

# SNAPSHOTS

aws

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Asia Pacific (Mumbai)

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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

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.

Project-A

IPv4 CIDR block

Info

☒ IPv4 CIDR manual input

☐ IPAM-allocated IPv4 CIDR block

IPv4 CIDR

10.0.0.0/16

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

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

Q Name

X

Value - optional

Q Project-A

X

Remove tag

Add tag

You can add 49 more tags

Cancel

Preview code

Create VPC

# SNAPSHOTS

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VPC > Subnets > Create subnet

**VPC**  
**VPC ID**  
Create subnets in this VPC.  
vpc-0ba0dae1b7093b184 (Project-A)

**Associated VPC CIDRs**  
**IPv4 CIDRs**  
10.0.0/16

**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.  
Public Subnet - Project-A  
The name can be up to 256 characters long.

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VPC > Subnets > Create subnet

**Availability Zone** [Info](#)  
Choose the zone in which your subnet will reside, or let Amazon choose one for you.  
Asia Pacific (Mumbai) / ap-south-1a

**IPv4 VPC CIDR block** [Info](#)  
Choose the VPC's IPv4 CIDR block for the subnet. The subnet's IPv4 CIDR must lie within this block.  
10.0.0/16

**IPv4 subnet CIDR block**  
10.0.1.0/24 256 IPs  
< > ^ v

**Tags - optional**  

Key	Value - optional	
Q Name	Q Public Subnet - Project-A	Remove

[Add new tag](#)  
You can add 49 more tags.  
[Remove](#)

[Add new subnet](#)

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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.

### 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
<input type="text" value="Name"/>	<input type="text" value="IGW-Project-A"/>

[Add new tag](#)

You can add 49 more tags.

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

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VPC > Internet gateways > Attach to VPC (igw-08447a0c541aa43bd)

## Attach to VPC (igw-08447a0c541aa43bd) [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.

Use: "vpc-0ba0dae1b7093b184"

vpc-0ba0dae1b7093b184 - Project-A

vpc-0ba0dae1b7093b184 - Project-A

vpc-0ba0dae1b7093b184 - Project-A

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

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VPC > Internet gateways > igw-08447a0c541aa43bd

VPC dashboard <

EC2 Global View

Filter by VPC

Virtual private cloud

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Subnets

Route tables

Internet gateways

Egress-only internet gateways

DHCP option sets

Elastic IPs

Managed prefix lists

NAT gateways

Peering connections

Security

### Internet gateways (1/2) [Info](#)

Name	Internet gateway ID	State
-	igw-01e0fa9c3fb1030ef	Attached
<input checked="" type="checkbox"/> IGW-Project-A	igw-08447a0c541aa43bd	Detached

igw-08447a0c541aa43bd / IGW-Project-A

[Details](#) [Tags](#)

**Details**

Internet gateway ID

igw-08447a0c541aa43bd

State

Detached

VPC ID

-

Owner

528757792997

Actions

Create internet gateway

View details

Attach to VPC

Detach from VPC

Manage tags

Delete internet gateway

Internet gateway igw-08447a0c541aa43bd successfully attached to vpc-0ba0dae1b7093b184

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VPC

>

Route tables

>

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**

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

Public RT-Project-A

**VPC**

The VPC to use for this route table.

vpc-0ba0dae1b7093b184 (Project-A)

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**

Q Name

X

**Value - optional**

Q Public RT-Project-A

X

Remove

Add new tag

You can add 49 more tags.

Cancel

Create route table

VPC

>

Route tables

>

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**

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

Private RT-Project-A

**VPC**

The VPC to use for this route table.

vpc-0ba0dae1b7093b184 (Project-A)

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**

Q Name

X

**Value - optional**

Q Private RT-Project-A

X

Remove

Add new tag

You can add 49 more tags.

Cancel

Create route table

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VPC dashboard

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Route tables

Internet gateways

Egress-only internet gateways

DHCP option sets

Elastic IPs

Managed prefix lists

NAT gateways

Peering connections

Security

Network ACLs

Route table rtb-0fd73c131d915bbe3 | Private RT-Project-A was created successfully.

Route tables (1/4)

Find resources by attribute or tag

	Name	Route table ID	Explicit subnet associ...	Edge associations	Main
<input type="checkbox"/>	-	rtb-0709c213d3111441b	-	-	Yes
<input checked="" type="checkbox"/>	Public RT-Project-A	rtb-065dbce952ff8c4a4	-	-	No
<input type="checkbox"/>	-	rtb-0669db65afdf0779e	-	-	Yes
<input type="checkbox"/>	Private RT-Project-A	rtb-0fd73c131d915bbe3	-	-	No

rtb-065dbce952ff8c4a4 / Public RT-Project-A

DetailsRoutesSubnet associationsEdge associationsRoute propagationTags

Explicit subnet associations (0)

Find subnet association

Name	Subnet ID	IPv4 CIDR	IPv6 CIDR
------	-----------	-----------	-----------

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VPC

Route tables

rtb-065dbce952ff8c4a4

Edit subnet associations

## Edit subnet associations

Change which subnets are associated with this route table.

Available subnets (1/2)

Filter subnet associations

	Name	Subnet ID	IPv4 CIDR	IPv6 CIDR	Route table ID
<input checked="" type="checkbox"/>	Public Subnet - Project-A	subnet-08398296dd639023f	10.0.1.0/24	-	Main (rtb-0669db65afdf0779e)
<input type="checkbox"/>	Private Subnet - Project-A	subnet-09234069960fc2b9f	10.0.2.0/24	-	Main (rtb-0669db65afdf0779e)

Selected subnets

subnet-08398296dd639023f / Public Subnet - Project-A

CancelSave associations

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VPC

Route tables

rtb-065dbce952ff8c4a4

Edit routes

## Edit routes

Destination

10.0.0.0/16

Target

local

Status

Active

Propagated

No

Add route

CancelPreviewSave changes

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VPC > Route tables > rtb-065dbce952ff8c4a4 > Edit routes

### Edit routes

Destination	Target	Status	Propagated
10.0.0.0/16	local	Active	No
0.0.0.0/0	Internet Gateway	-	No

Use: "igw-08447a0c541aa43bd"

igw-08447a0c541aa43bd (IGW-Project-A)

Add route

Cancel Preview Save changes

aws

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VPC > Security Groups > Create security group

### Create security group

A security group acts as a virtual firewall for your instance to control inbound and outbound traffic. To create a new security group, complete the fields below.

#### Basic details

Security group name

Public SG-Project-A

Name cannot be edited after creation.

Description

Allows public routes

VPC

vpc-0ba0dae1b7093b184 (Project-A)

#### Inbound rules

This security group has no inbound rules.

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VPC > Route tables > rtb-065dbce952ff8c4a4

VPC dashboard

EC2 Global View

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Your VPCs

Subnets

### Security Groups (1/24)

Find resources by attribute or tag

Name	Security group ID	Security group name	VPC ID
-	sg-08503031020da0c20	launch-wizard-0	vpc-0201249073144a2
-	sg-047a50825f5b59b8c	launch-wizard-9	vpc-0501346073144a2
-	sg-08113a0d6d91bbb38	launch-wizard-19	vpc-0501346073144a2
Public SG-Project-A	sg-0418ad3cd2c28feaa	Public SG-Project-A	vpc-0ba0dae1b7093b1

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VPC > Security Groups > Create security group

### Create security group

A security group acts as a virtual firewall for your instance to control inbound and outbound traffic. To create a new security group, complete the fields below.

#### Basic details

Security group name

Private SG-Project-A

Name cannot be edited after creation.

Description

Private SG-Project-A

VPC

vpc-0ba0dae1b7093b184 (Project-A)

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VPC > Security Groups > Create security group

Inbound rules

Info

Type

Info

Protocol

Info

Port range

Info

Source

Info

Description - optional

Info

All TCP

TCP

0 - 65535

Cu...

Delete

Add rule

Outbound rules

Info

Type

Info

Protocol

Info

Port range

Info

Destination

Info

Cu...

Delete

Add rule

Security Groups

default | sg-0c04bf0ce3299b445

Public SG-Project-A | sg-0418ad3cd2c28feaa

Public SG-Project-A | sg-0418ad3cd2c28feaa

Prefix lists

com.amazonaws.ap-south-1.ipv6.vpc-lattice | pl-0081dd30a0b7c6e7a

com.amazonaws.global.groundstation | pl-0419ec9f6f614c525

com.amazonaws.ap-south-1.vpc-lattice | pl-

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EC2 > Instances > Launch an instance

Name and tags

Info

Name

Public-Project-A

Add additional tags

Application and OS Images (Amazon Machine Image)

Info

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

Search our full catalog including 1000s of application and OS images

Recents

Quick Start

Amazon Linux

macOS

Ubuntu

Windows

Red Hat

SUSE Linux

Browse more AMIs

Including AMIs from AWS, Marketplace and the Community

Summary

Number of instances

Info

1

Software Image (AMI)

Amazon Linux 2 Kernel 5.10 AMI...read more

ami-080b1a55a0ad28c02

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 8 GiB

Cancel

Launch Instance

Preview code

aws

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EC2 > Instances > Launch an instance

VPC - required

Info

vpc-0ba0dae1b7093b184 (Project-A)

10.0.0.0/16

Subnet

Info

subnet-08398296dd639023f

Public Subnet - Project-A

VPC: vpc-0ba0dae1b7093b184

Owner: 528757792997

Availability Zone: ap-south-1a

Zone type: Availability Zone

IP addresses available: 251

CIDR: 10.0.1.0/24

Create new subnet

Auto-assign public IP

Info

Enable

Additional charges apply when outside of free tier allowance

Firewall (security groups)

Info

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

Create security group

Select existing security group

Common security groups

Info

Select security groups

Public SG-Project-A sg-0418ad3cd2c28feaa

VPC: vpc-0ba0dae1b7093b184

Compare security group rules

Security groups that you add or remove here will be added to or removed from all your network interfaces.

Summary

Number of instances

Info

1

Software Image (AMI)

Amazon Linux 2 Kernel 5.10 AMI...read more

ami-080b1a55a0ad28c02

Virtual server type (instance type)

t2.micro

Firewall (security group)

Public SG-Project-A

Storage (volumes)

1 volume(s) - 8 GiB

Cancel

Launch instance

Preview code

# SNAPSHOTS

EC2 > Instances > Launch an instance

VPC - required Info

vpc-0ba0dae1b7093b184 (Project-A)  
10.0.0.0/16

Subnet Info

subnet-09234069960fc2b9f Private Subnet - Project-A  
VPC: vpc-0ba0dae1b7093b184 Owner: 528757792997  
Availability Zone: ap-south-1b Zone type: Availability Zone  
IP addresses available: 251 CIDR: 10.0.2.0/24

Create new subnet

Auto-assign public IP Info

Disable

Firewall (security groups) Info

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

Create security group

Select existing security group

Common security groups Info

Select security groups

Private SG-Project-A sg-02e0cd2ba75c5634b  
VPC: vpc-0ba0dae1b7093b184

Compare security group rules

Security groups that you add or remove here will be added to or removed from all your network interfaces.

Summary

Number of instances Info  
1

Software Image (AMI)  
Amazon Linux 2 Kernel 5.10 AMI...read more  
ami-080b1a55a0ad28c02

Virtual server type (instance type)  
t2.micro

Firewall (security group)  
Private SG-Project-A

Storage (volumes)  
1 volume(s) - 8 GiB

Cancel

Launch instance

Preview code

PuTTY Configuration

Category:

Session

Logging

Terminal

Keyboard

Bell

Features

Window

Appearance

Behaviour

Translation

Selection

Colours

Connection

Data

Proxy

SSH

Serial

Telnet

Rlogin

SUPDUP

Basic options for your PuTTY session

Specify the destination you want to connect to

Host Name (or IP address) Port  
13.127.160.107 22

Connection type:  
☒ SSH ☐ Serial ☐ Other: Telnet

Load, save or delete a stored session

Saved Sessions

Default Settings

Load Save Delete

Close window on exit:  
☐ Always ☐ Never ☒ Only on clean exit

About

Open

Cancel





# SNAPSHOTS

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VPC > NAT gateways > Create NAT gateway

✓ Elastic IP address 35.154.50.152 (eipalloc-09c8e4cf4aec5a33) allocated.

☒ Public  
☐ Private

Elastic IP allocation ID [Info](#)  
Assign an Elastic IP address to the NAT gateway.  
eipalloc-09c8e4cf4aec5a33 [Allocate Elastic IP](#)

► Additional settings [Info](#)

**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 NAT-Project-A [Remove](#)

[Add new tag](#)  
You can add 49 more tags.

[Cancel](#) [Create NAT gateway](#)

**Amazon Q** Free Tier >

Hello! I'm Amazon Q, your AWS generative AI assistant.

Chatting about your resources  
Understanding your costs  
Analyzing network troubleshooting

Ask me anything about AWS

Max 1000 characters  
Amazon Q Developer uses generative AI. You may need to verify responses. See the [AWS Responsible AI Policy](#).

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VPC > Route tables > rtb-0fd73c131d915bbe3 > Edit routes

**Edit routes**

Destination	Target	Status	Propagated
10.0.0.0/16	local	Active	No
0.0.0.0/0	NAT Gateway	-	No

[Add route](#) [Remove](#)

[Cancel](#) [Preview](#) [Save changes](#)

**Amazon Q** Free Tier >

Hello! I'm Amazon Q, your AWS generative AI assistant.

Chatting about your resources  
Understanding your costs  
Analyzing network troubleshooting

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IAM > Security credentials > Create access key

✓ Access key created  
This is the only time that the secret access key can be viewed or downloaded. You cannot recover it later. However, you can create a new access key any time.

Step 2  
Retrieve access key

**Access key**  
If you lose or forget your secret access key, you cannot retrieve it. Instead, create a new access key and make the old key inactive.

Access key Secret access key  
AKIAXWHDLUDS46JUCTFA \*\*\*\*\* [Show](#)

**Access key best practices**

- Never store your access key in plain text, in a code repository, or in code.
- Disable or delete access key when no longer needed.
- Enable least-privilege permissions.
- Rotate access keys regularly.

For more details about managing access keys, see the [best practices for managing AWS access keys](#).

[Download profile](#) [Download](#)

# SNAPSHOTS

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\NivGokDhiv> session-manager-plugin

The Session Manager plugin was installed successfully. Use the AWS CLI to start a session.

PS C:\Users\NivGokDhiv> aws ssm start-session --target i-0857444c77ad6eb84 --region ap-south-1

Starting session with SessionId: root-uc2v2dqz9set8bn7gzfxulgrg4
sh-4.2$ ping google.com
PING google.com (142.250.183.206) 56(84) bytes of data.
64 bytes from bom07s33-in-f14.1e100.net (142.250.183.206): icmp_seq=1 ttl=57 time=2.55 ms
64 bytes from bom07s33-in-f14.1e100.net (142.250.183.206): icmp_seq=2 ttl=57 time=2.45 ms
64 bytes from bom07s33-in-f14.1e100.net (142.250.183.206): icmp_seq=3 ttl=57 time=2.38 ms
64 bytes from bom07s33-in-f14.1e100.net (142.250.183.206): icmp_seq=4 ttl=57 time=2.22 ms
^C
--- google.com ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 3004ms
rtt min/avg/max/mdev = 2.225/2.403/2.551/0.119 ms
```

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