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

2211cs010547-Linux-web

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

Recents | My AMIs | Quick Start

Amazon Linux | macOS | Ubuntu | Windows | Red Hat | SUSE

Browse more AMIs

Including AMIs from AWS, Marketplace and the Community

Amazon Machine Image (AMI)

Amazon Linux 2 AMI (HVM) - Kernel 5.10, SSD Volume Type — Free tier eligible

ami-04aa00acb1165b32a (64-bit (x86)) / ami-0a90799d0400252c7 (64-bit (Arm))

Virtualization: hvm ENA enabled: true Root device type: ebs

Instance type Info | Get advice

Instance type

t2.micro — Free tier eligible

Family: t2 1 vCPU 1 GiB Memory Current generation: true

On-Demand Windows base pricing: 0.0162 USD per Hour

On-Demand Ubuntu Pro base pricing: 0.0134 USD per Hour

On-Demand SUSE base pricing: 0.0116 USD per Hour

On-Demand RHEL base pricing: 0.026 USD per Hour

On-Demand Linux base pricing: 0.0116 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*

Select

Create new key pair

Network settings Info

VPC - *required* Info

vpc-0ecfc1ace11d69281 (default)

172.31.0.0/16

Subnet Info

No preference

Create new subnet

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

Security group name - *required*

launch-wizard-6

This security group will be added to all network interfaces. The name can't be edited after the security group is created. Max length is 255 characters. Valid characters: a-z, A-Z, 0-9, spaces, and ._-:/()#,@[]+=&;{}!$*

Description - *required* Info

launch-wizard-6 created 2025-03-18T15:07:20.534Z

Inbound Security Group Rules

Security group rule 1 (TCP, 22, 0.0.0.0/0) — Remove

Type	Protocol	Port range	Source type	Source	Description - optional
ssh	TCP	22	Anywhere	Add CIDR, prefix list or security g	e.g. SSH for admin desktop

Type	Protocol	Port range	Source type	Source	Description - optional
HTTP	TCP	80	Anywhere	Add CIDR, prefix list or security g	e.g. SSH for admin desktop

0.0.0.0/0

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.

Add security group rule

Create key pair

Key pair name

Key pairs allow you to connect to your instance securely.

serverkey

The name can include up to 255 ASCII characters. It can't include leading or trailing spaces.

Key pair type

RSA — RSA encrypted private and public key pair

ED25519 — ED25519 encrypted private and public key pair

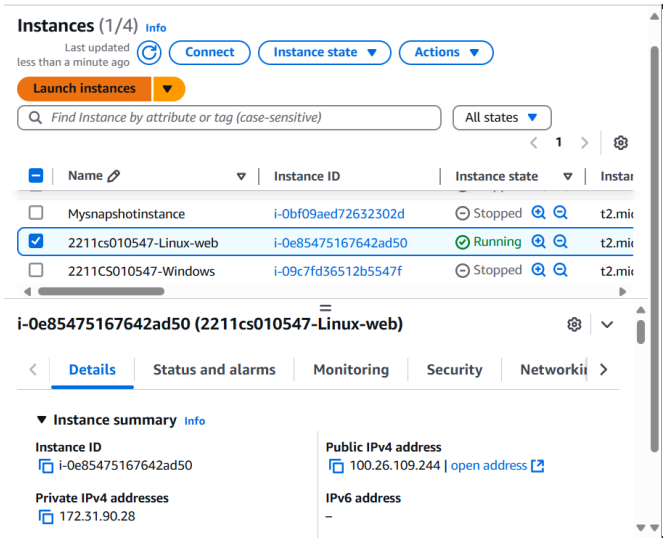
Private key file format

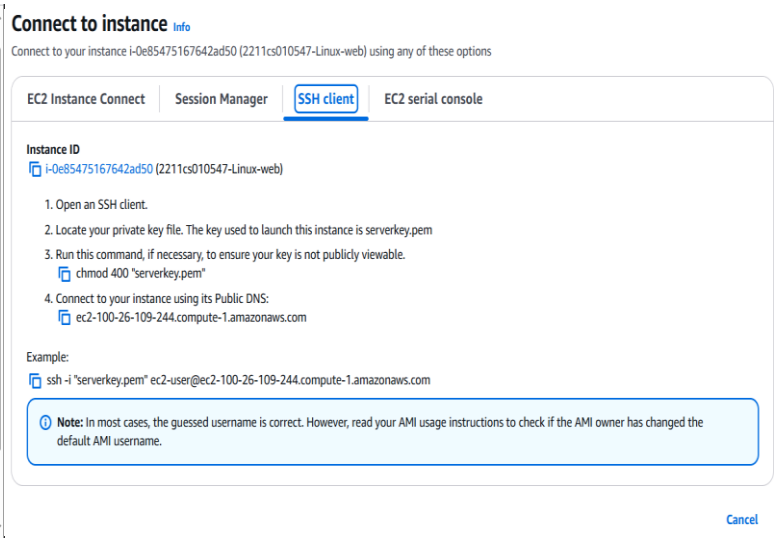
.pem — For use with OpenSSH

.ppk — For use with PuTTY

When prompted, store the private key in a secure and accessible location on your computer. **You will need it later to connect to your instance.** Learn more

Cancel | Create key pair






```
Microsoft Windows [Version 10.0.26100.3476]
(c) Microsoft Corporation. All rights reserved.

C:\Users\subha\Downloads>ssh -i "serverkey.pem" ec2-user@ec2-100-26-109-244.compute-1.amazonaws.com
The authenticity of host 'ec2-100-26-109-244.compute-1.amazonaws.com (100.26.109.244)' can't be established.
ED25519 key fingerprint is SHA256:uV5D7axt78jiZWWHWUJGLSP8Zn/sPYw/yN3VLp4xKqk.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ec2-100-26-109-244.compute-1.amazonaws.com' (ED25519) to the list of known hosts.
   ,     #_
   ~\_  ####_        Amazon Linux 2
  ~~  \_#####\
  ~~     \###|       AL2 End of Life is 2026-06-30.
  ~~       \#/ ___
   ~~       V~' '->
    ~~~         /    A newer version of Amazon Linux is available!
      ~~._.   _/
         _/ _/       Amazon Linux 2023, GA and supported until 2028-03-15.
       _/m/'           https://aws.amazon.com/linux/amazon-linux-2023/

[ec2-user@ip-172-31-90-28 ~]$ sudo su
[root@ip-172-31-90-28 ec2-user]#
```

```
   ~~       V~' '->
    ~~~         /    A newer version of Amazon Linux is available!
      ~~._.   _/
         _/ _/       Amazon Linux 2023, GA and supported until 2028-03-15.
       _/m/'           https://aws.amazon.com/linux/amazon-linux-2023/

[ec2-user@ip-172-31-90-28 ~]$ sudo su
[root@ip-172-31-90-28 ec2-user]# sudo yum install httpd
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Resolving Dependencies
--> Running transaction check
---> Package httpd.x86_64 0:2.4.62-1.amzn2.0.2 will be installed
--> Processing Dependency: httpd-filesystem = 2.4.62-1.amzn2.0.2 for package: httpd-2.4.62-1.amzn2.0.2.x86_64
--> Processing Dependency: httpd-tools = 2.4.62-1.amzn2.0.2 for package: httpd-2.4.62-1.amzn2.0.2.x86_64
--> Processing Dependency: /etc/mime.types for package: httpd-2.4.62-1.amzn2.0.2.x86_64
--> Processing Dependency: httpd-filesystem for package: httpd-2.4.62-1.amzn2.0.2.x86_64
--> Processing Dependency: mod_http2 for package: httpd-2.4.62-1.amzn2.0.2.x86_64
--> Processing Dependency: system-logos-httpd for package: httpd-2.4.62-1.amzn2.0.2.x86_64
--> Processing Dependency: libapr-1.so.0()(64bit) for package: httpd-2.4.62-1.amzn2.0.2.x86_64
--> Processing Dependency: libaprutil-1.so.0()(64bit) for package: httpd-2.4.62-1.amzn2.0.2.x86_64
--> Running transaction check
---> Package apr.x86_64 0:1.7.2-1.amzn2.0.1 will be installed
---> Package apr-util.x86_64 0:1.6.3-1.amzn2.0.1 will be installed
--> Processing Dependency: apr-util-bdb(x86-64) = 1.6.3-1.amzn2.0.1 for package: apr-util-1.6.3-1.amzn2.0.1.x86_64
---> Package generic-logos-httpd.noarch 0:18.0.0-4.amzn2 will be installed
---> Package httpd-filesystem.noarch 0:2.4.62-1.amzn2.0.2 will be installed
---> Package httpd-tools.x86_64 0:2.4.62-1.amzn2.0.2 will be installed
---> Package mailcap.noarch 0:2.1.41-2.amzn2 will be installed
---> Package mod_http2.x86_64 0:1.15.19-1.amzn2.0.2 will be installed
--> Running transaction check
```

```
---> Package mailcap.noarch 0:2.1.41-2.amzn2 will be installed
---> Package mod_http2.x86_64 0:1.15.19-1.amzn2.0.2 will be installed
--> Running transaction check
---> Package apr-util-bdb.x86_64 0:1.6.3-1.amzn2.0.1 will be installed
--> Finished Dependency Resolution

Dependencies Resolved

================================================================================================================
 Package                    Arch              Version                          Repository              Size
================================================================================================================
Installing:
 httpd                      x86_64            2.4.62-1.amzn2.0.2               amzn2-core             1.4 M
Installing for dependencies:
 apr                        x86_64            1.7.2-1.amzn2.0.1                amzn2-core             130 k
 apr-util                   x86_64            1.6.3-1.amzn2.0.1                amzn2-core             101 k
 apr-util-bdb               x86_64            1.6.3-1.amzn2.0.1                amzn2-core              22 k
 generic-logos-httpd        noarch            18.0.0-4.amzn2                   amzn2-core              19 k
 httpd-filesystem           noarch            2.4.62-1.amzn2.0.2               amzn2-core              25 k
 httpd-tools                x86_64            2.4.62-1.amzn2.0.2               amzn2-core              89 k
 mailcap                    noarch            2.1.41-2.amzn2                   amzn2-core              31 k
 mod_http2                  x86_64            1.15.19-1.amzn2.0.2              amzn2-core             149 k

Transaction Summary
================================================================================================================
Install  1 Package (+8 Dependent packages)

Total download size: 1.9 M
Installed size: 5.3 M
Is this ok [y/d/N]: y
```

```
  Installing : apr-1.7.2-1.amzn2.0.1.x86_64                                                        1/9
  Installing : apr-util-bdb-1.6.3-1.amzn2.0.1.x86_64                                               2/9
  Installing : apr-util-1.6.3-1.amzn2.0.1.x86_64                                                   3/9
  Installing : httpd-tools-2.4.62-1.amzn2.0.2.x86_64                                               4/9
  Installing : httpd-filesystem-2.4.62-1.amzn2.0.2.noarch                                          5/9
  Installing : generic-logos-httpd-18.0.0-4.amzn2.noarch                                           6/9
  Installing : mailcap-2.1.41-2.amzn2.noarch                                                       7/9
  Installing : mod_http2-1.15.19-1.amzn2.0.2.x86_64                                                8/9
  Installing : httpd-2.4.62-1.amzn2.0.2.x86_64                                                     9/9
  Verifying  : apr-1.7.2-1.amzn2.0.1.x86_64                                                        1/9
  Verifying  : apr-util-bdb-1.6.3-1.amzn2.0.1.x86_64                                               2/9
  Verifying  : httpd-2.4.62-1.amzn2.0.2.x86_64                                                     3/9
  Verifying  : mod_http2-1.15.19-1.amzn2.0.2.x86_64                                                4/9
  Verifying  : apr-util-1.6.3-1.amzn2.0.1.x86_64                                                   5/9
  Verifying  : mailcap-2.1.41-2.amzn2.noarch                                                       6/9
  Verifying  : generic-logos-httpd-18.0.0-4.amzn2.noarch                                           7/9
  Verifying  : httpd-tools-2.4.62-1.amzn2.0.2.x86_64                                               8/9
  Verifying  : httpd-filesystem-2.4.62-1.amzn2.0.2.noarch                                          9/9

Installed:
  httpd.x86_64 0:2.4.62-1.amzn2.0.2

Dependency Installed:
  apr.x86_64 0:1.7.2-1.amzn2.0.1                             apr-util.x86_64 0:1.6.3-1.amzn2.0.1
  apr-util-bdb.x86_64 0:1.6.3-1.amzn2.0.1                    generic-logos-httpd.noarch 0:18.0.0-4.amzn2
  httpd-filesystem.noarch 0:2.4.62-1.amzn2.0.2               httpd-tools.x86_64 0:2.4.62-1.amzn2.0.2
  mailcap.noarch 0:2.1.41-2.amzn2                            mod_http2.x86_64 0:1.15.19-1.amzn2.0.2

Complete!
[root@ip-172-31-90-28 ec2-user]#
```

```
  Installing : mailcap-2.1.41-2.amzn2.noarch                                                       7/9
  Installing : mod_http2-1.15.19-1.amzn2.0.2.x86_64                                                8/9
  Installing : httpd-2.4.62-1.amzn2.0.2.x86_64                                                     9/9
  Verifying  : apr-1.7.2-1.amzn2.0.1.x86_64                                                        1/9
  Verifying  : apr-util-bdb-1.6.3-1.amzn2.0.1.x86_64                                               2/9
  Verifying  : httpd-2.4.62-1.amzn2.0.2.x86_64                                                     3/9
  Verifying  : mod_http2-1.15.19-1.amzn2.0.2.x86_64                                                4/9
  Verifying  : apr-util-1.6.3-1.amzn2.0.1.x86_64                                                   5/9
  Verifying  : mailcap-2.1.41-2.amzn2.noarch                                                       6/9
  Verifying  : generic-logos-httpd-18.0.0-4.amzn2.noarch                                           7/9
  Verifying  : httpd-tools-2.4.62-1.amzn2.0.2.x86_64                                               8/9
  Verifying  : httpd-filesystem-2.4.62-1.amzn2.0.2.noarch                                          9/9

Installed:
  httpd.x86_64 0:2.4.62-1.amzn2.0.2

Dependency Installed:
  apr.x86_64 0:1.7.2-1.amzn2.0.1                             apr-util.x86_64 0:1.6.3-1.amzn2.0.1
  apr-util-bdb.x86_64 0:1.6.3-1.amzn2.0.1                    generic-logos-httpd.noarch 0:18.0.0-4.amzn2
  httpd-filesystem.noarch 0:2.4.62-1.amzn2.0.2               httpd-tools.x86_64 0:2.4.62-1.amzn2.0.2
  mailcap.noarch 0:2.1.41-2.amzn2                            mod_http2.x86_64 0:1.15.19-1.amzn2.0.2

Complete!
[root@ip-172-31-90-28 ec2-user]# chkconfig httpd on
Note: Forwarding request to 'systemctl enable httpd.service'.
Created symlink from /etc/systemd/system/multi-user.target.wants/httpd.service to /usr/lib/systemd/system/httpd.service.
[root@ip-172-31-90-28 ec2-user]# service httpd restart
Redirecting to /bin/systemctl restart httpd.service
[root@ip-172-31-90-28 ec2-user]# cd /var/www/html
[root@ip-172-31-90-28 html]# vi index.html
```

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"index.html" [New]                                                                  0,0-1         All
```

```
<h1><b>Working with Web Server from AWS Linux Instance</b></h1>
<h2>Cloud Computing Programs Implementing with AWS Academy Portal</h2>
<p>Name: Subhapreet Patro</p>
<p>Roll No.: 2211CS010547</p>
<p>Group: 3</p>
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:wq
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  Installing : mod_http2-1.15.19-1.amzn2.0.2.x86_64                                                  8/9
  Installing : httpd-2.4.62-1.amzn2.0.2.x86_64                                                       9/9
  Verifying  : apr-1.7.2-1.amzn2.0.1.x86_64                                                          1/9
  Verifying  : apr-util-bdb-1.6.3-1.amzn2.0.1.x86_64                                                 2/9
  Verifying  : httpd-2.4.62-1.amzn2.0.2.x86_64                                                       3/9
  Verifying  : mod_http2-1.15.19-1.amzn2.0.2.x86_64                                                  4/9
  Verifying  : apr-util-1.6.3-1.amzn2.0.1.x86_64                                                     5/9
  Verifying  : mailcap-2.1.41-2.amzn2.noarch                                                         6/9
  Verifying  : generic-logos-httpd-18.0.0-4.amzn2.noarch                                             7/9
  Verifying  : httpd-tools-2.4.62-1.amzn2.0.2.x86_64                                                 8/9
  Verifying  : httpd-filesystem-2.4.62-1.amzn2.0.2.noarch                                            9/9

Installed:
  httpd.x86_64 0:2.4.62-1.amzn2.0.2

Dependency Installed:
  apr.x86_64 0:1.7.2-1.amzn2.0.1                    apr-util.x86_64 0:1.6.3-1.amzn2.0.1
  apr-util-bdb.x86_64 0:1.6.3-1.amzn2.0.1           generic-logos-httpd.noarch 0:18.0.0-4.amzn2
  httpd-filesystem.noarch 0:2.4.62-1.amzn2.0.2      httpd-tools.x86_64 0:2.4.62-1.amzn2.0.2
  mailcap.noarch 0:2.1.41-2.amzn2                   mod_http2.x86_64 0:1.15.19-1.amzn2.0.2

Complete!
[root@ip-172-31-90-28 ec2-user]# chkconfig httpd on
Note: Forwarding request to 'systemctl enable httpd.service'.
Created symlink from /etc/systemd/system/multi-user.target.wants/httpd.service to /usr/lib/systemd/system/httpd.service.
[root@ip-172-31-90-28 ec2-user]# service httpd restart
Redirecting to /bin/systemctl restart httpd.service
[root@ip-172-31-90-28 ec2-user]# cd /var/www/html
[root@ip-172-31-90-28 html]# vi index.html
[root@ip-172-31-90-28 html]#
```

Instances (1/4) Info

Last updated less than a minute ago | Connect | Instance state | Actions | Launch instances

Find Instance by attribute or tag (case-sensitive) | All states | 1

Name	Instance ID	Instance state	Instance type	S
2211CS010547-Linux	i-02f4f1c67aa0b5fe7	Stopped	t2.micro	...
Mysnapshotinstance	i-0bf09aed72632302d	Stopped	t2.micro	...
2211cs010547-Linux-web	i-0e85475167642ad50	Running	t2.micro	...
2211CS010547-Windows	i-09c7fd36512b5547f	Stopped	t2.micro	...

Instance summary for i-0e85475167642ad50 (2211cs010547-Linux-web) Info

Connect | Instance state | Actions

Updated less than a minute ago

Instance ID
i-0e85475167642ad50

Public IPv4 address
100.26.109.244 | open address

Private IPv4 addresses
172.31.90.28

IPv6 address
–

Instance state
Running

Public IPv4 DNS
ec2-100-26-109-244.compute-1.amazonaws.com | open address

Hostname type
IP name: ip-172-31-90-28.ec2.internal

Private IP DNS name (IPv4 only)
ip-172-31-90-28.ec2.internal

Answer private resource DNS name
IPv4 (A)

Instance type
t2.micro

Elastic IP addresses
–

Auto-assigned IP address
100.26.109.244 [Public IP]

VPC ID
vpc-0ecfc1ace11d69281

AWS Compute Optimizer finding
Opt-in to AWS Compute Optimizer for recommendations. | Learn more

IAM Role
–

Subnet ID
subnet-04d923ca7c1a6e933

Auto Scaling Group name
–

IMDSv2
Required

Instance ARN
arn:aws:ec2:us-east-1:069642539417:instance/i-0e85475167642ad50

Managed
false

Exp-9-Webpage h | Launch AWS Acad | Instance details | E | 100.26.109.244

Not secure | 100.26.109.244

Working with Web Server from AWS Linux Instance

Cloud Computing Programs Implementing with AWS Academy Portal

Name: Subhapreet Patro

Roll No.: 2211CS010547

Group: 3