

PROJECT



CREATE VPC:

IPV4 CIDR: 30.0.0.0/16

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-01

IPv4 CIDR block [Info](#)

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

IPv4 CIDR

30.0.0.0/16

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

You successfully created vpc-0aaeab94506ae58ab / my-vpc-01

X

CREATE SUBNET: 1

NAME: public-subnet-1

IPV4: 30.0.0.0/24

Create subnet [Info](#)

VPC

VPC ID

Create subnets in this VPC.

vpc-0aaeab94506ae58ab (my-vpc-01)

▼

Associated VPC CIDRs

IPv4 CIDRs

30.0.0.0/16

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 VPC CIDR block Info

Choose the VPC's IPv4 CIDR block for the subnet. The subnet's IPv4 CIDR must lie within this block.

IPv4 subnet CIDR block

256 IPs

⌚ You have successfully created 1 subnet: subnet-01888b49138cad19f

Subnets (1) Info

Subnets (1) <small>Info</small>						
<input type="text"/> Find resources by attribute or tag		<input type="button" value="Clear filters"/>		<input type="button" value="Actions"/> <input type="button" value="Create subnet"/>		
<input type="checkbox"/>	Name	Subnet ID	State	VPC	IPv4 CIDR	
<input type="checkbox"/>	public-subnet-1	subnet-01888b49138cad19f	Available	vpc-0aaeab94506ae58ab my-...	30.0.0.0/24	

CREATE SUBNET: 2

NAME: publice-subnet-2

IPV4: 30.0.30.0/24

Create subnet Info

VPC

VPC ID

Create subnets in this VPC.

Associated VPC CIDRs

IPv4 CIDRs

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 VPC CIDR block [Info](#)

Choose the VPC's IPv4 CIDR block for the subnet. The subnet's IPv4 CIDR must lie within this block.



IPv4 subnet CIDR block

256 IPs

Subnets (1) Info						
<input type="button" value="C"/> Actions ▼ Create subnet						
<input type="text" value="Subnet ID : subnet-004cfac61c3e0ac8"/> X <input type="button" value="Clear filters"/>						
Name	Subnet ID	State	VPC	IPv4 CIDR		
public-subnet-2	subnet-004cfac61c3e0ac8	Available	vpc-0aaeab94506ae58ab my-	30.0.30.0/24		

CREATE SUBNET: 03

NAME: private-subnet-1

IPV4: 30.0.31.0/24

Create subnet [Info](#)

VPC		
VPC ID Create subnets in this VPC. <input type="text" value="vpc-0aaeab94506ae58ab (my-vpc-01)"/>		
Associated VPC CIDRs <table border="1"> <tr> <td>IPv4 CIDRs</td> <td>30.0.0.0/16</td> </tr> </table>	IPv4 CIDRs	30.0.0.0/16
IPv4 CIDRs	30.0.0.0/16	

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 VPC CIDR block [Info](#)

Choose the VPC's IPv4 CIDR block for the subnet. The subnet's IPv4 CIDR must lie within this block.



IPv4 subnet CIDR block

256 IPs

⌚ You have successfully created 1 subnet: subnet-0d030917db08b0320

Subnets (1) Info					
<input type="text" value="Find resources by attribute or tag"/> Actions Create subnet					
<input type="text" value="Subnet ID : subnet-0d030917db08b0320"/> X Clear filters					
<input type="checkbox"/>	Name	Subnet ID	State	VPC	IPv4 CIDR
<input type="checkbox"/>	private-subnet-1	subnet-0d030917db08b0320	Available	vpc-0aaeab94506ae58ab my...	30.0.31.0/24

CREATE SUBNET: 04

NAME: private-subnet-2

IPV4: 30.0.32.0/24

Create subnet [Info](#)

VPC

VPC ID

Create subnets in this VPC.

Associated VPC CIDRs

IPv4 CIDRs

30.0.0.0/16

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 VPC CIDR block [Info](#)

Choose the VPC's IPv4 CIDR block for the subnet. The subnet's IPv4 CIDR must lie within this block.



IPv4 subnet CIDR block

256 IPs

Subnets (1) Info					
<input type="button" value="C"/> Actions ▼ Create subnet					
<input type="button" value="Find resources by attribute or tag"/>					
<input type="checkbox"/> Name					
<input type="checkbox"/>	Name	Subnet ID	State	VPC	IPv4 CIDR
<input type="checkbox"/>	private-subnet-2	subnet-07161977e84caaa69	Available	vpc-0aaeab94506ae58ab my-	30.0.32.0/24

CREATE SUBNET: 05

NAME: private-subnet-RDS1

IPV4: 30.0.33.0/24

Create subnet [Info](#)

VPC		
<p>VPC ID Create subnets in this VPC.</p> <input type="text" value="vpc-0aaeab94506ae58ab (my-vpc-01)"/>		
<p>Associated VPC CIDRs</p> <table border="1"><thead><tr><th>IPv4 CIDRs</th></tr></thead><tbody><tr><td>30.0.0.0/16</td></tr></tbody></table>	IPv4 CIDRs	30.0.0.0/16
IPv4 CIDRs		
30.0.0.0/16		

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 VPC CIDR block [Info](#)

Choose the VPC's IPv4 CIDR block for the subnet. The subnet's IPv4 CIDR must lie within this block.

IPv4 subnet CIDR block

256 IPs

You have successfully created 1 subnet: subnet-Obbe90324890ab516					
Subnets (1) Info					
<input type="button" value="C"/> Actions ▼ Create subnet					
<input type="button" value="Find resources by attribute or tag"/>					
<input type="checkbox"/> Subnet ID : subnet-Obbe90324890ab516 X	<input type="button" value="Clear filters"/>	Subnet ID	State	VPC	IPv4 CIDR
<input type="checkbox"/> private-subnet-RDS1		subnet-Obbe90324890ab516	Available	vpc-Oaaeab94506ae58ab my-...	30.0.33.0/24

CREATE SUBNET: 06

NAME: private-subnet-RDS2

IPV4:30.0.34.0/24

Create subnet [Info](#)

VPC

VPC ID

Create subnets in this VPC.

Associated VPC CIDRs

IPv4 CIDRs

30.0.0.0/16

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 VPC CIDR block Info

Choose the VPC's IPv4 CIDR block for the subnet. The subnet's IPv4 CIDR must lie within this block.

IPv4 subnet CIDR block

256 IPs

Subnets (1) <small>Info</small>						
<small>Find resources by attribute or tag</small>						
<small>Subnet ID : subnet-00b7e09dd901ccab3</small>						
<input type="checkbox"/>	Name	Subnet ID	State	VPC	IPv4 CIDR	IPv6 CIDR
<input type="checkbox"/>	private-subnet-RDS2	subnet-00b7e09dd901ccab3	Available	vpc-0aaeab94506ae58ab my...	30.0.34.0/24	-

Subnets (12) <small>Info</small>						
<small>Find resources by attribute or tag</small>						
<input type="checkbox"/>	Name	Subnet ID	State	VPC	IPv4 CIDR	IPv6 CIDR
<input type="checkbox"/>	public-subnet-1	subnet-0188b4913cad19f	Available	vpc-0aaeab94506ae58ab my...	30.0.0.0/24	-
<input type="checkbox"/>	public-subnet-2	subnet-004cfac61c3e0ac8	Available	vpc-0aaeab94506ae58ab my...	30.0.30.0/24	-
<input type="checkbox"/>	private-subnet-1	subnet-0d030917db08b0320	Available	vpc-0aaeab94506ae58ab my...	30.0.31.0/24	-
<input type="checkbox"/>	private-subnet-2	subnet-07161977e84caa69	Available	vpc-0aaeab94506ae58ab my...	30.0.32.0/24	-
<input type="checkbox"/>	private-subnet-RDS1	subnet-0bbe90324890ab516	Available	vpc-0aaeab94506ae58ab my...	30.0.33.0/24	-
<input type="checkbox"/>	private-subnet-RDS2	subnet-00b7e09dd901ccab3	Available	vpc-0aaeab94506ae58ab my...	30.0.34.0/24	-

CREATE INTERNET GATEWAY AND ATTACH TO VPC:

NAME: IGW-1

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

RemoveAdd new tag

You can add 49 more tags.

CancelCreate internet gateway

The following internet gateway was created: igw-0804d9b3e107594b4 - IGW-1. You can now attach to a VPC to enable the VPC to communicate with the internet. Attach to a VPC X

VPC > Internet gateways > igw-0804d9b3e107594b4

igw-0804d9b3e107594b4 / IGW-1

Actions ▾

Details		Info	
Internet gateway ID	igw-0804d9b3e107594b4	State	Detached
VPC ID	-	Owner	918694989556

Internet gateways (1/2) <small>Info</small>					<input type="button" value="Create internet gateway"/>
<input type="text" value="Search"/>					<input type="button" value="Actions ▾"/>
Name	Internet gateway ID	State	VPC ID		
-	igw-0089955e81313a033	Attached	vpc-017a8b	<input type="button" value="View details"/>	<input type="button" value="Edit"/>
IGW-1	igw-0804d9b3e107594b4	Detached	-	<input type="button" value="Attach to VPC"/>	<input type="button" value="Owner 918694989556"/>

Attach to VPC (igw-0804d9b3e107594b4) [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.



▶ AWS Command Line Interface command

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

⌚ Internet gateway igw-0804d9b3e107594b4 successfully attached to vpc-0aaeab94506ae58ab



[VPC](#) > [Internet gateways](#) > igw-0804d9b3e107594b4

igw-0804d9b3e107594b4 / IGW-1

[Actions ▾](#)[Details](#) [Info](#)

Internet gateway ID

State
 Attached

VPC ID

Owner

CREATE NAT GATEWAY

NAME: NGW-1

Create NAT gateway [Info](#)

A highly available, managed Network Address Translation (NAT) service that instances in private subnets can use to connect to services in other VPCs, on-premises networks, or the internet.

NAT gateway settings

Name - optional

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

The name can be up to 256 characters long.

Subnet

Select a subnet in which to create the NAT gateway.



Connectivity type

Select a connectivity type for the NAT gateway.

- Public
- Private

nat-01ef25c1a8d1b4ddf / NGW-1			
Actions ▾			
Details			
NAT gateway ID nat-01ef25c1a8d1b4ddf	Connectivity type Private	State Pending	State message Info -
NAT gateway ARN arn:aws:ec2:us-east-1:918694989556:natgateway/nat-01ef25c1a8d1b4ddf	Primary public IPv4 address -	Primary private IPv4 address -	Primary network interface ID -
VPC vpc-0aaeab94506ae58ab / my-vpc-01	Subnet subnet-0d030917db08b0320 / private-subnet-1	Created Monday, April 22, 2024 at 17:10:42 GMT+5:30	Deleted -

CREATE ROUTE TABLE: 01

NAME: **public-route**

Create route table [Info](#)

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.

VPC
The VPC to use for this route table.

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 - <i>optional</i>
<input type="text" value="Name"/>	<input type="text" value="public-route"/> X Remove
Add new tag	

rtb-077c42a908b00f73d / public-route			
Actions ▾			
Details Info			
Route table ID rtb-077c42a908b00f73d	Main <input checked="" type="checkbox"/> No	Explicit subnet associations -	Edge associations -
VPC vpc-0aaeab94506ae58ab my-vpc-01	Owner ID 918694989556		

Here I edit the public route and attach internet gateway

Route tables (1/3) [Info](#)

Name	Route table ID	Explicit subnet associations	Edge associations
-	rtb-0abbefda3790fecbf	-	-
-	rtb-051968c25e7a3004b	-	-
<input checked="" type="checkbox"/> public-route	rtb-077c42a908b00f73d	-	-

Actions ▾ [Create route table](#)

- [View details](#)
- [Set main route table](#)
- [Edit subnet associations](#)
- [Edit edge associations](#)
- [Edit route propagation](#)
- [Edit routes](#)
- [Manage tags](#)
- [Delete route table](#)

Edit routes

Destination	Target	Status	Propagated
30.0.0.0/16	local	Active	No
0.0.0.0/0	Internet Gateway	-	No
	igw-0804d9b3e107594bd		Remove

[Add route](#)

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

⌚ Updated routes for rtb-077c42a908b00f73d / public-route successfully ✖

▶ Details

EDIT THE SUBNET ASSOCIATIONS AND ATTACH THE TWO PUBLIC SUBNETS TO PUBLIC ROUTE TABLE

Route tables (1/3) [Info](#)

Name	Route table ID	Explicit subnet associations	Edge associations
-	rtb-0abbefda3790fecbf	-	-
-	rtb-051968c25e7a3004b	-	-
<input checked="" type="checkbox"/> public-route	rtb-077c42a908b00f73d	-	-

Actions ▾ [Create route table](#)

- [View details](#)
- [Set main route table](#)
- [Edit subnet associations](#)
- [Edit edge associations](#)
- [Edit route propagation](#)
- [Edit routes](#)
- [Manage tags](#)
- [Delete route table](#)

Edit subnet associations

Change which subnets are associated with this route table.

Available subnets (2/6)					
Name	Subnet ID	IPv4 CIDR	IPv6 CIDR	Route table ID	
<input checked="" type="checkbox"/> public-subnet-1	subnet-01888b49138cad19f	30.0.0.0/24	-	Main (rtb-051968c25e7a3004b)	
<input checked="" type="checkbox"/> public-subnet-2	subnet-004cfac61c3e0ac8	30.0.30.0/24	*	Main (rtb-051968c25e7a3004b)	
<input type="checkbox"/> private-subnet-1	subnet-0d030917db08b0320	30.0.31.0/24	-	Main (rtb-051968c25e7a3004b)	
<input type="checkbox"/> private-subnet-2	subnet-07161977e84caaa69	30.0.32.0/24	-	Main (rtb-051968c25e7a3004b)	
<input type="checkbox"/> private-subnet-RDS1	subnet-0bbe90324890ab516	30.0.33.0/24	-	Main (rtb-051968c25e7a3004b)	
<input type="checkbox"/> private-subnet-RDS2	subnet-00b7e09dd901ccab3	30.0.34.0/24	-	Main (rtb-051968c25e7a3004b)	

Selected subnets

[subnet-01888b49138cad19f / public-subnet-1](#) [X](#) [subnet-004cfac61c3e0ac8 / public-subnet-2](#) [X](#)

[Cancel](#) [Save associations](#)

You have successfully updated subnet associations for rtb-077c42a908b00f73d / public-route.

Route tables (1/3) Info					
Name	Route table ID	Explicit subnet associ...	Edge associations	Main	VPC
<input type="checkbox"/> -	rtb-0abbcfda3790fecbf	-	-	Yes	vpc-017a8b8cb3e288760
<input type="checkbox"/> -	rtb-051968c25e7a3004b	-	-	Yes	vpc-0aaeab94506ae58ab
<input checked="" type="checkbox"/> public-route	rtb-077c42a908b00f73d	2 subnets	-	No	vpc-0aaeab94506ae58ab

NOW CREATE THE PRIVATE ROUTE TABLE:

NAME: private-route

Create route table [Info](#)

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.

VPC
The VPC to use for this route table.

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
<input type="text" value="Name"/>	<input type="text" value="private-route"/>
Remove	
Add new tag	

Route table rtb-0180956d5df8eeaba | private-route was created successfully.

VPC > Route tables > rtb-0180956d5df8eeaba

rtb-0180956d5df8eeaba / private-route

Actions ▾

Details		Info	
Route table ID rtb-0180956d5df8eeaba	Main No	Explicit subnet associations -	Edge associations -
VPC vpc-0aaeab94506ae58ab my-vpc-01	Owner ID 918694989556		

HERE I EDIT SUBNET ASSOCIATION AND ATTACH FOUR PRIVATE SUBNETS TO THE PRIVATE ROUTE TABLE

Route tables (1/4) Info

Find resources by attribute or tag

Name	Route table ID	Explicit subnet associations	Edge associations
-	rtb-0abbefda3790fecbf	-	-
-	rtb-051968c25e7a3004b	-	-
public-route	rtb-077c42a908b00f73d	2 subnets	-
private-route	rtb-0180956d5df8eeaba	-	-

Actions ▾ Create route table

- View details
- Set main route table
- Edit subnet associations** 8cb3e288760
- Edit edge associations 94506ae58ab |
- Edit route propagation 94506ae58ab |
- Edit routes 94506ae58ab |
- Manage tags 94506ae58ab |

Edit subnet associations

Change which subnets are associated with this route table.

Available subnets (4/6)

Name	Subnet ID	IPv4 CIDR	IPv6 CIDR	Route table ID
public-subnet-1	subnet-01888b49138cad19f	30.0.0.0/24	-	rtb-077c42a908b00f73d / public-route
public-subnet-2	subnet-004cfacfe61c3e0ac8	30.0.30.0/24	-	rtb-077c42a908b00f73d / public-route
private-subnet-1	subnet-0d030917db08b0320	30.0.31.0/24	-	Main (rtb-051968c25e7a3004b)
private-subnet-2	subnet-07161977e84caaa69	30.0.32.0/24	-	Main (rtb-051968c25e7a3004b)
private-subnet-RDS1	subnet-0bbe90324890ab516	30.0.33.0/24	-	Main (rtb-051968c25e7a3004b)
private-subnet-RDS2	subnet-00b7e09dd901ccab3	30.0.34.0/24	-	Main (rtb-051968c25e7a3004b)

Selected subnets

subnet-0d030917db08b0320 / private-subnet-1 X subnet-07161977e84caaa69 / private-subnet-2 X subnet-0bbe90324890ab516 / private-subnet-RDS1 X subnet-00b7e09dd901ccab3 / private-subnet-RDS2 X

Cancel Save associations

You have successfully updated subnet associations for rtb-0180956d5df8eeaba / private-route.

Route tables (1/4) Info

Find resources by attribute or tag

Name	Route table ID	Explicit subnet associations	Edge associations	Main	VPC
-	rtb-0abbefda3790fecbf	-	-	Yes	vpc-017a8b8cb3e288760
-	rtb-051968c25e7a3004b	-	-	Yes	vpc-0aaeab94506ae58ab
public-route	rtb-077c42a908b00f73d	2 subnets	-	No	vpc-0aaeab94506ae58ab
private-route	rtb-0180956d5df8eeaba	4 subnets	*	No	vpc-0aaeab94506ae58ab

NOW EDIT THE PRIVATE ROUTE TABLE AND ATTACH NAT GATEWAY

Route tables (1/4) [Info](#)

Name	Route table ID	Explicit subnet associations	Edge associations	Actions
-	rtb-0abbcfda3790fecbf	-	-	View details Set main route table Edit subnet associations Edit edge associations Edit route propagation Edit routes Manage tags Delete route table
-	rtb-051968c25e7a3004b	-	-	8cb3e288760 94506ae58ab
public-route	rtb-077c42a908b00f73d	2 subnets	-	94506ae58ab
<input checked="" type="checkbox"/> private-route	rtb-0180956d5df8eeaba	4 subnets	-	94506ae58ab

Edit routes

Destination	Target	Status	Propagated
30.0.0.0/16	local	<input checked="" type="radio"/> Active	No
0.0.0.0/0	NAT Gateway	-	No
	<input type="text"/> nat-01ef25c1a8d1b4ddf		Remove

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

⌚ Updated routes for rtb-0180956d5df8eeaba / private-route successfully

▶ Details

[VPC](#) > [Route tables](#) > [rtb-0180956d5df8eeaba](#)

rtb-0180956d5df8eeaba / private-route [Actions](#)

Details Info			
Route table ID rtb-0180956d5df8eeaba	Main <input type="checkbox"/> No	Explicit subnet associations 4 subnets	Edge associations -
VPC vpc-0aaeab94506ae58ab my-vpc-01	Owner ID 918694989556		

HERE I GO TO ACTION AND EDIT SUBNET SETTINGS TO ENABLE AUTO ASSIGN PUBLIC IPV4 ADDRESS

Subnets (1/12) [Info](#)

Name	Subnet ID	State	VPC	Actions
-	subnet-06effd87207bd7c95	<input checked="" type="radio"/> Available	vpc-017a8b8cb3e288760	View details Create flow log Edit subnet settings Edit IPv6 CIDRs Edit network ACL association Edit route table association Edit CIDR reservations
-	subnet-00a7824704d2541fd	<input checked="" type="radio"/> Available	vpc-017a8b8cb3e288760	
<input checked="" type="checkbox"/> public-subnet-1	subnet-01888b49138cad19f	<input checked="" type="radio"/> Available	vpc-0aaeab94506ae58ab my-vpc-01	
public-subnet-2	subnet-004cface61c3e0ac8	<input checked="" type="radio"/> Available	vpc-0aaeab94506ae58ab my-vpc-01	
private-subnet-1	subnet-0d030917db08b0320	<input checked="" type="radio"/> Available	vpc-0aaeab94506ae58ab my-vpc-01	

Edit subnet settings Info

Subnet

Subnet ID
 subnet-01888b49138cad19f

Name
 public-subnet-1

Auto-assign IP settings Info

Enable AWS to automatically assign a public IPv4 or IPv6 address to a new primary network interface for an instance 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.

Resource-based name (RBN) settings Info

Specify the hostname type for EC2 instances in this subnet and optional RBN DNS query settings.

Enable resource name DNS A record on launch Info

Enable resource name DNS AAAA record on launch Info

Hostname type Info

Resource name

IP name

DNS64 settings

Enable DNS64 to allow IPv6-only services in Amazon VPC to communicate with IPv4-only services and networks.

Enable DNS64 Info

Cancel

Save

⌚ You have successfully changed subnet settings:
◦ Enable auto-assign public IPv4 address

X

NOTE: HERE SAME PROCESS TO REMAINING FIVE SUBNETS

CREATS SECURITY GROUPS: 02

FIRST SECURITY GROUP NAME: security-group11

Create security group Info

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 Info

Name cannot be edited after creation.

Description Info

VPC Info

Inbound rules Info

Type Info

Protocol Info

Port range Info

Source Info

Description - optional Info



[Add rule](#)

⌚ Security group (sg-0374be69a822a4332 | security-group11) was created successfully

► [Details](#)



SECOND SECURITY GROUP NAME: security-group22

Create security group Info

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 Info

Name cannot be edited after creation.

Description Info

VPC Info

Inbound rules Info

Type Info

Protocol Info

Port range Info

Source Info

Description - optional Info



[Add rule](#)

⌚ Security group (sg-0ac831d068540ff9b | security-group22) was created successfully
▶ Details

X

NOW LAUNCH TWO TEMPLATES:

FIRST TEMPLATE NAME: **public-template**

Create launch template

Creating a launch template allows you to create a saved instance configuration that can be reused, shared and launched at a later time. Templates can have multiple versions.

Launch template name and description

Launch template name - *required*

public-template

Must be unique to this account. Max 128 chars. No spaces or special characters like '&', '*', '@'.

Template version description

nothing

Max 255 chars

Auto Scaling guidance | [Info](#)

Select this if you intend to use this template with EC2 Auto Scaling

Provide guidance to help me set up a template that I can use with EC2 Auto Scaling

▼ 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

Don't include
in launch
template

Amazon
Linux


macOS


Ubuntu


Windows


Red H




[Browse more AMIs](#)

Including AMIs from
AWS, Marketplace and
the Community

Amazon Machine Image (AMI)

Amazon Linux 2023 AMI

ami-04e5276ebb8451442 (64-bit (x86), uefi-preferred) / ami-09e060bed64ca0c04 (64-bit (Arm), uefi)
Virtualization: hvm ENA enabled: true Root device type: ebs

Free tier eligible

▼ Instance type [Info](#) | [Get advice](#)

[Advanced](#)

Instance type

t2.micro

Family: t2 1 vCPU 1 GiB Memory Current generation: true
On-Demand Windows base pricing: 0.0162 USD per Hour
On-Demand SUSE base pricing: 0.0116 USD per Hour
On-Demand RHEL base pricing: 0.0716 USD per Hour
On-Demand Linux base pricing: 0.0116 USD per Hour

Free tier eligible

All generations

[Compare instance types](#)

Additional costs apply for AMIs with pre-installed software

▼ Key pair (login) [Info](#)

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name

dileep21

 [Create new key pair](#)

▼ Network settings [Info](#)

Subnet [Info](#) *

Don't include in launch template [Info](#) [Create new subnet](#)

When you specify a subnet, a network interface is automatically added to your template.

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.

Select existing security group Create security group

Security groups [Info](#)

Select security groups [Compare security group rules](#)

security-group11 sg-0374be69a822a4332 X
VPC: vpc-0aaeab94506ae58ab

► Advanced network configuration

Success
Successfully created public-template(lt-0eb45e5b05baed2fc).

SECOND TEMPLATE NAME: private-template

Create launch template

Creating a launch template allows you to create a saved instance configuration that can be reused, shared and launched at a later time. Templates can have multiple versions.

Launch template name and description

Launch template name - *required*

private-template

Must be unique to this account. Max 128 chars. No spaces or special characters like '&', '*', '@'.

Template version description

nothing

Max 255 chars

Auto Scaling guidance [Info](#)

Select this if you intend to use this template with EC2 Auto Scaling

Provide guidance to help me set up a template that I can use with EC2 Auto Scaling

▼ 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

Don't include
in launch
template

Amazon
Linux


macOS


Ubuntu


Windows


Red H




[Browse more AMIs](#)

Including AMIs from
AWS, Marketplace and
the Community

Amazon Machine Image (AMI)

Amazon Linux 2023 AMI

ami-04e5276ebb8451442 (64-bit (x86), uefi-preferred) / ami-09e060bed64ca0c04 (64-bit (Arm), uefi)
Virtualization: hvm ENA enabled: true Root device type: ebs

Free tier eligible



▼ Network settings [Info](#)

Subnet [Info](#)

Don't include in launch template

 [Create new subnet](#) 

When you specify a subnet, a network interface is automatically added to your template.

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.

[Select existing security group](#)

[Create security group](#)

Security groups [Info](#)

[Select security groups](#)

 [Compare security group rules](#)

security-group22 sg-0ac831d068540ff9b X
VPC: vpc-0aaeab94506ae58ab

 Success

Successfully created private-template(lt-047efc801dbf12880).

Launch Templates (2) Info							Actions	Create launch template				
<input type="text"/> Search												
	Launch Template ID	▼	Launch Template Name	▼	Default Version	▼	Latest Version	▼	Create Time	▼	Created By	▼
○	lt-047efc801dbf12880		private-template		1		1		2024-04-22T17:24:10.000Z		arn:aws:iam::...	
○	lt-0eb45e5b05baed2fc		public-template		1		1		2024-04-22T17:18:53.000Z		arn:aws:iam::...	

LAUNCH AUTO SCALINGS GROUPS TWO:

FIRST AUTO SCALING GROUP NAME: **auto-scaling-public**

Create Auto Scaling group

Get started with EC2 Auto Scaling by creating an Auto Scaling group.

[Create Auto Scaling group](#)

Choose launch template or configuration Info

Specify a launch template that contains settings common to all EC2 instances that are launched by this Auto Scaling group. If you currently use launch configurations, you might consider migrating to launch templates.

Name

Auto Scaling group name

Enter a name to identify the group.

Must be unique to this account in the current Region and no more than 255 characters.

Launch template Info

[Switch to launch configuration](#)

Launch template

Choose a launch template that contains the instance-level settings, such as the Amazon Machine Image (AMI), instance type, key pair, and security groups.



Network Info

For most applications, you can use multiple Availability Zones and let EC2 Auto Scaling balance your instances across the zones. The default VPC and default subnets are suitable for getting started quickly.

VPC

Choose the VPC that defines the virtual network for your Auto Scaling group.

[Create a VPC](#)

Availability Zones and subnets

Define which Availability Zones and subnets your Auto Scaling group can use in the chosen VPC.



us-east-1a | subnet-01888b49138cad19f (public-subnet-1)
30.0.0.0/24



us-east-1b | subnet-004cfac61c3e0ac8 (public-subnet-2)
30.0.30.0/24



Load balancing Info

Use the options below to attach your Auto Scaling group to an existing load balancer, or to a new load balancer that you define.

No load balancer

Traffic to your Auto Scaling group will not be fronted by a load balancer.

Attach to an existing load balancer

Choose from your existing load balancers.

Attach to a new load balancer

Quickly create a basic load balancer to attach to your Auto Scaling group.

Attach to a new load balancer

Define a new load balancer to create for attachment to this Auto Scaling group.

Load balancer type

Choose from the load balancer types offered below. Type selection cannot be changed after the load balancer is created. If you need a different type of load balancer than those offered here, visit the [Load Balancing console](#).

Application Load Balancer

HTTP, HTTPS

Network Load Balancer

TCP, UDP, TLS

Load balancer name

Name cannot be changed after the load balancer is created.

auto-scaling-public-1

Load balancer scheme

Scheme cannot be changed after the load balancer is created.

Internal

Internet-facing

Network mapping

Your new load balancer will be created using the same VPC and Availability Zone selections as your Auto Scaling group. You can select different subnets and add subnets from additional Availability Zones.

VPC

vpc-0aaeab94506ae58ab [Edit](#)

my-vpc-01

Availability Zones and subnets

You must select a single subnet for each Availability Zone enabled. Only public subnets are available for selection to support DNS resolution.

us-east-1b

subnet-004cface61c3e0ac8



us-east-1a

subnet-01888b49138cad19f



Listeners and routing

If you require secure listeners, or multiple listeners, you can configure them from the [Load Balancing console](#) after your load balancer is created.

Protocol	Port	Default routing (forward to)
HTTP	80	<input type="button" value="Create a target group"/> ▼
New target group name An instance target group with default settings will be created.		
<input type="text" value="auto-scaling-public"/>		

Tags - optional

Consider adding tags to your load balancer. Tags enable you to categorize your AWS resources so you can more easily manage them.

50 remaining

Health check grace period Info

This time period delays the first health check until your instances finish initializing. It doesn't prevent an instance from terminating when placed into a non-running state.

seconds

Configure group size and scaling - optional Info

Define your group's desired capacity and scaling limits. You can optionally add automatic scaling to adjust the size of your group.

Group size Info

Set the initial size of the Auto Scaling group. After creating the group, you can change its size to meet demand, either manually or by using automatic scaling.

Desired capacity type

Choose the unit of measurement for the desired capacity value. vCPUs and Memory(GiB) are only supported for mixed instances groups configured with a set of instance attributes.

▾

Desired capacity

Specify your group size.

Scaling Info

You can resize your Auto Scaling group manually or automatically to meet changes in demand.

Scaling limits

Set limits on how much your desired capacity can be increased or decreased.

Min desired capacity

Equal or less than desired capacity

Max desired capacity

Equal or greater than desired capacity

Auto Scaling groups (1) Info		 Launch configurations	Launch templates 	Actions 	Create Auto Scaling group			
		 Search your Auto Scaling groups				 1 		
<input type="checkbox"/>	Name	Launch template/configuration 	Instances 	Status 	Desired capacity 	Min 	Max 	Availability zones 
<input type="checkbox"/>	auto-scaling-public	public-template Version Default	0	 Updating capacity...	2	2	5	us-east-1a, ...

SECOND AUTO SCALING GROUP NAME: auto-scaling-private

Choose launch template or configuration [Info](#)

Specify a launch template that contains settings common to all EC2 instances that are launched by this Auto Scaling group. If you currently use launch configurations, you might consider migrating to launch templates.

Name

Auto Scaling group name

Enter a name to identify the group.

Must be unique to this account in the current Region and no more than 255 characters.

Launch template [Info](#)

[Switch to launch configuration](#)

Launch template

Choose a launch template that contains the instance-level settings, such as the Amazon Machine Image (AMI), instance type, key pair, and security groups.



Network Info

For most applications, you can use multiple Availability Zones and let EC2 Auto Scaling balance your instances across the zones. The default VPC and default subnets are suitable for getting started quickly.

VPC

Choose the VPC that defines the virtual network for your Auto Scaling group.

vpc-0aaeab94506ae58ab (my-vpc-01)
30.0.0.0/16



[Create a VPC](#)

Availability Zones and subnets

Define which Availability Zones and subnets your Auto Scaling group can use in the chosen VPC.

Select Availability Zones and subnets



us-east-1a | subnet-0d030917db08b0320 (private-
subnet-1)
30.0.31.0/24

us-east-1b | subnet-07161977e84caaa69 (private-
subnet-2)
30.0.32.0/24

us-east-1a | subnet-0bbe90324890ab516 (private-
subnet-RDS1)
30.0.33.0/24

us-east-1b | subnet-00b7e09dd901ccab3 (private-
subnet-RDS2)

Configure advanced options - *optional* Info

Integrate your Auto Scaling group with other services to distribute network traffic across multiple servers using a load balancer or to establish service-to-service communications using VPC Lattice. You can also set options that give you more control over health check replacements and monitoring.

Load balancing Info

Use the options below to attach your Auto Scaling group to an existing load balancer, or to a new load balancer that you define.

No load balancer

Traffic to your Auto Scaling group will not be fronted by a load balancer.

Attach to an existing load balancer

Choose from your existing load balancers.

Attach to a new load balancer

Quickly create a basic load balancer to attach to your Auto Scaling group.

Attach to a new load balancer

Define a new load balancer to create for attachment to this Auto Scaling group.

Load balancer type

Choose from the load balancer types offered below. Type selection cannot be changed after the load balancer is created. If you need a different type of load balancer than those offered here, visit the [Load Balancing console](#).

Application Load Balancer
HTTP, HTTPS

Network Load Balancer
TCP, UDP, TLS

Load balancer name

Name cannot be changed after the load balancer is created.

auto-scaling-private-1

Load balancer scheme

Scheme cannot be changed after the load balancer is created.

Internal

Internet-facing

Network mapping

Your new load balancer will be created using the same VPC and Availability Zone selections as your Auto Scaling group. You can select different subnets and add subnets from additional Availability Zones.

VPC

vpc-0aaeab94506ae58ab [Edit](#)

my-vpc-01

Availability Zones and subnets

You must select a single subnet for each Availability Zone enabled. Only public subnets are available for selection to support DNS resolution.

us-east-1b

subnet-07161977e84caaa69



us-east-1a

subnet-0bbe90324890ab516



Listeners and routing

If you require secure listeners, or multiple listeners, you can configure them from the [Load Balancing console](#) after your load balancer is created.

Protocol

Port

Default routing (forward to)

HTTP

80

Create a target group



New target group name

An instance target group with default settings will be created.

auto-scaling-private-1

Health check grace period | [Info](#)

This time period delays the first health check until your instances finish initializing. It doesn't prevent an instance from terminating when placed into a non-running state.

30 seconds

Auto Scaling groups (2) Info		C	Launch configurations	Launch templates Edit	Actions ▼	Create Auto Scaling group
Search your Auto Scaling groups						
<input type="checkbox"/>	Name	Launch template/configuration Edit	Instances ▼	Status ▼	Desired capacity ▼	Min ▼
<input type="checkbox"/>	auto-scaling-private	private-template Version Default	2	-	2	2
<input type="checkbox"/>	auto-scaling-public	public-template Version Default	2	-	2	2

CREATED AUTOMATICALLY EC2 INSTANCES

Instances (4) Info		C	Connect	Instance state ▼	Actions ▼	Launch instances ▼
Find Instance by attribute or tag (case-sensitive)						
<input type="checkbox"/>	Instance state = running X	Clear filters				
<input type="checkbox"/>	Name ▼	Instance ID	Instance state	Instance type	Status check	Alarm status
<input type="checkbox"/>		i-0641faa230b2b5efa	Running Q Q	t2.micro	2/2 checks passed	View alarms +
<input type="checkbox"/>		i-0287672fb60015913	Running Q Q	t2.micro	2/2 checks passed	View alarms +
<input type="checkbox"/>		i-0bd7a404276715bb9	Running Q Q	t2.micro	Initializing	View alarms +
<input type="checkbox"/>		i-0feb6bc8644372b5b	Running Q Q	t2.micro	Initializing	View alarms +

GIVE THE NAMES TO THE EC2 INSTANCES:

<input type="checkbox"/>	Name ▼	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone ▼	Public IPv4 DNS
<input type="checkbox"/>	public-1	i-0641faa230b2b5efa	Running Q Q	t2.micro	2/2 checks passed	View alarms +	us-east-1a	-
<input type="checkbox"/>	public-2	i-0287672fb60015913	Running Q Q	t2.micro	2/2 checks passed	View alarms +	us-east-1b	-
<input type="checkbox"/>	private-2	i-0bd7a404276715bb9	Running Q Q	t2.micro	2/2 checks passed	View alarms +	us-east-1b	-
<input type="checkbox"/>	private-1	i-0feb6bc8644372b5b	Running Q Q	t2.micro	2/2 checks passed	View alarms +	us-east-1a	-

PUBLIC1 INSTANCE CONNECT TO THE WEB:

```

[ec2-user@ip-30-0-0-153 ~]$ curl https://aws.amazon.com/linux/amazon-linux-2023
[ec2-user@ip-30-0-0-153 ~]$

```

```
EC2
'      #
~\ _###_      Amazon Linux 2023
~~ \###\
~~ \###|
~~  \#/ __ https://aws.amazon.com/linux/amazon-linux-2023
~~   V~' '-'>
~~   /
~~ .-' /'
~~ /_/
/m/'

[ec2-user@ip-30-0-0-153 ~]$ sudo -i
[root@ip-30-0-0-153 ~]# vi dileep21.pem
[root@ip-30-0-0-153 ~]# ls
dileep21.pem
[root@ip-30-0-0-153 ~]# chmod 400 "dileep21.pem"
[root@ip-30-0-0-153 ~]# ssh -i "dileep21.pem" ec2-user@3.223.136.132
The authenticity of host '3.223.136.132 (3.223.136.132)' can't be established.
ED25519 key fingerprint is SHA256:nvCsieviFHTCMfQZjnXz4Ybv6+EtnJtCIu7MNe3Dvw.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '3.223.136.132' (ED25519) to the list of known hosts.

'      #
~\ _###_      Amazon Linux 2023
~~ \###\
~~ \###|
~~  \#/ __ https://aws.amazon.com/linux/amazon-linux-2023
~~   V~' '-'>
~~   /
~~ .-' /'
~~ /_/
/m'

Last login: Mon Apr 22 18:59:23 2024 from 18.206.107.27
[ec2-user@ip-30-0-0-153 ~]$ ls
[ec2-user@ip-30-0-0-153 ~]$
```

i-0641faa230b2b5efa (public-1)

PublicIPs: 3.223.136.132 PrivateIPs: 30.0.0.153

PUBLIC1 INSTANCE ATTACHED TO PRIVATE1 INSTANCE

NOW PUBLIC2 INSTANCE ATTACHED TO THE WEB:

```
'#_          Amazon Linux 2023
~\_\####\_
~~ \###\_
~~ \#/   https://aws.amazon.com/linux/amazon-linux-2023
~~ V~' '-'>
~~ /_
~~ /_/
~~ /_/
[m/.'.
[ec2-user@ip-30-0-30-203 ~]$
```

i-0287672fb60015913 (public-2)
PublicIPs: 54.84.58.230 PrivateIPs: 30.0.30.203

The screenshot shows the AWS Management Console with the EC2 service selected. A terminal window is open, displaying a login session to an Amazon Linux 2023 instance. The session starts with a standard welcome message and a directory listing. It then proceeds through several steps of SSH key management, including generating a new key pair, saving it to a file, changing permissions on the file, and attempting to connect via SSH. The terminal shows the user's responses to prompts, such as confirming the connection and adding the host to the known hosts list. The session concludes with a final directory listing.

```
'#_          Amazon Linux 2023
~\_\####\_
~~ \###\_
~~ \#/   https://aws.amazon.com/linux/amazon-linux-2023
~~ V~' '-'>
~~ /_
~~ /_/
~~ /_/
[m/.'.
Last login: Mon Apr 22 19:06:56 2024 from 18.206.107.27
[ec2-user@ip-30-0-30-203 ~]$ sudo -i
[root@ip-30-0-30-203 ~]# vi dileep21.pem.
[root@ip-30-0-30-203 ~]# chmod 400 "dileep21.pem"
[root@ip-30-0-30-203 ~]# ssh -i "dileep21.pem" ec2-user@54.84.58.230
The authenticity of host '54.84.58.230 (54.84.58.230)' can't be established.
ed25519 key fingerprint is SHA256:DCSqKQ8cH5Pwsxhf1pgoz0YA4LYTSDYXPOPxaMjRh0o.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '54.84.58.230' (ED25519) to the list of known hosts.
'#_          Amazon Linux 2023
~\_\####\_
~~ \###\_
~~ \#/   https://aws.amazon.com/linux/amazon-linux-2023
~~ V~' '-'>
~~ /_
~~ /_/
~~ /_/
[m/.'.
Last login: Mon Apr 22 19:08:11 2024 from 18.206.107.29
[ec2-user@ip-30-0-30-203 ~]$
```

i-0287672fb60015913 (public-2)
PublicIPs: 54.84.58.230 PrivateIPs: 30.0.30.203

PUBLIC2 INSTANCE ATTACH TO PRIVATE2 INSTANCE

CREATE DATABASE:

Create database

Choose a database creation method [Info](#)

Standard create

You set all of the configuration options, including ones for availability, security, backups, and maintenance.

Easy create

Use recommended best-practice configurations. Some configuration options can be changed after the database is created.

Engine options

Engine type [Info](#)

Aurora (MySQL Compatible)



Aurora (PostgreSQL Compatible)



MySQL



MariaDB



PostgreSQL



Oracle

ORACLE

Microsoft SQL Server



IBM Db2

IBM Db2

Templates

Choose a sample template to meet your use case.

Production

Use defaults for high availability and fast, consistent performance.

Dev/Test

This instance is intended for development use outside of a production environment.

Free tier

Use RDS Free Tier to develop new applications, test existing applications, or gain hands-on experience with Amazon RDS.

[Info](#)

Settings

DB instance identifier [Info](#)

Type a name for your DB instance. The name must be unique across all DB instances owned by your AWS account in the current AWS Region.

database-1

The DB instance identifier is case-insensitive, but is stored as all lowercase (as in "mydbinstance"). Constraints: 1 to 60 alphanumeric characters or hyphens. First character must be a letter. Can't contain two consecutive hyphens. Can't end with a hyphen.

▼ Credentials Settings

Master username [Info](#)

Type a login ID for the master user of your DB instance.

admin

1 to 16 alphanumeric characters. The first character must be a letter.

Credentials management

You can use AWS Secrets Manager or manage your master user credentials.

Managed in AWS Secrets Manager - *most secure*

RDS generates a password for you and manages it throughout its lifecycle using AWS Secrets Manager.

Self managed

Create your own password or have RDS create a password that you manage.

i If you manage the master user credentials in AWS Secrets Manager, additional charges apply. See [AWS Secrets Manager pricing](#). Additionally, some RDS features aren't supported. See limitations [here](#).

Select the encryption key [Info](#)

You can encrypt using the KMS key that Secrets Manager creates or a customer managed KMS key that you create.

aws/secretsmanager (default)



Instance configuration

The DB instance configuration options below are limited to those supported by the engine that you selected above.

DB instance class [Info](#)

▼ Hide filters

Show instance classes that support Amazon RDS Optimized Writes [Info](#)

Amazon RDS Optimized Writes improves write throughput by up to 2x at no additional cost.

Include previous generation classes •

Standard classes (includes m classes)

Memory optimized classes (includes r and x classes)

Burstable classes (includes t classes)

db.t3.micro

2 vCPUs 1 GiB RAM Network: 2,085 Mbps



Storage

Storage type [Info](#)

Provisioned IOPS SSD (io2) storage volumes are now available.

General Purpose SSD (gp2)

Baseline performance determined by volume size



Allocated storage [Info](#)

20

•

GiB

The minimum value is 20 GiB and the maximum value is 6,144 GiB

- After you modify the storage for a DB instance, the status of the DB instance will be in storage-optimization. Your instance will remain available as the storage-optimization operation completes. [Learn more](#)

► Storage autoscaling

Connectivity [Info](#)



Compute resource

Choose whether to set up a connection to a compute resource for this database. Setting up a connection will automatically change connectivity settings so that the compute resource can connect to this database.

Don't connect to an EC2 compute resource

Don't set up a connection to a compute resource for this database. You can manually set up a connection to a compute resource later.

Connect to an EC2 compute resource

Set up a connection to an EC2 compute resource for this database.

Virtual private cloud (VPC) [Info](#)

Choose the VPC. The VPC defines the virtual networking environment for this DB instance.

my-vpc-01 (vpc-0aaeab94506ae58ab)

6 Subnets, 2 Availability Zones



Only VPCs with a corresponding DB subnet group are listed.

After a database is created, you can't change its VPC.

DB subnet group [Info](#)

Choose the DB subnet group. The DB subnet group defines which subnets and IP ranges the DB instance can use in the VPC that you selected.

Create new DB Subnet Group



Public access [Info](#)

Yes

RDS assigns a public IP address to the database. Amazon EC2 instances and other resources outside of the VPC can connect to your database. Resources inside the VPC can also connect to the database. Choose one or more VPC security groups that specify which resources can connect to the database.

No

RDS doesn't assign a public IP address to the database. Only Amazon EC2 instances and other resources inside the VPC can connect to your database. Choose one or more VPC security groups that specify which resources can connect to the database.



VPC security group (firewall) [Info](#)

Choose one or more VPC security groups to allow access to your database. Make sure that the security group rules allow the appropriate incoming traffic.

Choose existing

Choose existing VPC security groups

Create new

Create new VPC security group

Existing VPC security groups

Choose one or more options



security-group11

security-group22

Availability Zone [Info](#)

us-east-1a



Databases (1)											<input checked="" type="checkbox"/> Group resources		Modify	Actions ▾	Restore from S3	Create database
											<input type="checkbox"/>	Filter by databases		< 1 >		
	DB identifier	Status	Role	Engine	Region & AZ	Size	Recommendations	CPU	Current activ							
○	database-1		Instance	MySQL Community	us-east-1a	db.t3.micro			2.83%		0 Conn.					

CREATE DB SUBNET GROUP:

Create DB subnet group

To create a new subnet group, give it a name and a description, and choose an existing VPC. You will then be able to add subnets related to that VPC.

Subnet group details

Name

You won't be able to modify the name after your subnet group has been created.

Must contain from 1 to 255 characters. Alphanumeric characters, spaces, hyphens, underscores, and periods are allowed.

Description

VPC

Choose a VPC identifier that corresponds to the subnets you want to use for your DB subnet group. You won't be able to choose a different VPC identifier after your subnet group has been created.

Add subnets

Availability Zones
Choose the Availability Zones that include the subnets you want to add.

Choose an availability zone

us-east-1a X us-east-1b X

Subnets
Choose the subnets that you want to add. The list includes the subnets in the selected Availability Zones.

Select subnets

subnet-00b7e09dd901ccab3 (30.0.34.0/24) X
subnet-0bbe90324890ab516 (30.0.33.0/24) X

(i) For Multi-AZ DB clusters, you must select 3 subnets in 3 different Availability Zones.

Availability zone	Subnet ID	CIDR block
us-east-1b	subnet-00b7e09dd901ccab3	30.0.34.0/24
us-east-1a	subnet-0bbe90324890ab516	30.0.33.0/24

⌚ Successfully created DB-subnet. [View subnet group](#)

RDS > Subnet groups

Subnet groups (4)				<input type="button" value="C"/>	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>	<input type="button" value="Create DB subnet group"/>	
				<input type="button" value="Filter by subnet group"/>	<	1	>	<input type="button" value=""/>
<input type="checkbox"/>	Name	Description	Status					
<input type="checkbox"/>	db-subnet	nothing	Complete					
<input type="checkbox"/>	default-vpc-017a8b8cb3e288760	Created from the RDS Management Console	Complete					
<input type="checkbox"/>	default-vpc-0aaeab94506ae58ab	Created from the RDS Management Console	Complete					
<input type="checkbox"/>	default-vpc-0ea77ceb777a552b4	Created from the RDS Management Console	Complete					

CREATE DB SNAPSHOT:

Take DB Snapshot

Preferences
To take a DB Snapshot, choose a DB Instance and name your DB Snapshot.

Snapshot type
 DB instance
 DB cluster

DB instance
DB Instance identifier. This is the unique key that identifies a DB Instance.

Snapshot name
Identifier for the DB Snapshot.

Snapshot identifier is case insensitive, but stored as all lower-case, as in "mysnapshot". Cannot be null, empty, or blank. Must contain from 1 to 255 alphanumeric characters or hyphens. First character must be a letter. Cannot end with a hyphen or contain two consecutive hyphens.

Cancel **Take snapshot**

Snapshots

Manual **System** **Shared with me** **Public** **Backup service** **Exports in Amazon S3**

Manual snapshots (3)				<input type="button" value="C"/>	Actions	<input type="button" value="Take snapshot"/>
	<input type="text"/> Filter by manual snapshots					
	Snapshot name	DB instance or cluster	Snapshot creation time		DB Instance created time	
<input type="checkbox"/>	db-snapshot	database-1	April 23, 2024, 01:19 (UTC+05:30)		April 23, 2024, 01:01 (UTC+05:30)	
<input type="checkbox"/>	database-1-snapshot	database-1	April 21, 2024, 19:14 (UTC+05:30)		April 21, 2024, 18:44 (UTC+05:30)	
<input type="checkbox"/>	database-1-final-snapshot	database-1	April 13, 2024, 23:42 (UTC+05:30)		April 13, 2024, 22:31 (UTC+05:30)	

