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

| Website |

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*

Recents   **Quick Start**

Amazon Linux

aws

🔍 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-007855ac798b5175e

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 8 GiB

ⓘ Free tier: ✕

Cancel

Launch instance

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

Compare instance types

▼ **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

▼ **Key pair (login)** Info

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

☐ 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

[gp2   ▼]   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
                                             director
                                             y ↗

IAM instance profile Info

[Select   ▼]   Create

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 accelerators

Credit 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
Benutzername 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
```