

[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

Server-instance

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

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Recents

Quick Start

Amazon Linux

macOS

Ubuntu

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Red Hat

SUSE Li

🔍

Browse more AMIs

▼ Summary

Number of instances Info

1

Software Image (AMI)

Canonical, Ubuntu, 24.04, amd6...[read more](#)
ami-0522ab6e1ddcc7055

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 storage per month.

✕

Cancel

Launch instance

[Review commands](#)

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

RecentsQuick Start

Amazon Linux

macOS

Ubuntu

Windows

Red Hat

SUSE Li

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-0522ab6e1ddcc7055

ubuntu

Verified provider

Instance typeInfo | Get advice

Summary

Number of instancesInfo

1

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 IOs, 1 GB of snapshots, and 100 GB of bandwidth to the internet.

Cancel

Launch instance

Review commands

▼ Instance type Info | Get advice

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 - *required*

[Create new key pair](#)

▼ Network settings Info

Edit

Network Info

vpc-06f1309f359462a54

▼ Summary

Number of instances Info

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 IOs, 1 GB of snapshots, and 100 GB of bandwidth to the internet.

Cancel

Launch instance

[Review commands](#)

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-4' with the following rules:

☒ Allow SSH traffic from

Helps you connect to your instance

Anywhere

0.0.0.0/0

☐ Allow HTTPS traffic from the internet

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

☒ Allow HTTP traffic from the internet

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

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.

Configure storage Info

Advanced

1x

8

GiB

gp3

Root volume (Not encrypted)

Add new volume

The selected AMI contains more instance store volumes than the instance allows. Only the first 0 instance store

Summary

Number of instances Info

1

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 IOs, 1 GB of snapshots, and 100 GB of bandwidth to the internet.

Cancel

Launch instance

Review commands

```
143 updates can be applied immediately.
41 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

Last login: Mon Sep 23 10:16:02 2024 from 13.233.177.3
ubuntu@ip-172-31-8-219:~$ sudo -i
root@ip-172-31-8-219:~# nginx -t
nginx: the configuration file /etc/nginx/nginx.conf syntax is ok
nginx: configuration file /etc/nginx/nginx.conf test is successful
root@ip-172-31-8-219:~# history
 1 apt-get update
 2 apt-get install nginx
 3 nginx -t
 4 apt-get install nginx
 5 nginx -y
 6 nginx -t
 7 cd /
 8 cd var/www/html
 9 ls
10 cat index.nginx-debian.html
11 vi
12 vi index.nginx-debian.html
13 cat index.nginx-debian.html
14 nginx -t
15 history
root@ip-172-31-8-219:~#
```

i-0738dd27e3745e1bb (Server-instance)

PublicIPs: 13.233.158.10 PrivateIPs: 172.31.8.219

```
14 nginx -t
15 history
root@ip-172-31-8-219:~# echo "my self kartik pawar"> kartik.html
root@ip-172-31-8-219:~# ls
kartik.html  snap
root@ip-172-31-8-219:~# cat kartik
cat: kartik: No such file or directory
root@ip-172-31-8-219:~# cat kartik.html
my self kartik pawar
root@ip-172-31-8-219:~# history
1 apt-get update
2 apt-get install nginx
3 nginx -t
4 apt-get install nginx
5 nginx -y
6 nginx -t
7 cd /
8 cd var/www/html
9 ls
10 cat index.nginx-debian.html
11 vi
12 vi index.nginx-debian.html
13 cat index.nginx-debian.html
14 nginx -t
15 history
16 echo "my self kartik pawar"> kartik.html
17 ls
18 cat kartik
19 cat kartik.html
20 history
root@ip-172-31-8-219:~#
```

i-0738dd27e3745e1bb (Server-instance)

PublicIPs: 13.233.158.10 PrivateIPs: 172.31.8.219

- EC2 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

Amazon Machine Images (AMIs) (1/1) Info

🔄

🗑️ Recycle Bin

🔗 EC2 Image Builder

Actions

Launch instance from AMI

Owned by me

🔍 Find AMI by attribute or tag

<input checked="" type="checkbox"/>	Name	AMI name	AMI ID	Source	Owner	Visibili
<input checked="" type="checkbox"/>		server-image	ami-03eec6b332be2192d	025066269349/server-image	025066269349	Private

AMI ID: ami-03eec6b332be2192d

DetailsPermissionsStorageTags

AMI ID

ami-03eec6b332be2192d

Image type

machine

Platform details

Linux/UNIX

Root device type

EBS

AMI name

server-image

Owner account ID

025066269349

Architecture

x86_64

Usage operation

RunInstances

Root device name

/dev/sda1

Status

Pending

Source

025066269349/server-image

Virtualization type

hvm

Boot mode

uefi-preferred

State reason

-

Creation date

Mon Sep 23 2024 16:05:40 GMT+0530 (India)

Kernel ID

-

Launch an instance Info

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Name and tags Info

Name

server2-instance

Add additional tags

▼ Application and OS Images (Amazon Machine Image) Info

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

- AMI from catalog
- Recents
- My AMIs**
- Quick Start

☒ Owned by me

☐ Shared with me

🔍

Browse more AMIs

▼ Summary

Number of instances Info

1

Software Image (AMI)

server-image
ami-03eec6b332be2192d

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 Standard IO storage per month.

Cancel

Launch instance

[Review commands](#)



Services

Search

[Alt+S]



Mumbai ▼

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Browse more AMIs

Including AMIs from
AWS, Marketplace and
the Community

Amazon Machine Image (AMI)

server-image

ami-03eec6b332be2192d

2024-09-23T10:35:40.000Z Virtualization: hvm ENA enabled: true Root device type: ebs

Description

-

Architecture

x86_64

AMI ID

ami-03eec6b332be2192d

▼ Instance type

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

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](#)

▼ Summary

Number of instances [Info](#)

Software Image (AMI)

server-image
ami-03eec6b332be2192d

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

✕

Cancel

Launch instance

[Review commands](#)



Services

🔍 Search

[Alt+S]



Mumbai ▼

kartikpawar ▼



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

kartik-key ▼

🔄 Create new key pair

▼ Network settings Info

Edit

Network Info

vpc-06f1309f359462a54

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

▼ Summary

Number of instances Info

1

Software Image (AMI)

server-image
ami-03eec6b332be2192d

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 Standard IO storage per month.

Cancel

Launch instance

Review commands

aws

Services

🔍 Search

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📧

🔔

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☰

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-6' with the following rules:

☒ Allow SSH traffic from

Helps you connect to your instance

Anywhere
0.0.0.0/0

☒ Allow HTTPS traffic from the internet

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

☒ Allow HTTP traffic from the internet

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

⚠️ 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.

▼ Configure storage | Info

Advanced

1x

8

GiB

gp3

Root volume (Not encrypted)

Add new volume

The selected AMI contains more instance store volumes than the instance allows. Only the first 0 instance store volumes from the AMI will be accessible from the instance

🕒 Click refresh to view backup information

↺

▼ Summary

Number of instances | Info

1

Software Image (AMI)

server-image
ami-03eec6b332be2192d

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, 750 GiB of Amazon S3 Standard storage in the Region in which the instance is running.

Cancel

Launch instance

Review commands

CloudShell

Feedback

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```
Memory usage: 4%      IPv4 address for eth0: 10.10.10.2
Swap usage: 0%

Expanded Security Maintenance for Applications is not enabled.
0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

The list of available updates is more than a week old.
To check for new updates run: sudo apt update

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.


To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ubuntu@ip-172-31-7-198:~$
Broadcast message from root@ip-172-31-7-198 (Mon 2024-09-23 10:44:13 UTC):

The system will power off now!
```

i-02cf68e6ac60559ac (Server2-instance)
PublicIPs: 13.232.79.120 PrivateIPs: 172.31.7.198

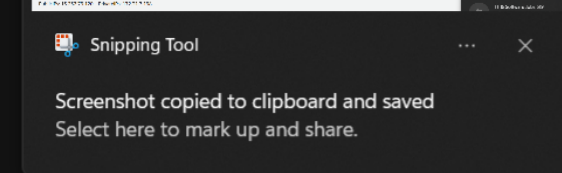
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2024:

Job Role: Trainee

Thank you for using nginx.



Wellcome kartik

kartik pawar

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to nginx.org.
Commercial support is available at nginx.com.

Thank you for using nginx.

Wellcome kartik

kartik pawar

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