

## Create a VPC

Your VPCs (2) [Info](#)

↻

Actions ▾

Create VPC

< 1 > ⚙

### 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 - *optional*

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

IPv4 CIDR block [Info](#)

☒ IPv4 CIDR manual input

☐ IPAM-allocated IPv4 CIDR block

IPv4 CIDR

IPv6 CIDR block [Info](#)

☒ No IPv6 CIDR block

☐ IPAM-allocated IPv6 CIDR block

☐ Amazon-provided IPv6 CIDR block

☐ IPv6 CIDR owned by me

Tenancy [Info](#)

▼

Create Internet Gateway and attach Internet Gateway to VPC

An internet gateway enables you to connect to an EC2 instance in AWS using your local computer



VPC > Internet gateways > Attach to VPC (igw-04b93fa62fb4202dd)

## Attach to VPC (igw-04b93fa62fb4202dd) [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.

vpc-0b3443802a0cc7c3e - Demo VPC

[AWS Command Line Interface console](#) vpc-0b3443802a0cc7c3e - Demo VPC

[Cancel](#) [Attach internet gateway](#)

Create two public subnets in two Availability Zones  
Modify auto-assign IP settings

**Subnets** [Info](#) [Refresh](#) [Actions](#) [Create subnet](#)

search: vpc-0b3443802a0cc7c3e [Clear filters](#)

	Name	Subnet ID	State	VPC	IPv4 CIDR	IPv6 CID
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## Create subnet [Info](#)

**VPC**

VPC ID  
Create subnets in this VPC.

10.0.0.0/16

vpc-041036603ad4568e2 (default)  
172.31.0.0/16

## Subnet 1 of 2

### Subnet name

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

The name can be up to 256 characters long.

### Availability Zone [Info](#)

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

### IPv4 CIDR block [Info](#)

## Subnet 2 of 2

### Subnet name

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

The name can be up to 256 characters long.

### Availability Zone [Info](#)

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

### IPv4 CIDR block [Info](#)

**Subnets (1/2)** [Info](#)

	Name	Subnet ID	State	VPC
<input type="checkbox"/>	Public Subnet 2	subnet-013e5df49b2580996	Available	vpc-0b3443802a0cc7c3e   De...
<input checked="" type="checkbox"/>	Public Subnet 1	subnet-0a661b5026d462dc0	Available	vpc-0b3443802a0cc7c3e   De...

Actions

Create subnet

View details

Create flow log

Edit subnet settings

Edit IPv6 CIDRs

Edit network ACL association

Edit route table association

Edit CIDR reservations

Share subnet

### Auto-assign IP settings [Info](#)

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

☒ Enable auto-assign public IPv4 address [Info](#)

☐ Enable auto-assign customer-owned IPv4 address [Info](#)  
Option disabled because no customer owned pools found.

### Subnets (1/2) [Info](#)

Filter subnets

search: vpc-0b3443802a0cc7c3e X

Clear filters

	Name	Subnet ID	State	VPC
<input checked="" type="checkbox"/>	Public Subnet 2	subnet-013e5df49b2580996	Available	vpc-0b3443802a0cc7c3e   De...
<input type="checkbox"/>	Public Subnet 1	subnet-0a661b5026d462dc0	Available	vpc-0b3443802a0cc7c3e   De...

Actions

Create subnet

View details

Create flow log

Edit subnet settings

Edit IPv6 CIDRs

Edit network ACL association

Edit route table association

Edit CIDR reservations

Share subnet

### Auto-assign IP settings [Info](#)

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☒ Enable auto-assign public IPv4 address [Info](#)

☐ Enable auto-assign customer-owned IPv4 address [Info](#)  
Option disabled because no customer owned pools found.

Create a public route table (automatically created after create VPC)

Create a public route

### Route tables (1/2) [Info](#)

Find resources by attribute or tag

	Name	Route table ID	Explicit subnet associati...	Edge associations	Main	VPC
<input type="checkbox"/>	-	rtb-0c888fead5935b3be	-	-	Yes	vpc-041036603ad4568e2
<input checked="" type="checkbox"/>	-	rtb-0b5975e315c068c6b	-	-	Yes	vpc-0b3443802a0cc7c3e   Demo VPC

Public Route Ta...

Edit Name

Public Route Table

Cancel

Save

rtb-0b5975e315c068c6b / Public Route Table

Details Routes Subnet associations Edge associations Route propagation Tags

Routes (1)

Filter routes Both

Edit routes

Destination	Target	Status	Propagated
10.0.0.0/16	local	Active	No

0.0.0.0/0

Add route

- Core Network
- Egress Only Internet Gateway
- Gateway Load Balancer Endpoint
- Instance
- Internet Gateway
- local
- NAT Gateway
- Network Interface
- Outpost Local Gateway
- Peering Connection

igw-

igw-04b93fa62fb4202dd (DemoIGW)

Associate public route table to public subnet 1 and 2

rtb-0b5975e315c068c6b / Public Route Table

Details | Routes | **Subnet associations** | Edge associations | Route propagation | Tags

Explicit subnet associations (0)

**Edit subnet associations**

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Name	Subnet ID	IPv4 CIDR	IPv6 CIDR
No subnet associations			
You do not have any subnet associations.			

Edit subnet associations

Change which subnets are associated with this route table.

Available subnets (2/2)

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<input checked="" type="checkbox"/>	Name	Subnet ID	IPv4 CIDR	IPv6 CIDR	Route table ID
<input checked="" type="checkbox"/>	Public Subnet 2	subnet-013e5df49b2580996	10.0.1.0/24	-	Main (rtb-0b5975e315c068c6b / Publi..
<input checked="" type="checkbox"/>	Public Subnet 1	subnet-0a661b5026d462dc0	10.0.0.0/24	-	Main (rtb-0b5975e315c068c6b / Publi..

Create 4 private subnets (2 in each Availability Zone)

Subnets [Info](#)

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<input type="checkbox"/>	Name	Subnet ID	State	VPC	IPv4 CIDR	IPv6 CID
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Create subnet [Info](#)

VPC

VPC ID

Create subnets in this VPC.

Select a VPC

### Subnet name

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

Private Subnet 1 | App Tier

The name can be up to 256 characters long.

### Availability Zone [Info](#)

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

US East (Ohio) / us-east-2a

### IPv4 CIDR block [Info](#)

10.0.2.0/24

### Subnet name

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

Private Subnet 2 | App Tier

The name can be up to 256 characters long.

### Availability Zone [Info](#)

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

US East (Ohio) / us-east-2b

### IPv4 CIDR block [Info](#)

10.0.3.0/24



### Subnet name

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

Private Subnet 3 | Database Tier

The name can be up to 256 characters long.

### Availability Zone [Info](#)

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

US East (Ohio) / us-east-2a

### IPv4 CIDR block [Info](#)

10.0.4.0/24

### Subnet name

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

Private Subnet 4 | Database Tier

The name can be up to 256 characters long.

### Availability Zone [Info](#)

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

US East (Ohio) / us-east-2b

### IPv4 CIDR block [Info](#)

10.0.5.0/24

## Create private route table 1

Associate private route table 1 to private subnet 1 and 3

Difference of private route table and a public route table is that the private route table doesn't have the internet gateway attached to it and the public route table does.

Route tables (2) <a href="#">Info</a>							<a href="#">Refresh</a>	<a href="#">Actions</a>	<a href="#">Create route table</a>
<input type="text" value="Find resources by attribute or tag"/>							<a href="#">&lt;</a> <a href="#">1</a> <a href="#">&gt;</a> <a href="#">Settings</a>		
<input type="checkbox"/>	Name	Route table ID	Explicit subnet associati...	Edge associations	Main	VPC			
<input type="checkbox"/>	-	rtb-0c888fead5935b3be	-	-	Yes	vpc-041036603ad4568e2			
<input type="checkbox"/>	Public Route Table	rtb-0b5975e315c068c6b	2 subnets	-	Yes	vpc-0b3443802a0cc7c3e   Demo VPC			

# Create route table [Info](#)

A route table specifies how packets are forwarded between the subnets within your VPC, the internet, or an Amazon Connect instance.

## Route table settings

Name - *optional*

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

Private Route Table 1

VPC

The VPC to use for this route table.

Select a VPC



vpc-0b3443802a0cc7c3e (Demo VPC)

vpc-041036603ad4568e2

vpc-0b3443802a0cc7c3e (Demo VPC)

rtb-0d442a897af1e151f / Private Route Table 1

Details

Routes

**Subnet associations**

Edge associations

Route propagation

Tags

Explicit subnet associations (0)

Edit subnet associations

Find subnet association

Name



Subnet ID



IPv4 CIDR



IPv6 CIDR



No subnet associations

You do not have any subnet associations.

# Edit subnet associations

Change which subnets are associated with this route table.

## Available subnets (2/6)

Q Filter subnet associations

<input type="checkbox"/>	Name	Subnet ID	IPv4 CIDR
<input type="checkbox"/>	Public Subnet 2	subnet-013e5df49b2580996	10.0.1.0/24
<input checked="" type="checkbox"/>	Private Subnet 1   App Tier	subnet-044e17046721dd28e	10.0.2.0/24
<input type="checkbox"/>	Private Subnet 2   App Tier	subnet-0ad2443b1311fbfed	10.0.3.0/24
<input type="checkbox"/>	Public Subnet 1	subnet-0a661b5026d462dc0	10.0.0.0/24
<input type="checkbox"/>	Private Subnet 4   Database Tier	subnet-0a7cc68e4c47d8a1d	10.0.5.0/24
<input checked="" type="checkbox"/>	Private Subnet 3   Database Tier	subnet-0d0639b4cf1c40432	10.0.4.0/24

Create private route table 2

Associate private route table 1 to private subnet 2 and 4

Route tables (2)

Info

Find resources by attribute or tag

Actions

Create route table

</

## Name - optional

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

Private Route Table 2

## VPC

The VPC to use for this route table.

vpc-0b3443802a0cc7c3e (Demo VPC)

Routes

Subnet associations

Edge associations

Route propagation

Tags

Explicit subnet associations (0)

Find subnet association

Edit subnet associations

Name

Subnet ID

IPv4 CIDR

IPv6 CIDR

No subnet associations

You do not have any subnet associations.

Edit subnet associations

Change which subnets are associated with this route table.

Available subnets (2/6)

Filter subnet associations

Name

Subnet ID

IPv4 CIDR

Public Subnet 2

subnet-013e5df49b2580996

10.0.1.0/24

Private Subnet 1 | App Tier

subnet-044e17046721dd28e

10.0.2.0/24

Private Subnet 2 | App Tier

subnet-0ad2443b1311fbfed

10.0.3.0/24

Public Subnet 1

subnet-0a661b5026d462dc0

10.0.0.0/24

Private Subnet 4 | Database Tier

subnet-0a7cc68e4c47d8a1d

10.0.5.0/24

Private Subnet 3 | Database Tier

subnet-0d0639b4cf1c40432

10.0.4.0/24