

## VPC --VIRTUAL PRIVATE CLOUD

### VPC – NETWORK ENGINEERING

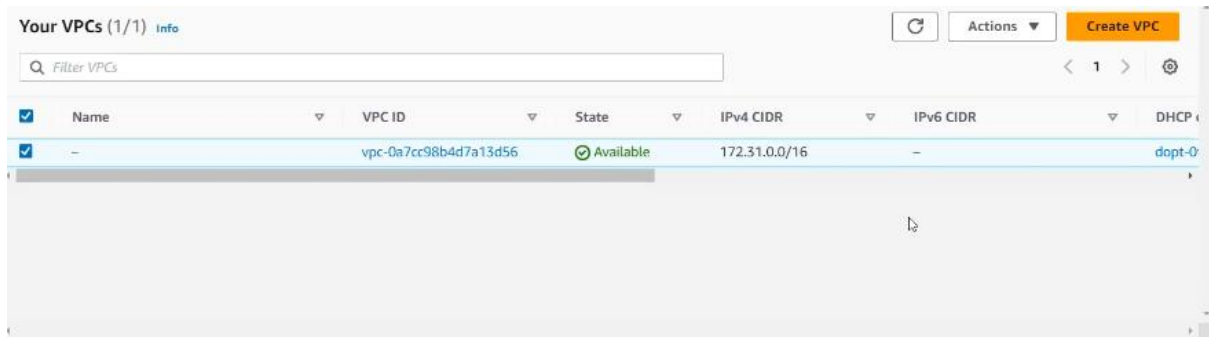
0-255 IP ADDRESS

10.0.0.0 - 10.0.0.50

8 8 8 8 = 32bit ipv4

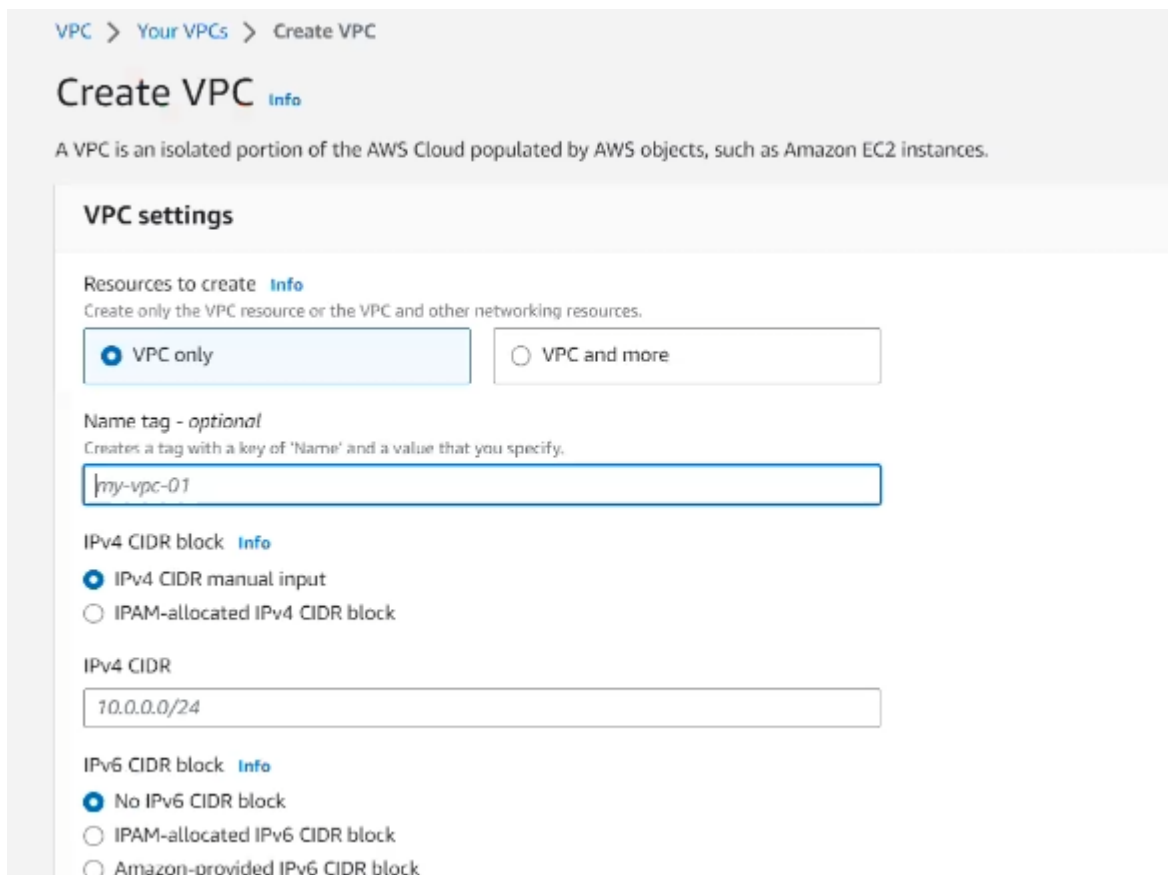
Ipv6 == aa12.bb32 alphanumeric

(\*) create vpc



The screenshot shows the 'Your VPCs (1/1)' page in the AWS Management Console. It features a table with one VPC entry. The table has columns for Name, VPC ID, State, IPv4 CIDR, IPv6 CIDR, and DHCP. The VPC is named 'vpc-0a7cc98b4d7a13d56' and is in an 'Available' state. The IPv4 CIDR is '172.31.0.0/16' and the IPv6 CIDR is '-'. The DHCP is 'dopt-0'.

Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR	DHCP
-	vpc-0a7cc98b4d7a13d56	Available	172.31.0.0/16	-	dopt-0



The screenshot shows the 'Create VPC' page in the AWS Management Console. The page is titled 'Create VPC' and includes a description: 'A VPC is an isolated portion of the AWS Cloud populated by AWS objects, such as Amazon EC2 instances.' The 'VPC settings' section is expanded, showing options for 'Resources to create', 'Name tag', 'IPv4 CIDR block', and 'IPv6 CIDR block'.

**VPC settings**

**Resources to create** [Info](#)  
Create only the VPC resource or the VPC and other networking resources.

☒ VPC only ☐ VPC and more

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

**IPv4 CIDR block** [Info](#)  
☒ IPv4 CIDR manual input  
☐ IPAM-allocated IPv4 CIDR block

**IPv4 CIDR**

**IPv6 CIDR block** [Info](#)  
☒ No IPv6 CIDR block  
☐ IPAM-allocated IPv6 CIDR block  
☐ Amazon-provided IPv6 CIDR block

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

myvpc

IPv4 CIDR block [Info](#)

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

IPv4 CIDR

10.0.0.0/16

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 - <i>optional</i>	
Q Name X	Q myvpc X	Remove

Add new tag

You can add 49 more tags.

Cancel Create VPC

(\*) to create subnet go to subnets

#### ▼ Virtual private cloud

Your VPCs [New](#)

[Subnets](#)

[Route tables](#)

[Internet gateways](#)

[Egress-only internet gateways](#)

(\*) default subnet

Subnets (3) [Info](#)

Filter subnets

	Name	Subnet ID	State	VPC	IPv4 CIDR	IPv6 CIDR
<input type="checkbox"/>	-	subnet-02418c45c109cfa79	Available	vpc-0a7cc98b4d7a13d56	172.31.0.0/20	-
<input type="checkbox"/>	-	subnet-066a73a42e7f0e857	Available	vpc-0a7cc98b4d7a13d56	172.31.32.0/20	-
<input type="checkbox"/>	-	subnet-0ddd95ba237c78cb3	Available	vpc-0a7cc98b4d7a13d56	172.31.16.0/20	-

VPC > Subnets > Create subnet

## Create subnet [Info](#)

### VPC

#### VPC ID

Create subnets in this VPC.

vpc-092f64d7779ea39b5 (myvpc) ▼

#### Associated VPC CIDRs

##### IPv4 CIDRs

10.0.0.0/16

### (\*) public subnet

### 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.

publicsubnet

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.

Asia Pacific (Singapore) / ap-southeast-1a ▼

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

Q 10.0.1.0/24 I X

10.0.1.0/24

##### Key

Q Name X

##### Value - optional

Q publicsubnet X

Remove

Add new tag

You can add 49 more tags.

Remove

### (\*) private subnet – create subnet

#### Subnet 2 of 2

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

privatesubnet

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.

Asia Pacific (Singapore) / ap-southeast-1b

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

Q 10.0.2.0/24

10.0.2.0/24

**Key** **Value - optional**

Q Name

Q privatesubnet

Remove

Add new tag

You can add 49 more tags.

### (\*) create internet gateways

Virtual private cloud

Your VPCs [New](#)

**Subnets**

Route tables

**Internet gateways**

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

Filter internet gateways

< 1 > ⌕

<input checked="" type="checkbox"/>	Name	Internet gateway ID	State	VPC ID	Owner
<input checked="" type="checkbox"/>	-	igw-0c3aad17218dfef5	Attached	vpc-0a7cc98b4d7a13d56	174912287653

## 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



Remove

Add new tag

You can add 49 more tags.

Cancel

Create internet gateway

(\*) attach to vpc

VPC > Internet gateways > igw-0f006ebdd70b35415

igw-0f006ebdd70b35415 / myinternet

#### Details [Info](#)

Internet gateway ID  
 igw-0f006ebdd70b35415

State  
 Detached

VPC ID  
-

Owner  
 174912287653

Actions

Attach to VPC  
Detach from VPC  
Manage tags  
Delete

#### Tags

Manage tags

< 1 >

Key	Value
Name	myinternet

VPC > Internet gateways > Attach to VPC (igw-0f006ebdd70b35415)

## Attach to VPC (igw-0f006ebdd70b35415) [Info](#)

### VPC

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

Available VPCs

Attach the internet gateway to this VPC:

vpc-092f64d7779ea39b5 - myvpc  
▶ AWS Command Line Interface command

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

▼ Virtual private cloud

Your VPCs [New](#)

Subnets

[Route tables](#)

Internet gateways

(\*) CREATE ROUTE TABLE

Route tables (2) [Info](#)

[Refresh](#) [Actions](#) [Create route table](#)

< 1 > ⚙

<input type="checkbox"/>	Name	Route table ID	Explicit subnet associat...	Edge associations	Main	VPC	Over
<input type="checkbox"/>	-	rtb-05ce1a3ab38804090	-	-	Yes	vpc-092f64d7779ea39b5   my...	17.
<input type="checkbox"/>	-	rtb-07ff34375a4954732	-	-	Yes	vpc-0a7cc98b4d7a13d56	17.

(\*) public route table

## 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="publicRT"/>	<input type="button" value="Remove"/>
<input type="button" value="Add new tag"/>		

You can add 49 more tags.

Route table rtb-0a6002049513f4542 | publicRT was created successfully.

VPC > Route tables > rtb-0a6002049513f4542

### rtb-0a6002049513f4542 / publicRT Actions

#### Details [Info](#)

Route table ID rtb-0a6002049513f4542	Main No	Explicit subnet associations -	Edge associations -
VPC vpc-092f64d7779ea39b5   myvpc	Owner ID 174912287653		

## (\*) private route table

### 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**

 × Remove

Add new tag

You can add 49 more tags.

Cancel Create route table

## (\*) public associations

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

↻ Actions ▾ Create route table

< 1 > ⚙

<input type="checkbox"/>	Name ▾	Route table ID ▾	Explicit subnet associat... ▾	Edge associations ▾	Main ▾	VPC ▾	OV
<input type="checkbox"/>	-	rtb-05ce1a3ab38804090	-	-	Yes	vpc-092f64d7779ea39b5   my...	17.
<input type="checkbox"/>	-	rtb-07ff34375a4954732	-	-	Yes	vpc-0a7cc98b4d7a13d56	17.
<input type="checkbox"/>	privateRT	rtb-0a2af58fd38f6d9b7	-	-	No	vpc-092f64d7779ea39b5   my...	17.
<input checked="" type="checkbox"/>	publicRT	rtb-0a6002049513f4542	-	-	No	vpc-092f64d7779ea39b5   my...	17.

#### rtb-0a6002049513f4542 / publicRT

Details Routes Subnet associations Edge associations Route propagation Tags

ⓘ You can now check network connectivity with Reachability Analyzer

Run Reachability Analyzer ×

##### Details

### Explicit subnet associations (0)

Edit subnet associations

< 1 > ⚙

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



(\*) save associations

VPC > Route tables > rtb-0a6002049513f4542 > Edit subnet associations

### Edit subnet associations

Change which subnets are associated with this route table.

**Available subnets (1/2)**

	Name	Subnet ID	IPv4 CIDR	IPv6 CIDR	Route table ID
<input type="checkbox"/>	privatesubnet	subnet-04466ec8aa49f3204	10.0.2.0/24	-	Main (rtb-05ce1a3ab38804090)
<input checked="" type="checkbox"/>	publicsubnet	subnet-062ead4bb58a3bcc1	10.0.1.0/24	-	Main (rtb-05ce1a3ab38804090)

**Selected subnets**  
subnet-062ead4bb58a3bcc1 / publicsubnet X

Cancel Save associations

(\*) routes

aws Services Search [Alt+S] Singapore parthiban @ green22

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  
DHCP option sets  
Elastic IPs  
Managed prefix lists  
Endpoints  
Endpoint services  
NAT gateways  
Peering connections

Security

You have successfully updated subnet associations for rtb-0a6002049513f4542 / publicRT.

### Route tables (1/4)

☐ -

☐ -

☐ privateRT

☒ publicRT

Name	Route table ID	Explicit subnet associ...	Edge associations	Main	VPC
-	rtb-05ce1a3ab38804090	-	-	Yes	vpc-092f64d7779ea39b5   my...
-	rtb-07ff34375a4954732	-	-	Yes	vpc-0a7cc98b4d7a13d56
privateRT	rtb-0a2af58fd38fd9b7	-	-	No	vpc-092f64d7779ea39b5   my...
publicRT	rtb-0a6002049513f4542	subnet-062ead4bb58a3...	-	No	vpc-092f64d7779ea39b5   my...

**rtb-0a6002049513f4542 / publicRT**  

Details Routes Subnet associations Edge associations Route propagation Tags

You can now check network connectivity with Reachability Analyzer Run Reachability Analyzer X

Details

(\*) edit routes

VPC > Route tables > rtb-0a6002049513f4542 > Edit routes

### Edit routes

Destination	Target	Status	Propagated
10.0.0.0/16	<input type="text" value="local"/> X	Active	No

Add route

Cancel Preview Save changes

## (\*) add route

Destination	Target	Status	Propagated
10.0.0.0/16	<input type="text" value="local"/>	Active	No
<input type="text" value="0.0.0.0/0"/>	<input type="text" value="igw-0f006ebdd70b35415"/>	-	No

## (\*) private rt – subnet associations—edit subnet associations

**Route tables (1/4)** Info

	Name	Route table ID	Explicit subnet associat...	Edge associations	Main	VPC	OV
<input type="checkbox"/>	-	rtb-05ce1a3ab38804090	-	-	Yes	vpc-092f64d7779ea39b5   my...	17.
<input type="checkbox"/>	-	rtb-07ff34375a4954732	-	-	Yes	vpc-0a7cc98b4d7a13d56	17.
<input checked="" type="checkbox"/>	privateRT	rtb-0a2af58fd38f6d9b7	-	-	No	vpc-092f64d7779ea39b5   my...	17.
<input type="checkbox"/>	publicRT	rtb-0a6002049513f4542	subnet-062ead4bb58a3...	-	No	vpc-092f64d7779ea39b5   my...	17.

rtb-0a2af58fd38f6d9b7 / privateRT

Details

Routes

Subnet associations

Edge associations

Route propagation

Tags

Explicit subnet associations (0)

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

No subnet associations

## (\*) private subnet save associations

VPC > Route tables > rtb-0a2af58fd38f6d9b7 > Edit subnet associations

**Edit subnet associations**  
Change which subnets are associated with this route table.

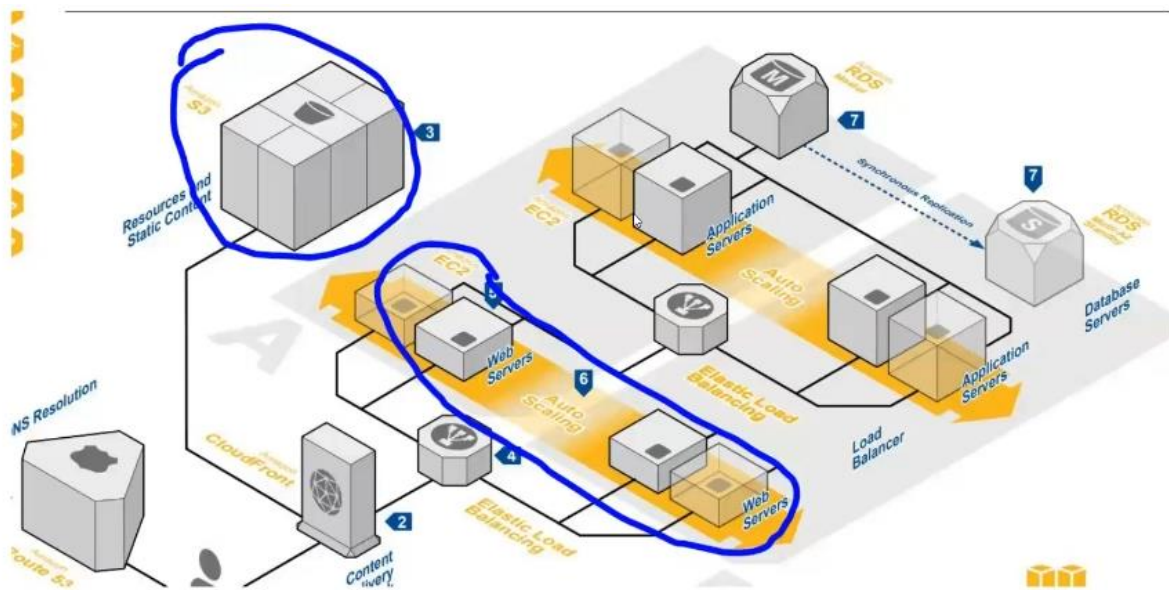
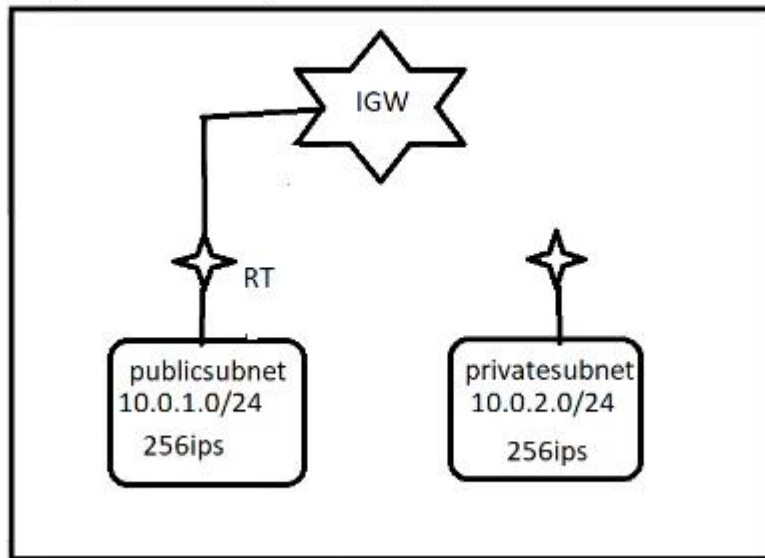
Available subnets (1/2)

	Name	Subnet ID	IPv4 CIDR	IPv6 CIDR	Route table ID
<input checked="" type="checkbox"/>	privatesubnet	subnet-04466ec8aa49f3204	10.0.2.0/24	-	Main (rtb-05ce1a3ab38804090)
<input type="checkbox"/>	publicsubnet	subnet-062ead4bb58a3bcc1	10.0.1.0/24	-	rtb-0a6002049513f4542 / publicRT

Selected subnets

subnet-04466ec8aa49f3204 / privatesubnet

myvpc -cidr 10.0.0.0/16= 65536 ips



(\*) create security group

▼ Security

Network ACLs

Security groups

Security Groups (5) Info

Actions

Export security groups to CSV

Create security group

Q Filter security groups

Name

Security group ID

Security group name

VPC ID

Description

Owner

-

sg-0a1d4b21d4ba07caa

default

vpc-092f64d7779ea39b5

default VPC security gr...

174912287653

-

sg-0ba29a1d2e97d771d

alltcp

vpc-0a7cc98b4d7a13d56

alltcp

174912287653

-

sg-03177b3d8993c359c

default

vpc-0a7cc98b4d7a13d56

default VPC security gr...

174912287653

-

sg-0762513e8665c0b3f

NFS\_Sec

vpc-0a7cc98b4d7a13d56

NFS\_Sec

174912287653

-

sg-08a332590c4c0910c

alltcp1

vpc-0a7cc98b4d7a13d56

alltcp1

174912287653

(\*) public SG security group

VPC > Security Groups > Create security group

## 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 empty.

publicsg

Description [Info](#)

VPC [Info](#)

Description [Info](#)

VPC [Info](#)

(\*) create security group

(\*) Public sg security group created

VPC > Security Groups > sg-0c8fef3c7a924d6e - publicSG

sg-0c8fef3c7a924d6e - publicSG

Actions

Details

Security group name

publicSG

Security group ID

sg-0c8fef3c7a924d6e

Description

publicSG

VPC ID

vpc-092f64d7779ea39b5

Owner

174912287653

Inbound rules count

0 Permission entries

Outbound rules count

1 Permission entry

(\*) private security group

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

privateSG

Name cannot be edited after creation.

Description

Info

privateSG

VPC

Info

vpc-092f64d7779ea39b5

X

(\*) create security group

(\*) security group created

VPC > Security Groups > sg-095c8df79615ecd3e - privateSG

sg-095c8df79615ecd3e - privateSG

Actions

Details

Security group name

privateSG

Security group ID

sg-095c8df79615ecd3e

Description

privateSG

VPC ID

vpc-092f64d7779ea39b5

Owner

174912287653

Inbound rules count

0 Permission entries

Outbound rules count

1 Permission entry

(\*) public security group – inbound rules

Filter security group rules

Manage tags

Edit inbound rules

< 1 >

Name

Security group rule...

IP version

Type

Protocol

Port range

No security group rules found

Inbound rules control the incoming traffic that's allowed to reach the instance.

### Inbound rules Info

Security group rule ID	Type <small>Info</small>	Protocol <small>Info</small>	Port range <small>Info</small>	Source <small>Info</small>	Description - optional <small>Info</small>	
-	RDP	TCP	3389	Anywh... 0.0.0.0/0		Delete
-	SSH	TCP	22	Anywh... 0.0.0.0/0		Delete
-	HTTP	TCP	80	Anywh... 0.0.0.0/0		Delete
-	HTTPS	TCP	443	Anywh... 0.0.0.0/0		Delete

[Add rule](#)

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

(\*) private security group copy security group id – edit inbound rules

sg-095c8df79615ecd3e - privateSG

Details **Inbound rules** Outbound rules Tags

📘 You can now check network connectivity with Reachability Analyzer [Run Reachability Analyzer](#) ✕

Inbound rules [Manage tags](#) [Edit inbound rules](#)

(\*) paste here all tcp

VPC > Security Groups > sg-095c8df79615ecd3e - privateSG > Edit inbound rules

### Edit inbound rules Info

Inbound rules control the incoming traffic that's allowed to reach the instance.

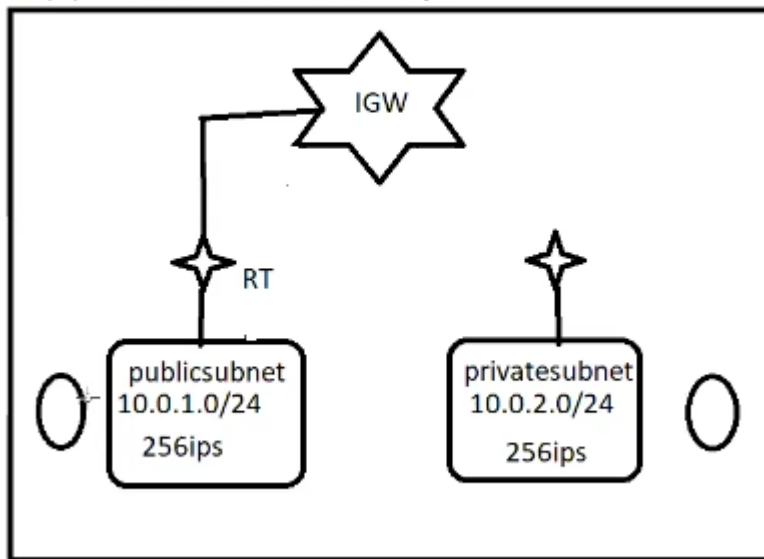
### Inbound rules Info

Security group rule ID	Type <small>Info</small>	Protocol <small>Info</small>	Port range <small>Info</small>	Source <small>Info</small>	Description - optional <small>Info</small>	
-	Custom TCP	TCP	0	Custom j-0c8fefd3c7a924d6e		Delete

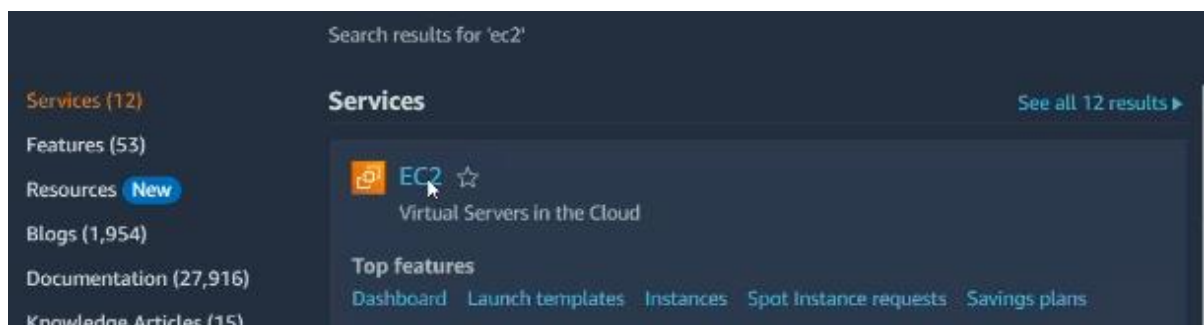
[Add rule](#)

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

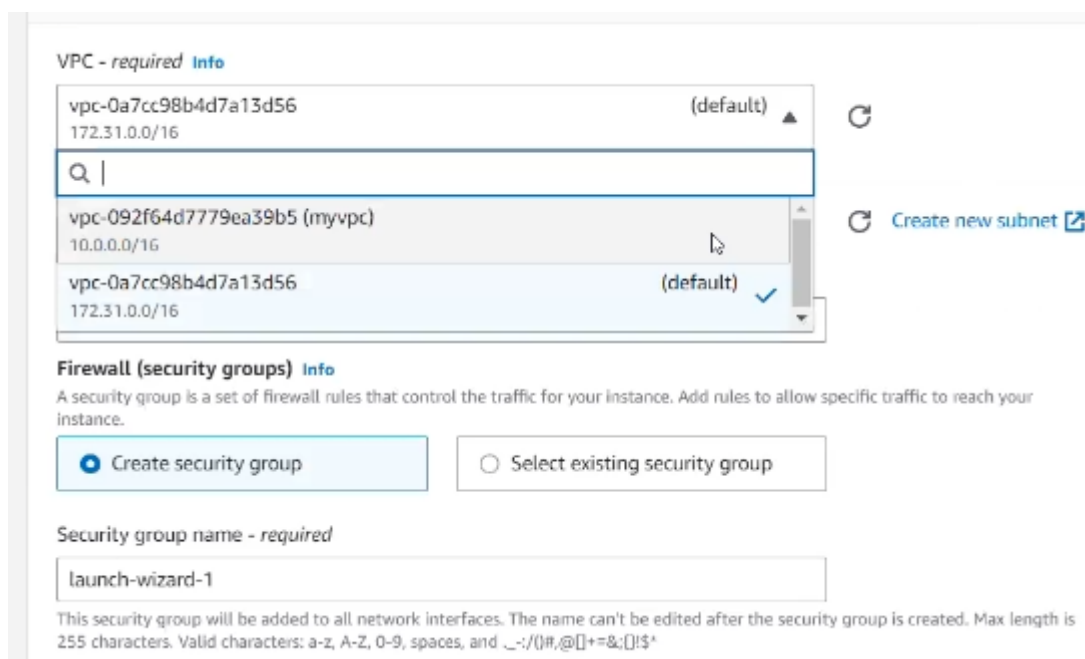
myvpc -cidr 10.0.0.0/16= 65536 ips



(\*) create ec2 instance windows



(\*) Network settings – edit -- vpc



### (\*) public subnet

Subnet [Info](#)

subnet-062ead4bb58a3bcc1	publicsubnet
VPC: vpc-092f64d7779ea39b5    Owner: 174912287653	
Availability Zone: ap-southeast-1a    IP addresses available: 251    CIDR: 10.0.1.0/24	

[Create new subnet](#)

### (\*) auto assign public ip enable

Auto-assign public IP [Info](#)

Enable

**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

### (\*) select existing security group public sg

**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

<input type="checkbox"/> default	sg-0a1d4b21d4ba07caa
VPC: vpc-092f64d7779ea39b5	
<input type="checkbox"/> publicSG	sg-0c8fef3c7a924d6e
VPC: vpc-092f64d7779ea39b5	
<input type="checkbox"/> privateSG	sg-095c8df79615ecd3e
VPC: vpc-092f64d7779ea39b5	

[Compare security group rules](#)

Advanced

### (\*) launch instance

### (\*) create private server windows

## Launch an instance [Info](#)

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

**Name and tags** [Info](#)

Name

privateserver

[Add additional tags](#)



(\*) network setting edit –vpc—private subnet

▼ **Network settings** [Info](#)

VPC - *required* [Info](#)

vpc-092f64d7779ea39b5 (myvpc) 10.0.0.0/16

Subnet [Info](#)

subnet-062ead4bb58a3bcc1 publicsubnet

VPC: vpc-092f64d7779ea39b5 Owner: 174912287653  
Availability Zone: ap-southeast-1a IP addresses available: 250 CIDR: 10.0.1.0/24

[Create new subnet](#)

(\*) select existing security group- private sg

**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

<input type="checkbox"/> default	sg-0a1d4b21d4ba07caa
VPC: vpc-092f64d7779ea39b5	
<input type="checkbox"/> publicSG	sg-0c8fef3c7a924d6e
VPC: vpc-092f64d7779ea39b5	
<input type="checkbox"/> privateSG	sg-095c8df79615ecd3e
VPC: vpc-092f64d7779ea39b5	


[Compare security group rules](#)



[Advanced](#)

(\*) create an instance


## (\*)Connect the machine

### Connection Type



**Connect using RDP client**  
Download a file to use with your RDP client and retrieve your password.


**Connect using Fleet Manager**  
To connect to the instance using Fleet Manager Remote Desktop, the SSM Agent must be installed and running on the instance. For more information, see [Working with SSM Agent](#) 

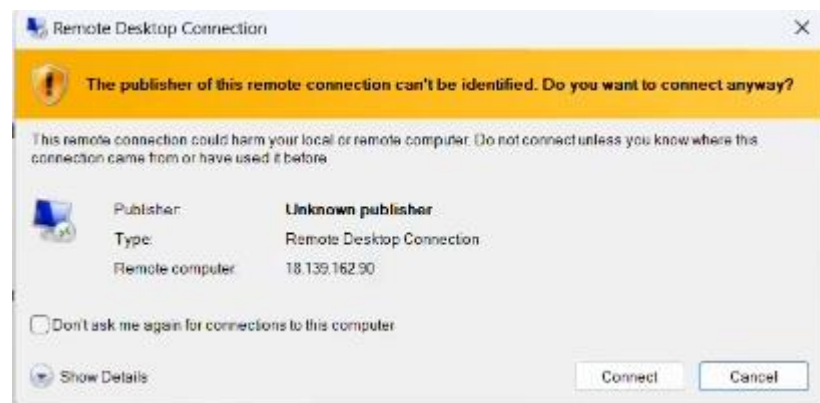
You can connect to your Windows instance using a remote desktop client of your choice, and by downloading and running the RDP shortcut file below:

 **Download remote desktop file**

When prompted, connect to your instance using the following details:

Public IP	User name
 18.139.162.90	 Administrator
Password	<a href="#">Get password</a>

 If you've joined your instance to a directory, you can use your directory credentials to connect to your instance.



EC2 > Instances > i-08b55fa711f14f69b > Get Windows password

## Get Windows password [Info](#)

Use your private key to retrieve and decrypt the initial Windows administrator password for this instance.

Instance ID

 i-08b55fa711f14f69b (publicserver)


Key pair associated with this instance

 windows

Private key

Either upload your private key file or copy and paste its contents into the field below.

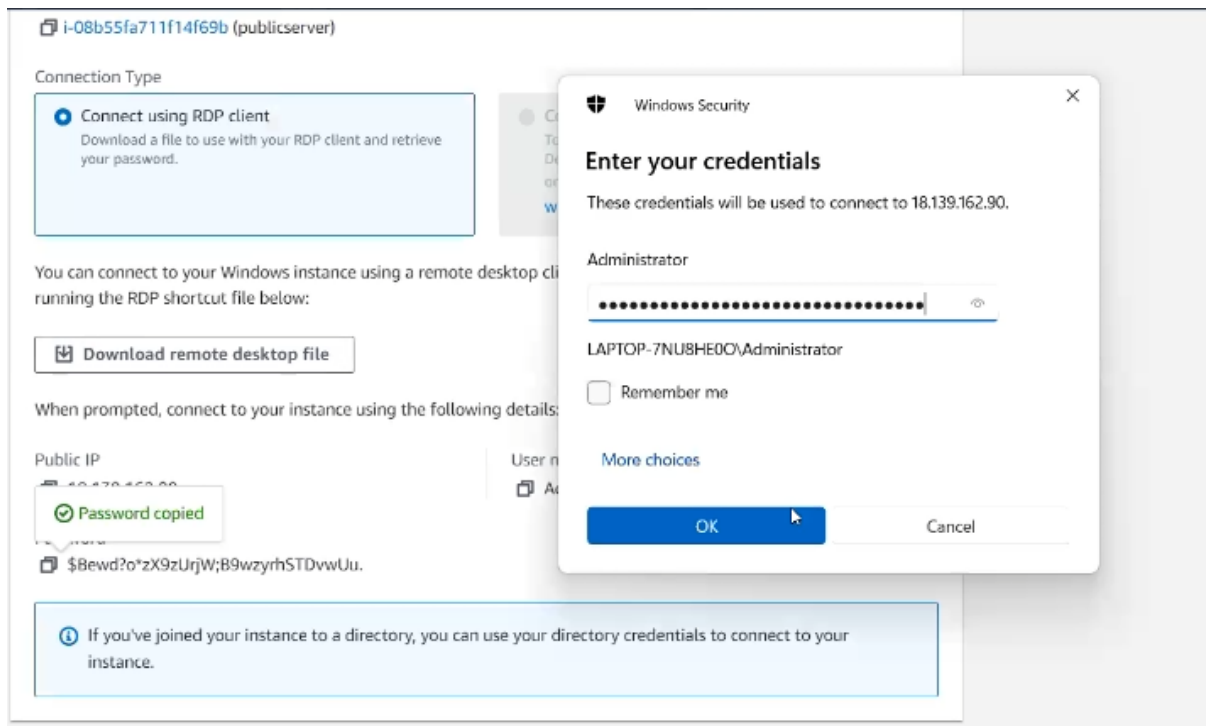
 Upload private key file

 windows.pem  
1.674KB

Private key contents - optional

```
-----BEGIN RSA PRIVATE KEY-----
MIIEowIBAAKCAQEA2gJhQr98TRrMxUWijOxwrglWmN7ZhYl6n8tNP1PHRUludoz
WrJ3PurTxOb4AVh4aRoxKMOxiXy5msGBgZDAw9IB8BJQ1eCFnDyYLU/y66HoYV1
twu9Oqgf1CU0daxl+wLss2kyBj6255fukjZdf2EUIntatZ/77YkQjTlgcdn4XOtE
nC+ixPlMbSs4aYmWjCMWXZKaocbmNB00cQPck+q12G16eas/Q5n0xjyPGdObJ1S
ZODHNXqLvsRYpApr05wBvllKc4Yp0GeEYZ5iZUcpeYjWsFeRN5cbtEN7b2xY/7W
P5rffS9i9xkiDvQdJ0+Zu8eumYex2DJiY7oYwIDAQABAoIBAQCjXSO4dE4p9Wh
bABmQRu5QJlgFKUIV93Edlyw6fpNuTzzywyA1KRcdEeeJ2BhZYFzXGyrMRN4i32F+
-----END RSA PRIVATE KEY-----
```

(\*) decrypt password



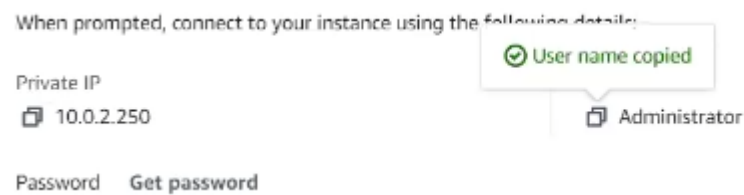
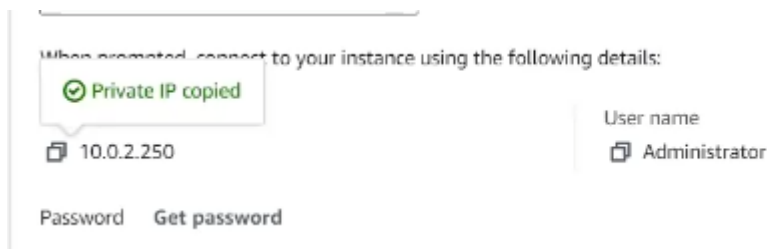
(\*) Connect the private subnet machine as same but it wont connect private server cannot access from outside but can access from public server

(\*) go to public machine open remote desktop connection





(\*) copy private ip address



Use your private key to retrieve and decrypt the initial Windows administrator password for this instance.

Instance ID  
i-053edda9f4344c2e2 (privateserver)

Key pair associated with this instance  
windows

Private key  
Either upload your private key file or copy and paste its contents into the field below.

Upload private key file

windows.pem  
1.674KB

Private key contents - optional

```
BQmGB4j+soYqIFvtFZ301cQTL6sVt+uEoZNSzE7eELkBds1vRFU42DunLeRn36H3
p3U0QgZTkL0e/Szme1jI0ANDQ7g27IdtWgPwhVDRW9T8FfhBMAEqP47AoGBAOEm
5HC6kE+0nZlygFYM/mkjwVK6ConJYyoLjKDP2YaiDPw6ij2L4T6ZLUQfk/ta3Y98
mZDICFIN3HilSFEJRY0Ih/vSVDwNINhGCZDhlohv4FHaCSHIZ/EfCp4a0R1kS+xs
FdRoJcPFJv1laXvd+qbAkaF4EHM9s1ZE/Xjn9P5AoGAR7odHCq37HBxxgFROOyv
ePSBSGLPjIfErxc8Y+rJmc7ZXDfZg517bwkm6XHX3CsO7+X29R5vVT4uNu5/pPlmA
h7Tp0diIVkCKNCACUfbE+14A9ZrpJ2EWX9/jSxlbRJ52/EslXjAB5TdTpTafcwC9
j25F5YDvZc4cPUlrs5YnolkCgYB853uRgh4u6Y8lonnJwxmcMEa+YxEXkU5e89tH
FueqxeQVRc2NCT2i4Vn4HnCLic7r8L+5tYFellJilH+EMtCkXcvH0t5CvzI16nh8HCR
```

Cancel Decrypt password

10.0.2.250 Administrator

Password copied

eH(OGeFHqDSejpaXXpgZ%4ysaLrVkoYP

If you've joined your instance to a directory, you can use your directory credentials to connect to your instance.

Cancel

Windows Security

Enter your credentials

These credentials will be used to connect to 10.0.2.250.

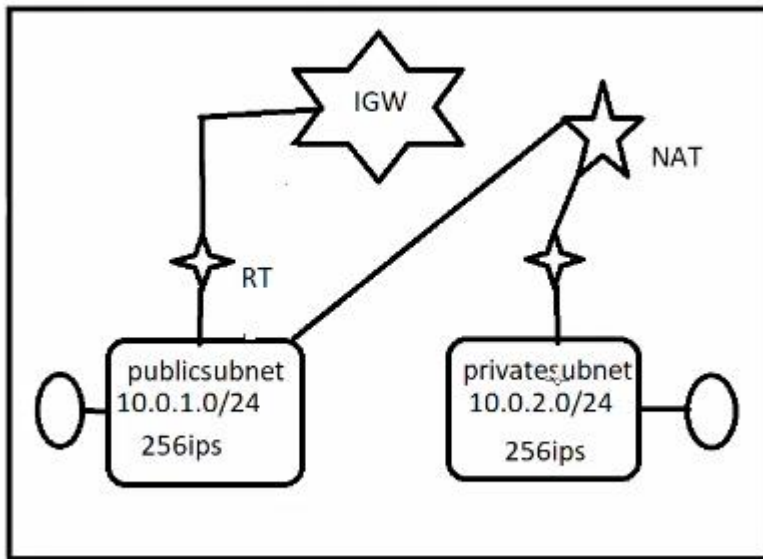
Administrator

.....

☐ Remember me

OK Cancel

myvpc-cidr 10.0.0.0/16= 65536 ips



### (\*) VPC -- NAT GATEWAYS

[NAT gateways](#)

[Peering connections](#)

### (\*) CREATE NAT GATEWAY

NAT gateways [Info](#)

[Create NAT gateway](#)

Name	NAT gateway ID	Connectivit...	State	State message	Primary public I...	Primary priv
No NAT gatewa						

(\*) public subnet

VPC > NAT gateways > Create NAT gateway

## 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.

(\*) allocate elastic ip –create NAT

☒ Public  
☐ Private

**Elastic IP allocation ID [Info](#)**  
Assign an Elastic IP address to the NAT gateway.

eipalloc-00791b42b4372a686  
13.213.221.154

Allocate Elastic IP

### 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="Q Name"/>	<input type="text" value="Q mynat"/>	<input type="button" value="Remove"/>

Add new tag

You can add 49 more tags.

Cancel

VPC > NAT gateways > nat-046e6346c0feca56a

## nat-046e6346c0feca56a / mynat

Actions

**Details** Info

NAT gateway ID  
nat-046e6346c0feca56a

NAT gateway ARN  
arn:aws:ec2:ap-southeast-1:174912287653:natgateway/nat-046e6346c0feca56a

VPC  
vpc-092f64d7779ea39b5 / myvpc

Connectivity type  
Public

Primary public IPv4 address  
-

Subnet  
subnet-062ead4bb58a3bcc1 / publicsubnet

State  
Pending

Primary private IPv4 address  
-

Created  
Friday, April 28, 2023 at 12:01:04 GMT+5:30

State message  
-

Primary network interface ID  
-

Deleted  
-

(\*) go to routing table – private rt

Route tables (1/4) Info

Filter route tables

	Name	Route table ID	Explicit subnet associat...	Edge associations	Main	VPC	Ow...
<input type="checkbox"/>	-	rtb-05ce1a3ab38804090	-	-	Yes	vpc-092f64d7779ea39b5   my...	1749
<input type="checkbox"/>	-	rtb-07ff34375a4954732	-	-	Yes	vpc-0a7cc98b4d7a13d56	1749
<input checked="" type="checkbox"/>	privateRT	rtb-0a2af58fd38fd9b7	subnet-04466ec8aa49f...	-	No	vpc-092f64d7779ea39b5   my...	1749
<input type="checkbox"/>	publicRT	rtb-0a6002049513f4542	subnet-062ead4bb58a3...	-	No	vpc-092f64d7779ea39b5   my...	1749

(\*) routes – edit routes

VPC > Route tables > rtb-0a2af58fd38fd9b7 > Edit routes

### Edit routes

Destination	Target	Status	Propagated
10.0.0.0/16	local	Active	No

Add route

Cancel Preview Save changes

VPC > Route tables > rtb-0a2af58fd38fd9b7 > Edit routes

### Edit routes

Destination	Target	Status	Propagated
10.0.0.0/16	local	Active	No
0.0.0.0/0	nat-046e6346c0feca56a	-	No

Add route

Cancel Preview Save changes

(\*) internet has been connected in private network