

Launch an instance | EC2 | ap-south-1

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

aws | Search [Alt+S] | [Alt+T] | [Alt+U] | [Alt+R] | [Alt+D] | [Alt+F] | [Alt+G] | [Alt+H] | [Alt+I] | [Alt+J] | [Alt+K] | [Alt+L] | [Alt+M] | [Alt+N] | [Alt+P] | [Alt+Q] | [Alt+V] | [Alt+W] | [Alt+X] | [Alt+Y] | [Alt+Z] | [Alt+U]

EC2 > Instances > Launch an instance

It seems like you may be new to launching instances in EC2. Take a walkthrough to learn about EC2, how to launch instances and about best practices

[Take a walkthrough](#) [Do not show me this message again.](#)

Launch an instance

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

Name and tags

Name: myserver

Add additional tags

Application and OS Images (Amazon Machine Image)

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: Amazon Linux, macOS, Ubuntu, Windows, Red Hat, SUSE Linux, Debian

Quick Start: [Amazon Linux](#), [macOS](#), [Ubuntu](#), [Windows](#), [Red Hat](#), [SUSE Linux](#), [Debian](#)

Browse more AMIs

Summary

Number of instances: 1

Software Image (AMI): Amazon Linux 2023 AMI 2023.8.2... [read more](#)
ami-0a1235697f4afa8a4

Virtual server type (instance type): t2.micro

Firewall (security group): New security group

Storage (volumes): 1 volume(s) - 8 GiB

Free tier: In your first year of opening an AWS account, you get 750 hours per month of t2.micro instance usage (or t3.micro where applicable).

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Launch an instance | EC2 | ap-south-1

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

aws | Search [Alt+S] | Asia Pacific (Mumbai) | Sanya | EC2 > Instances > Launch an instance

Application and OS Images (Amazon Machine Image)

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're looking for below.

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

Recents Quick Start

Amazon Linux macOS Ubuntu Windows Red Hat SUSE Linux Debian

aws Mac ubuntu Microsoft Red Hat SUSE debian

Amazon Machine Image (AMI)

Microsoft Windows Server 2025 Base
ami-036940a1a7418c2f (64-bit (x86))
Virtualization: hvm ENA enabled: true Root device type: ebs

Free tier eligible

Summary

Number of instances 1

Software Image (AMI)
Amazon Linux 2023 AMI 2023.8.2... [read more](#)
ami-0a1235697f4afa8a4

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

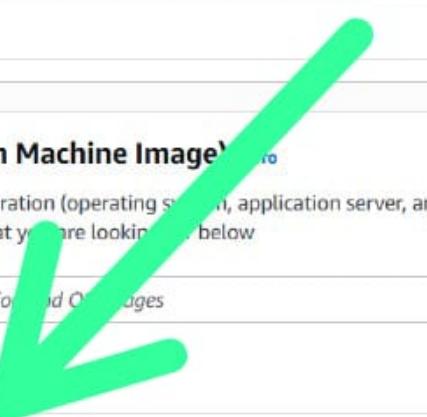
Storage (volumes)
1 volume(s) - 8 GiB

Free tier: In your first year of opening an AWS account, you get 750 hours per month of t2.micro instance usage (or t3.micro where applicable).

Cancel Launch instance Preview code

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Launch an instance | EC2 | ap-south-1

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

aws | Search [Alt+S] | Instances | Launch an instance | EC2 | Asia Pacific (Mumbai) | Sanya | i | Q | E | S | ...

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

Instance type

t3.small
Family: t3 2 vCPU 2 GiB Memory Current generation: true
On-Demand SUSE base pricing: 0.0534 USD per Hour On-Demand RHEL base pricing: 0.0512 USD per Hour
On-Demand Ubuntu Pro base pricing: 0.0259 USD per Hour
On-Demand Windows base pricing: 0.0408 USD per Hour On-Demand Linux base pricing: 0.0224 USD per Hour

t3.nano
Family: t3 2 vCPU 0.5 GiB Memory Current generation: true
On-Demand Linux base pricing: 0.0056 USD per Hour On-Demand SUSE base pricing: 0.0056 USD per Hour
On-Demand Windows base pricing: 0.0102 USD per Hour
On-Demand Ubuntu Pro base pricing: 0.0091 USD per Hour

t3.micro
Family: t3 2 vCPU 1 GiB Memory Current generation: true
On-Demand Ubuntu Pro base pricing: 0.0147 USD per Hour
On-Demand Linux base pricing: 0.0112 USD per Hour On-Demand RHEL base pricing: 0.04 USD per Hour
On-Demand SUSE base pricing: 0.0112 USD per Hour On-Demand Windows base pricing: 0.0204 USD per Hour

t3.small
Family: t3 2 vCPU 2 GiB Memory Current generation: true
On-Demand SUSE base pricing: 0.0534 USD per Hour On-Demand RHEL base pricing: 0.0512 USD per Hour
On-Demand Ubuntu Pro base pricing: 0.0259 USD per Hour
On-Demand Windows base pricing: 0.0408 USD per Hour
On-Demand Linux base pricing: 0.0224 USD per Hour

vpc-06795dc3f10769cb5

Subnet [Info](#)
No preference (Default subnet in any availability zone)

[Alt+S]

All generations

Compare instance types

pair before you launch the inst-

new key

pair before you launch the inst-

new key

Summary

Number of instances [Info](#)

1

Software Image (AMI)
Microsoft Windows Server 2025 ...[read more](#)
ami-036940a1a7418c22f

Virtual server type (instance type)
t3.small

Firewall (security group)
New security group

Storage (volumes)
1 volume(s) - 30 GiB

Free tier: In your first year of opening an AWS account, you get 750 hours per month of t2.micro instance usage (or t3.micro where applicable).

Cancel **Launch instance** **Preview code**

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Launch an instance | EC2 | ap-south-1

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

aws | Search [Alt+S] | Asia Pacific (Mumbai) | Sanya | EC2 > Instances > Launch an instance

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

keypair01

For Windows instances, you use a key to encrypt the administrator password. You then use the decrypted password to connect to your instance.

Create new key pair

Network settings Info

Network Info

vpc-06795dc3f10769cb5

Subnet Info

No preference (Default subnet in any availability zone)

Auto-assign public IP Info

Enable

Additional charges apply when outside of free tier allowance

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 group

We'll create a new security group called 'launch-wizard-14' with the following rules:

Summary

Number of instances Info

1

Software Image (AMI)

Microsoft Windows Server 2025 ... [read more](#)
ami-036940a1a7418c22f

Virtual server type (instance type)

t3.small

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 30 GiB

Free tier: In your first year of opening an AWS account, you get 750 hours per month of t2.micro instance usage (or t3.micro where applicable).

Cancel **Launch instance** **Preview code**

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Light rain At night ENG IN 18:40 12-07-2025

The screenshot shows the AWS EC2 'Launch an instance' wizard. The top navigation bar includes the AWS logo, a search bar, a keyboard shortcut [Alt+S], and account information for Asia Pacific (Mumbai). The main content area is divided into several sections:

- Architecture:** 64-bit (x86)
- AMI ID:** ami-036940a1a7418c22f
- Publish Date:** 2025-06-12
- Username:** Administrator
- Verified provider:** (button)

Instance type: t3.small (Info | Get advice)

Instance type details: Family: t3, 2 vCPU, 2 GiB Memory, Current generation: true. On-Demand SUSE base pricing: 0.0534 USD per Hour, On-Demand RHEL base pricing: 0.0512 USD per Hour, On-Demand Ubuntu Pro base pricing: 0.0259 USD per Hour, On-Demand Windows base pricing: 0.0408 USD per Hour, On-Demand Linux base pricing: 0.0224 USD per Hour.

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 - required: Select (dropdown menu) ▾ Create new key pair (button)

For Windows instances, you use a key pair to decrypt the administrator password. You then use the decrypted password to connect to your instance.

Summary: Number of instances: 1

Software Image (AMI): Microsoft Windows Server 2025 ...read more, ami-036940a1a7418c22f

Virtual server type (instance type): t3.small

Firewall (security group): New security group

Storage (volumes): 1 volume(s) - 30 GiB

Free tier: In your first year of opening an AWS account, you get 750 hours per month of t2.micro instance usage (or t3.micro where applicable).

Buttons: Cancel, Launch instance, Preview code.

A large green arrow points from the 'Create new key pair' button in the Key pair section towards the 'Launch instance' button in the summary section.

Launch an instance | EC2 | ap-south-1

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

aws | Search [Alt+S] | [Alt+T] | [Alt+R] | [Alt+U] | [Alt+D] | [Alt+F] | [Alt+G] | [Alt+H] | [Alt+I] | [Alt+J] | [Alt+K] | [Alt+L] | [Alt+M] | [Alt+N] | [Alt+P] | [Alt+Q] | [Alt+R] | [Alt+T] | [Alt+U] | [Alt+V] | [Alt+X] | [Alt+Y] | [Alt+Z] | [Alt+1] | [Alt+2] | [Alt+3] | [Alt+4] | [Alt+5] | [Alt+6] | [Alt+7] | [Alt+8] | [Alt+9] | [Alt+0] | [Alt+!]

EC2 > Instances > Launch an instance

Key pair (login) [Info](#)

You can use a key pair to securely connect to your instance. Ensure you have a key pair saved on your computer before launching an instance.

Key pair name - required

Select

For Windows instances, you use a key pair to decrypt the administrator password.

Network settings [Info](#)

Network vpc-00000000000000000000000000000000

Subnet [Info](#)

No preference (Default subnet in any availability zone)

Auto-assign public IP [Info](#)

Enable

Additional charges apply when outside of free tier allowance

Firewall (security groups) [Info](#)

A security group is a set of firewall rules that control the traffic for your instance.

Create security group Select existing security group

We'll create a new security group called 'launch-wizard-14' with the following rules:

Create key pair

Key pair name: Key pairs allow you to connect to your instance securely. The name can include up to 255 ASCII characters. It can't include leading or trailing spaces.

Key pair type: RSA RSA encrypted private and public key pair ED25519 ED25519 encrypted private and public key pair (Not supported for Windows Instances)

Private key file format: .pem For use with OpenSSH .ppk For use with PuTTY

⚠️ When prompted, store the private key in a secure and accessible location on your computer. You will need it later to connect to your instance. [Learn more](#)

Cancel Create key pair

Summary

Number of instances [Info](#)

Software Image (AMI) Microsoft Windows Server 2025 ... [read more](#) -036940a1a741bc22f

Virtual server type (instance type) small

Firewall (security group) New security group

Storage (volumes) Volume(s) - 30 GiB

Free tier: In your first month of opening an AWS account, you get 750 hours per month of micro instance usage (or t3.micro where applicable).

Launch instance Preview code

CloudShell Feedback

Light rain Tomorrow

Search

18:37 12-07-2025

ENG IN

Launch an instance | EC2 | ap-south-1

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

aws | Search [Alt+S] | [Alt+S]

EC2 > Instances > Launch an instance

Network settings

Network: vpc-06795dc3f10769cb5

Subnet: No preference (Default subnet in any availability zone)

Auto-assign public IP: Enable

Additional charges apply when outside of free tier allowance.

Firewall (security groups): Create security group

We'll create a new security group called 'launch-wizard-14' with the following rules:

- Allow traffic from anywhere
- Allow HTTPS traffic from the internet
- Allow HTTP traffic from the internet

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.

Summary

Number of instances: 1

Software Image (AMI): Microsoft Windows Server 2025 ...read more
ami-036940a1a7418c22f

Virtual server type (instance type): t3.small

Firewall (security group): New security group

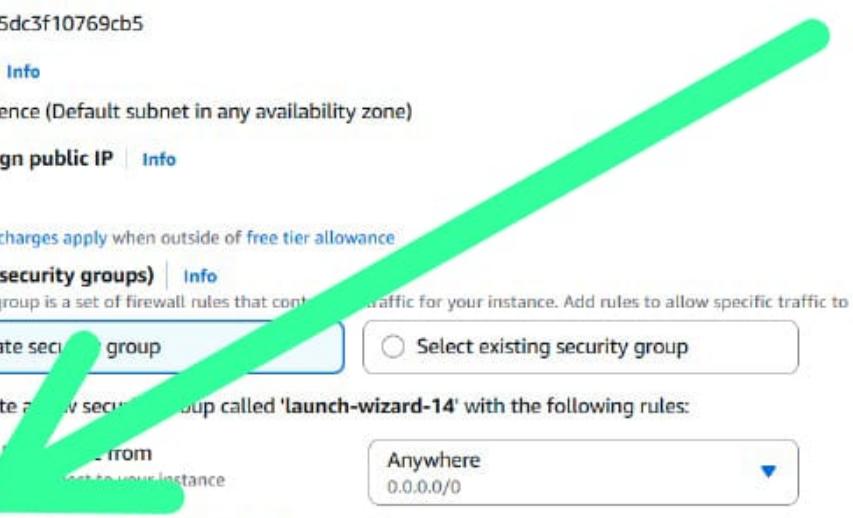
Storage (volumes): 1 volume(s) - 30 GiB

Free tier: In your first year of opening an AWS account, you get 750 hours per month of t2.micro instance usage (or t3.micro where applicable).

Cancel Launch instance Preview code

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Launch an instance | EC2 | ap-south-1

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

aws | Search [Alt+S] | Asia Pacific (Mumbai) | Sanya | EC2 > Instances > Launch an instance

Application and OS Images (Amazon Machine Image) [Info](#)

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aws Mac ubuntu Microsoft Red Hat SUSE debian

Amazon Machine Image (AMI)

Microsoft Windows Server 2025 Base
ami-036940a1a7418c2f (64-bit (x86))
Virtualization: hvm ENA enabled: true Root device type: ebs

Free tier eligible

Summary

Number of instances [Info](#)
1

Software Image (AMI)
Amazon Linux 2023 AMI 2023.8.2... [read more](#)
ami-0a1235697f4afa8a4

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

Storage (volumes)
1 volume(s) - 8 GiB

Free tier info: In your first year of opening an AWS account, you get 750 hours per month of t2.micro instances, or 10 micro instances where applicable.

Cancel Launch instance Preview code

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Launch an instance | EC2 | ap-south-1

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

aws | Search [Alt+S] | Asia Pacific (Mumbai) | Sanya | EC2 > Instances > Launch an instance | i | q | e |

Success
Successfully initiated launch of instance (i-0b9ce837a39386468)

▶ Launch log

Next Steps

Q What would you like to do next with this instance, for example "create alarm" or "create backup"

1 2 3 4 5 6 >



Create billing and free tier usage alerts
To manage costs and avoid surprise bills, set up email notifications for billing and free tier usage thresholds.
[Create billing alerts](#)

Connect to your instance
Once your instance is running, log into it from your local computer.
[Connect to instance](#) [Learn more](#)

Connect an RDS database
Configure the connection between an EC2 instance and a database to allow traffic flow between them.
[Connect an RDS database](#) [Create a new RDS database](#) [Learn more](#)

Create EBS snapshot policy
Create a policy that automates the creation, retention, and deletion of EBS snapshots.
[Create EBS snapshot policy](#)

Manage detailed monitoring

Create Load Balancer

Create AWS budget

Manage CloudWatch alarms

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Hot days ahead 31°C ENG IN 18:40 12-07-2025

Instances | EC2 | ap-south-1

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

aws | Instances | Search [Alt+S] | Asia Pacific (Mumbai) | Sanya | EC2 > Instances | Instances (1/1) | Last updated less than a minute ago | Connect | Instance state | Actions | Launch instances | Find Instance by attribute or tag (case-sensitive) | All states | Dashboard | EC2 Global View | Events | Instances | Unselect instance: myserver | Instance ID | Instance state | Instance type | Status check | Alarm status | Availability Zone | Public IP | myserver | i-0b9ce837a39386468 | Running | t3.small | 2/2 checks passed | View alarms | ap-south-1b | ec2-3-109 | Instances (1/1) | Details | Status and alarms | Monitoring | Security | Networking | Storage | Tags | i-0b9ce837a39386468 (myserver) | Details | Status and alarms | Monitoring | Security | Networking | Storage | Tags | Instance summary | Instance ID: i-0b9ce837a39386468 | IPv6 address: - | Public IPv4 address: 3.109.206.202 | Private IPv4 addresses: 172.31.14.193 | Instance state: Running | Public DNS: ec2-3-109-206-202.ap-south-1.compute.amazonaws.com | CloudShell | Feedback | © 2025, Amazon Web Services, Inc. or its affiliates. | Privacy | Terms | Cookie preferences | Feels hotter Now | Search | Task View | File Explorer | This PC | File Manager | Microsoft Edge | Microsoft Word | Microsoft Excel | Microsoft Powerpoint | Microsoft OneDrive | Microsoft Teams | Microsoft Stream | Microsoft Edge Dev | Spotify | 18:42 | ENG IN | 12-07-2025

Instances (1/1)

Last updated less than a minute ago

Connect

Instance state

Actions

Launch instances

Find Instance by attribute or tag (case-sensitive)

All states

Dashboard

EC2 Global View

Events

Instances

Unselect instance: myserver

Name

Instance ID

Instance state

Instance type

Status check

Alarm status

Availability Zone

Public IP

myserver

i-0b9ce837a39386468

Running

t3.small

2/2 checks passed

View alarms

ap-south-1b

ec2-3-109

i-0b9ce837a39386468 (myserver)

Details

Status and alarms

Monitoring

Security

Networking

Storage

Tags

Instance summary

Instance ID: i-0b9ce837a39386468

IPv6 address: -

Public IPv4 address: 3.109.206.202

Private IPv4 addresses: 172.31.14.193

Instance state: Running

Public DNS: ec2-3-109-206-202.ap-south-1.compute.amazonaws.com

CloudShell

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This PC

File Manager

Microsoft Edge

Microsoft Word

Microsoft Excel

Microsoft Powerpoint

Microsoft OneDrive

Microsoft Teams

Microsoft Stream

Microsoft Edge Dev

Spotify

18:42

ENG IN

12-07-2025

Connect to instance | EC2 | ap-south-1

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#ConnectToInstance:instanceId=i-0b9ce837a39386468

aws | Search [Alt+S]

EC2 > Instances > i-0b9ce837a39386468 > Connect to instance

Connect Info

Connect to an instance using the browser-based client.

Session Manager RDP client EC2 serial console

Record RDP connections You can now record RDP connections using AWS Systems Manager just-in-time node access. [Learn more](#)

Try for free X

Instance ID i-0b9ce837a39386468 (myserver)

Connection Type

Connect using RDP client Download a file to use with your RDP client and remove your password.

Connect using Fleet Manager To connect to the instance using Fleet Manager Remote Desktop, the SSM Agent must be installed and running on the instance. For more information, see [Working with SSM Agent](#)

You can connect to your Windows instance using the remote desktop client of your choice, and by downloading and running the RDP shortcut file below:

[Download remote desktop file](#)

When prompted, connect to your instance using the following username and password:

Public DNS ec2-3-109-206-202.ap-south-1.compute.amazonaws.com

Username info Administrator

Password [Get password](#)

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Feels hotter Now ENG IN 18:43 12-07-2025



Get windows password | EC2 | + - X

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#GetWindowsPassword:instanceId=i-0b9ce837a39386468;previousPlace=ConnectToInstance;lang=English

aws | Search [Alt+S] | Asia Pacific (Mumbai) | Sanya | EC2 > Instances > i-0b9ce837a39386468 > Get Windows password

Get Windows password Info

Use your private key to retrieve and decrypt the initial Windows administrator password for this instance.

Instance ID i-0b9ce837a39386468 (myserver)

Key pair associated with this instance keypair01

Private key
Either upload your private key file or copy and paste its contents into the field below.

keypair01.pem 1.678KB

Private key contents - optional

```
-----BEGIN RSA PRIVATE KEY-----  
MIIEpAIBAAKCAQEAxouwGS/+jWn8Fjpq5kucT+LUzdRpT5J2bkX52KNHbNi2G3tn  
2tissudPad+Zf3DnRLUEhj7BY/2H7/t0QypflULjTj4bBRzpk8/SVgB35r0755  
Aor07t+TEHbEG/Z57anK+6dS5lzMmNQ+PBqrRft05s8htpaBzyHZ7JBTrAZbNy8t  
8JMeaXqW5xeGtGFk+SYhiLHRucfYNFuLuLvcYUlcTsAs1JgPx4VFen6+q3v6cYwW  
Nfd9ehnKsTB8LsYhHrQ3A8zDocvRi4MrL3RY5J4C3jYVSfDDspS3H7XVv1NY3qVF  
4shyecQjVsYS6wg7xq2RwRbi3JYWoSAsHCZICwlDAQABAoIBAQDEvX5xcMKQBL68  
IASLoc7BxmbS0zHLnLloSkTqq9IB/XhuwRiHXb+7w8QiiH5FL26rwagLErJ1z6vd
```

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WI - AUS In 6 hours ENG IN 18:43 12-07-2025

Connect to instance | EC2 | ap-south-1

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#ConnectToInstance:instanceId=i-0b9ce837a39386468

aws | Search [Alt+S] | Asia Pacific (Mumbai) | Sanya | EC2 > Instances > i-0b9ce837a39386468 > Connect to instance

Instance ID
i-0b9ce837a39386468 (myserver)

Connection Type
 Connect using RDP client
Download a file to use with your RDP client and retrieve your password.

You can connect to your Windows instance using a remote desktop client of your choice.

[Download remote desktop file](#)

When prompted, connect to your instance using the following username and password:

Public DNS
ec2-3-109-206-202.ap-south-1.compute.amazonaws.com

Password copied

EV;XoFAQUNkp&7y%opF4... (View)

If you've joined your instance to a directory, you can use your directory credentials to connect to your instance.

Remote Desktop Connection
The identity of the remote computer cannot be verified. Do you want to connect anyway?
The remote computer could not be authenticated due to problems with its security certificate. It may be unsafe to proceed.
Certificate name:
Name in the certificate from the remote computer: EC2AMAZ-Q06EF73
Certificate errors:
The following errors were encountered while validating the remote computer's certificate:
The certificate is not from a trusted certifying authority.
Do you want to connect despite these certificate errors?
 Don't ask me again for connections to this computer
View certificate... Yes No

Fleet Manager Remote Desktop, the SSM Agent must be installed and running on the target instance. See [Working with SSM Agent](#).

Cancel

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WI - AUS In 6 hours

Search

18:44 12-07-2025

Instances | EC2 | ap-south-1

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

aws | Instances | Search [Alt+S] | ? | 🌐 | Asia Pacific (Mumbai) | Sanya | EC2 > Instances | Actions ▲ | Launch instances ▼ | Instance diagnostics | Instance settings | Networking | Security | Image and templates | Monitor and troubleshoot

EC2

Instances (1/1) Info

Last updated 2 minutes ago

Find Instance by attribute or tag (case-sensitive)

All states

Name Instance ID Instance state Instance type Status check Alarm s

myserver i-0b9ce837a39386468 Running t3.small 3/3 checks passed View all

Create image Create template from instance Launch more like this

i-0b9ce837a39386468 (myserver)

Details Status and alarms Monitoring Security Networking Storage Tags

Instance summary Info

Instance ID i-0b9ce837a39386468

Public IPv4 address 3.109.206.202 | open address

Private IPv4 addresses 172.31.14.193

IPv6 address -

Instance state Running

Public DNS ec2-3-109-206-202.ap-south-1.compute.amazonaws.com | open address

CloudShell Feedback

Light rain Tomorrow

Search

19:00 12-07-2025

A red arrow points to the 'Instances' section in the left sidebar. A green arrow points to the instance details for 'myserver'. A yellow arrow points to the 'Actions' dropdown menu. A blue arrow points to the 'Public DNS' information.

Create Image | EC2 | ap-south-1 +

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateImage:instanceId=i-0b9ce837a39386468

aws | Search [Alt+S] | Asia Pacific (Mumbai) | Sanya

EC2 > Instances > i-0b9ce837a39386468 > 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 the configuration of an existing instance.

Image details

Instance ID
 i-0b9ce837a39386468 (myserver)

Image name
image001

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

Image description - optional
Image description

Maximum 255 characters

Reboot instance

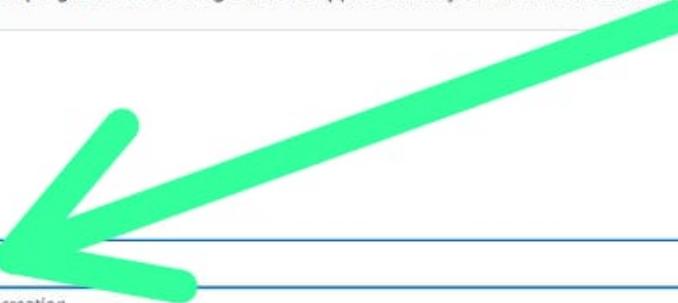
When selected, Amazon EC2 reboots the instance so that data is at rest when snapshots of the attached volumes are taken. This ensures data consistency.

Instance volumes

Storage type	Device	Snapshot	Size	Volume type	IOPS	Throughput	Delete on termination	Encrypted
EBS	/dev/...	Create new snapshot fr...	30	EBS General Purpose SS...	3000		<input checked="" type="checkbox"/> Enable	<input type="checkbox"/> Enable

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Light rain Tomorrow ENG IN 19:01 12-07-2025





EC2

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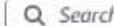
Volumes (1/1) InfoLast updated
less than a minute ago

Actions

Create volume

Saved filter sets

Choose filter set



Search

<input checked="" type="checkbox"/>	Name	Volume ID	Type	Size	IOPS	Throughput	Snapshot ID	Last updated
<input checked="" type="checkbox"/>		vol-0a42ff82cc2e2e6d3	gp3	30 GiB	3000	125	snap-0ca01db...	2025/07/14 01:07 GMT+5:...

Volume ID: vol-0a42ff82cc2e2e6d3

Details

Status checks

Monitoring

Tags

Volume ID

 vol-0a42ff82cc2e2e6d3

Size

 30 GiB

Type

gp3

Status check

Okay

AWS Compute Optimizer finding

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

Volume state

In-use

IOPS

3000

Throughput

125

Fast snapshot restored

No

Availability Zone

ap-south-1b

Created

 Mon Jul 14 2025 01:07:51 GMT+0530
(India Standard Time)

Multi-Attach enabled

No

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29°C

Mostly cloudy



Search



01:19

14-07-2025

Create volume | EC2 | ap-south-1 +

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

aws | Search [Alt+S] | Asia Pacific (Mumbai) | Sanya

EC2 > Volumes > Create volume

Volume settings

Volume type | Info
General Purpose SSD (gp2)

Size (GiB) | Info
10
Min: 1 GiB, Max: 16384 GiB.

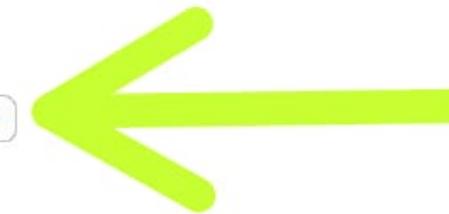
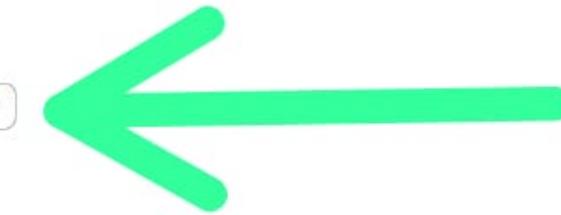
IOPS | Info
100 / 3000
Baseline of 3 IOPS per GiB with a minimum of 100 IOPS, burstable to 3000 IOPS.

Throughput (MiB/s) | Info
Not applicable

Availability Zone | Info
ap-south-1b

Snapshot ID - optional | Info
Don't create volume from a snapshot

Encryption | Info
Use Amazon EBS encryption as an encryption solution for your EBS resources associated with your EC2 instances.
 Encrypt this volume



Snapshot ID - optional [Info](#)

Don't create volume from a snapshot

Encryption [Info](#)

Use Amazon EBS encryption as an encryption solution for your EBS resources associated with your EC2 instances.

 Encrypt this volumeTags - optional [Info](#)

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.

No tags associated with the resource.

[Add tag](#)

You can add 50 more tags.

Snapshot summary [Info](#)

Click refresh to view backup information

The volume type that you select and the tags that you assign determine whether the volume will be backed up by any Data Lifecycle Manager policies.

[Cancel](#)[Create volume](#)



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Feedback

⌚ Successfully created volume vol-01311264ccc2c2016.

Volumes (2) InfoLast updated
less than a minute ago

Actions

Create volume

Saved filter sets

Choose filter set

Search

Zone	Volume state	Alarm status	Attached resources	Status check	Initialization state	Encryption	KMS key ID
	<input checked="" type="checkbox"/> In-use	No alarms	+ a9f6c2cd2fc9ce16 (serv...)	<input checked="" type="checkbox"/> Okay	<input type="radio"/> Initializing (47%)	Not encrypted	-
	<input checked="" type="checkbox"/> Available	No alarms	+ -	<input checked="" type="checkbox"/> Okay	-	Not encrypted	-

Fault tolerance for all volumes in this Region

Snapshot summary

Recently backed up volumes / Total # volumes

0 / 1

Last updated on Mon, Jul 14, 2025, 01:19:33 AM (GMT+05:30)

Data Lifecycle Manager default policy for EBS Snapshots status

No default policy set up | Create policy

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Search

01:21
14-07-2025

Successfully created volume vol-01311264ccc2c2016.

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Volumes (1/2) Info

Saved filter sets

Choose filter set

Search



Name



Volume ID



Type



Size



IOPS



Throughput



vol-0a42ff82cc2e2e6d3 gp3 30 GiB 3000 125



vol-01311264ccc2c2016 gp2 10 GiB 100

Last updated
less than a minute ago



Actions

Create volume



1



Modify volume

Create snapshot

Create snapshot lifecycle policy

Delete volume

Attach volume

Detach volume

Force detach volume

Manage auto-enabled I/O

Manage tags

Fault injection

Volume ID: vol-01311264ccc2c2016

Details

Status checks

Monitoring

Tags

Volume ID

vol-01311264ccc2c2016

Size

10 GiB

Type

gp2

Status check

Okay

AWS Compute Optimizer finding

ⓘ Opt-in to AWS Compute Optimizer for recommendations. | Learn more

Volume state

Available

IOPS

100

Throughput

Fast snapshot restored

No

Availability Zone

ap-south-1b

Created

Mon Jul 14 2025 01:22:10 GMT+0530
(India Standard Time)

Multi-Attach enabled

No

Dashboard | EC2 | ap-south-1 X Volumes | EC2 | ap-south-1 X + ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#Volumes: Search [Alt+S] AWS Asia Pacific (Mumbai) Mahima%20 EC2 Successfully created volume vol-01311264ccc2c2016. Volumes (1/2) Info Actions Create volume Last updated less than a minute ago Choose filter set Search Name Volume ID Type Size IOPS Throughput vol-0a42ff82cc2e2e6d3 gp3 30 GiB 3000 125 vol-01311264ccc2c2016 gp2 10 GiB 100 Attach volume Detach volume Force detach volume Manage auto-enabled I/O Manage tags Fault injection Instances Instances Instance Types Launch Templates Spot Requests Savings Plans Reserved Instances Dedicated Hosts Capacity Reservations Images AMIs AMI Catalog Elastic Block Store Volumes Snapshots Lifecycle Manager Details Status checks Monitoring Tags Volume ID vol-01311264ccc2c2016 AWS Compute Optimizer finding Opt-in to AWS Compute Optimizer for recommendations. | Learn more Fast snapshot restored No Size 10 GiB Volume state Available Availability Zone ap-south-1b Type gp2 IOPS 100 Created Mon Jul 14 2025 01:22:10 GMT+0530 (India Standard Time) Status check Okay Throughput - Multi-Attach enabled No CloudShell Feedback © 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences 29°C Mostly cloudy ENG IN 01:21 14-07-2025

Attach volume Info

Attach a volume to an instance to use it as you would a regular physical hard disk drive.

Basic details

Volume ID

 [vol-0fe5d4b961aeb589f](#)

Availability Zone

ap-south-1b

Instance | Info

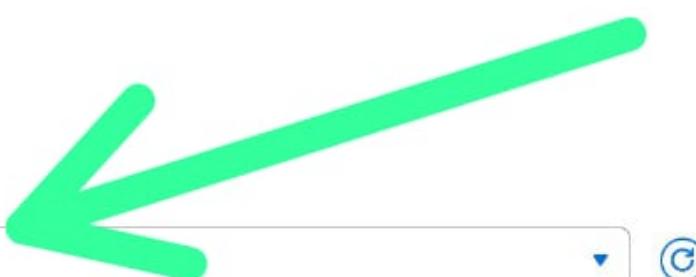
i-0b9ce837a39386468
(myserver) (running)

Only instances in the same Availability Zone as the selected volume are displayed.

Device name | Info

xvdc

Recommended device names for Windows: /dev/sda1 for root volume, xvd[f-p] for data volumes.



[Cancel](#)

Attach volume

Volumes | EC2 | ap-south-1

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

Search [Alt+S]

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Last updated less than a minute ago

Actions Create volume

Successfully attached volume vol-0fe5d4b961aeb589f to instance i-0b9ce837a39386468.

Size	IOPS	Throughput	Snapshot ID	Created	Availability Zone	Volume state	Alarm status
10 GiB	100	-	-	2025/07/12 19:15 GMT+05:30	ap-south-1b	In-use	No alarms
30 GiB	3000	125	snap-0ca01db...	2025/07/12 18:42 GMT+05:30	ap-south-1b	In-use	No alarms

Fault tolerance for all volumes in this Region

Snapshot summary

Recently backed up volumes / Total # volumes

1 / 1

Last updated on Sat, Jul 12, 2025, 07:11:39 PM (GMT+05:30)

Data Lifecycle Manager default policy for EBS Snapshots status

No default policy set up | Create policy

31°C Mostly cloudy

ENG IN 19:17 12-07-2025

Create Auto Scaling group | EC2 Create Auto Scaling group | EC2

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

aws Search [Alt+S] Asia Pacific (Mumbai) Sanya

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
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.

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

Launch template Info

i 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.

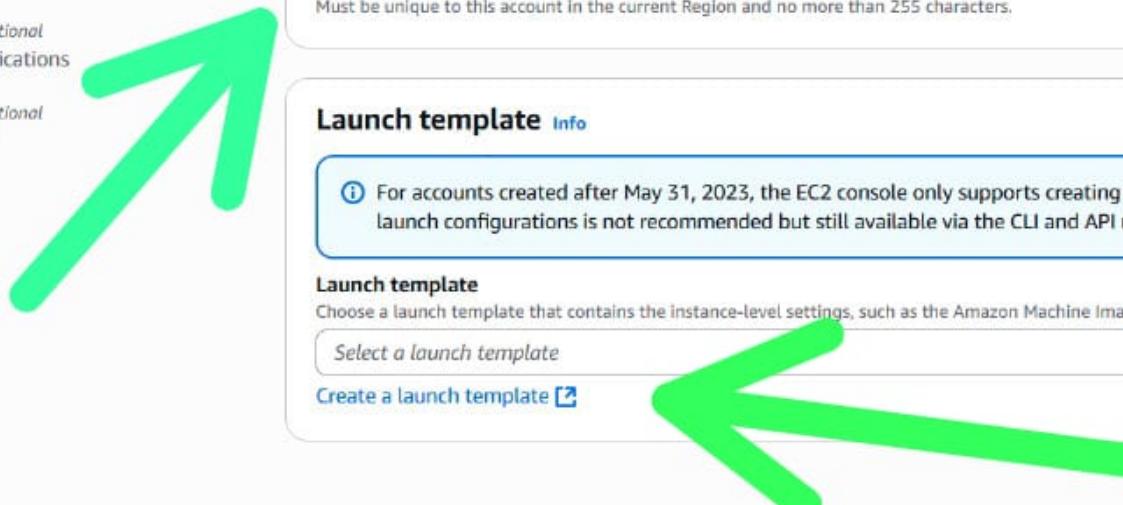
Launch template
Choose a launch template that contains the instance-level settings, such as the Amazon Machine Image (AMI), instance type, key pair, and security groups.

Select a launch template

Create a launch template

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Hot days ahead 33°C ENG IN 13:32 14-07-2025



Create Auto Scaling group | EC2 Create launch template | EC2

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

aws | Search [Alt+S] | Asia Pacific (Mumbai) | Sanya | i | Q | E | F

EC2 > Launch templates > Create launch template

have multiple versions.

Launch template name and description

Launch template name - required

tempo1

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

Launch template contents

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

▼ Application and OS Images (Amazon Machine Image) - 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.

Summary

Software Image (AMI)

Virtual server type (instance type)

Firewall (security group)

Storage (volumes)

Free tier: In your first year of opening an AWS account, you get 750 hours per month of t2.micro instance usage (or t3.micro where t2.micro isn't available) when used with free tier AMIs, 750 hours per month of public IPv4 address usage, 30 GiB of EBS storage, 2 million I/Os, 1 GB of snapshots, and 100 GB of bandwidth to the internet.

Cancel Create launch template

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NIFTY -0.44% 13:35 14-07-2025

Create Auto Scaling group | EC2 Create launch template | EC2

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

aws Search [Alt+S] Asia Pacific (Mumbai) Sanya

EC2 > Launch templates > Create launch template

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

Recents My AMIs Quick Start

Owned by me Shared with me

Browse more AMIs Including AMIs from AWS, Marketplace and the Community

Amazon Machine Image (AMI)

image01
ami-0b531aed37e7ba5f9
2025-07-14T07:56:54.000Z Virtualization: hvm ENA enabled: true Root device type: ebs Boot mode: uefi

Description

Architecture x86_64 AMI ID ami-0b531aed37e7ba5f9

Summary

Software Image (AMI)
image01
ami-0b531aed37e7ba5f9

Virtual server type (instance type)

Firewall (security group)

Storage (volumes)
1 volume(s) - 30 GiB

i Free tier: In your first year of opening an AWS account, you get 750 hours per month of t2.micro instance usage (or t3.micro where t2.micro isn't available) when used with free tier AMIs, 750 hours per month of public IPv4 address usage, 30 GiB of EBS storage, 2 million I/Os, 1 GB of snapshots, and 100 GB of bandwidth to the internet.

Cancel Create launch template

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Create Auto Scaling group | EC2 | Create launch template | EC2 | +

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

aws | Search [Alt+S] | Sanya | Asia Pacific (Mumbai) | i | Q | E | F

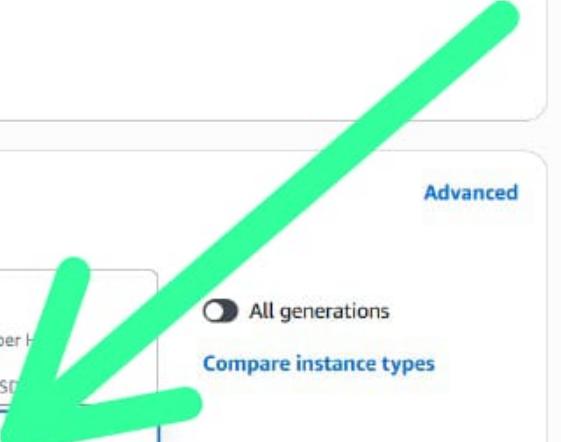
EC2 > Launch templates > Create launch template

Architecture: x86_64 | AMI ID: ami-0b531aed37e7ba5f9

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

Instance type: t3.small

Family: t3 2 vCPU 2 GiB Memory Current generation: true
On-Demand SUSE base pricing: 0.0534 USD per Hour On-Demand RHEL base pricing: 0.0512 USD per Hour
On-Demand Ubuntu Pro base pricing: 0.0259 USD per Hour
On-Demand Windows base pricing: 0.0408 USD per Hour On-Demand Linux base pricing: 0.0224 USD per Hour

Search 

All generations Compare instance types

Get advice on instance type selection...

Don't include in launch template

t3.nano

Family: t3 2 vCPU 0.5 GiB Memory Current generation: true
On-Demand Linux base pricing: 0.0056 USD per Hour On-Demand SUSE base pricing: 0.0056 USD per Hour
On-Demand Windows base pricing: 0.0102 USD per Hour
On-Demand Ubuntu Pro base pricing: 0.0091 USD per Hour

t3.micro

Family: t3 2 vCPU 1 GiB Memory Current generation: true
On-Demand Ubuntu Pro base pricing: 0.0147 USD per Hour
On-Demand Linux base pricing: 0.0112 USD per Hour On-Demand RHEL base pricing: 0.04 USD per Hour
On-Demand SUSE base pricing: 0.0112 USD per Hour On-Demand Windows base pricing: 0.0204 USD per Hour

▼ Network settings [Info](#)

pair before you launch the instance.
[Create new key pair](#)
connect to your instance.

▼ Summary

Software Image (AMI): image01
ami-0b531aed37e7ba5f9

Virtual server type (instance type): t3.small

Firewall (security group): -

Storage (volumes): 1 volume(s) - 30 GiB

Free tier: In your first year of opening an AWS account, you get 750 hours per month of t2.micro instance usage (or t3.micro where t2.micro isn't available) when used with free-tier AMIs, 750 hours per month of public IPv4 address usage, 30 GiB of EBS storage, 2 million I/Os, 1 GB of snapshots, and 100 GB of bandwidth to the internet.

Cancel **Create launch template**

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SL - BAN Game score ENG IN 13:36 14-07-2025

Creating a Launch Template in AWS Cloud9

The screenshot shows the AWS Cloud9 interface with multiple tabs open, including "Create Auto Scaling group | EC2" and "Create launch template | EC2". The main window displays the "Create launch template" process.

Key pair (login) Info

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

Key pair name

keypair01

Software Image (AMI)

image01
ami-0b531aed37e7ba5f9

Virtual server type (instance type)

t3.small

Firewall (security group)

-

Storage (volumes)

1 volume(s) - 30 GiB

Free tier: In your first year of opening an AWS account, you get 750 hours per month of t2.micro instance usage (or t3.micro where t2.micro isn't available) when used with free tier AMIs, 750 hours per month of public IPv4 address usage, 30 GiB of EBS storage, 2 million I/Os, 1 GB of snapshots, and 100 GB of bandwidth to the internet.

Create launch template

A large green arrow points from the "keypair01" input field towards the "Create launch template" button.

Bottom Navigation

CloudShell Feedback

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ENG IN

13:36 14-07-2025

Create Auto Scaling group | EC2 Create launch template | EC2

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

aws | Search [Alt+S] | Sanya | Asia Pacific (Mumbai)

EC2 > Launch templates > Create launch template

Availability Zone Info

Don't include in launch template

Not applicable for EC2 Auto Scaling

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

Specify a custom value...

launch-wizard-6 VPC: vpc-06795dc3f10769cb5 sg-084397a713217879f

launch-wizard-4 VPC: vpc-06795dc3f10769cb5 sg-0abb9aee0b2bb761a

launch-wizard-11 VPC: vpc-06795dc3f10769cb5 sg-0fafa3d1332cebbdc

launch-wizard-3 VPC: vpc-06795dc3f10769cb5 sg-02383de9b07b255a0

launch-wizard-10 VPC: vpc-06795dc3f10769cb5 sg-0c7168493cd98e6b6

launch-wizard-2 VPC: vpc-06795dc3f10769cb5 sg-089059e5ce6b075f0

Enable additional zones

Compare security group rules

Hide details

Summary

Software Image (AMI)
image01
ami-0b531aed37e7ba5f9

Virtual server type (instance type)
t3.small

Firewall (security group)
3 security groups

Storage (volumes)
1 volume(s), 1 GiB

Free tier: In your first year of opening an AWS account, you get 750 hours per month of t2.micro instance usage or t3.micro where t2.micro isn't available, when used with free-tier AMIs, 750 hours per month of public IPv4 address usage, 30 GiB of EBS storage, 1 million I/Os, 1 GB of snapshots, and 10 Gbps bandwidth to the internet.

Cancel Create launch template

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Finance headline US consumer se... ENG IN 13:37 14-07-2025

Create Auto Scaling group | EC2 Create launch template | EC2 + ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateTemplate:autoScalingGuidance=true

aws Search [Alt+S] Asia Pacific (Mumbai) Sanya

EC2 > Launch templates > Create launch template

Success Successfully created tempo1(lt-0459b521116e14a09).

Actions log

Next Steps

Launch an instance

With On-Demand Instances, you pay for compute capacity by the second (for Linux, with a minimum of 60 seconds) or by the hour (for all other operating systems) with no long-term commitments or upfront payments. Launch an On-Demand Instance from your launch template.

Launch instance from this template

Create an Auto Scaling group from your template

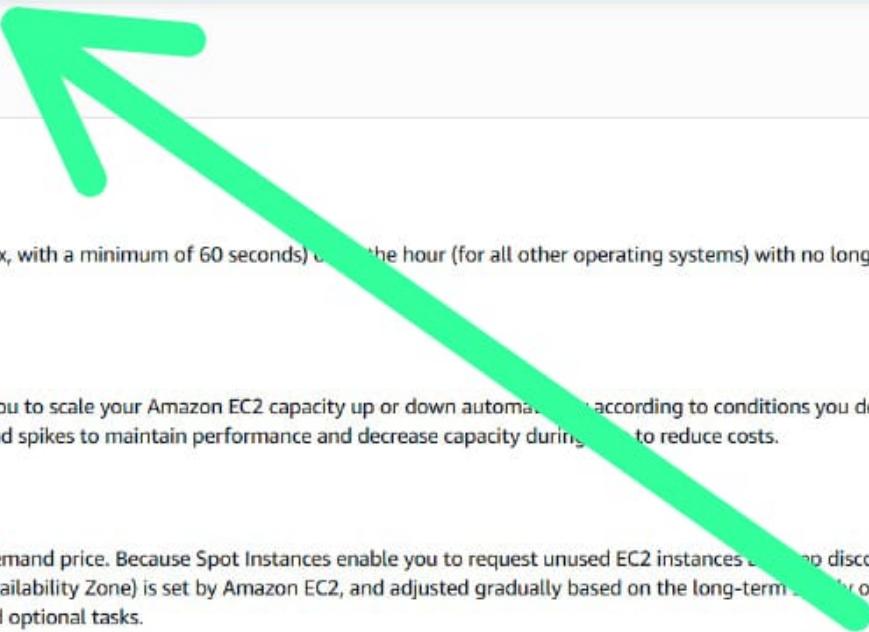
Amazon EC2 Auto Scaling helps you maintain application availability and allows you to scale your Amazon EC2 capacity up or down automatically according to conditions you define. You can use Auto Scaling to help ensure that you are running your desired number of Amazon EC2 instances during demand spikes to maintain performance and decrease capacity during lulls to reduce costs.

Create Auto Scaling group

Create Spot Fleet

A Spot Instance is an unused EC2 instance that is available for less than the On-Demand price. Because Spot Instances enable you to request unused EC2 instances at deep discounts, you can lower your Amazon EC2 costs significantly. The hourly price for a Spot Instance (of each instance type in each Availability Zone) is set by Amazon EC2, and adjusted gradually based on the long-term supply of and demand for Spot Instances. Spot Instances are well-suited for data-analysis, batch jobs, background processing, and optional tasks.

Create Spot Fleet



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Finance headline US consumer se... ENG IN 13:38 14-07-2025

Create Auto Scaling group | EC2 Create launch template | EC2

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

aws Search [Alt+S] Asia Pacific (Mumbai) Sanya

EC2 > Auto Scaling groups > Create Auto Scaling group

Integrate with other services
Step 4 - optional
Configure group size and scaling
Step 5 - optional
Add notifications
Step 6 - optional
Add tags
Step 7
Review

Auto Scaling group name
Enter a name to identify the group.
asg01
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 configuration, such as the Amazon Machine Image (AMI), instance type, key pair, and security groups.

tempo1

Search launch templates

tempo1

temp02

temp21

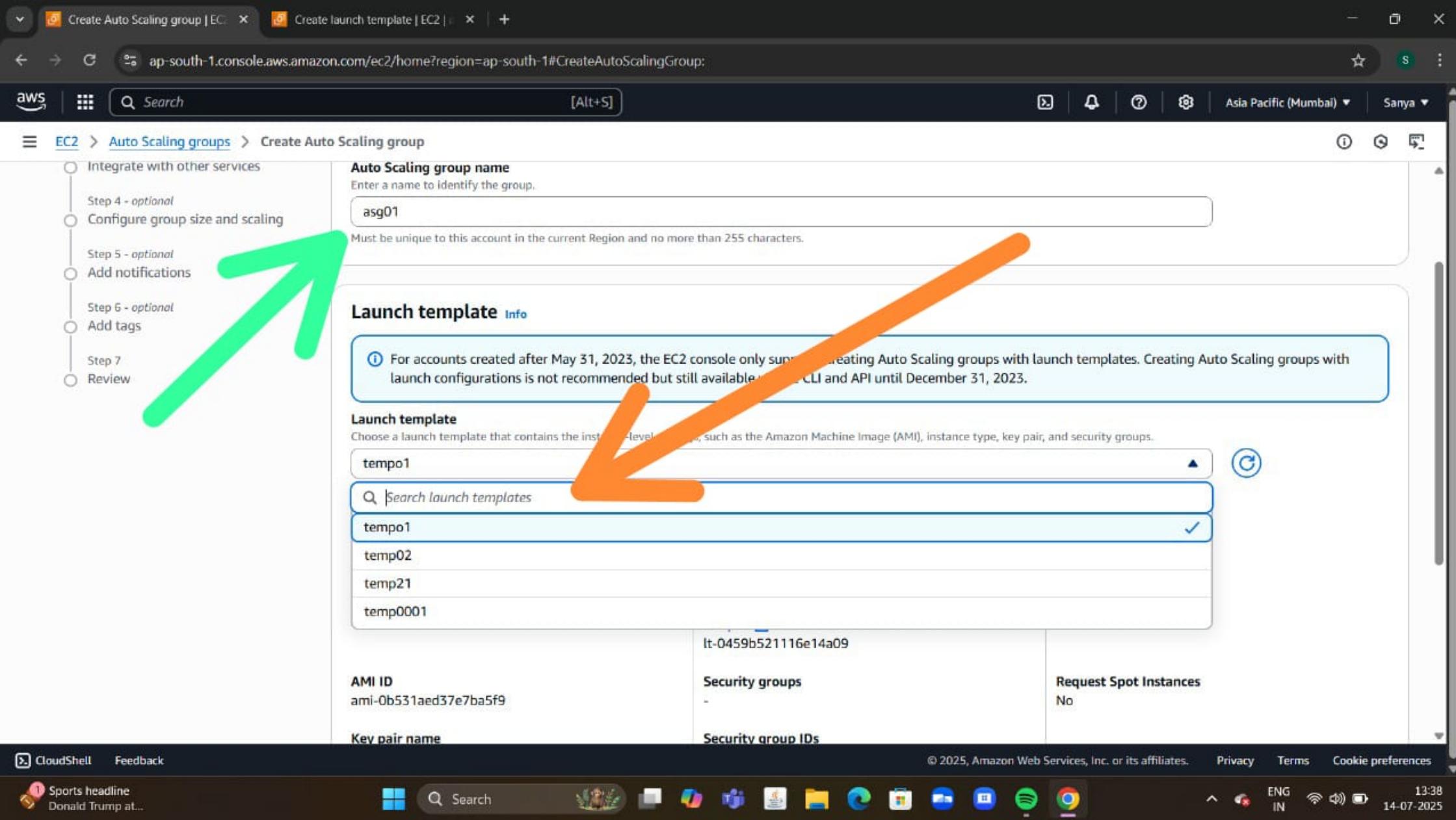
temp0001

AMI ID: ami-0b531aed37e7ba5f9
Security groups: -
Request Spot Instances: No

Key pair name: Security group IDs:

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Sports headline: Donald Trump at... ENG IN 13:38 14-07-2025



Create Auto Scaling group | EC2 Create launch template | EC2 | +

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

aws Search [Alt+S] Asia Pacific (Mumbai) Sanya

EC2 > Auto Scaling groups > Create Auto Scaling group

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-06795dc3f10769cb5
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

aps1-az1 (ap-south-1a) | subnet-096408d4f20ff0861
172.31.32.0/20 Default

aps1-az2 (ap-south-1c) | subnet-0e448405cd844301d
172.31.16.0/20 Default

aps1-az3 (ap-south-1b) | subnet-0a0bbddc0be7aed1f
172.31.0.0/20 Default

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.

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Humid Now

13:39 14-07-2025

Create Auto Scaling group | EC2 Create launch template | EC2

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

aws | Search [Alt+S] | Sanya | Asia Pacific (Mumbai) | Step 6 - optional | Add tags | Step 7 | Review | i | Q | E

EC2 > Auto Scaling groups > Create 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.

asg01-1

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-06795dc3f10769cb5

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.

aps1-az3 (ap-south-1b)

subnet-0a0bbddc0be7aed1f

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Create Auto Scaling group | EC2 Create launch template | EC2

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

aws | Search [Alt+S] | [] | [] | [] | Asia Pacific (Mumbai) | Sanya | EC2 > Auto Scaling groups > Create Auto Scaling group

aps1-az3 (ap-south-1b) subnet-0a0bbddc0be7aed1f

aps1-az1 (ap-south-1a) subnet-096408d4f20ff0861

aps1-az2 (ap-south-1c) subnet-0e448405cd844301d

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	tg1 HTTP

Tags - optional
Consider adding tags to your load balancer. Tags enable you to categorize your AWS resources.

Add tag

50 remaining

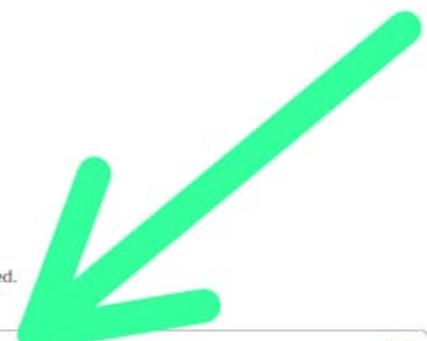
VPC Lattice integration options Info

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 resources.

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



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During an Availability zone impairment, target instance launches towards other healthy Availability zones.

Enable zonal shift
New instance launches will be retargeted towards healthy Availability Zones until the zonal shift is canceled.

Health checks

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

EC2 health checks
 Always enabled

Additional health check types - optional | Info

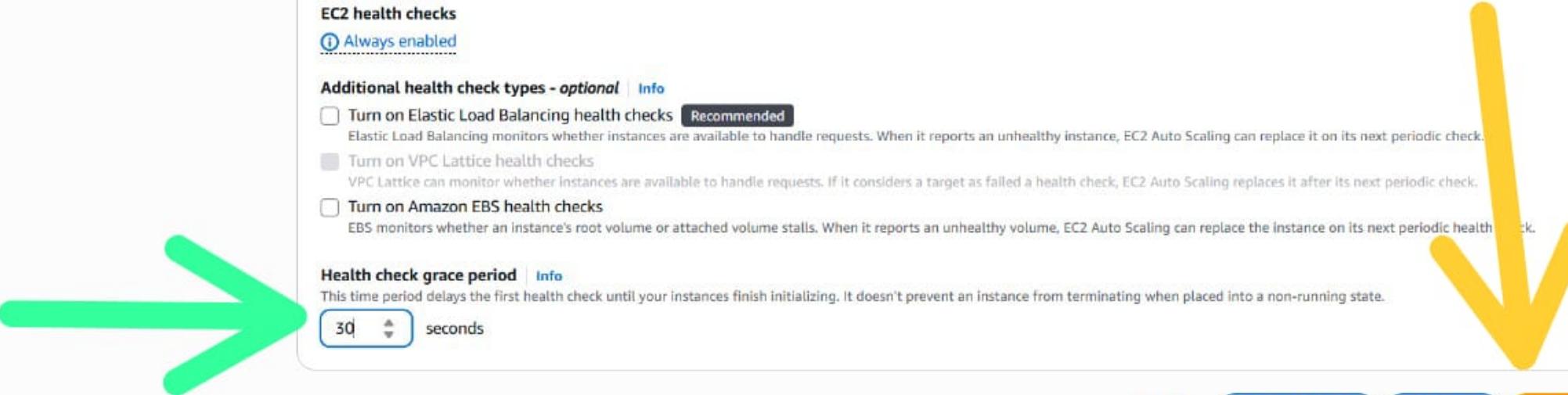
Turn on Elastic Load Balancing health checks **Recommended**
Elastic Load Balancing monitors whether instances are available to handle requests. When it reports an unhealthy instance, EC2 Auto Scaling can replace it on its next periodic check.

Turn on VPC Lattice health checks
VPC Lattice can monitor whether instances are available to handle requests. If it considers a target as failed a health check, EC2 Auto Scaling replaces it after its next periodic check.

Turn on Amazon EBS health checks
EBS monitors whether an instance's root volume or attached volume stalls. When it reports an unhealthy volume, EC2 Auto Scaling can replace the instance on its next periodic health check.

Health check grace period | Info
This time period delays the first health check until your instances finish initializing. It doesn't prevent an instance from terminating when placed into a non-running state.
30 seconds

Cancel Skip to review Previous Next



Create Auto Scaling group | EC2 Create launch template | EC2

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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

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	Max desired capacity
1	3

Equal or less than desired capacity Equal or greater than desired capacity

Automatic scaling - optional

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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
Target Tracking Policy

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
70

Instance warmup | Info
30 seconds

Disable scale in to create only a scaling policy

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

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The screenshot shows the 'Create Auto Scaling group' wizard in the AWS Management Console. The 'Automatic scaling - optional' section is displayed. It offers two options: 'No scaling policies' (which remains at initial size) and 'Target tracking scaling policy' (which uses CloudWatch metrics). The 'Target tracking scaling policy' is selected and highlighted with a blue border. Below it, fields for 'Scaling policy name' (set to 'Target Tracking Policy'), 'Metric type' (set to 'Average CPU utilization'), and 'Target value' (set to '70') are shown. A large green arrow points to the 'No scaling policies' section, a large red arrow points to the 'Target tracking scaling policy' section, and a large yellow arrow points to the 'Target value' input field. At the bottom, there's a section for 'Instance maintenance policy'.

Create Auto Scaling group | EC2 Create launch template | EC2

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

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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
Step 6 - optional
● Add tags
Step 7
● Review

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



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EC2 > Auto Scaling groups > Create Auto Scaling group

Capacity Reservation preference

Preference: Default Capacity Reservation IDs: - Resource Groups: -

Step 5: Add notifications

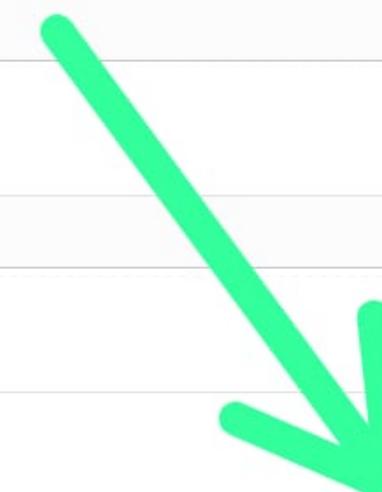
Notifications: No notifications Edit

Step 6: Add tags

Tags (0): Tag new instances

No tags

Preview code Cancel Previous Create Auto Scaling group



Auto Scaling groups | EC2 | ap-south-1 | Create launch template | EC2 | Asia Pacific (Mumbai) | Sanya

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

aws | Search [Alt+S] | [Alt+S]

EC2 > Auto Scaling groups

Last updated less than a minute ago

Launch configurations Launch templates Actions Create Auto Scaling group

Search your Auto Scaling groups

< 1 > |

Name	Launch template/configuration	Instances	Status	Desired capacity	Min	Max	Availability Zones
asg01	tempo1 Version Default	3	-	3	1	3	3 Availability Zones

0 Auto Scaling groups selected

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Instances | EC2 | ap-south-1 × Create launch template | EC2 | +

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EC2 Instances (4) Info

Find Instance by attribute or tag (case-sensitive)

All states ▾

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IP
	i-0862b59dd1979d706	Running	t3.small	Initializing	View alarms +	ap-south-1c	ec2-13-20
mss	i-0d04229609a0d261d	Terminated	t3.micro	-	View alarms +	ap-south-1b	-
	i-0115a283e8f47bdfe	Running	t3.small	Initializing	View alarms +	ap-south-1b	ec2-52-68
	i-0003899f409805ff0	Running	t3.small	Initializing	View alarms +	ap-south-1a	ec2-3-11

Select an instance

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EC2 Instances

- Dashboard
- EC2 Global View
- Events
- Instances
 - Instances
 - Instance Types
 - Launch Templates
 - Spot Requests
 - Savings Plans
 - Reserved Instances
 - Dedicated Hosts
 - Capacity Reservations
- Images
 - AMIs
 - AMI Catalog
- Elastic Block Store
 - Volumes
 - Snapshots
 - Lifecycle Manager

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