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VPC > Your VPCs > Create VPC

Create VPC [Info](#)

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

VPC settings

Name tag - optional

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

my-vpc-01

IPv4 CIDR block [Info](#)

10.0.0.0/24

IPv6 CIDR block [Info](#)

- ☒ No IPv6 CIDR block
- ☐ Amazon-provided IPv6 CIDR block
- ☐ IPv6 CIDR owned by me

Tenancy [Info](#)

Default ▾

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New VPC Experience
Tell us what you think

VPC Dashboard

EC2 Global View **New**

Filter by VPC:

Select a VPC

VIRTUAL PRIVATE CLOUD

Your VPCs

Subnets

Route Tables **New**

Internet Gateways

Egress Only Internet Gateways

DHCP Options Sets

Elastic IPs

Managed Prefix Lists

Endpoints

Endpoint Services **New**

NAT Gateways

You successfully created vpc-0c94f84ce24823ac7 / myvpc14

VPC > Your VPCs > vpc-0c94f84ce24823ac7

vpc-0c94f84ce24823ac7 / myvpc14

Actions ▾

Details [Info](#)

VPC ID

vpc-0c94f84ce24823ac7

Tenancy

Default

Default VPC

No

Route 53 Resolver DNS Firewall rule groups

—

State

Available

DHCP options set

[dopt-742d611f](#)

IPv4 CIDR

30.0.0.0/20

Owner ID

674545924305

DNS hostnames

Disabled

Main route table

[rtb-0888dea0caaf9defb](#)

IPv6 pool

—

DNS resolution

Enabled

Main network ACL

[acl-02898495e15d52f26](#)

IPv6 CIDR

—

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VPC > Subnets > Create subnet

Create subnet [Info](#)

VPC

VPC ID

Create subnets in this VPC.

vpc-0c94f84ce24823ac7 (myvpc14) ▾

Associated VPC CIDRs

IPv4 CIDRs

30.0.0.0/20

Subnet settings

Specify the CIDR blocks and Availability Zone for the subnet.

Subnet 1 of 1

Subnet name

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



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☒ New VPC Experience
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VPC Dashboard

EC2 Global View **New**

Filter by VPC:

VIRTUAL PRIVATE CLOUD

Your VPCs

Subnets

Route Tables **New**

Internet Gateways

Egress Only Internet Gateways

DHCP Options Sets

Elastic IPs

Managed Prefix Lists

Endpoints

Endpoint Services **New**

NAT Gateways

Peering

Connections **New**

✓ You have successfully created 1 subnet: subnet-0f22142b62e0428be

Subnets (1) [Info](#)



Actions ▾

Create subnet

< 1 >

Subnet ID: subnet-0f22142b62e0428be ✕

Clear filters

<input type="checkbox"/>	Name ▾	Subnet ID ▾	State ▾	VPC ▾	IPv4 CIDR ▾	IPv6 CIDR
<input type="checkbox"/>	mysubnets21	subnet-0f22142b62e0428be	✓ Available	vpc-0c94f84ce24823ac7 myv...	30.0.0.0/24	—

Select a subnet

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VPC > Subnets > subnet-0f22142b62e0428be > Modify auto-assign IP settings

Modify auto-assign IP settings [Info](#)

Enable the auto-assign IP address setting to automatically request a public IPv4 or IPv6 address for a new network interface in this subnet.

Settings

Subnet ID

subnet-0f22142b62e0428be

Auto-assign IPv4 [Info](#)

☒ Enable auto-assign public IPv4 address

Auto-assign customer-owned IPv4 address [Info](#)

☐ Enable auto-assign customer-owned IPv4 address
Option disabled because no customer owned pools found.

Cancel

Save

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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.

myroute14

VPC

The VPC to use for this route table.

vpc-0c94f84ce24823ac7 (myvpc14) ▾

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*

🔍 myroute14



Remove

Add new tag

You can add 49 more tags.

Cancel

Create route table

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 New VPC Experience
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- VPC Dashboard
- EC2 Global View **New**
- Filter by VPC:
- VIRTUAL PRIVATE CLOUD**
- Your VPCs
- Subnets
- Route Tables **New****
- Internet Gateways
- Egress Only Internet Gateways
- DHCP Options Sets
- Elastic IPs
- Managed Prefix Lists
- Endpoints
- Endpoint Services **New**
- NAT Gateways
- Peering
- Connections **New**

Route table rtb-0b219e237710b8103 | myroute14 was created successfully.

VPC: > Route tables > rtb-0b219e237710b8103

rtb-0b219e237710b8103 / myroute14

Actions ▾

 You can now check network connectivity

Details Info

Route table ID
 rtb-0b219e237710b8103

VPC
vpc-0c94f84ce24823ac7 | myvpc14

Set main route table

✕

Main route table controls the routing for all subnets that are not explicitly associated with any other route table. Are you sure you want to set this route table as the main route table?

- rtb-0b219e237710b8103 / myroute14

To confirm setting, type *set* in the field.

Cancel **OK**

Routes Subnet associations Edge associations Route propagation Tags

Routes (1)

Edit routes



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VPC > Route tables > rtb-031afb630911ff86e > Edit routes

Edit routes

Destination	Target	Status	Propagated
30.0.0.0/16	<input type="text" value="local"/>	✓ Active	No
<input type="text" value="0.0.0.0/0"/>	<input type="text" value="igw-08bfdcc487076370d"/>	✓ Active	No
<input type="button" value="Add route"/>			

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1. Choose AMI

2. Choose Instance Type

3. Configure Instance

4. Add Storage

5. Add Tags

6. Configure Security Group

7. Review

Step 3: Configure Instance Details

Configure the instance to suit your requirements. You can launch multiple instances from the same AMI, request Spot instances to take advantage of the lower pricing, assign an access management role to the instance, and more.

Number of instances ⓘ

[Launch into Auto Scaling Group ⓘ](#)

Purchasing option ⓘ

☐ Request Spot instances

Network ⓘ

[Create new VPC](#)

Subnet ⓘ

[Create new subnet](#)

251 IP Addresses available

Auto-assign Public IP ⓘ



Placement group ⓘ

☐ Add instance to placement group

Capacity Reservation ⓘ



Domain join directory ⓘ

[Create new directory](#)

IAM role ⓘ

[Create new IAM role](#)

Shutdown behavior ⓘ



Stop - Hibernate behavior ⓘ

☐ Enable hibernation as an additional stop behavior[Cancel](#)[Previous](#)[Review and Launch](#)[Next: Add Storage](#)[Feedback](#)

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VPC > Internet gateways > Attach to VPC (igw-0d4aa3d894a4406d2)

Attach to VPC (igw-0d4aa3d894a4406d2) [Info](#)

VPC

Attach an internet gateway to a VPC to enable the VPC to communicate with the internet. Specify the VPC to attach below.

Available VPCs

Attach the internet gateway to this VPC.

Q vpc-0c94f84ce24823ac7



► AWS Command Line Interface command

Cancel

Attach internet gateway

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