

Info

A VPC is an isolated portion of the AWS Cloud populated by AWS objects, such as Amazon EC2 instances. Mouse over a resource to highlight the related resources.

VPC settings

Info

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

☐ VPC only

- VPC and more

Info

Enter a value for the Name tag. This value will be used to auto-generate Name tags for all resources in the VPC.

☒ Auto-generateaws-prod

Info

Determine the starting IP and the size of your VPC using CIDR notation.

| | |
|-------------|------------|
| 10.0.0.0/16 | 65,536 IPs |
|-------------|------------|

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

Info

- No IPv6 CIDR block

☐ Amazon-provided IPv6 CIDR block

Info

Preview

[Show details](#)

Your AWS virtual network

aws-prod-vpc

Subnets (4)

Subnets within this VPC

eu-north-1a

- aws-prod-subnet-public1-eu-north-

- aws-prod-subnet-private1-eu-north-

eu-north-1b

- aws-prod-subnet-public2-eu-north-

aws-prod-subnet-private2-eu-north-

Route ta

Route network

aws-prod-aws-prod-aws-prod-

Default



Number of Availability Zones (AZs) [Info](#)

Choose the number of AZs in which to provision subnets. We recommend at least two AZs for high availability.

1 2 3

► **Customize AZs**

Number of public subnets [Info](#)

The number of public subnets to add to your VPC. Use public subnets for web applications that need to be publicly accessible over the internet.

0 2

Number of private subnets [Info](#)

The number of private subnets to add to your VPC. Use private subnets to secure backend resources that don't need public access.

0 2 4

► **Customize subnets CIDR blocks**

The number of private subnets to add to your VPC. Use private subnets to secure backend resources that don't need public access.

0 2 4

► **Customize subnets CIDR blocks**

NAT gateways (\$) [Info](#)

Choose the number of Availability Zones (AZs) in which to create NAT gateways. Note that there is a charge for each NAT gateway

None In 1 AZ 1 per AZ

VPC endpoints [Info](#)

Endpoints can help reduce NAT gateway charges and improve security by accessing S3 directly from the VPC. By default, full access policy is used. You can customize this policy at any time.

None S3 Gateway

DNS options [Info](#)

- ☒ Enable DNS hostnames
- ☒ Enable DNS resolution

► **Additional tags**

Cancel

 Preview code

Create VPC

Your AWS virtual network

aws-prod-vpc

Subnets within this VPC

eu-north-1a

aws-prod-subnet-public1-eu-north-

A aws-prod-subnet-private1-eu-north-

eu-north-1b

8 aws-prod-subnet-public2-eu-north-

aws-prod-subnet-private2-eu-north-

Route network traffic to resources

aws-prod-rtb-public

aws-prod-rtb-private1-eu-north-1a

aws-prod-rtb-private2-eu-north-1b

Connections to other networks

- aws-prod-igw

aws-prod-nat-public1-eu-north-1a

aws-prod-nat-public2-eu-north-1b

✔ Success

▼ Details

- ✔ Create VPC: [vpc-091270adb9330a0e0](#)
- ✔ Enable DNS hostnames
- ✔ Enable DNS resolution
- ✔ Verifying VPC creation: [vpc-091270adb9330a0e0](#)
- ✔ Create subnet: [subnet-094eaad89cf3ce008](#)
- ✔ Create subnet: [subnet-0d773557e3752be4c](#)
- ✔ Create subnet: [subnet-0e9f33c22fa6948b4](#)
- ✔ Create subnet: [subnet-0fb9619dd1c441c3d](#)
- ✔ Create internet gateway: [igw-0aac92a30adcef5fa](#)
- ✔ Attach internet gateway to the VPC
- ✔ Create route table: [rtb-0b5b25d9c1394eb2b](#)
- ✔ Create route
- ✔ Associate route table
- ✔ Associate route table
- ✔ Allocate elastic IP: [eipalloc-02af5196e57c3d1dd](#)
- ✔ Allocate elastic IP: [eipalloc-0366e31fdc5f07b54](#)
- ✔ Create NAT gateway: [nat-0d77c51b4f6aea364](#)
- ✔ Create NAT gateway: [nat-0f9260ecfcb25f226](#)
- ✔ Wait for NAT Gateways to activate
- ✔ Create route table: [rtb-0d5d39711563f0a5e](#)
- ✔ Create route
- ✔ Associate route table
- ✔ Create route table: [rtb-03a59d4dfd90085c8](#)
- ✔ Create route

Actions ▼

Details Info

DNS hostnames
Enabled

Main route table
rtb-00e68d29de9b79c67

IPv6 pool

Owner ID
442042520713

Integrations

Resource map [Info](#)

Connect

aws-p

Create launch template

Creating a launch template allows you to create a saved instance configuration that can be reused, shared and launched at a later time. Templates can have multiple versions.

Launch template name and description

Launch template name - *required*

aws-prod

Must be unique to this account. Max 128 chars. No spaces or special characters like '&', '\', '@'.

Template version description

app deploy in aws private subnet

Max 255 chars

Auto Scaling guidance [Info](#)

Select this if you intend to use this template with EC2 Auto Scaling

☒ Provide guidance to help me set up a template that I can use with EC2 Auto Scaling

► Template tags

► Source template

Launch template contents

Specify the details of your launch template below. Leaving a field blank will result in the field not being included in the launch template.

Application and OS Image (Amazon Machine Image) - *required*

▼ Summary

Software Image (AMI)

Canonical, Ubuntu, 24.04, amd64...[read more](#)

ami-09a9858973b288bdd

Virtual server type (instance type)

t3.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 750 hours of public IPv4 address usage per month, 30 GiB of EBS storage, 2 million IOs, 1 GB of snapshots, and 100 GB of bandwidth to the internet.

[Cancel](#)

[Create launch template](#)

EC2 > Launch templates > Create launch template

Amazon Linux

aws

macOS

Mac

Ubuntu

ubuntu

Windows

Microsoft

Red Hat

Red Hat

SUSE Linux

SUSE

Debian

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
ami-09a9858973b288bdd (64-bit (x86)) / ami-001e33773aec8d45f (64-bit (Arm))
Virtualization: hvm ENA enabled: true Root device type: ebs

Free tier eligible

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

Username

64-bit (x86)

ami-09a9858973b288bdd

ubuntu

Verified provider

▼ Instance type

Info | Get advice

Advanced

Instance type

▼ Summary

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Canonical, Ubuntu, 24.04, amd64...[read more](#)
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Cancel

Create launch template

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EC2 > Launch templates > Create launch template

Amazon Linux

aws

macOS

Mac

Ubuntu

ubuntu

Windows

Microsoft

Red Hat

Red Hat

SUSE Linux

SUSE

Debian

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Cancel

Create launch template

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EC2 > Auto Scaling groups

Auto Scaling groups (1) [Info](#)

Launch configurations

Launch templates [↗](#)

Actions ▾

Create Auto Scaling group

Q Search your Auto Scaling groups

< 1 > [⚙](#)

| <input type="checkbox"/> | Name ▾ | Launch template/configuration ↗ ▾ | Instances ▾ | Status ▾ | Desired capacity ▾ | Min ▾ | Max ▾ | Availability Zones ▾ |
|--------------------------|--------------------------|---|-------------|----------|--------------------|-------|-------|--------------------------|
| <input type="checkbox"/> | aws-prod | aws-prod Version Default | 2 | - | 2 | 2 | 4 | eu-north-1b, eu-north... |

EC2

Dashboard

EC2 Global View

Events

Instances

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

Images

AMIs

AMI Catalog

Elastic Block Store

Volumes

Snapshots

Instances (2) [Info](#)

Last updated less than a minute ago

Connect

Instance state ▾

Actions ▾

Launch instances ▾

Find Instance by attribute or tag (case-sensitive)

All states ▾

| <input type="checkbox"/> | Name ✎ | Instance ID | Instance state ▾ | Instance type ▾ | Status check C | Alarm status | Availability Zone ▾ | Public IP |
|--------------------------|------------------------|-------------------------------------|--|-----------------|--------------------------------|--------------|---------------------|-----------|
| <input type="checkbox"/> | | i-0ac55419ca25605b7 | Running 🔍 🔍 | t3.micro | ... | ... | eu-north-1b | - |
| <input type="checkbox"/> | | i-096fd9c975737bcb7 | Running 🔍 🔍 | t3.micro | ... | ... | eu-north-1a | - |

Select an instance

It seems like you may be new to launching instances in EC2. Take a walkthrough to learn about EC2, how to launch instances and about best practices

Do not show me this message again

Take a walkthrough

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

bastion-host

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

Summary

Number of instances [Info](#)

1

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Canonical, Ubuntu, 24.04, amd6...[read more](#)

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- AMI Catalog
- Elastic Block Store**
- Volumes
- Snapshots
- Lifecycle Manager
- Network & Security**
- Security Groups
- Elastic IPs
- Placement Groups
- Key Pairs
- Network Interfaces
- Load Balancing**
- Load Balancers**
- Target Groups
- Trust Stores
- Auto Scaling**
- Auto Scaling Groups
- Settings

Load balancers (1)

Elastic Load Balancing scales your load balancer capacity automatically in response to changes in incoming traffic.

| <input type="checkbox"/> | Name | DNS name | State | VPC ID | Availability Zones | Type | Date created |
|--------------------------|--------------------------|--|--------|-----------------------|----------------------|-------------|-------------------|
| <input type="checkbox"/> | aws-prod | aws-prod-1689247451.eu-... | Active | vpc-003caac48f1b6378c | 2 Availability Zones | application | February 16, 2020 |

0 load balancers selected

Select a load balancer above.

My First AWS Project

to demonstrate private subnet

