Configuración AWS

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

Camilo   Add additional tags

▼ Application and OS Images (Amazon Machine Image) Info

An AMI contains the operating system, application server, and applications for your instance. If you don't see a suitable AMI below, use the search field or choose Browse more AMIs.

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

Quick Start

Amazon Linux	macOS	Ubuntu	Windows	Red Hat	SUSE Linux	Debian
aws	Mac	ubuntu	Microsoft	Red Hat	SUSE	debian

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

Amazon Machine Image (AMI)

Ubuntu Server 24.04 LTS (HVM), SSD Volume Type   Free tier eligible
ami-0360c520857e3138f (64-bit (x86)) / ami-026fccd88446aa0bf (64-bit (Arm))
Virtualization: hvm   ENA enabled: true   Root device type: ebs

Description

Ubuntu Server 24.04 LTS (HVM),EBS General Purpose (SSD) Volume Type. Support available from Canonical (http://www.ubuntu.com/cloud/services).

Canonical, Ubuntu, 24.04, amd64 noble image

▼ Summary

Number of instances Info

1

Software Image (AMI)
Canonical, Ubuntu, 24.04, amd6...read more
ami-0360c520857e3138f

Virtual server type (instance type)
t3.micro

Firewall (security group)
New security group

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

Cancel   Launch instance

Preview code

▼ Instance type Info | Get advice

Instance type

t3.micro   Free tier eligible
Family: t3   2 vCPU   1 GiB Memory   Current generation: true
On-Demand Ubuntu Pro base pricing: 0.0139 USD per Hour   On-Demand SUSE base pricing: 0.0104 USD per Hour
On-Demand Linux base pricing: 0.0104 USD per Hour   On-Demand RHEL base pricing: 0.0392 USD per Hour
On-Demand Windows base pricing: 0.0196 USD per Hour

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

vockey   Create new key pair

▼ Network settings Info   Edit

Network | Info

vpc-02a2501d99b00fede

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-1**' 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
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⚠ 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, 3000 IOPS, Not encrypted

(Add new volume)

The selected AMI contains instance store volumes, however the instance does not allow any instance store volumes. None of the instance store volumes from the AMI will be accessible from the instance

🕒 Click refresh to view backup information   ↻
The tags that you assign determine whether the instance will be backed up by any Data Lifecycle Manager policies.

0 x File systems   Edit

▶ **Advanced details** Info

▼ Summary

Number of instances | Info

| 1 |

Software Image (AMI)
Canonical, Ubuntu, 24.04, amd6...**read more**
ami-0360c520857e3138f

Virtual server type (instance type)
t3.micro

Firewall (security group)
New security group

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

Cancel   **Launch instance**
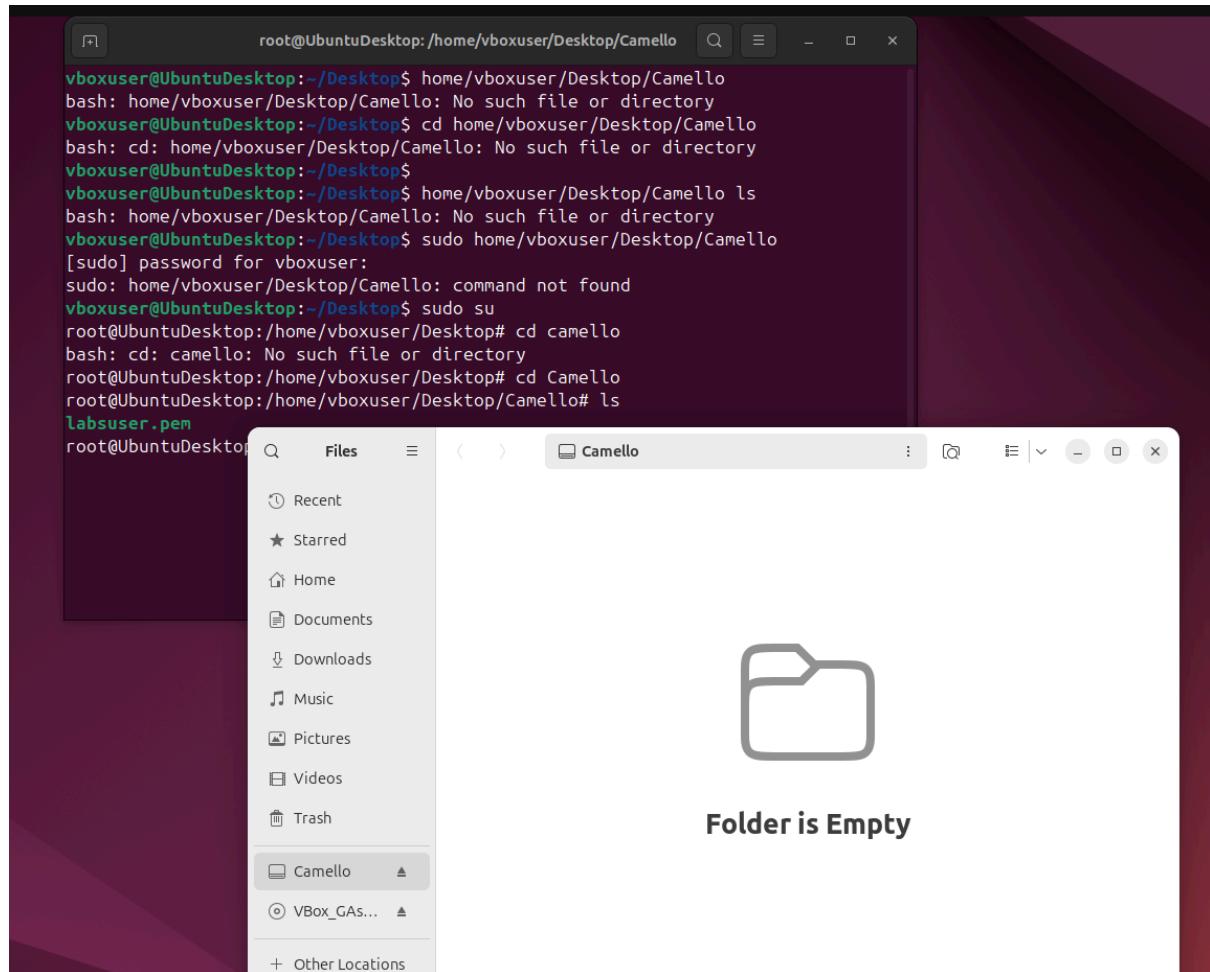
                                                🖥 **Preview code**

Inbound rules Info

Security group rule ID	Type	Protocol Info	Port range Info	Source Info		Description - optional Info	
sgr-093843795be991787	SSH ▼	TCP	22	Custom ▼	🔍		Delete
					0.0.0.0/0 ✕		
-	Custom TCP ▼	TCP	8080	Anywhe... ▼	🔍		Delete
					0.0.0.0/0 ✕		
-	Custom TCP ▼	TCP	8081	Anywhe... ▼	🔍		Delete
					0.0.0.0/0 ✕		
-	Custom TCP ▼	TCP	8082	Anywhe... ▼	🔍		Delete
					0.0.0.0/0 ✕		
-	Custom TCP ▼	TCP	8443	Anywhe... ▼	🔍		Delete
					0.0.0.0/0 ✕		

Add rule

⊘ **Success**
Successfully initiated launch of instance (i-0210c9b4b34a72b13)

Carpeta Compartida
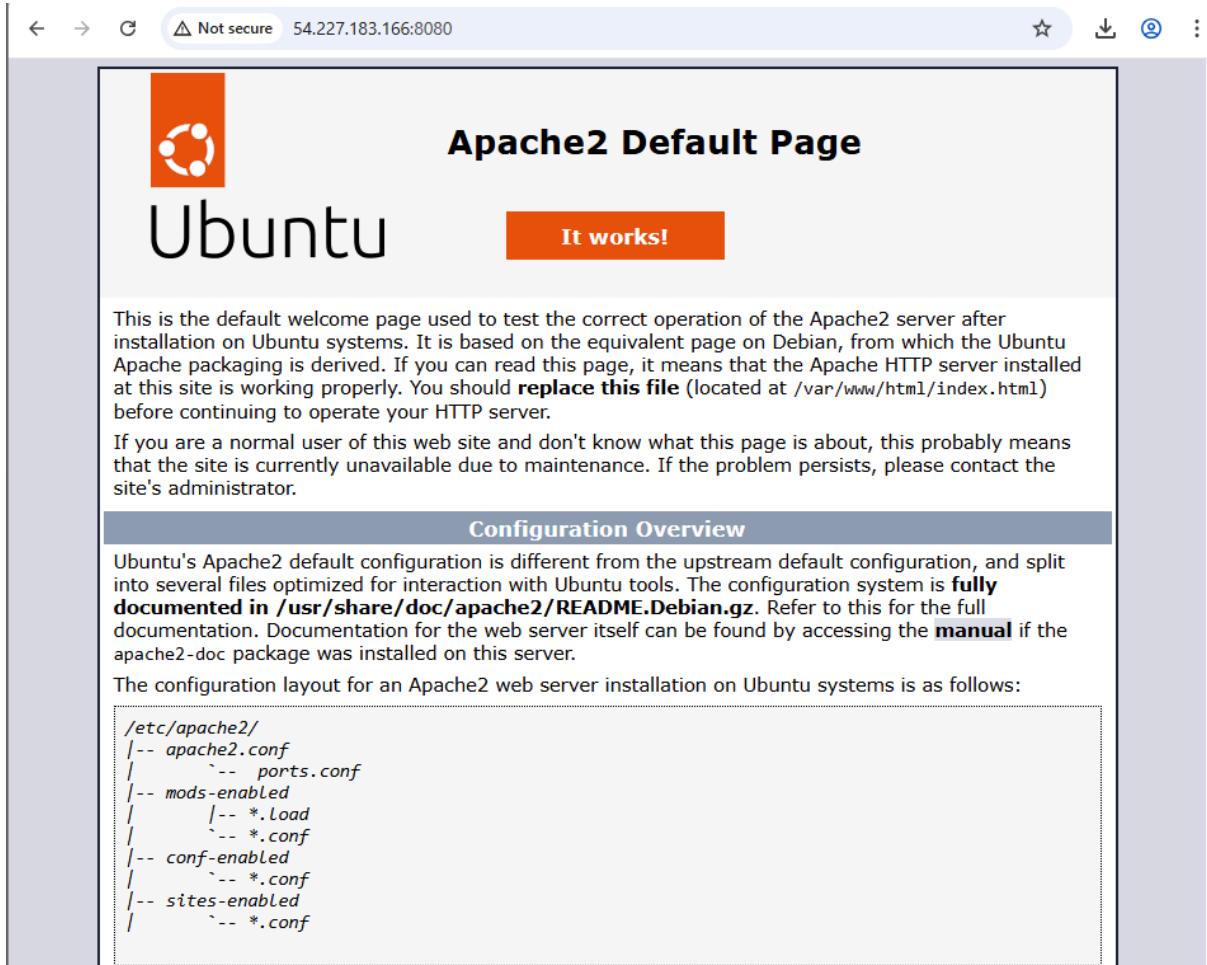
Conexión ssh

```
@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@
@        WARNING: UNPROTECTED PRIVATE KEY FILE!          @
@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@
Permissions 0770 for '/root/.ssh/labsuser.pem' are too open.
It is required that your private key files are NOT accessible by others.
This private key will be ignored.
Load key "/root/.ssh/labsuser.pem": bad permissions
ubuntu@54.227.183.166: Permission denied (publickey).
root@UbuntuDesktop:~# cd ~/.ssh
root@UbuntuDesktop:~/.ssh# chmod 600 labsuser.pem
root@UbuntuDesktop:~/.ssh# ssh -i ~/.ssh/labsuser.pem ubuntu@54.227.183.166
Welcome to Ubuntu 24.04.3 LTS (GNU/Linux 6.14.0-1011-aws x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:     https://landscape.canonical.com
 * Support:        https://ubuntu.com/pro

 System information as of Fri Nov  7 08:51:51 UTC 2025

  System load:  0.61              Temperature:            -273.1 C
  Usage of /:   33.6% of 6.71GB   Processes:              126
  Memory usage: 39%               Users logged in:        0
  Swap usage:   0%                IPv4 address for ens5: 172.31.22.63


Expanded Security Maintenance for Applications is not enabled.

49 updates can be applied immediately.
20 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: Fri Oct 31 09:34:12 2025 from 18.206.107.27
ubuntu@ip-172-31-22-63:~$
```

1. Comprobación Apache2

```
ubuntu@ip-172-31-22-63:~$ sudo systemctl status apache2
● apache2.service - The Apache HTTP Server
     Loaded: loaded (/usr/lib/systemd/system/apache2.service; enabled; preset: enabled)
     Active: active (running) since Fri 2025-11-07 08:58:08 UTC; 12s ago
       Docs: https://httpd.apache.org/docs/2.4/
    Process: 27157 ExecStart=/usr/sbin/apachectl start (code=exited, status=0/SUCCESS)
   Main PID: 27160 (apache2)
      Tasks: 6 (limit: 1017)
     Memory: 10.6M (peak: 11.1M)
        CPU: 53ms
     CGroup: /system.slice/apache2.service
             ├─27160 /usr/sbin/apache2 -k start
             ├─27162 /usr/sbin/apache2 -k start
             ├─27163 /usr/sbin/apache2 -k start
             ├─27164 /usr/sbin/apache2 -k start
             ├─27165 /usr/sbin/apache2 -k start
             └─27166 /usr/sbin/apache2 -k start

Nov 07 08:58:08 ip-172-31-22-63 systemd[1]: Starting apache2.service - The Apache HTTP>
Nov 07 08:58:08 ip-172-31-22-63 systemd[1]: Started apache2.service - The Apache HTTP >
lines 1-19/19 (END)
```

← → C ⚠ Not secure 54.227.183.166:8080 ☆ ↓ ⊙ ⋮

Apache2 Default Page

It works!

This is the default welcome page used to test the correct operation of the Apache2 server after installation on Ubuntu systems. It is based on the equivalent page on Debian, from which the Ubuntu Apache packaging is derived. If you can read this page, it means that the Apache HTTP server installed at this site is working properly. You should **replace this file** (located at /var/www/html/index.html) before continuing to operate your HTTP server.

If you are a normal user of this web site and don't know what this page is about, this probably means that the site is currently unavailable due to maintenance. If the problem persists, please contact the site's administrator.

Configuration Overview

Ubuntu's Apache2 default configuration is different from the upstream default configuration, and split into several files optimized for interaction with Ubuntu tools. The configuration system is **fully documented in /usr/share/doc/apache2/README.Debian.gz**. Refer to this for the full documentation. Documentation for the web server itself can be found by accessing the **manual** if the apache2-doc package was installed on this server.

The configuration layout for an Apache2 web server installation on Ubuntu systems is as follows:

```
/etc/apache2/
|-- apache2.conf
|       `--  ports.conf
|-- mods-enabled
|       |-- *.load
|       `-- *.conf
|-- conf-enabled
|       `-- *.conf
|-- sites-enabled
|       `-- *.conf
```

2. Comprobación Nginx


```
ubuntu@ip-172-31-22-63:~$ sudo systemctl status nginx
● nginx.service - A high performance web server and a reverse proxy server
     Loaded: loaded (/usr/lib/systemd/system/nginx.service; enabled; preset: enabled)
     Active: active (running) since Fri 2025-11-07 09:05:53 UTC; 11s ago
       Docs: man:nginx(8)
    Process: 27531 ExecStartPre=/usr/sbin/nginx -t -q -g daemon on; master_process on;>
    Process: 27535 ExecStart=/usr/sbin/nginx -g daemon on; master_process on; (code=ex>
   Main PID: 27536 (nginx)
      Tasks: 3 (limit: 1017)
     Memory: 2.4M (peak: 2.5M)
        CPU: 18ms
     CGroup: /system.slice/nginx.service
             ├─27536 "nginx: master process /usr/sbin/nginx -g daemon on; master_proce>
             ├─27537 "nginx: worker process"
             └─27538 "nginx: worker process"

Nov 07 09:05:53 ip-172-31-22-63 systemd[1]: Starting nginx.service - A high performanc>
Nov 07 09:05:53 ip-172-31-22-63 systemd[1]: Started nginx.service - A high performance>
lines 1-17/17 (END)
```

3. Comprobación Caddy

```
● caddy.service - Caddy
     Loaded: loaded (/usr/lib/systemd/system/caddy.service; enabled; preset: enabled)
     Active: active (running) since Fri 2025-11-07 09:17:28 UTC; 10s ago
       Docs: https://caddyserver.com/docs/
   Main PID: 28490 (caddy)
      Tasks: 8 (limit: 1017)
     Memory: 11.3M (peak: 11.7M)
        CPU: 87ms
     CGroup: /system.slice/caddy.service
             └─28490 /usr/bin/caddy run --environ --config /etc/caddy/Caddyfile

Nov 07 09:17:28 ip-172-31-22-63 caddy[28490]: {"level":"info","ts":1762507048.9866946,>
Nov 07 09:17:28 ip-172-31-22-63 caddy[28490]: {"level":"warn","ts":1762507048.986958,">
Nov 07 09:17:28 ip-172-31-22-63 caddy[28490]: {"level":"warn","ts":1762507048.986972,">
Nov 07 09:17:28 ip-172-31-22-63 caddy[28490]: {"level":"info","ts":1762507048.9869754,>
Nov 07 09:17:28 ip-172-31-22-63 caddy[28490]: {"level":"info","ts":1762507048.9870756,>
Nov 07 09:17:28 ip-172-31-22-63 caddy[28490]: {"level":"info","ts":1762507048.9871264,>
Nov 07 09:17:28 ip-172-31-22-63 caddy[28490]: {"level":"info","ts":1762507048.9871664,>
Nov 07 09:17:28 ip-172-31-22-63 systemd[1]: Started caddy.service - Caddy.
Nov 07 09:17:28 ip-172-31-22-63 caddy[28490]: {"level":"info","ts":1762507048.9914947,>
Nov 07 09:17:28 ip-172-31-22-63 caddy[28490]: {"level":"info","ts":1762507048.9949417,>
lines 1-21/21 (END)
```

4. Comprobación de puertos

```
ubuntu@ip-172-31-22-63:~$ sudo netstat -tulpn | grep -E '8080|8081|8082|8443'
tcp        0      0 0.0.0.0:8081            0.0.0.0:*               LISTEN      27536/nginx: master
tcp6       0      0 :::8082                 :::*                    LISTEN      28490/caddy
tcp6       0      0 :::8080                 :::*                    LISTEN      28931/apache2
tcp6       0      0 :::8443                 :::*                    LISTEN      28931/apache2
```

```
ubuntu@ip-172-31-22-63:~$ sudo systemctl status apache2
● apache2.service - The Apache HTTP Server
     Loaded: loaded (/usr/lib/systemd/system/apache2.service; enabled; preset: enabled)
     Active: active (running) since Fri 2025-11-07 09:27:21 UTC; 3min 8s ago
```

```
ubuntu@ip-172-31-22-63:~$ sudo systemctl status nginx
● nginx.service - A high performance web server and a reverse proxy server
     Loaded: loaded (/usr/lib/systemd/system/nginx.service; enabled; preset: enabled)
     Active: active (running) since Fri 2025-11-07 09:05:53 UTC; 25min ago
```

```
ubuntu@ip-172-31-22-63:~$ sudo systemctl status caddy
● caddy.service - Caddy
     Loaded: loaded (/usr/lib/systemd/system/caddy.service; enabled; preset: enabled)
     Active: active (running) since Fri 2025-11-07 09:17:28 UTC; 13min ago
```