

[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

Database

[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

Recents

[Quick Start](#)Amazon  
Linux[Browse more AMIs](#)

Including AMIs from  
AWS, Marketplace and  
the Community

## ▼ Summary

Number of instances

[Info](#)

1

Software Image  
(AMI)Canonical, Ubuntu,  
22.04 LTS, ...[read more](#)ami-  
007855ac798b5175eVirtual server type  
(instance type)

t2.micro

[Firewall \(security group\)](#)

New security group

[Storage \(volumes\)](#)

1 volume(s) - 8 GiB

Free  
tier:C  
a  
n  
c  
e  
lLau  
nch  
inst  
anc  
e[Review commands](#)

## Amazon Machine Image (AMI)

Ubuntu Server 22.04 LTS (HVM), SSD ...

Free tier eligible

ami-007855ac798b5175e (64-bit (x86)) / a... ▼

Virtualization: hvm ENA enabled: true

Root device type: ebs

## Description

Canonical, Ubuntu, 22.04 LTS, amd64 jammy  
image build on 2023-03-25

Architect  
ure

AMI ID

ami-

007855ac79

8b5175e

Verified  
provide  
r▼ Instance type [Info](#)

Instance type

☒ All generations

t2.micro

Free tier eligible

Family: t2 1 vCPU 1 GiB Memory

On-Demand Windows pricing: 0.0162 USD per Hour ▼

On-Demand SUSE pricing: 0.0116 USD per Hour

On-Demand RHEL pricing: 0.0716 USD per Hour

On-Demand Linux pricing: 0.0116 USD per Hour

C  
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## ▼ 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*

Josuel-2 ▼

[Create  
new key  
pair](#)

## ▼ Network settings [Info](#)

Edit

Network [Info](#)

vpc-03f8cd86b4ba48cf0

Subnet [Info](#)

No preference (Default subnet in any availability zone)

Auto-assign public IP [Info](#)

Enable

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-17' with the following rules:

☒ Allow SSH traffic from  
Helps you connect to your instance


Anyw...  
0.0.0.0/0 ▼

☐ 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


 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   GiB

▼ Root volume

(Not encrypted)

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



[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

0 x File systems

[Edit](#)

## ▼ Advanced details [Info](#)



Purchasing option [Info](#)

☐ Request Spot Instances

Request Spot Instances at the Spot price, capped at the On-Demand price



Domain join directory [Info](#)

Select ▼

 [Create new directory](#) 

IAM instance profile [Info](#)

Select ▼

Create new IAM profile  

Hostname type [Info](#)

IP name ▼

DNS Hostname [Info](#)

☒ Enable IP name IPv4 (A record) DNS requests

☒ Enable resource-based IPv4 (A record) DNS requests

☐ Enable resource-based IPv6 (AAAA record) DNS requests

Instance auto-recovery [Info](#)

Select ▼

Shutdown behavior [Info](#)

Stop ▼

Stop - Hibernate behavior [Info](#)

Select ▼

Termination protection [Info](#)

Select ▼

Stop protection [Info](#)

Select ▼

Detailed CloudWatch monitoring [Info](#)

Select ▼

Elastic GPU [Info](#)

Select ▼



Elastic inference [Info](#)☐ Add Elastic Inference acceleratorsCredit specification [Info](#)

Select ▼

Placement group [Info](#)

Select ▼

Create  
new  
placement  
group

EBS-optimized instance [Info](#)

Disable ▼

Capacity reservation [Info](#)

Select ▼

Tenancy [Info](#)

Select ▼

RAM disk ID [Info](#)

Select ▼

Kernel ID [Info](#)

Select ▼

Nitro Enclave [Info](#)

Select ▼

Nitro Enclaves are not compatible with instance types that have less than 2 vCPUs.

License configurations [Info](#)

Select ▼



☐ Specify CPU options  
The selected instance type does not support CPU options.

Metadata accessible [Info](#)

Select ▼

Metadata version [Info](#)

Select ▼

Metadata response hop limit [Info](#)

Select



Allow tags in metadata [Info](#)

Select ▼

User data - optional [Info](#)

Enter user data in the field.

```
#cloud-config
users: # Collection von Benutzern
  - name: ubuntu # Der
    Benutzernamen des ersten Benutzers
    sudo: ALL=(ALL) NOPASSWD:ALL
# sudo-Regeln für diesen Benutzer
  groups: users, admin # Gruppen
    definieren
    home: /home/ubuntu # Ort von
    home bestimmen
    shell: /bin/bash # Ort von shell
    bestimmen
  ssh_authorized_keys:
    - ssh-rsa
    AAAAB3NzaC1yc2EAAAADAQABAA
```

☐ User data has already been base64 encoded