

Quick Start

Amazon Linux macOS Ubuntu Windows Red Hat SUSE

Amazon Machine Image (AMI)

Amazon Linux 2 AMI (HVM) - Kernel 5.10, SSD Volume Type
ami-0cca134ec43cf708f (64-bit (x86)) / ami-020916b60b78f7108 (64-bit (Arm))
Virtualization: hvm ENA enabled: true Root device type: ebs

Free tier eligible

Description

Instance type [Info](#) [Advanced](#)

Instance type

t2.micro Free tier eligible
Family: t2 1 vCPU 1 GiB Memory On-Demand Linux pricing: 0.0124 USD per Hour
On-Demand Windows pricing: 0.017 USD per Hour

[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

Don't include in launch template [Create new key pair](#)

Network settings [Info](#)

Subnet Info

Select the security group

The screenshot displays the AWS Management Console interface for creating a launch template. The browser tabs include 'Adrenalin MAX', 'Mail - Bhargav Chillaka', 'Create Auto Scaling gr...', and 'Create launch template'. The URL is 'ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateTemplate:autoScalingGuidance=true'. The 'Network settings' section is expanded, showing the 'Subnet Info' dropdown set to 'Don't include in launch template'. The 'Firewall (security groups)' section is active, with the 'Select existing security group' radio button selected. The 'Security groups' dropdown shows 'launchwizard1' (sg-08f092821121b61a7) selected. The 'Storage (volumes)' section is also visible. The 'Summary' section at the bottom provides a overview of the configuration: Software Image (AMI) is 'Amazon Linux 2 Kernel 5.10 AMI...read more' (ami-0cca134ec43cf708f), Virtual server type (instance type) is 't2.micro', Firewall (security group) is 'launchwizard1', and Storage (volumes) is '1 volume(s) - 8 GiB'. A 'Free tier' notice is displayed, stating: '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 IOs, 1 GB of snapshots, and 100 GB of bandwidth to the internet.' The 'Create launch template' button is highlighted in orange.

Add the launch template and create autoscaling group

The screenshot shows the 'Create Auto Scaling Group' page in the AWS Management Console. The 'Launch template' section is active, displaying a dropdown menu with 'autoscalingtemplate' selected. Below this, there are fields for 'Version' (Default (1)), 'Description' (myapp), 'AMI ID' (ami-0cca134ec43cf708f), and 'Key pair name' (aa). To the right, there are fields for 'Launch template' (autoscalingtemplate), 'Instance type' (t2.micro), 'Security groups' (empty), and 'Security group IDs' (sg-08f092821121b61a7). A 'Switch to launch configuration' link is visible at the top right of the section. The bottom of the page shows the AWS footer with '© 2023, Amazon Web Services India Private Limited or its affiliates.'

Add VPC and Availability Zones

The screenshot shows the 'Network' section of the 'Create Auto Scaling Group' page. It includes a 'VPC' dropdown menu with 'vpc-025c74b83c4029a80' selected. Below this, there is a 'Create a VPC' link. The 'Availability Zones and subnets' section shows a dropdown menu with 'Select Availability Zones and subnets' selected. Below this, there are three subnets listed: 'ap-south-1a | subnet-024a85cea9e5bebf8', 'ap-south-1b | subnet-041ce40d66515c1e8', and 'ap-south-1c | subnet-09066da3d60b679be'. A 'Create a subnet' link is visible at the bottom of the section. The bottom of the page shows the AWS footer with '© 2023, Amazon Web Services India Private Limited or its affiliates.'

Adrenalin MAX

Mail - Bhargav Chillaka

Create Auto Scaling gr

Create launch template

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateAutoScalingGroup:

aws

Services

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Mumbai

Bhargav L N S N

ap-south-1a | subnet-024a85cea9e5beb78
172.31.32.0/20 Default

ap-south-1b | subnet-041ce40d66515c1e8
172.31.0.0/20 Default

ap-south-1c | subnet-09066da3d60b679be
172.31.16.0/20 Default

Create a subnet

Instance type requirements Info

You can keep the same instance attributes or instance type from your launch template, or you can choose to override the launch template by specifying different instance attributes or manually adding instance types.

Override launch template

Launch template
autoscalingtemplate
lt-01f5b31f1d760f156

Version
Default

Description
myapp

Instance type
t2.micro

Cancel

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Create launch template

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateAutoScalingGroup:

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Configure advanced options Info

Choose a load balancer to distribute incoming traffic for your application across instances to make it more reliable and easily scalable. You can also set options that give you more control over health check replacements and monitoring.

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.

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

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aws Services Search [Alt+S] Mumbai Bhargav L N S N

EC2 > Auto Scaling groups > Create Auto Scaling group

Add tags [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 (0)

[Add tag](#)
50 remaining

Cancel Previous **Next**

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ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#Instances:v=3;\$case=tags:true%5C,client:fa...

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 - Dedicated Hosts
 - Capacity Reservations
- Images

Instances (2/2) [Info](#)

[Refresh](#) [Connect](#) [Instance state](#) [Actions](#) **Launch Instances**

<input checked="" type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status checks
<input checked="" type="checkbox"/>	-	i-09bf390840d903388	Running	t2.micro	Initializ
<input checked="" type="checkbox"/>	-	i-08668dee23589acbc	Running	t2.micro	Initializ

Instances: i-09bf390840d903388, i-08668dee23589acbc

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Instance is launched with desired capacity.