

EC2 > Launch templates > Create launch template

Create launch template

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

Launch template name and description

Launch template name - *required*

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

Template version description

Max 255 chars

Auto Scaling guidance [Info](#)

Select this if you intend to use this template with EC2 Auto Scaling

☐ Provide guidance to help me set up a template that I can use with EC2 Auto Scaling

▶ Template tags

▶ Source template

Launch template contents

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

▼ Summary

Software Image (AMI)

Canonical, Ubuntu, 24.04, amd64...[read more](#)
ami-0522ab6e1ddcc7055

Virtual server type (instance type)

t2.micro

Firewall (security group)

SG-auto

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

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▼ 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

Don't include in launch template

Amazon Linux

macOS

Ubuntu

Windows

Red H

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Browse more AMIs

Including AMIs from AWS, Marketplace and the Community

Amazon Machine Image (AMI)

Ubuntu Server 24.04 LTS (HVM), SSD Volume Type

ami-0522ab6e1ddcc7055 (64-bit (x86)) / ami-0000791bad666add5 (64-bit (Arm))

Virtualization: hvm ENA enabled: true Root device type: ebs

Free tier eligible ▼

Description

Ubuntu Server 24.04 LTS (HVM),EBS General Purpose (SSD) Volume Type. Support available from Canonical (<http://www.ubuntu.com/cloud/services>).

Architecture

AMI ID

Username

📘

64-bit (x86) ▼

ami-

ubuntu

Verified provider

▼ Summary

Software Image (AMI)

Canonical, Ubuntu, 24.04, amd6...read more

ami-0522ab6e1ddcc7055

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Create launch template | EC2 | ap-south-1

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

Instance type

t2.micro

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

On-Demand Linux base pricing: 0.0124 USD per Hour

On-Demand Windows base pricing: 0.017 USD per Hour

On-Demand RHEL base pricing: 0.0268 USD per Hour

On-Demand SUSE base pricing: 0.0124 USD per Hour

Free tier eligible

☒ 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

kartik-key

[Create new key pair](#)

▼ Network settings [Info](#)

Subnet [Info](#)

Don't include in launch template

[Create new subnet](#)

▼ Summary

Software Image (AMI)
Canonical, Ubuntu, 24.04, amd64...[read more](#)
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▼ Network settings Info

Subnet Info

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🔄 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 ▾

SG-auto sg-0f58b6196130b1cc4 ✕
VPC: vpc-06f1309f359462a54

🔄 Compare security group rules

▶ Advanced network configuration

▼ Storage (volumes) Info

EBS Volumes Hide details

- ▶ Volume 1 (AMI Root) (8 GiB, EBS, General purpose SSD (gp3))
AMI Volumes are not included in the template unless modified

▼ Summary

Software Image (AMI)
Canonical, Ubuntu, 24.04, amd64...read more
ami-0522ab6e1ddcc7055

Virtual server type (instance type)
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Create launch template

- Step 1
- Choose launch template
- Step 2
- Choose instance launch options
- Step 3 - optional
- Configure advanced options
- Step 4 - optional
- Configure group size and scaling
- Step 5 - optional
- Add notifications
- Step 6 - optional
- Add tags
- Step 7
- Review

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.

group-auto

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

Launch template [Info](#)

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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.

auto-temp ▾

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[Create a launch template](#) [↗](#)

Version

Default (1) ▾

↺

[Create a launch template version](#) [↗](#)

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Step 1

Choose launch template

Step 2

Choose instance launch options

Step 3 - optional

Configure advanced options

Step 4 - optional

Configure group size and scaling

Step 5 - optional

Add notifications

Step 6 - optional

Add tags

Step 7

Review

Choose instance launch options

Choose the VPC network environment that your instances are launched into, and customize the instance types and purchase options.

Instance type requirements

Override launch template

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.

Launch template	Version	Description
auto-temp lt-0a7f45bd3e82a823b	Default	-

Instance type

t2.micro

Network

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-06f1309f359462a54
172.31.0.0/16 Default

🔄

- Step 2
- [Choose instance launch options](#)
- Step 3 - optional
- Configure advanced options**
- Step 4 - optional
- [Configure group size and scaling](#)
- Step 5 - optional
- [Add notifications](#)
- Step 6 - optional
- [Add tags](#)
- Step 7
- [Review](#)

Integrate your Auto Scaling group with other services to distribute network traffic across multiple servers using a load balancer or to establish service-to-service communications using VPC Lattice. You can also set options that give you more control over 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.

VPC Lattice integration options

Info

To improve networking capabilities and scalability, integrate your Auto Scaling group with VPC Lattice. VPC Lattice facilitates communications between AWS services and helps you connect and manage your applications across compute services in AWS.

Select VPC Lattice service to attach

- ☒ No VPC Lattice service

VPC Lattice will not manage your Auto Scaling group's network access and connectivity with other services.
- ☐ Attach to VPC Lattice service

Incoming requests associated with specified VPC Lattice target groups will be routed to your Auto Scaling group.

Create new VPC Lattice service

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Health checks

Health checks increase availability by replacing unhealthy instances. When you use multiple health checks, all are evaluated, and if at least

- Step 1
- [Choose launch template](#)
- Step 2
- [Choose instance launch options](#)
- Step 3 - optional
- [Configure advanced options](#)
- Step 4 - optional
- Configure group size and scaling**
- Step 5 - optional
- [Add notifications](#)
- Step 6 - optional
- [Add tags](#)
- Step 7
- [Review](#)

Configure group size and scaling - optional

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

Group size

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.

3

Scaling

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

3

Max desired capacity

8

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Equal or less than desired capacity

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.

Instance maintenance policy [Info](#)

Control your Auto Scaling group's availability during instance replacement events. This includes health checks, instance refreshes, maximum instance lifetime features and events that happen automatically to keep your group balanced, called rebalancing events.

Choose a replacement behavior depending on your availability requirements

Mixed behavior

☒ No policy

For rebalancing events, new instances will launch before terminating others. For all other events, instances terminate and launch at the same time.

Prioritize availability

☐ Launch before terminating

Launch new instances and wait for them to be ready before terminating others. This allows you to go above your desired capacity by a given percentage and may temporarily increase costs.

Control costs

☐ Terminate and launch

Terminate and launch instances at the same time. This allows you to go below your desired capacity by a given percentage and may temporarily reduce availability.

Flexible

☐ Custom behavior

Set custom values for the minimum and maximum amount of available capacity. This gives you greater flexibility in setting how far below and over your desired capacity EC2 Auto Scaling goes when replacing instances.

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Instances (3/5) Info

Last updated less than a minute ago

Connect

Instance state

Actions

Launch instances

Find Instance by attribute or tag (case-sensitive)

All states

< 1 >

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ..
<input checked="" type="checkbox"/>	ins-1	i-0550742a5190721c6	Running	t2.micro	2/2 checks passec	View alarms +	ap-south-1a	ec2-43-204-38-85.ap-s...	43.204.38.85
<input checked="" type="checkbox"/>	ins-2	i-0b8a4f35d8d43d85c	Running	t2.micro	2/2 checks passec	View alarms +	ap-south-1a	ec2-13-235-0-218.ap-s...	13.235.0.218
<input type="checkbox"/>	Web-instance	i-082619ce0e86b3d56	Terminated	t2.micro	-	View alarms +	ap-south-1b	-	-
<input type="checkbox"/>	Db-instance	i-0d51b5bd6d9cd8f6e	Terminated	t2.micro	-	View alarms +	ap-south-1b	-	-
<input checked="" type="checkbox"/>	ins-3	i-09cf62ac5c042e2c0	Running	t2.micro	2/2 checks passec	View alarms +	ap-south-1b	ec2-13-201-190-215.ap...	13.201.190.2

3 instances selected

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Successfully initiated termination (deletion) of i-09cf62ac5c042e2c0

Instances (1/6) Info

Last updated less than a minute ago

Refresh

Connect

Instance state

Actions

Launch instances

Find Instance by attribute or tag (case-sensitive)

All states

< 1 >

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ..
<input type="checkbox"/>	ins-1	i-0550742a5190721c6	Running	t2.micro	2/2 checks passed	View alarms	ap-south-1a	ec2-43-204-38-85.ap-s...	43.204.38.85
<input type="checkbox"/>	ins-2	i-0b8a4f35d8d43d85c	Running	t2.micro	2/2 checks passed	View alarms	ap-south-1a	ec2-13-235-0-218.ap-s...	13.235.0.218
<input type="checkbox"/>	Web-instance	i-082619ce0e86b3d56	Terminated	t2.micro	-	View alarms	ap-south-1b	-	-
<input checked="" type="checkbox"/>	ins-4	i-0c679173e32474a86	Running	t2.micro	Initializing	View alarms	ap-south-1b	ec2-15-207-14-24.ap-s...	15.207.14.24
<input type="checkbox"/>	Db-instance	i-0d51b5bd6d9cd8f6e	Terminated	t2.micro	-	View alarms	ap-south-1b	-	-
<input type="checkbox"/>	ins-3	i-09cf62ac5c042e2c0	Terminated	t2.micro	-	View alarms	ap-south-1b	-	-

i-0c679173e32474a86 (ins-4)

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