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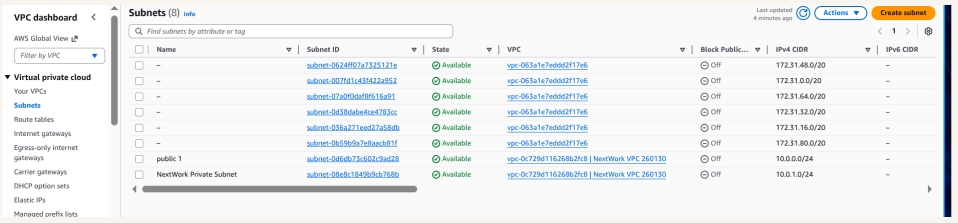
Creating a Private Subnet

Katleo Rantle



Katleo Rantle
NextWork Student

Introducing Today's Project!

What is Amazon VPC?

Amazon VPC is a logical network boundary It is useful because it provides a way for us to create isolated secure space for us to create resources on the cloud

How I used Amazon VPC in this project

In today's project, I used Amazon VPC to create a private subnet with its own route table and NACL

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

One thing I didn't expect in this project is that private subnet needs its own dedicated route table and custom Network ACL (NACL) to function properly and maintain its private isolation

This project took me...

This project took me 1,5 hr

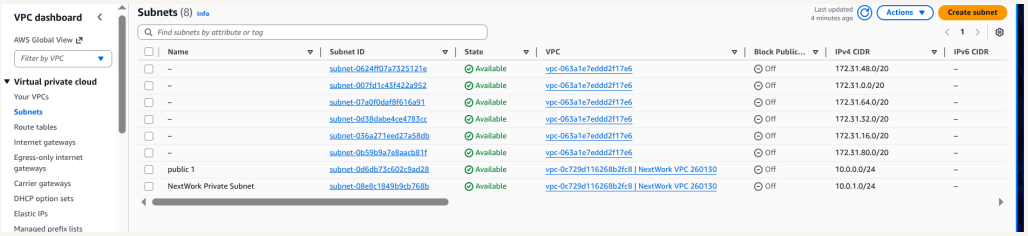
Katleo Rantle
NextWork Student

Private vs Public Subnets

The difference between public and private subnets is that public subnets allow internet traffic where as private subnets only allow communication within the VPC

Having private subnets are useful because they allow us to restrict resource access from unauthorized connections and ensure internal apps dont have direct access to the internet

My private and public subnets cannot have the same CIDR block or range of ip addresses



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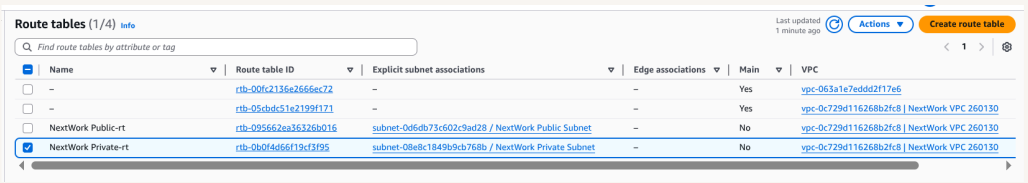
A dedicated route table

By default, my private subnet is associated with the default route table that AWS automatically created with the VPC

I had to set up a new route table because the default route table has a route to the internet gateway which enables internet access

My private subnet's dedicated route table only has one inbound and one outbound rule that allows local traffic within the VPC



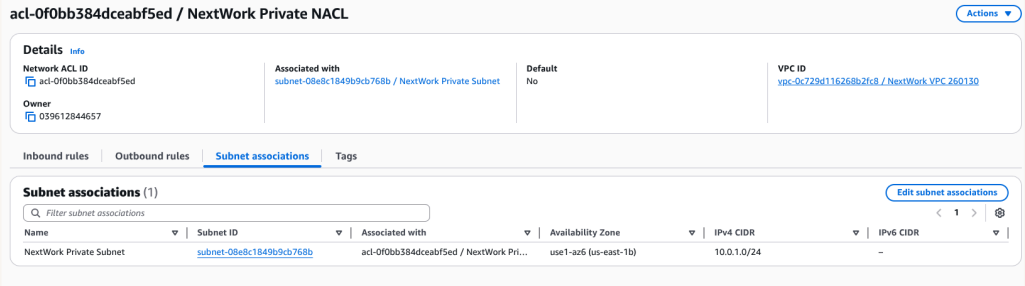
Katleo Rantle
NextWork Student

A new network ACL

By default, my private subnet is associated with the default NACL which was created by AWS

I set up a dedicated network ACL for my private subnet because the default NACL allows all traffic and exposes our private subnet

My new network ACL has two simple rules - 100 inbound and out bound allowing traffic in and out the subnet



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