

Build a Virtual Private Cloud



Pietfontein Nhlanhla

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

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](#)



Pietfontein Nhlanhla
NextWork Student

NextWork.org

Introducing Today's Project!

What is Amazon VPC?

A virtual network that you can connect through the internet

How I used Amazon VPC in this project

I have used the VPC for personal gain skills

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

Nothing much

This project took me...

30 min



Virtual Private Clouds (VPCs)

it is a virtual private connections that is used to communicate with serverless compute

There was already a default VPC in my account ever since my AWS account was created. This is because' It serves as a pre-configured network environment that enables users to quickly launch AWS resources like EC2 instances, RDS databases, and others

To set up my VPC, I had to define an IPv4 CIDR block, which is a way of representing an IP address range in a more flexible and efficient manner than the traditional class-based system (Class A, B, C)

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

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



Subnets

There are already subnets existing in my account, one for every' they are different sections within the neighbour same are private and public.

Once I created my subnet, I enabled... This setting makes sure... so that' This setting automatically assigns a public IP address to instances or virtual machines (VMs) when they are launched in a subnet

The difference between public and private subnets are... For a subnet to be considered public, it has to' certain might be assigned an IP range like 203.0.113.0/24, which falls within the public IP address space.

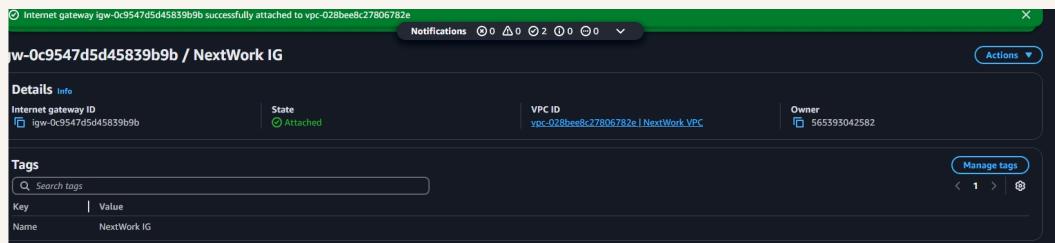
Subnets (1/1) Info							
Create subnet							
Actions							
Name	Subnet ID	State	VPC	Block Public...	IPv4 CIDR	IPv6 CIDR	IPv6
Public 1	subnet-063bdbb82550b0fb1	Available	vpc-028be8c27806782e Next...	Off	10.0.0.0/24	-	-

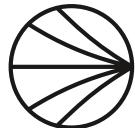


Internet gateways

It acts as a bridge between the private network (your VPC or subnet) and the public network (the Internet).

Attaching an internet gateway to a VPC means... If I missed this step This allows them to access external websites, APIs, and other internet resources





NextWork.org

Everyone should be in a job they love.

Check out nextwork.org for
more projects

