

Setting up vpc on aws:-

CreateVpc | VPC Console

eu-west-2.console.aws.amazon.com/vpcconsole/home?region=eu-west-2#CreateVpc:createMode=vpcOnly

Services Search [Alt+S]

London Ritesh Jha

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.

ritvpc-50

IPv4 CIDR block [Info](#)

☒ IPv4 CIDR manual input ☐ IPAM-allocated IPv4 CIDR block

IPv4 CIDR

10.0.0.0/24

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

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

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CreateVpc | VPC Console

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Tenancy [Info](#)

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

Q Name X Q ritvpc-50 X Remove tag

Add tag

You can add 49 more tags

Cancel Create VPC

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vpcs | VPC Console

eu-west-2.console.aws.amazon.com/vpcconsole/home?region=eu-west-2#vpcs:

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VPC dashboard

EC2 Global View

Filter by VPC:

Select a 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

Endpoints

Endpoint services

NAT gateways

Peering connections

Security

Network ACLs

Security groups

Your VPCs (2)

Info

Actions

Create VPC

Search

	Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR	DHCP option set
<input type="checkbox"/>	-	vpc-09c60df88c4675401	Available	172.31.0.0/16	-	dopt-055b8d4ffe
<input type="checkbox"/>	ritvpc-50	vpc-06d53b40a0d131ede	Available	10.0.0.0/24	-	dopt-055b8d4ffe

Select a VPC above

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Creating subnet

CreateSubnet | VPC Console

eu-west-2.console.aws.amazon.com/vpcconsole/home?region=eu-west-2#CreateSubnet:

Services Search [Alt+S]

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VPC > Subnets > Create subnet

Create subnet [Info](#)

VPC
VPC ID
Create subnets in this VPC.
vpc-06d53b40a0d131ede (ritvpc-50)
Associated VPC CIDRs
IPv4 CIDRs
10.0.0.0/24

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.
my-subnet-01
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.

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CreateSubnet | VPC Console

eu-west-2.console.aws.amazon.com/vpcconsole/home?region=eu-west-2#CreateSubnet:

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Subnet name
Create a tag with a key of 'Name' and a value that you specify.
ritsubnet_public
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.
Europe (London) / eu-west-2a
IPv4 VPC CIDR block [Info](#)
Choose the IPv4 VPC CIDR block to create a subnet in.
10.0.0.0/24
IPv4 subnet CIDR block
10.0.0.0/28 16 IPs
▼ Tags - optional
Key Value - optional
Name ritsubnet_public Remove
Add new tag
You can add 49 more tags.
Remove
Add new subnet

Cancel Create subnet

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Creating routing table

RouteTables | VPC Console

eu-west-2.console.aws.amazon.com/vpcconsole/home?region=eu-west-2#RouteTables

Filter by VPC: Select a 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
- Endpoints
- Endpoint services
- NAT gateways
- Peering connections

Security

- Network ACLs
- Security groups

Route tables (2) Info

Find resources by attribute or tag

<input type="checkbox"/>	Name	Route table ID	Explicit subnet associati...	Edge associations	Main	VPC
<input type="checkbox"/>	-	rtb-04c7a9d68bf1346fc	-	-	Yes	vpc-09c60df88c4675401
<input type="checkbox"/>	ritroutingTable50	rtb-074182e00dd898acc	-	-	Yes	vpc-06d53b40a0d131ede ritv...

Select a route table

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InternetGateway | VPC Console

eu-west-2.console.aws.amazon.com/vpcconsole/home?region=eu-west-2#InternetGateway:internetGatewayId=igw-06cc9651b26f5d108

Filter by VPC: Select a VPC

Virtual private cloud

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- Route tables
- Internet gateways**
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- Endpoint services
- NAT gateways
- Peering connections

Security

- Network ACLs
- Security groups

igw-06cc9651b26f5d108 / ritigw_50

Details Info

Internet gateway ID	State	VPC ID	Owner
igw-06cc9651b26f5d108	Detached	-	558054597974

Tags

Search tags

Key	Value
Name	ritigw_50

Actions

- Attach to VPC
- Detach from VPC
- Manage tags**
- Delete

Manage tags

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Creating internet gateway

Create internet gateway | VPC | x

eu-west-2.console.aws.amazon.com/vpcconsole/home?region=eu-west-2#CreateInternetGateway

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London Ritesh Jha

VPC > Internet gateways > Create internet gateway

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.

ritigw_50

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

Value - optional

Q Name X

Q ritigw_50 X

Remove

Add new tag

You can add 49 more tags.

Cancel

Create internet gateway

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Attach internet gateway | VPC | x

eu-west-2.console.aws.amazon.com/vpcconsole/home?region=eu-west-2#AttachInternetGatewayinternetGatewayId=igw-06cc9651b26f5d108

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VPC > Internet gateways > Attach to VPC (igw-06cc9651b26f5d108)

Attach to VPC (igw-06cc9651b26f5d108) [Info](#)

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

VPC

Available VPCs

Attach the internet gateway to this VPC.

Q vpc-06d53b40a0d131ede X

AWS Command Line Interface command

Cancel

Attach internet gateway

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