

Virtual Machine with Debian OS

Instance Creation:

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

aws Search [Alt+S]

EC2 > Instances > Launch an instance

Name and tags Info

Name: AWSserver [Add additional tags](#)

Application and OS Images (Amazon Machine Image) Info

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

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

Recents Quick Start

macOS Ubuntu Windows Red Hat SUSE Linux Debian

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

Summary

Number of instances Info: 1

Software Image (AMI): Debian 12 (20240717-1811)
ami-03c68e52484d7488f

Virtual server type (instance type): t2.micro

Firewall (security group): New security group

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

Cancel Launch instance Preview code

Amazon Machine Image (AMI)

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

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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-2' with the following rules:

☒ Allow SSH traffic from
Helps you connect to your instance My IP 103.5.78.10/32

☐ Allow HTTPS traffic from the internet
To set up an endpoint, for example when creating a web server

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To set up an endpoint, for example when creating a web server

Configure storage Info Advanced

1x 8 GiB gp3 Root volume 3000 IOPS (Not encrypted)

Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage

Add new volume

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EC2 > Instances > Launch an instance

Success
Successfully initiated launch of instance (i-0e75652ba0bc2c2b6)

► 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](#)
[Learn more](#)

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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Additional volume Creation

Intro x Chat x Times x Home x View x Jeeva x Intro x Chat x Jeeva x Volumes x + -

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

Search [Alt+S]

Volumes (1/2) Info

Actions Create volume

Choose filter set Search

	Name	Volume ID	Type	Size	IOPS	Throughput	Snapshot ID	Created
<input checked="" type="checkbox"/>	-	vol-087cb5e3c8c19459a	gp2	20 GiB	100	-	-	2025/01/22 10:24
<input type="checkbox"/>	-	vol-0562cd9b7935d3023	gp3	8 GiB	3000	125	snap-07c2f7e...	2025/01/22 10:58

Volume ID: vol-087cb5e3c8c19459a

Details Status checks Monitoring Tags

Volume ID vol-087cb5e3c8c19459a	Size 20 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 Wed Jan 22 2025 10:24:56	Multi-Attach enabled No

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Browser tabs: Intro, Chat, Times, Home, View, Jeeva, Intro, Chat, Jeeva, Attach. Address bar: ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#AttachVolume:volumeId=vol-087cb5e3c8c19459a. AWS console header: Search, [Alt+S], Asia Pacific (Mumbai), Jeevadharsini.

Navigation: EC2 > Volumes > vol-087cb5e3c8c19459a > Attach volume.

Basic details

Volume ID
vol-087cb5e3c8c19459a

Availability Zone
ap-south-1b

Instance [Info](#)
i-0e75652ba0bc2c2b6 (AWSserver) (running)

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

Device name [Info](#)
/dev/sdb

Recommended device names for Linux: /dev/xvda for root volume, /dev/sd[f-p] for data volumes.

ⓘ Newer Linux kernels may rename your devices to /dev/xvdf through /dev/xvdp internally, even when the device name entered here (and shown in the details) is /dev/sdf through /dev/sdp.

[Cancel](#) [Attach volume](#)

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Attach volume to instance

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Lifecycle Manager

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Successfully attached volume vol-087cb5e3c8c19459a to instance i-0e75652ba0bc2c2b6.

Volumes (2) [Info](#)

[Actions](#) [Create volume](#)

Saved filter sets: Choose filter set Search

<input type="checkbox"/>	Name	Volume ID	Type	Size	IOPS	Throughput	Snapshot ID	Created
<input type="checkbox"/>	-	vol-087cb5e3c8c19459a	gp2	20 GiB	100	-	-	2025/01/22 10:24
<input type="checkbox"/>	-	vol-0562cd9b7935d3023	gp3	8 GiB	3000	125	snap-07c2f7e...	2025/01/22 10:58

Fault tolerance for all volumes in this Region

Snapshot summary

Recently backed up volumes / Total # volumes
0 / 2

Last updated on Wed, Jan 22, 2025, 10:58:19 AM (GMT+05:30)

Data Lifecycle Manager default policy for EBS Snapshots status
No default policy set up | [Create policy](#)

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

Search [Alt+S]

Asia Pacific (Mumbai) Jeevadarshini

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Instances (2) Info

Last updated less than a minute ago

Connect

Instance state

Actions

Launch instances

Find Instance by attribute or tag (case-sensitive)

All states

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
<input type="checkbox"/>	AWSserver	i-0e75652ba0bc2c2b6	Running	t2.micro	Initializing	View alarms +	ap-south-1b

Select an instance

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