



Build a Virtual Private Cloud



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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.

NextWork VPC

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.

Introducing Today's Project!

What is Amazon VPC?

Amazon VPC is a service within Amazon Web Services (AWS) that allows you to create a logically isolated network within the AWS cloud. With VPC, you can control your own VN environment, including the selection of your IP address and create subnets.

How I used Amazon VPC in this project

to create our own VPC and in that we create subnet with IP address and internet gateways are created and connected to our VPC.

One thing I didn't expect in this project was...

IP address

This project took me...

1 hour.

Virtual Private Clouds (VPCs)

VPC's are isolated sections in AWS cloud, these are helpful to create our own resources in private.

To deploy resources like EC2 /RDS services by default from scratch without creating our own VPC.

to create our IP addresses, we use IPv4 (internet protocol version).

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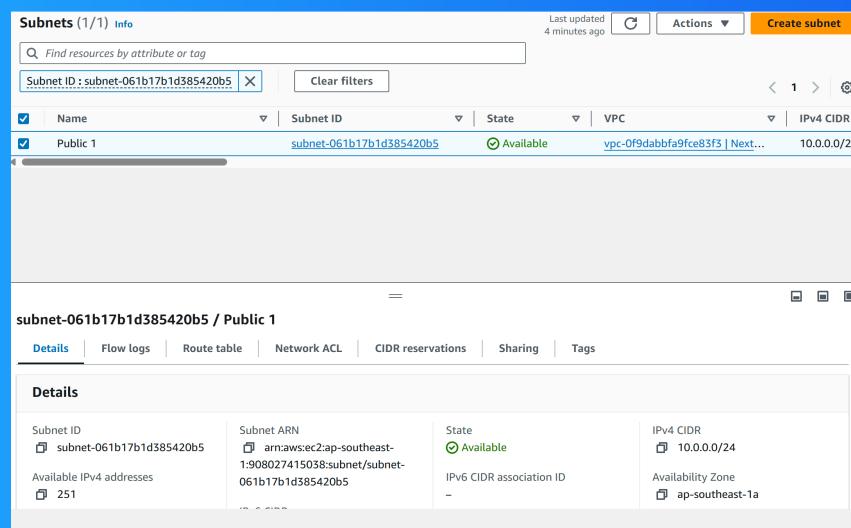
CIDR block size must be between /16 and /28.

Subnets

Subnets are like subsections of my VPC. just like neighbourhoods are subsections of city.

one for every availability zone. in my selected region there exists already 3 subnets.

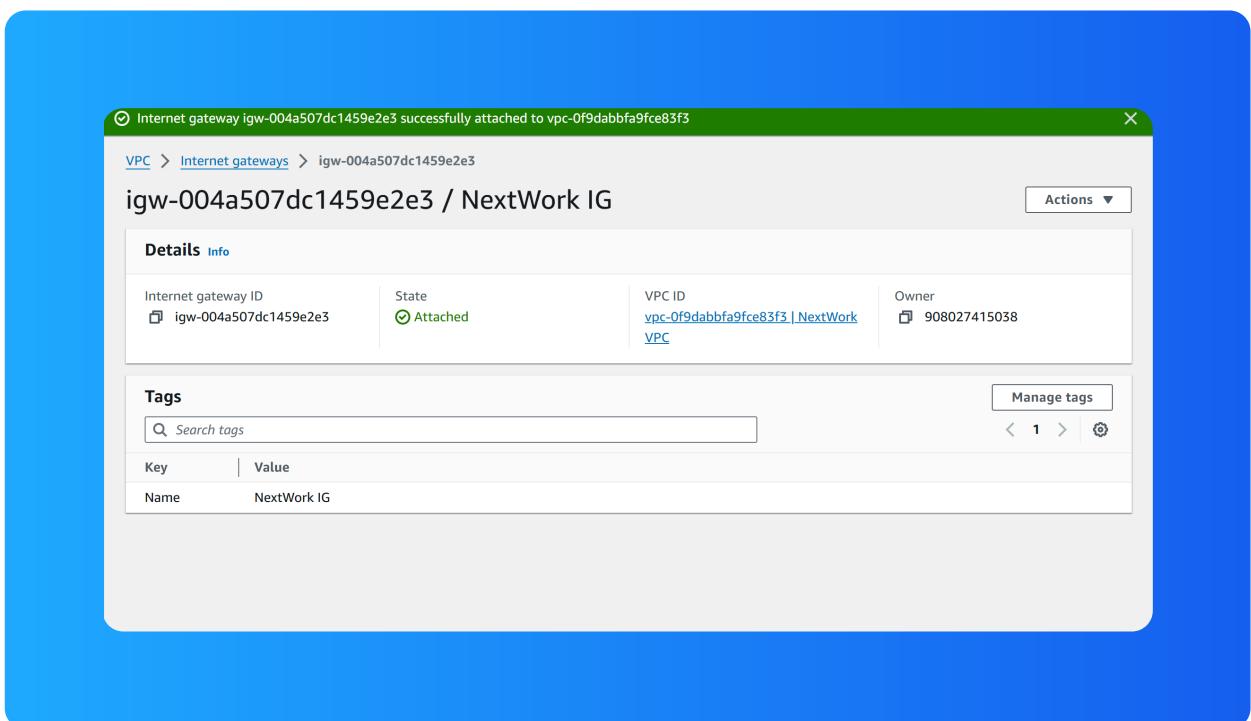
it has to have a route to internet gateway.



Internet gateways

allows users to enter and exit ,facilitating communication between the inside of your VPC.

it gives access to check the resources in our VPC.





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