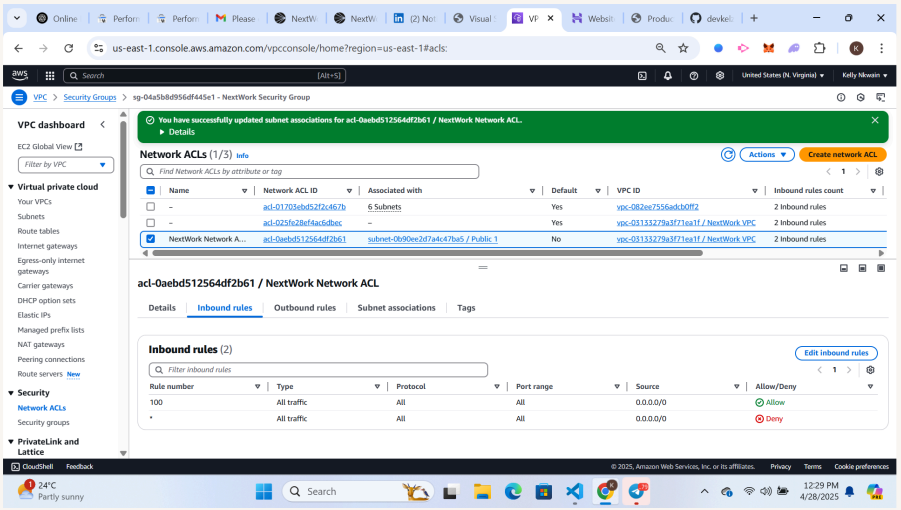
nextwork.org

Creating a Private Subnet

KELLY NKWAIN



Introducing Today's Project!

What is Amazon VPC?

Amazon VPC is your own private network within a cloud infrastructure that helps you contain and control your own resources

How I used Amazon VPC in this project

I use Amazon VPC today to create a private subnet, a private Route table and a private Network ACL

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

This project went on as expected

This project took me...

This project took me about 20 minutes

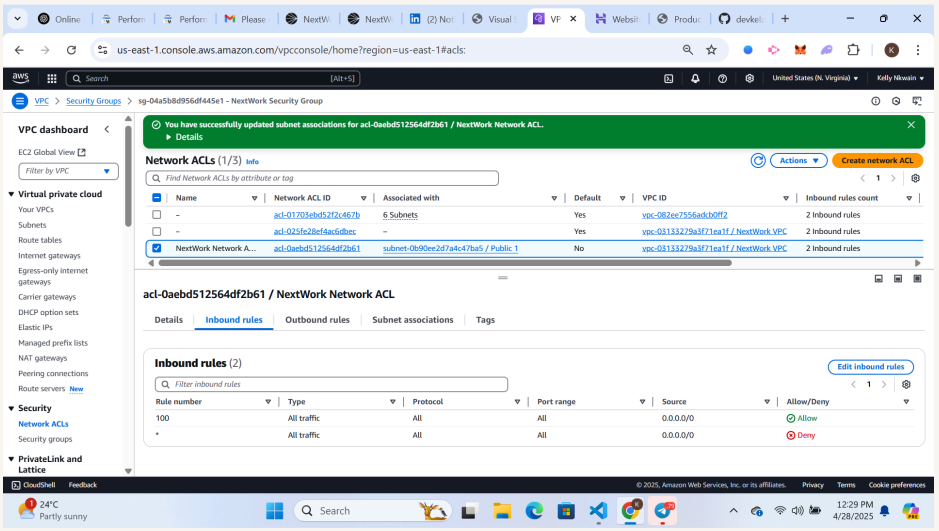
KELLY NKWAIN
NextWork Student

Private vs Public Subnets

The difference between public and private subnets is that the public subnet contains resources that can be access by the public while the private subnet contains resources that you want to keep private like databases which store clients details

Having private subnets are useful because they help store priavte resources therefore providing security. This helps so that only specific people can acess your private resources

My private and public subnets cannot have the same network ACL, Route table and gateways

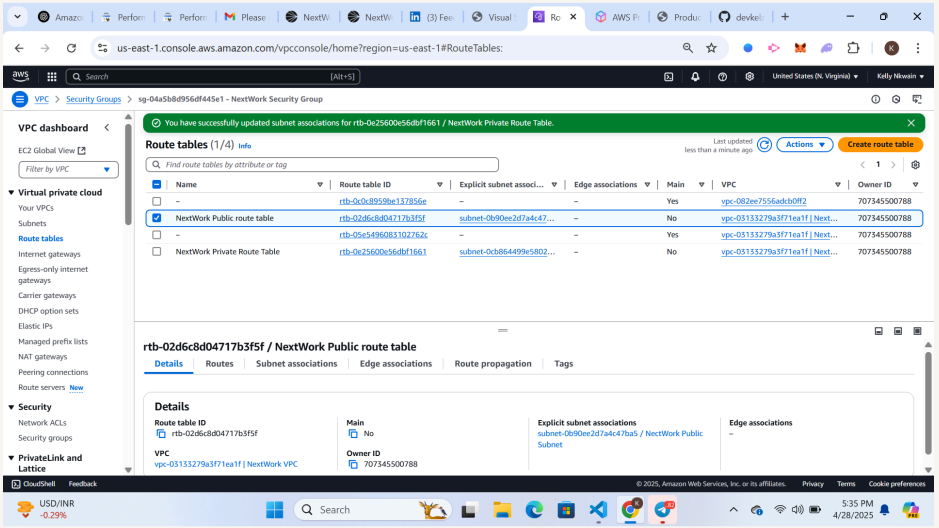


A dedicated route table

By default, my private subnet is associated with my default vpc route table

I had to set up a new route table because my private subnets needs a different route table that doesn't link directly to the internet but can have access to the internet in order to undergo updates and others

My private subnet's dedicated route table only has one inbound and one outbound rule that allows traffic within the VPC and to the internet through a NAT gateway

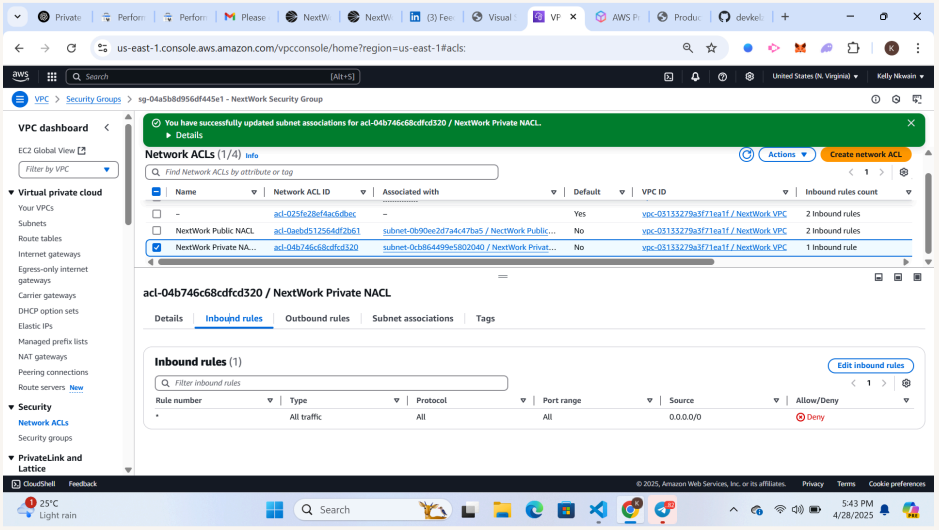


A new network ACL

By default, my private subnet is associated with the VPC's default Network ACL

I set up a dedicated network ACL for my private subnet because I want more control over the traffic allowed in and out such as: Restricting inbound access to only trusted IP ranges or services.

My new network ACL has two simple rules 1-Deny all other inbound traffic 2-Deny all other Outbound traffic



The place to learn & showcase your skills

Check out nextwork.org for more projects