

Name: Prashanth Raghavendra Rao


Task: AWS 2

Date: 31/05/2025

Task Description:

Set up a VPC with an Internet gateway, create a public subnet with 256 IP addresses, a private subnet with 256 IP addresses, make a route table connecting the Internet gateway and the subnets, and launch a Linux EC2 instance by using the above VPC and public subnet.

Visual Subnet Calculator



Enter the network you wish to subnet:

Network Address

Mask bits

10.0.0.0

/16

Update

Reset

Show columns: ☒ Subnet address ☐ Netmask ☒ Range of addresses ☒ Useable IPs ☒ Hosts ☒ Divide ☒ Join

Click below to split and join subnets.
If you wish to save this subnetting for later, bookmark [this hyperlink](#).

Subnet address	Range of addresses	Useable IPs	Hosts	Divide	Join
10.0.0.0/17	10.0.0.0 - 10.0.127.255	10.0.0.1 - 10.0.127.254	32766	Divide	/17
10.0.128.0/18	10.0.128.0 - 10.0.191.255	10.0.128.1 - 10.0.191.254	16382	Divide	/18
10.0.192.0/19	10.0.192.0 - 10.0.223.255	10.0.192.1 - 10.0.223.254	8190	Divide	/19
10.0.224.0/20	10.0.224.0 - 10.0.239.255	10.0.224.1 - 10.0.239.254	4094	Divide	/20
10.0.240.0/21	10.0.240.0 - 10.0.247.255	10.0.240.1 - 10.0.247.254	2046	Divide	/21
10.0.248.0/22	10.0.248.0 - 10.0.251.255	10.0.248.1 - 10.0.251.254	1022	Divide	/22
10.0.252.0/24	10.0.252.0 - 10.0.252.255	10.0.252.1 - 10.0.252.254	254	Divide	/24
10.0.253.0/24	10.0.253.0 - 10.0.253.255	10.0.253.1 - 10.0.253.254	254	Divide	/24
10.0.254.0/25	10.0.254.0 - 10.0.254.127	10.0.254.1 - 10.0.254.126	126	Divide	/25
10.0.254.128/25	10.0.254.128 - 10.0.254.255	10.0.254.129 - 10.0.254.254	126	Divide	/25
10.0.255.0/26	10.0.255.0 - 10.0.255.63	10.0.255.1 - 10.0.255.62	62	Divide	/26
10.0.255.64/26	10.0.255.64 - 10.0.255.127	10.0.255.65 - 10.0.255.126	62	Divide	/26
10.0.255.128/25	10.0.255.128 - 10.0.255.255	10.0.255.129 - 10.0.255.254	126	Divide	/25

1. VPC Creation

RWS

Search

IAM

EC2

VPC

Create VPC

Create VPC

A VPC is an isolated portion of the AWS Cloud populated by AWS objects, such as Amazon EC2 instances.

VPC settings

Resources to create

Create only the VPC resource or the VPC and other networking resources.

☒ VPC only

☐ VPC and more

Name tag - optional

Creates a tag with a key of 'Name' and a value that you specify.

Prash-VPC-01

IPv4 CIDR block

☒ IPv4 CIDR manual input

☐ IPAM-allocated IPv4 CIDR block

IPv4 CIDR

10.0.254.0/24

CIDR block size must be between /16 and /28.

IPv6 CIDR block

☒ No IPv6 CIDR block

☐ IPAM-allocated IPv6 CIDR block

☐ Amazon-provided IPv6 CIDR block

☐ IPv6 CIDR owned by me

Tenancy

Default

Tags

A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

Key

Value - optional

Q, Name

X

Q, Prash-VPC-01

X

Remove tag

Add tag

You can add 49 more tags

Cancel

Preview code

Create VPC

The screenshot displays the AWS Management Console interface for a specific VPC. At the top, there's a navigation bar with the AWS logo, search bar, and user information. The main header shows the breadcrumb trail: VPC > Your VPCs > vpc-04f2d42c0541a4733. Below this, the page title is "vpc-04f2d42c0541a4733 / Prash-VPC-01". A green notification banner at the top states "You successfully created vpc-04f2d42c0541a4733 / Prash-VPC-01".

The left sidebar contains the navigation menu with categories like Virtual private cloud, Security, PrivateLink and Lattice, DNS firewall, and Network Firewall. The main content area is titled "Details" and provides comprehensive information about the VPC:

- VPC ID:** vpc-04f2d42c0541a4733
- DNS resolution:** Enabled
- Main network ACL:** acl-09797991a82832895
- IPv6 CIDR (Network border group):** -
- State:** Available
- Tenancy:** default
- Default VPC:** No
- Network Address Usage metrics:** Disabled
- Block Public Access:** Off
- DHCP option set:** dhcp-09e32edecebf1987
- IPv4 CIDR:** 10.0.254.0/24
- Route S3 Resolver DNS Firewall rule groups:** Failed to load rule groups
- DNS hostnames:** Disabled
- Main route table:** rtb-0977e0a36b2db8057
- IPv6 pool:** -
- Owner ID:** 755937526811

Below the details section is the "Resource map" which visualizes the resources associated with the VPC:

- VPC:** Shows the VPC icon and name "Prash-VPC-01".
- Subnets (0):** Indicates no subnets are currently defined within this VPC.
- Route tables (1):** Shows one route table, "rtb-0977e0a36b2db8057".
- Network connections (0):** Indicates no connections to other networks.

2. Subnet Creation

AWS

iam

ec2

vpc

VPC

Subnets

Create subnet

VPC

VPC ID

Create subnets in this VPC.

vpc-04f2d432c0541a4733 (Prash-VPC-01)

Associated VPC CIDRs

IPv4 CIDRs

10.0.254.0/24

Subnet settings

Specify the CIDR blocks and Availability Zone for the subnet.

Subnet 1 of 2

Subnet name

Create a tag with a key of 'Name' and a value that you specify.

Prash-Public-SN1

The name can be up to 255 characters long.

Availability Zone

Choose the zone in which your subnet will reside, or let Amazon choose one for you.

Asia Pacific (Mumbai) / ap-south-1a

IPv4 VPC CIDR block

Choose the VPC's IPv4 CIDR block for the subnet. The subnet's IPv4 CIDR must lie within this block.

10.0.254.0/24

IPv4 subnet CIDR block

10.0.254.0/25

128 IPs

Tags - optional

Key

Q Name

Value - optional

Q Prash-Public-SN1

Remove

Add new tag

You can add 48 more tags.

Remove

CloudShell

Feedback

© 2023, Amazon Web Services, Inc. or its affiliates. [Privacy](#) [Terms](#) [Cookie preferences](#)

3. Route Table Creation

Route tables

Create route table

Create route table

A route table specifies how packets are forwarded between the subnets within your VPC, the internet, and your VPN connection.

Route table settings

Name - optional

Create a tag with a key of 'Name' and a value that you specify.

Prash-Public-RT-1

VPC

The VPC to use for this route table.

vpc-04f2d42c0541a4733 (Prash-VPC-01)

Tags

A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

Key

Q Name

Value - optional

Q Prash-Public-RT-1

Remove

Add new tag

You can add 49 more tags.

Cancel

Create route table

CloudShell

Feedback

© 2025, Amazon Web Services, Inc. or its affiliates.

Privacy

Terms

Cookie preferences

Route tables

rtb-014ce3bf4d441e0ab

VPC dashboard

EC2 Global View

Filter by VPC

Virtual private cloud

Your VPCs

Subnets

Route tables

Internet gateways

Egress-only internet gateways

DHCP option sets

Elastic IPs

Managed prefix lists

NAT gateways

Peering connections

Security

Network ACLs

Security groups

PrivateLink and Lattice

Getting started Updated

Endpoints Updated

Endpoint services

Service networks Updated

Lattice services

Resource configurations New

Resource gateways New

Target groups

DNS firewall

Rule groups

Domain lists

Network Firewall

Firewalls

Firewall policies

Network Firewall rule groups

Route table rtb-014ce3bf4d441e0ab | Prash-Public-RT-1 was created successfully.

rtb-014ce3bf4d441e0ab / Prash-Public-RT-1

Actions

Details

Route table ID

rtb-014ce3bf4d441e0ab

Main

No

Explicit subnet associations

—

Edge associations

—

VPC

vpc-04f2d42c0541a4733 | Prash-VPC-01

Owner ID

755937526811

Routes

Subnet associations

Edge associations

Route propagation

Tags

Routes (1)

Filter routes

Both

Edit routes

Destination

Target

Status

Propagated

10.0.254.0/24

local

Active

No

AWS

Search

[Option+5]

iam ec2 vpc

Asia Pacific (Mumbai)

govprashanthraghavendra @ 7559-3752-6811

VPC

Route tables

Create route table

Create route table

A route table specifies how packets are forwarded between the subnets within your VPC, the internet, and your VPN connection.

Route table settings

Name - optional
Create a tag with a key of 'Name' and a value that you specify.

Prash-Private-RT-2

VPC
The VPC to use for this route table.

vpc-04f2d42c0541a4733 (Prash-VPC-01)

Tags
A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

Key
Name

Value - optional
Prash-Private-RT-2

Remove

Add new tag

You can add 49 more tags.

Cancel

Create route table

CloudShell

Feedback

© 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

AWS

Search

[Option+5]

iam ec2 vpc

Asia Pacific (Mumbai)

govprashanthraghavendra @ 7559-3752-6811

VPC

Route tables

rtb-0de4c911937ee2c02

VPC dashboard

EC2 Global View

Filter by VPC

Virtual private cloud

Your VPCs

Subnets

Route tables

Internet gateways

Egress-only internet gateways

DHCP option sets

Elastic IPs

Managed prefix lists

NAT gateways

Peering connections

Security

Network ACLs

Security groups

PrivateLink and Lattice

Getting started Updated

Endpoints Updated

Endpoint services

Service networks Updated

Lattice services

Resource configurations Now

Resource gateways New

Target groups

DNS firewall

Rule groups

Domain lists

Network Firewall

Firewalls

Firewall policies

Network Firewall rule groups

Route table rtb-0de4c911937ee2c02 | Prash-Private-RT-2 was created successfully.

Actions

rtb-0de4c911937ee2c02 / Prash-Private-RT-2

Details

Route table ID
rtb-0de4c911937ee2c02

Main
No

Explicit subnet associations
-

Edge associations
-

VPC
vpc-04f2d42c0541a4733 | Prash-VPC-01

Owner ID
755937526811

Routes

Subnet associations

Edge associations

Route propagation

Tags

Routes (1)

Filter routes

Both

Edit routes

Destination	Target	Status	Propagated
10.0.254.0/24	local	Active	No

The screenshot shows the AWS Management Console interface for the VPC service. The top navigation bar includes the AWS logo, account information (IAM, EC2, VPC), and regional details (Asia Pacific (Mumbai)). The main header indicates the current path: VPC > Route tables.

VPC dashboard

- [EC2 Global View](#)
- [Filter by VPC](#)

Virtual private cloud

- Your VPCs
- Subnets
- [Route tables](#)
- Internet gateways
- Egress-only internet gateways
- DHCP option sets
- Elastic IPs
- Managed prefix lists
- NAT gateways
- Peering connections

Security

- Network ACLs
- Security groups

PrivateLink and Lattice

- Getting started [Updated](#)
- Endpoints [Updated](#)
- Endpoint services
- Service networks [Updated](#)
- Lattice services
- Resource configurations [New](#)
- Resource gateways [New](#)
- Target groups

DNS firewall

- Rule groups
- Domain lists

Network Firewall

- Firewalls
- Firewall policies
- [Network Firewall rule groups](#)

Route tables (4) info

Last updated less than a minute ago | [Actions](#) | [Create route table](#)

<input type="checkbox"/>	Name	Route table ID	Explicit subnet associ...	Edge associations	Main	VPC	Owner ID
<input type="checkbox"/>	Default-RT-1	rtb-0e6644bc7db3042ae	-	-	Yes	vpc-0f8936fb8ea61af6e Defaul...	755937526811
<input type="checkbox"/>	Default-RT-2	rtb-0977a0a36b2d88057	-	-	Yes	vpc-04f2642c0541a4733 Pras...	755937526811
<input type="checkbox"/>	Prash-Public-RT-1	rtb-014ca3bf4d441e0ab	-	-	No	vpc-04f2642c0541a4733 Pras...	755937526811
<input type="checkbox"/>	Prash-Private-RT-2	rtb-0d6ec911937ee2c02	-	-	No	vpc-04f2642c0541a4733 Pras...	755937526811

Select a route table

4. Internet Gateway Creation

Search

Option+5

iam

ec2

vpc

VPC > Internet gateways > Create Internet gateway

Internet gateway settings

Name tag

Creates a tag with a key of 'Name' and a value that you specify.

Prash-IGW

Tags - optional

A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

Key

Value - optional

Q Name

X

Q Prash-IGW

X

Remove

Add new tag

You can add 49 more tags.

Cancel

Create Internet gateway

VPC > Internet gateways

VPC dashboard

EC2 Global View

Filter by VPC

Virtual private cloud

Your VPCs

Subnets

Route tables

Internet gateways

Egress-only internet gateways

DHCP option sets

Elastic IP's

Managed prefix lists

NAT gateways

Peering connections

Security

Network ACLs

Security groups

PrivateLink and Lattice

Getting started Updated

Endpoints Updated

Endpoint services

Service networks Updated

Lattice services

Resource configurations New

Resource gateways New

Target groups

DNS firewall

Rule groups

Domain lists

Network Firewall

Firewalls

Firewall policies

Network Firewall rule groups

Internet gateway igw-06b5526a0ad04122f successfully attached to vpc-04f2d42c0541a4733

Internet gateways (2) Info

Find internet gateways by attribute or tag

Name	Internet gateway ID	State	VPC ID	Owner
Default-IGW	igw-09b0ff6b101d1dd0ca	Attached	ypc-0f9318fbbea61af5e Default-VPC	755937526811
Prash-IGW	igw-06b5526a0ad04122f	Attached	ypc-04f2d42c0541a4733 Prash-VPC-01	755937526811

Select an internet gateway above

CloudShell Feedback

© 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

RWS Search [Option+5]

IAM EC2 VPC

VPC > Route tables > rtb-014ce3bf4d441eCub > Edit routes

Edit routes

Destination
10.0.254.0/24

Target
local
Q local X
Internet Gateway
Q igw-06b5526a0ad04122f X
Use: "igw-06b5526a0ad04122f"
igw-06b5526a0ad04122f (Prash-IGW)

Status
Active

Propagated
No
No

Add route

Remove

Cancel Preview Save changes

The screenshot displays the AWS Management Console interface for the VPC dashboard. At the top, there's a navigation bar with the AWS logo, search bar, and user information. The main header shows the path: VPC > Route tables > rtb-014ce3bf4d441e0ab. A green notification banner at the top states: "Updated routes for rtb-014ce3bf4d441e0ab / Prash-Public-RT-1 successfully".

VPC dashboard

EC2 Global View [icon]

Filter by VPC [dropdown]

Virtual private cloud

- Your VPCs
- Subnets
- Route tables**
- Internet gateways
- Egress-only internet gateways
- DHCP option sets
- Elastic IPs
- Managed prefix lists
- NAT gateways
- Peering connections

Security

- Network ACLs
- Security groups

PrivateLink and Lattice

- Getting started [Updated](#)
- Endpoints [Updated](#)
- Endpoint services
- Service networks [Updated](#)
- Lattice services
- Resource configurations [New](#)
- Resource gateways [New](#)
- Target groups

DNS firewall

- Rule groups
- Domain lists

Network Firewall

- Firewalls
- Firewall policies

Network Firewall rule groups

[CloudShell] [Feedback]

rtb-014ce3bf4d441e0ab / Prash-Public-RT-1

Actions [dropdown]

Details [Info](#)

Main No

Explicit subnet associations [subnet-0342f5d305c46b07b / Prash-Public-SN1](#)

Edge associations -

Route table ID [rtb-014ce3bf4d441e0ab](#)

VPC [vpc-04f2d6d20541a4733 / Prash-VPC-01](#)

Owner ID [755917526811](#)

[Routes](#) | [Subnet associations](#) | [Edge associations](#) | [Route propagation](#) | [Tags](#)

Routes (2)

Filter routes

Destination	Target	Status	Propagated
0.0.0.0/0	igw-06b5526a0be0d4122f	Active	No
10.0.254.0/24	local	Active	No

5. Security Groups Creation

AWS

Search

[Options+5]

IAM

EC2

VPC

Asia Pacific (Mumbai)

govprashantgavendra @ 7559-3752-6811

VPC

Security Groups

Create security group

Create security group

A security group acts as a virtual firewall for your instance to control inbound and outbound traffic. To create a new security group, complete the fields below.

Basic details

Security group name [Info](#)

PrashVPC-SG-1

Name cannot be edited after creation.

Description [Info](#)

Prash-VPC-SG-1

VPC [Info](#)

vpc-04f2d42c0541a4733 (Prash-VPC-01)

Inbound rules [Info](#)

Type Info	Protocol Info	Port range Info	Source Info	Description - optional Info
SSH	TCP	22	Anywh... 0.0.0.0/0	<div>Delete</div>
HTTP	TCP	80	Anywh... 0.0.0.0/0	<div>Delete</div>

Add rule

Rules with source of 0.0.0.0/0 or ::/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

Outbound rules [Info](#)

Type Info	Protocol Info	Port range Info	Destination Info	Description - optional Info
All traffic	All	All	Custom 0.0.0.0/0	<div>Delete</div>

Add rule

Rules with destination of 0.0.0.0/0 or ::/0 allow your instances to send traffic to any IPv4 or IPv6 address. We recommend setting security group rules to be more restrictive and to only allow traffic to specific known IP addresses.

Tags - optional

A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

CloudShell

Feedback

© 2023, Amazon Web Services, Inc. or its affiliates. [Privacy](#) [Terms](#) [Cookie preferences](#)

AWS

Search

[Option+5]

IAM

EC2

VPC

gopranthraghavendra @ 7559-3752-6811

Asia Pacific (Mumbai)

VPC dashboard

EC2 Global View

Filter by VPC

Virtual private cloud

Your VPCs

Subnets

Route tables

Internet gateways

Egress-only internet gateways

DHCP option sets

Elastic IPs

Managed prefix lists

NAT gateways

Peering connections

Security

Network ACLs

Security groups

PrivateLink and Lattice

Getting started

Endpoints

Endpoint services

Service networks

Lattice services

Resource configurations

Resource gateways

Target groups

DNS firewall

Rule groups

Domain lists

Network Firewall

Firewalls

Firewall policies

Network Firewall rule groups

sg-0eb6d884f321512cb - PrashVPC-SG-1

Actions

Details

Security group name

PrashVPC-SG-1

Security group ID

sg-0eb6d884f321512cb

Description

Prash-VPC-SG1

VPC ID

vpc-04f2d42c0541ae733

Owner

755937526811

Inbound rules count

2 Permission entries

Outbound rules count

1 Permission entry

Inbound rules

Outbound rules

Sharing - new

VPC associations - new

Tags

Inbound rules (2)

Manage tags

Edit inbound rules

Search

	Name	Security group rule ID	IP version	Type	Protocol	Port range	Source	Description
<input type="checkbox"/>	-	sgr-070bc50f60cae5655	IPv4	HTTP	TCP	80	0.0.0.0/0	-
<input type="checkbox"/>	-	sgr-02da9bd1b9ef6bd1e	IPv4	SSH	TCP	22	0.0.0.0/0	-

CloudShell

Feedback

© 2025, Amazon Web Services, Inc. or its affiliates.

Privacy

Terms

Cookie preferences

VPC dashboard

EC2 Global View

Filter by VPC

Virtual private cloud

Your VPCs

Subnets

Route tables

Internet gateways

Egress-only internet gateways

DHCP option sets

Elastic IPs

Managed prefix lists

NAT gateways

Peering connections

Security

Network ACLs

Security groups

PrivateLink and Lattice

Getting started

Endpoints

Endpoint services

Service networks

Lattice services

Resource configurations

Resource gateways

Target groups

DNS firewall

Rule groups

Domain lists

Network Firewall

Firewalls

Firewall policies

Network Firewall rule groups

Security Groups (3)

Actions

Export security groups to CSV

Create security group

Find security groups by attribute or tag

	Name	Security group ID	Security group name	VPC ID	Description	Owner
<input type="checkbox"/>	Default-SG-1	sg-036501c0bd2088d3a	default	vpc-04f2d42c0541ae733	default VPC security group	755937526811
<input type="checkbox"/>	Prash-VPC-SG-1	sg-0eb6d884f321512cb	PrashVPC-SG-1	vpc-04f2d42c0541ae733	Prash-VPC-SG1	755937526811
<input type="checkbox"/>	Default-SG-2	sg-068898553978a3fcb	default	vpc-0f8938fb8ea61affe	default VPC security group	755937526811

Select a security group

CloudShell

Feedback

© 2025, Amazon Web Services, Inc. or its affiliates.

Privacy

Terms

Cookie preferences

6. EC2 Creation

AWS

Search

[Option+5]

Asia Pacific (Mumbai)

govprashanthraghuvendra @ 7559-3752-4811

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

Prash-VPC-Instance1

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

Quick Start

Amazon Linux

macOS

Ubuntu

Windows

Red Hat

SUSE Linux

Debian

Browse more AMIs

Including AMIs from AWS, Marketplace and the Community

Amazon Machine Image (AMI)

Free tier eligible

Ubuntu Server 24.04 LTS (HVM), SSD Volume Type

ami-0e35dab05955cf57 (64-bit x86) / ami-0429d8a1cd1ca80 (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

Architecture

AMI ID

Publish Date

Username

Verified provider

64-bit (x86)

ami-0e35dab05955cf57

2025-03-05

ubuntu

Instance type

info

Get advice

Instance type

Summary

Number of instances

1

Software Image (AMI)

Canonical, Ubuntu, 24.04, amd64...read more

ami-0e35dab05955cf57

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 of opening an AWS account, you get 750 hours per month of t2.micro instance usage (or t3.micro where t2.micro isn't available) when used with free tier AMIs, 750 hours per month of public IPv4 address usage, 30 GiB of EBS storage, 2 million I/Os, 1 GiB of snapshots, and 100 GiB of bandwidth to the Internet.

Cancel

Launch instance

Preview code

CloudShell

Feedback

© 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

CloudShell

Feedback

Search

[Option+S]

Asia Pacific (Mumbai)

govprashanthraghavendra @ 7559-3752-6811

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

Prash-VPC-Priv1

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 your full catalog including 1000s of application and OS images

Recents

Quick Start

Amazon Linux

macOS

Ubuntu

Windows

Red Hat

SUSE Linux

Debian

Browse more AMIs

Including AMIs from AWS, Marketplace and the Community

Amazon Machine Image (AMI)

Free tier eligible

Description

Ubuntu Server 24.04 LTS (HVM), SSD Volume Type
ami-0e35dab05955c757 (64-bit (x86)) / ami-0429d8ba1c041ca80 (64-bit (ARM))
Virtualization from: LNX enabled: true Root device type: ebs

Canonical, Ubuntu, 24.04, amd64 noble image

Architecture

AMI ID

Publish Date

Username

Verified provider

64-bit (x86)

ami-0e35dab05955c757

2025-03-05

ubuntu

Instance type

Info

Get advice

Instance type

Summary

Info

Number of instances

1

Software Image (AMI)

Canonical, Ubuntu, 24.04, amd64...read more
ami-0e35dab05955c757

Virtual server type (instance type)

t2.micro

Firewall (security group)

-

Storage (volumes)

1 volume(s) - 8 GiB

Free tier: In your first year of opening an AWS account, you get 750 hours per month of t2.micro instance usage (or t3.micro where t2.micro isn't available) when used with free tier AMIs, 750 hours per month of public IPv4 address usage, 30 GiB of EBS storage, 2 million I/Os, 1 GiB of snapshots, and 100 GiB of bandwidth to the internet.

Cancel

Launch instance

Preview code

CloudShell

Feedback

Search

[Option+S]

Asia Pacific (Mumbai)

govprashanthraghavendra @ 7559-3752-6811

EC2

Instances

Launch an instance

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

govPrashanth

Create new key pair

Network settings

Info

VPC - required

Info

vpc-04f2d42c0541a4733 (Prash-VPC-01)

10.0.254.0/24

Create new VPC

Subnet

Info

subnet-0f95ef30e2254d0aa

Prash-Private-SN2

Create new subnet

Auto-assign public IP

Info

Disable

Firewall (security groups)

Info

Create security group

Select existing security group

Common security groups

Info

Select security groups

PrashVPC-SG-1 sg-0eb6d884f321512cb

Compare security group rules

Advanced network configuration

Configure storage

Info

1x

8

GiB

gp3

Root volume, 3000 IOPS, Not encrypted

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

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

Summary

Info

Number of instances

1

Software Image (AMI)

Canonical, Ubuntu, 24.04, amd64...read more
ami-0e35dab05955c757

Virtual server type (instance type)

t2.micro

Firewall (security group)

PrashVPC-SG-1

Storage (volumes)

1 volume(s) - 8 GiB

Free tier: In your first year of opening an AWS account, you get 750 hours per month of t2.micro instance usage (or t3.micro where t2.micro isn't available) when used with free tier AMIs, 750 hours per month of public IPv4 address usage, 30 GiB of EBS storage, 2 million I/Os, 1 GiB of snapshots, and 100 GiB of bandwidth to the internet.

Cancel

Launch instance

Preview code

AWSSearch[Option+S]

IAMEC2VPC

EC2>Instances

DashboardEC2 Global ViewEvents

Instances

Instance TypesLaunch TemplatesSpot RequestsSavings PlansReserved InstancesDedicated HostsCapacity Reservations

Images

AMI Catalog

Elastic Block Store

VolumesSnapshotsLifecycle Manager

Network & Security

Security GroupsElastic IPsPlacement GroupsKey PairsNetwork Interfaces

Load Balancing

Load BalancersTarget GroupsTrust Stores

Auto Scaling

Auto Scaling Groups

Instances (2) Info

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

ConnectInstance stateActionsLaunch instances

Less than a minute ago

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4	Elastic IP
Prash-VPC-Instance1	i-0f62871230829c057	Running	t2.micro	Initializing	View alarms +	ap-south-1a	-	13.232.188.176	-
Prash-VPC-Priv1	i-093fa01aec110622d	Running	t2.micro	Initializing	View alarms +	ap-south-1a	-	-	-

Select an instance

CloudShellFeedback

© 2025, Amazon Web Services, Inc. or its affiliates. PrivacyTermsCookie preferences

AWSSearch[Option+S]

IAMEC2VPC

Welcome to Ubuntu 24.04.2 LTS (GNU/Linux 6.8.0-1024-aws x86_64)

* Documentation: <https://help.ubuntu.com>

* Management: <https://landscape.canonical.com>

* Support: <https://ubuntu.com/pro>

System information as of Sat May 31 16:18:10 UTC 2025

System load: 0.29

Processes: 107

Usage of /: 25.0% of 6.71GB

Users logged in: 0

Memory usage: 21%

IPv4 address for enx0: 10.0.254.84

Dwap 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-10-0-254-84:~\$

i-0f62871230829c057 (Prash-VPC-Instance1)

PublicIP: 13.232.188.176 PrivateIP: 10.0.254.84

CloudShellFeedback

© 2025, Amazon Web Services, Inc. or its affiliates. PrivacyTermsCookie preferences


```
CloudShell Feedback
AWS IAM EC2 VPC
Search [Option+S]
Asia Pacific (Mumbai) gaurprashanthraghuvendra @ 7510-3752-6811

Welcome to Ubuntu 24.04.2 LTS (GNU/Linux 6.8.0-1024-aws x86_64)

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

System information as of Sat May 31 16:27:40 UTC 2025

System load: 0.9          Processes:           105
Usage of /:  25.3% of 6.7GiB   Users logged in:       0
Memory usage: 20%          IP address for enx0: 10.0.254.84
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

Last login: Sat May 31 16:18:10 2025 from 13.233.177.4
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ubuntu@ip-10-0-254-84:~$
```