

Creation of Debian Instance Demo Server in EC2

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

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EC2 > Instances > Launch an instance

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

Demo Server

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

Quick Start

Amazon Linux

macOS

Ubuntu

Windows

Red Hat

SUSE Linux

Debian

Amazon Machine Image (AMI)

Debian 12 (HVM), SSD Volume Type
ami-05c8be52484d7488f (64-bit (x86)) / ami-064fa6488b8559575 (64-bit (Arm))
Virtualization: hyperv - PBI, xen/amd64, xen - Root, dmidecode, bios, etc

Free tier eligible

Summary

Number of instances Info

1

Software Image (AMI)

Debian 12 (20240717-1811)
ami-05c8be52484d7488f

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 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 I/Os, 1 GiB of snapshots, and 100 GB of bandwidth to the internet.

Cancel

Launch instance

Preview code

CloudShell Feedback

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EC2 > Instances > Launch an instance

Key pair (optional) 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

Proceed without a key pair (Not recommended)

Default value

Create new key pair

Network settings Info

Network Info

vpc-0dd5f778e51f08d60

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-1' 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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Success
Successfully initiated launch of instance (i-0b6f8dac776aa8fc9)

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](#)

Manage detailed monitoring
Enable or disable detailed monitoring for the instance. If you enable detailed monitoring, the Amazon EC2 console displays monitoring graphs with a 1-minute period.
[Create detailed monitoring](#)

Create Load Balancer
Create an application, network gateway or classic Elastic Load Balancer
[Create Load Balancer](#)

Create AWS budget
AWS Budgets allows you to create budgets, forecast spend, and take action on your costs and usage from a single location.
[Create AWS budget](#)

Manage CloudWatch alarms
Create or update Amazon CloudWatch alarms for the instance.
[Manage CloudWatch alarms](#)

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

Instances (1) 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 IPv4 DNS	Public
<input type="checkbox"/>	Demo Server	i-0b6f8dac776aa8fc9	Running	t2.micro	2/2 checks passed	View alarms +	ap-south-1b	ec2-13-203-101-188.ap...	13:20

Select an instance

Dashboard
EC2 Global View
Events

Instances
Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations

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AMIs
AMI Catalog

Elastic Block Store
Volumes
Snapshots
Lifecycle Manager

Network & Security
Security Groups
Elastic IPs

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

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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

Network & Security

Security Groups Elastic IPs

Successfully created volume vol-0d07364283737e751.

Volumes (1)

Save filter sets Choose filter set Search

	Name	Volume ID	Type	Size	IOPS	Throughput	Snapshot ID	Created	Availability Zone
<input type="checkbox"/>	-	vol-08b24e9edbf96c1	gp3	8 GiB	3000	125	snap-07c2f7e...	2025/01/22 10:47 GMT+5:...	ap-south-1b

Fault tolerance for all volumes in this Region

Snapshot summary

Recently backed up volumes / Total # volumes

0 / 1

Data Lifecycle Manager default policy for EBS Snapshots status

No default policy set up | Create policy

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Full Stack Develop... ChatGPT Learn to become... GDB online Debug... AWS Database cat... Attach volume | EC2 | ap... + -

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#AttachVolume:volumeId=vol-0d07364283737e751

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EC2 > Volumes > vol-0d07364283737e751 > Attach volume

Attach volume

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

Basic details

Volume ID

vol-0d07364283737e751

Availability Zone

ap-south-1b

Instance

i-0b6f8dac776aa8fc9 (Demo Server) (running)

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

Device name

/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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Successfully created volume vol-0d07364283737e751.

Volumes (2)

Info

Actions

Create volume

Save filter sets

Choose filter set

Search

	Name	Volume ID	Type	Size	IOPS	Throughput	Snapshot ID	Created	Availability Zone
<input type="checkbox"/>	-	vol-0d07364283737e751	gp2	20 GiB	100	-	-	2025/01/22 10:48 GMT+5:...	ap-south-1b
<input type="checkbox"/>	-	vol-08b24e9edbf96c1	gp3	8 GiB	3000	125	snap-07c2f7e...	2025/01/22 10:47 GMT+5:...	ap-south-1b

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