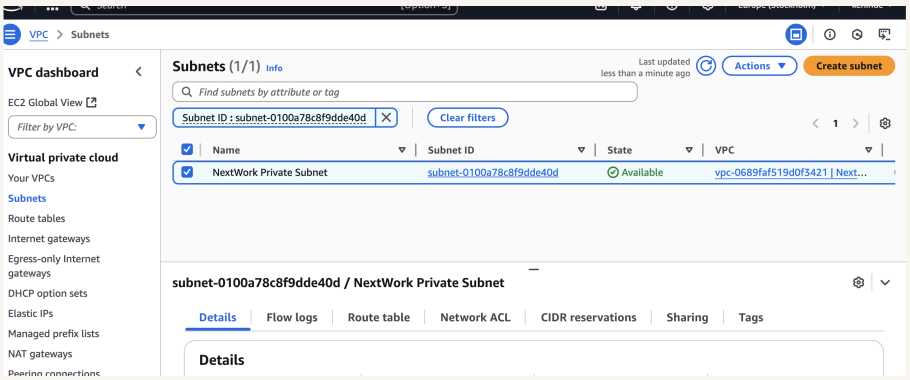
nextwork.org

Creating a Private Subnet

Kehinde Abiuwa



Kehinde Abiuwa
NextWork Student

Introducing Today's Project!

What is Amazon VPC?

Amazon VPC (Virtual Private Cloud) is a logically isolated network within AWS that allows you to securely launch and manage resources in a customizable virtual network, providing control over IP addressing, subnets, routing, and access

How I used Amazon VPC in this project

I created a vpc, and create both public and private subnets and setup some security for both subnets in my VPC

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

Nothing really

This project took me...

30mins

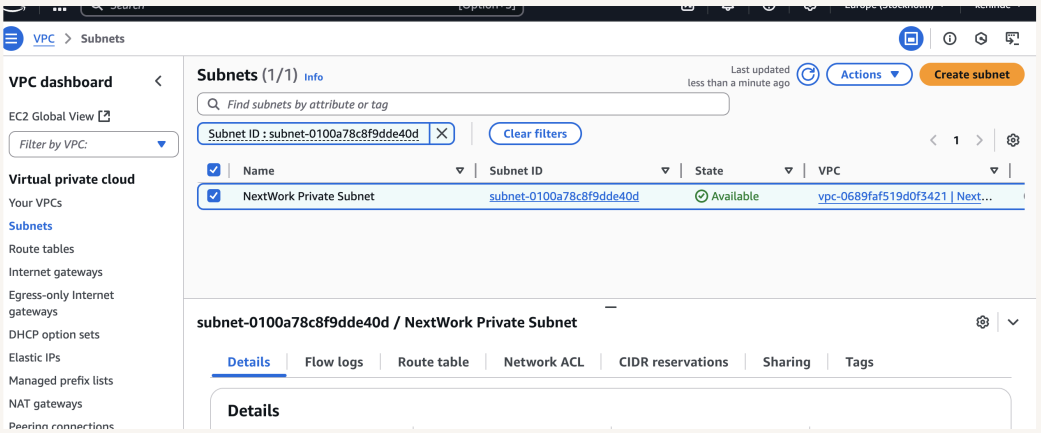
Kehinde Abiuwa
NextWork Student

Private vs Public Subnets

The difference between public and private subnets is that A public subnet has a route to the internet via an internet gateway, while a private subnet does not, restricting its access to internal resources only

Having private subnets are useful because they enhance security by isolating internal resources from direct internet access

My private and public subnets cannot have the same CIDR block (IP address range) within the same VPC



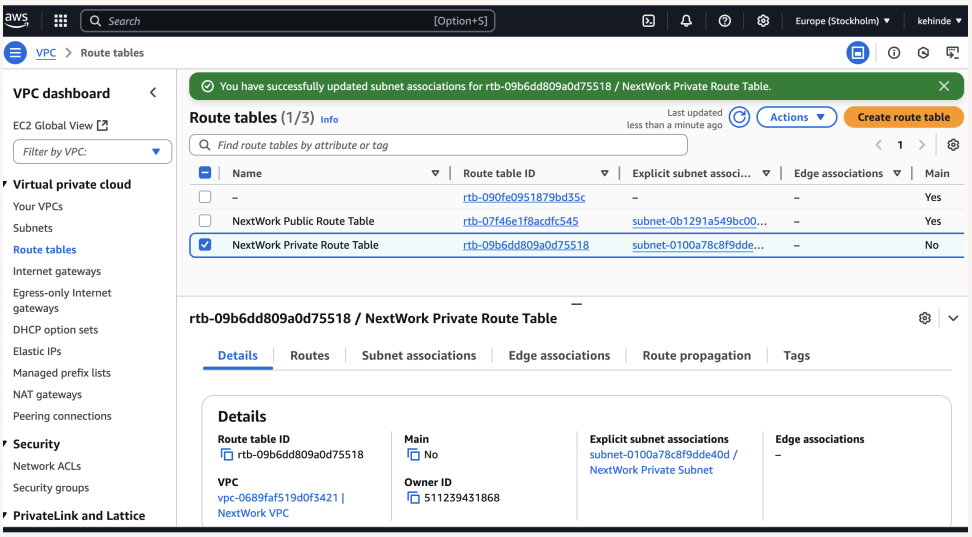
Kehinde Abiuwa
NextWork Student

A dedicated route table

By default, my private subnet is associated with the route table that was created for me me by AWS when i created my VPC

I had to set up a new route table because that route is to an internet gateway making my private subnet properties public or accessible via the internet which is what i dont want

My private subnet's dedicated route table only has one inbound and one outbound rule that allows internal resources to be directed to my private subnet and not accessible via the internet



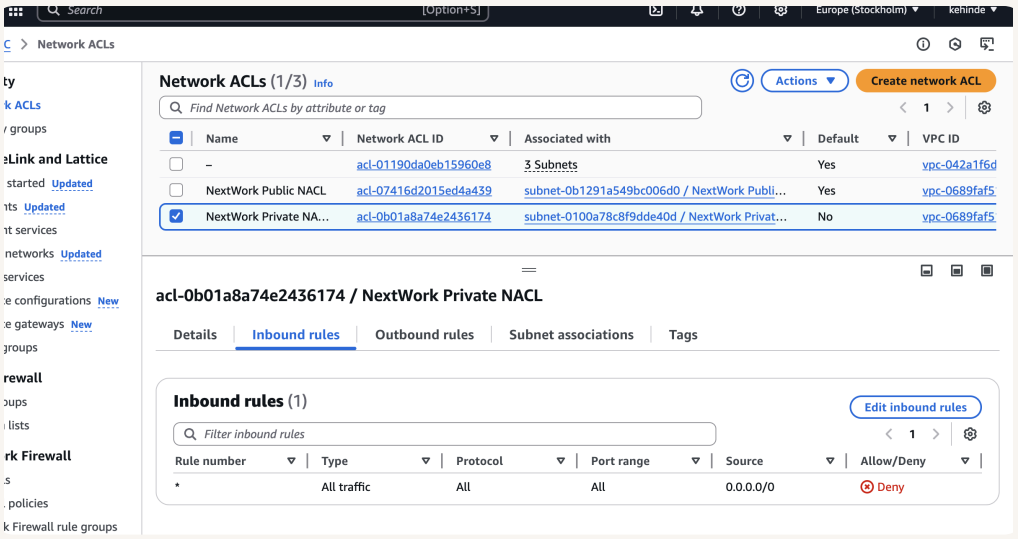
Kehinde Abiuwa
NextWork Student

A new network ACL

By default, my private subnet is associated with, my default NACL that was created automatically when i createdmy vpc

I set up a dedicated network ACL for my private subnet because i dont want any unauthorised access to my private subnet, its an added layer of security

My new network ACL has two simple rules -' deny inbound and also outbound access to me private subnet



The place to learn & showcase your skills

Check out nextwork.org for more projects