

1. Add more (Increase) Volume to the existing volume

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
ebs [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

Summary

Number of instances [Info](#)
1

Software Image (AMI)
Amazon Linux 2023 AMI 2023.4.2...[read more](#)
ami-0c101f26f147fa7fd

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](#) [X](#)

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[Review commands](#)

Amazon Machine Image (AMI)

Amazon Linux macOS Ubuntu Windows Red Hat SUSE Linux

Amazon Linux 2023 AMI
ami-0c101f26f147fa7fd (64-bit (x86), uefi-preferred) / ami-0d8f91fa8ecd3b58 (64-bit (Arm), uefi)
Virtualization: hvm ENA enabled: true Root device type: ebs [Free tier eligible](#)

Description
Amazon Linux 2023 AMI 2023.4.20240319.1 x86_64 HVM kernel-6.1

Architecture: 64-bit (x86) Boot mode: uefi-preferred AMI ID: ami-0c101f26f147fa7fd [Verified provider](#)

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

Instance type
t2.micro [Free tier eligible](#)

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Instance type

t2.micro [Free tier eligible](#)

Family: t2 1 vCPU 1 GiB Memory Current generation: true
On-Demand Windows base pricing: 0.0162 USD per Hour
On-Demand SUSE base pricing: 0.0116 USD per Hour
On-Demand RHEL base pricing: 0.0716 USD per Hour
On-Demand Linux base pricing: 0.0116 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
Ami [Create new key pair](#)

Network settings [Info](#)

VPC - required [Info](#)

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VPC - required

vpc-0b6b61ab36ff1c384 (Devops)

Subnet

subnet-0c11a59b8147a7dd9

PublicSubNet1

Auto-assign public IP

Enable

Additional charges apply when outside of free tier allowance

Firewall (security groups)

Create security group

Select existing security group

Security group name - required

launch-wizard-10

Description - required

launch-wizard-10 created 2024-03-31T07:43:18.034Z

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Inbound Security Group Rules

Security group rule 1 (TCP, 22, 0.0.0.0/0)

Type

ssh

Protocol

TCP

Port range

22

Source type

Anywhere

Source

0.0.0.0/0

Description - optional

e.g. SSH for admin desktop

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.

Add security group rule

Advanced network configuration

Configure storage

1x 8 GiB gp3

Root volume (Not encrypted)

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EC2 > Instances > Launch an instance

Launching instance

Launch initiation

79%

Details

Please wait while we launch your instance.

Do not close your browser while this is loading.

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EC2 > Instances > Launch an instance

Success
Successfully initiated launch of instance (i-02aaa7c25622ff742)

Launch log

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

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](#)

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

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2. Create volume

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EC2 > Volumes > Create volume

Create volume info
Create an Amazon EBS volume to attach to any EC2 instance in the same Availability Zone.

Volume settings

Volume type info
General Purpose SSD (gp3)
General Purpose SSD gp3 is now the default selection. gp3 provides up to 20% lower cost per GB than gp2.
[Learn More](#)

Size (GiB) info
5
Min: 1 GiB, Max: 16384 GiB. The value must be an integer.

IOPS info
3000
Min: 3000 IOPS, Max: 16000 IOPS. The value must be an integer.

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Throughput (MiB/s) info
125
Min: 125 MiB, Max: 1000 MiB. Baseline: 125 MiB/s.

Availability Zone info
us-east-1f

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

Tags - 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.

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Encryption

Info

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

☐ Encrypt this volume

Tags - 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.

CancelCreate volume

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Volumes (1/3)

Info

Search

1

Actions

Create volume

	Name	Volume ID	Type	Size	IOPS	Throughput	Snapshot	Created
<input type="checkbox"/>	-	vol-09670165a90f188e8	gp2	8 GiB	100	-	snap-091ad9e...	2024/02/1
<input type="checkbox"/>	-	vol-0d97a7bf247db5115	gp3	8 GiB	3000	125	snap-04819fa...	2024/03/3
<input checked="" type="checkbox"/>	-	vol-02cfad0a2b114ee7b	gp3	3 GiB	3000	125	-	2024/03/3

Volume ID: vol-02cfad0a2b114ee7b

DetailsStatus checksMonitoringTags

Volume ID

vol-02cfad0a2b114ee7b

AWS Compute Optimizer finding

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

Encryption

Not encrypted

Size

3 GiB

Volume state

Available

KMS key ID

-

Type

gp3

IOPS

3000

KMS key alias

-

Volume status

Okay

Throughput

125

KMS key ARN

-

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AMI Catalog

EC2 > Volumes > vol-02cfad0a2b114ee7b

vol-02cfad0a2b114ee7b

Actions

Delete

Modify

Volume ID

vol-02cfad0a2b114ee7b

AWS Compute Optimizer finding

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

Encryption

Not encrypted

Fast snapshot restored

No

Multi-Attach enabled

No

Size

3 GiB

Volume state

Available

KMS key ID

-

Snapshot

-

Attached resources

-

Type

gp3

IOPS

3000

KMS key alias

-

Availability Zone

us-east-1f

Outposts ARN

-

Volume status

Okay

Throughput

125

KMS key ARN

-

Created

Sun Mar 31 2024 13:16:24 GMT+0530 (India Standard Time)

Status checksMonitoringTags

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3. Increase volume/ Modify existing volume

Modify volume [Info](#)

Modify the type, size, and performance of an EBS volume.

Volume details

Volume ID
[vol-02cfad0a2b114ee7b](#)

Volume type [Info](#)
General Purpose SSD (gp3)

Size (GiB) [Info](#)
3
Min: 1 GiB, Max: 16384 GiB. The value must be an integer.

IOPS [Info](#)
3000
Min: 3000 IOPS, Max: 16000 IOPS. The value must be an integer.

Throughput (MiB/s) [Info](#)

Volume details

Volume ID
[vol-02cfad0a2b114ee7b](#)

Volume type [Info](#)
General Purpose SSD (gp3)

Size (GiB) [Info](#)
9
Min: 1 GiB, Max: 16384 GiB. The value must be an integer.

IOPS [Info](#)
3000
Min: 3000 IOPS, Max: 16000 IOPS. The value must be an integer.

Throughput (MiB/s) [Info](#)
125
Min: 125 MiB, Max: 1000 MiB. Baseline: 125 MiB/s.

[Cancel](#) [Modify](#)

Modify vol-02cfad0a2b114ee7b?

If you are increasing the size of the volume, you must extend the file system to the new size of the volume. You can only do this when the volume enters the optimizing state. For more information see extending the file system for [Linux](#) and [Windows](#).

The modification might take a few minutes to complete.

You are charged for the new volume configuration after volume modification starts. For pricing information, see [Amazon EBS Pricing](#).

Are you sure that you want to modify vol-02cfad0a2b114ee7b?

[Cancel](#) [Modify](#)

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Requested volume modification for volume vol-02cfad0a2b114ee7b. The volume is being modified.

Volumes (3) Info

Search

	Name	Volume ID	Type	Size	IOPS	Throughput	Snapshot	Created
<input type="checkbox"/>	-	vol-09670165a90f188e8	gp2	8 GiB	100	-	snap-091ad9e...	2024/02/17
<input type="checkbox"/>	-	vol-0d97a7bf247db5115	gp3	8 GiB	3000	125	snap-04819fa...	2024/03/31
<input type="checkbox"/>	-	vol-02cfad0a2b114ee7b	gp3	3 GiB	3000	125	-	2024/03/31

Summary for all volumes in this Region

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4. Increase the volume 3gb to 9gb

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Requested volume modification for volume vol-02cfad0a2b114ee7b. The volume is being modified.

Volumes (3) Info

Search

	Name	Volume ID	Type	Size	IOPS	Throughput	Snapshot	Created
<input type="checkbox"/>	-	vol-09670165a90f188e8	gp2	8 GiB	100	-	snap-091ad9e...	2024/02/17
<input type="checkbox"/>	-	vol-0d97a7bf247db5115	gp3	8 GiB	3000	125	snap-04819fa...	2024/03/31
<input type="checkbox"/>	-	vol-02cfad0a2b114ee7b	gp3	9 GiB	3000	125	-	2024/03/31

Summary for all volumes in this Region

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