

us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#Home:

aws Services Search [Alt+S]

EC2 IAM Billing S3 VPC

VPC dashboard EC2 Global View New Filter by VPC: Select a VPC

Virtual private cloud Your VPCs New Subnets Route tables Internet gateways Egress-only internet gateways Carrier gateways DHCP option sets Elastic IPs Managed prefix lists Endpoints Endpoint services NAT gateways Peering connections Security Network ACLs Security groups DNS firewall

Create VPC Launch EC2 Instances

Note: Your Instances will launch in the US East region.

Resources by Region Refresh Resources

You are using the following Amazon VPC resources

VPCs	US East 1	NAT Gateways	US East 0
Subnets	US East 6	VPC Peering Connections	US East 0
Route Tables	US East 1	Network ACLs	US East 1
Internet Gateways	US East 1	Security Groups	US East 3
Egress-only Internet Gateways	US East 0	Customer Gateways	US East 0
DHCP option sets	US East 1	Virtual Private Gateways	US East 0
Elastic IPs	US East 2	Site-to-Site VPN Connections	US East 0

Service Health

View complete service health details

Settings

Zones Console Experiments

Additional Information

VPC Documentation All VPC Resources Forums Report an Issue

AWS Network Manager

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

Site-to-Site VPN Connections

Amazon VPC enables you to use your own isolated resources within the AWS Cloud, and then connect those resources directly to your own datacenter using industry-standard encrypted IPsec VPN connections.

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us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#CreateVpc:createMode=vpcOnly

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EC2 IAM Billing S3 VPC

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

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.
my-vpc

IPv4 CIDR block Info
 IPv4 CIDR manual input IPAM-allocated IPv4 CIDR block
10.0.0.0/16

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
Default

us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#VpcDetails:VpcId=vpc-0a48a761af00d3db2

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EC2 IAM Billing S3 VPC

You successfully created vpc-0a48a761af00d3db2 / my-vpc

VPC > Your VPCs > vpc-0a48a761af00d3db2

vpc-0a48a761af00d3db2 / my-vpc

Actions

Details Info

VPC ID vpc-0a48a761af00d3db2	State Available	DNS hostnames Disabled	DNS resolution Enabled
Tenancy Default	DHCP option set dopt-0f2a3c750b17d929a	Main route table rtb-078e1bfa3e0336065	Main network ACL acl-0ccc0670479cfed5
Default VPC No	IPv4 CIDR 10.0.0.0/16	IPv6 pool -	IPv6 CIDR (Network border group) -
Network Address Usage metrics Disabled	Route 53 Resolver DNS Firewall rule groups -	Owner ID 825332696934	

Resource map New | CIDRs | Flow logs | Tags

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-078e1bfa3e0336065

Network connections (0) Connections to other networks

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us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#subnets:

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VPC dashboard X

EC2 Global View New

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Subnets (6) Info

Filter subnets

Name	Subnet ID	State	VPC	IPv4 CIDR	IPv6 CIDR	Available
-	subnet-00ab2cb86fe444b01	Available	vpc-0a722477fb8c253aa	172.31.16.0/20	-	4087
-	subnet-098f1bf47e612cc75	Available	vpc-0a722477fb8c253aa	172.31.32.0/20	-	4091
-	subnet-010f77cc5beb0333b	Available	vpc-0a722477fb8c253aa	172.31.48.0/20	-	4091
-	subnet-01d5ec6f0776a32ae	Available	vpc-0a722477fb8c253aa	172.31.80.0/20	-	4088
-	subnet-0edd4b588326aee37	Available	vpc-0a722477fb8c253aa	172.31.64.0/20	-	4091
-	subnet-0239979fc7db65e82	Available	vpc-0a722477fb8c253aa	172.31.0.0/20	-	4091

Select a subnet

Create subnet Info

VPC

VPC ID

Create subnets in this VPC.

Associated VPC CIDRs

IPv4 CIDRs

10.0.0.0/16

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.

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 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.

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](#)



▼ Tags - optional

Key

Value - optional

RemoveAdd new tag

You can add 49 more tags.

Remove

Subnet 2 of 2

Subnet name

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

us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#CreateSubnet:

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You can add 49 more tags.

Remove

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](#)
 [X](#)

Tags - optional

Key Value - optional
 [X](#) [Remove](#)

[Add new tag](#)

You can add 49 more tags.

[Remove](#)

[Add new subnet](#)

[Cancel](#) **Create subnet**



us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#CreateSubnet:

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Add new tag You can add 49 more tags. Remove

Subnet 3 of 3

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
 X

Tags - optional

Key	Value - optional
<input type="text" value="Name"/> X	<input type="text" value="private-1A"/> X Remove

Add new tag You can add 49 more tags. Remove

Add new subnet

us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#CreateSubnet:

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EC2 IAM Billing S3 VPC

Add new tag You can add 49 more tags. Remove

Subnet 4 of 4

Subnet name Create a tag with a key of 'Name' and a value that you specify.
private-1B 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 (N. Virginia) / us-east-1b

IPv4 CIDR block Info 10.0.4.0/24

▼ Tags - optional
Key Value - optional
Name private-1B Remove Add new tag You can add 49 more tags. Remove

Add new subnet

Create subnet

us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#subnets:SubnetId=subnet-0b1de6de3716fd531,subnet-09b972fccad139313,subnet-0f67b70b7f54384a6,subnet-01aa0232874239718

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VPC dashboard EC2 IAM Billing S3 VPC

You have successfully created 4 subnets: subnet-0b1de6de3716fd531, subnet-09b972fccad139313, subnet-0f67b70b7f54384a6, subnet-01aa0232874239718

Subnets (4) Info Actions Create subnet

Filter subnets Subnet ID: subnet-0b1de6de3716fd531 Subnet ID: subnet-09b972fccad139313 Subnet ID: subnet-0f67b70b7f54384a6 Subnet ID: subnet-01aa0232874239718 Clear filters

Name	Subnet ID	State	VPC	IPv4 CIDR	IPv6 CIDR	Available
public-1B	subnet-09b972fccad139313	Available	vpc-0a48a761af00d3db2 my...	10.0.2.0/24	-	251
private-1A	subnet-0f67b70b7f54384a6	Available	vpc-0a48a761af00d3db2 my...	10.0.3.0/24	-	251
private-1B	subnet-01aa0232874239718	Available	vpc-0a48a761af00d3db2 my...	10.0.4.0/24	-	251

Select a subnet

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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*

Name - optional

my route

VPC

The VPC to use for this route table

vnc: 0>48>761>f00d3db3 (my_vnc)

Tags

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 resources in AWS.

Kappa

Value options

1

2010

Add new tag

6

Create route table

us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#RouteTableDetails:RouteTableId=rtb-0efa9d53aafba998e

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DNS firewall CloudShell Feedback Language

Route table rtb-0efa9d53aafba998e | my-route was created successfully.

VPC > Route tables > rtb-0efa9d53aafba998e

rtb-0efa9d53aafba998e / my-route

You can now check network connectivity with Reachability Analyzer

Run Reachability Analyzer

Details Info

Route table ID rtb-0efa9d53aafba998e	Main No	Explicit subnet associations -	Edge associations -
VPC vpc-0a48a761af00d3db2 my-vpc	Owner ID 825332696934		

Routes Subnet associations Edge associations Route propagation Tags

Routes (1)

Edit routes

Filter routes Both < 1 > ⚙️

Destination	Target	Status	Propagated
10.0.0.0/16	local	Active	No

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us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#EditRouteTableSubnetAssociations:RouteTableId=rtb-0efa9d53aafba998e

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EC2 IAM Billing S3 VPC

VPC > Route tables > rtb-0efa9d53aafba998e > Edit subnet associations

Edit subnet associations

Change which subnets are associated with this route table.

Available subnets (4)

<input type="checkbox"/>	Name	Subnet ID	IPv4 CIDR	IPv6 CIDR	Route table ID
<input type="checkbox"/>	public-1B	subnet-09b972fccad139313	10.0.2.0/24	-	Main (rtb-078e1bfa3e0336065)
<input type="checkbox"/>	private-1A	subnet-0f67b70b7f54384a6	10.0.3.0/24	-	Main (rtb-078e1bfa3e0336065)
<input type="checkbox"/>	private-1B	subnet-01aa0232874239718	10.0.4.0/24	-	Main (rtb-078e1bfa3e0336065)
<input type="checkbox"/>	public-1A	subnet-0b1de6de3716fd531	10.0.1.0/24	-	Main (rtb-078e1bfa3e0336065)

us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#EditRouteTableSubnetAssociations:RouteTableId=rtb-0efa9d53aafba998e

aws Services Search [Alt+S]

EC2 IAM Billing S3 VPC

VPC > Route tables > rtb-0efa9d53aafba998e > Edit subnet associations

Edit subnet associations

Change which subnets are associated with this route table.

Available subnets (2/4)

Available subnets (2/4)					
<input type="text"/> Filter subnet associations					
Name	Subnet ID	IPv4 CIDR	IPv6 CIDR	Route table ID	
public-1B	subnet-09b972fccad139313	10.0.2.0/24	-	Main (rtb-078e1bfa3e0336065)	<input type="checkbox"/>
private-1A	subnet-0f67b70b7f54384a6	10.0.3.0/24	-	Main (rtb-078e1bfa3e0336065)	<input checked="" type="checkbox"/>
private-1B	subnet-01aa0232874239718	10.0.4.0/24	-	Main (rtb-078e1bfa3e0336065)	<input checked="" type="checkbox"/>
public-1A	subnet-0b1de6de3716fd531	10.0.1.0/24	-	Main (rtb-078e1bfa3e0336065)	<input type="checkbox"/>

Selected subnets

subnet-0f67b70b7f54384a6 / private-1A X subnet-01aa0232874239718 / private-1B X

Cancel

us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#RouteTableDetails:RouteTableId=rtb-0efa9d53aafba998e

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Filter by VPC: Select a VPC

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CloudShell Feedback Language

You have successfully updated subnet associations for rtb-0efa9d53aafba998e / my-route.

VPC > Route tables > rtb-0efa9d53aafba998e

rtb-0efa9d53aafba998e / my-route

You can now check network connectivity with Reachability Analyzer

Run Reachability Analyzer X

Details Info

Route table ID rtb-0efa9d53aafba998e	Main No	Explicit subnet associations 2 subnets	Edge associations -
VPC vpc-0a48a761af00d3db2 my-vpc	Owner ID 825332696934		

Routes Subnet associations Edge associations Route propagation Tags

Routes (1)

Edit routes

Filter routes Both < 1 > ⚙️

Destination	Target	Status	Propagated
10.0.0.0/16	local	Active	No

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us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#RouteTableDetails:RouteTableId=rtb-0efa9d53aaafba998e

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You have successfully updated subnet associations for rtb-0efa9d53aaafba998e / my-route.

Details Info

Route table ID: rtb-0efa9d53aaafba998e Main: No Explicit subnet associations: 2 subnets Edge associations: -

VPC: my-vpc Owner ID: 825332696934

Routes Subnet associations Edge associations Route propagation Tags

Explicit subnet associations (2)

Name	Subnet ID	IPv4 CIDR	IPv6 CIDR
private-1A	subnet-0f67b70b7f54384a6	10.0.3.0/24	-
private-1B	subnet-01aa0232874239718	10.0.4.0/24	-

Edit subnet associations

Subnets without explicit associations (2)

The following subnets have not been explicitly associated with any route tables and are therefore associated with the main route table:

Name	Subnet ID	IPv4 CIDR	IPv6 CIDR
public-1B	subnet-09b972fccad139313	10.0.2.0/24	-
public-1A	subnet-0b1de6de3716fd531	10.0.1.0/24	-

Edit subnet associations

Create internet gateway Info

An internet gateway is a virtual router that connects a VPC to the internet. To create a new internet gateway specify the name for the gateway below.

Internet gateway settings

Name tag

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

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

 X

Value - optional

 XRemoveAdd new tag

You can add 49 more tags.

CancelCreate internet gateway

us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#AttachInternetGateway:internetGatewayId=igw-0c73aeedafc96adb8

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EC2 IAM Billing S3 VPC

VPC > Internet gateways > Attach to VPC (igw-0c73aeedafc96adb8)

Attach to VPC (igw-0c73aeedafc96adb8) 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.

X

▶ AWS Command Line Interface command

Cancel **Attach internet gateway**

us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#InternetGateway:internetGatewayId=igw-0c73aeedafc96adb8

aws Services Search [Alt+S]

EC2 IAM Billing S3 VPC

VPC dashboard X

Internet gateway igw-0c73aeedafc96adb8 successfully attached to vpc-0a48a761af00d3db2

VPC > Internet gateways > igw-0c73aeedafc96adb8

igw-0c73aeedafc96adb8 / MYIGW

Actions ▾

Details Info

Internet gateway ID igw-0c73aeedafc96adb8	State Attached	VPC ID vpc-0a48a761af00d3db2 my-vpc	Owner 825332696934
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Tags

Manage tags

Key	Value
Name	MYIGW

Search tags

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us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#igws:

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Filter by VPC: Select a VPC

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Internet gateways (1/2) Info

Filter internet gateways

Name	Internet gateway ID	State	VPC ID	Owner
-	igw-06495a6ff0196bcc7	Attached	vpc-0a722477fb8c253aa	825332696934
MYIGW	igw-0c73aeedafc96adb8	Attached	vpc-0a48a761af00d3db2 my-vpc	825332696934

Actions Create internet gateway

igw-0c73aeedafc96adb8 / MYIGW

Details Tags

Details

Internet gateway ID	igw-0c73aeedafc96adb8	State	Attached	VPC ID	vpc-0a48a761af00d3db2 my-vpc	Owner	825332696934
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