

[Show more](#)

VPC

Isolated Cloud Resources



AWS Firewall Manager

Central management of firewall rules



Detective

Investigate and Analyze potential security issues

[Show more](#)

Dashboard

- VPC feature

Route 53 VPCs

- Route 53 feature

VPC Reachability Analyzer

- VPC feature

Resources / for a focused search



Introducing resource search

Enable to show cross-region resources for your account in search results. Takes less than 5 minutes to set up.



Go to Resource Explorer

Were these results helpful?

 Yes

 No

[Show more](#)

knowledge.

<



Filter by VPC:

Route servers [New](#)

Security groups

Lattice services

Note: Your Instances will launch in the United States region.

 Refresh Resources

You are using the following Amazon VPC resources

► [See all regions](#)

[View complete service health details](#)

Block Public Access

Zones

Console Experiments

VPC Documentation

[All VPC Resources](#)

Forums

[Report an Issue](#)

AWS Network Manager provides tools and features to help you manage and monitor your network on AWS. Network Manager makes it easier to perform connectivity management, network monitoring and troubleshooting, IP management, and network security and governance.

[Get started with Network Manager](#)

Info

VPC settings

Resources to create [Info](#)

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

☐ VPC only

☒ VPC and more

Name tag auto-generation [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-generate

project

IPv4 CIDR block [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.

IPv6 CIDR block [Info](#)

☒ No IPv6 CIDR block

☐ Amazon-provided IPv6 CIDR block

Tenancy [Info](#)

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**

The diagram illustrates the architecture of an AWS Virtual Private Cloud (VPC). It is organized into three main sections:

- VPC** (Virtual Private Cloud):
 - Label: **project-vpc**
 - Description: Your AWS virtual network
 - Link: [Show details](#)
- Subnets (4)**:
 - Description: Subnets within this VPC
 - Availability Zones:
 - us-east-1a**:
 - project-subnet-public1-us-east-1a (Public Subnet, marked with a green 'A' icon)
 - project-subnet-private1-us-east-1a (Private Subnet, marked with a blue 'A' icon)
 - us-east-1b**:
 - project-subnet-public2-us-east-1b (Public Subnet, marked with a green 'B' icon)
 - project-subnet-private2-us-east-1b (Private Subnet, marked with a blue 'B' icon)
- Route tables (3)**:
 - Description: Route network traffic to resources
 - Route Tables:
 - project-rtb-public
 - project-rtb-private1-us-east-1a
 - project-rtb-private2-us-east-1b

Connections are shown by lines: a line from the VPC box branches to connect to all four subnets; another line from the VPC box branches to connect to the three route tables; and lines connect each public subnet to the project-rtb-public route table and each private subnet to its corresponding private route table.

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.

MY-VPC

IPv4 CIDR block

IPv4 CIDR manual input

IPAM-allocated IPv4 CIDR block

IPv4 CIDR

10.0.0.0/20

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

Name

MY-VPC

Remove tag

Add tag

You can add 49 more tags

Cancel

Preview code

Create VPC

CloudShell

Feedback

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EC2 Global View

Filter by VPC:

Virtual private cloud

■

Your VPCs

Subnets

Route tables

Internet gateways

Egress-only Internet gateways

Carrier gateways

DHCP option sets

Elastic IPs

Managed prefix lists

NAT gateways

Peering connections

Route servers

New

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

You successfully created vpc-037b685166a5bd497 / MY-VPC

X

vpc-037b685166a5bd497 / MY-VPC

Actions

Details

Info

VPC ID

vpc-037b685166a5bd497

DNS resolution

Enabled

Main network ACL

acl-0a7eb637c0406d8e0

IPv6 CIDR (Network border group)

—

State

Available

Tenancy

default

Default VPC

No

Network Address Usage metrics

Disabled

Block Public Access

Off

DHCP option set

dopt-05eb95186ee88a5d5

IPv4 CIDR

10.0.0.0/20

Route 53 Resolver DNS Firewall rule groups

—

DNS hostnames

Disabled

Main route table

rtb-0036ecce7508ad314

IPv6 pool

—

Owner ID

Resource map

CIDRs

Flow logs

Tags

Integrations

Resource map

Info

VPC

Show details

Your AWS virtual network

MY-VPC

Subnets (0)

Subnets within this VPC

Route tables (1)

Route network traffic to resources

rtb-0036ecce7508ad314

Network connections (0)

Connections to other networks

CloudShell

Feedback

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