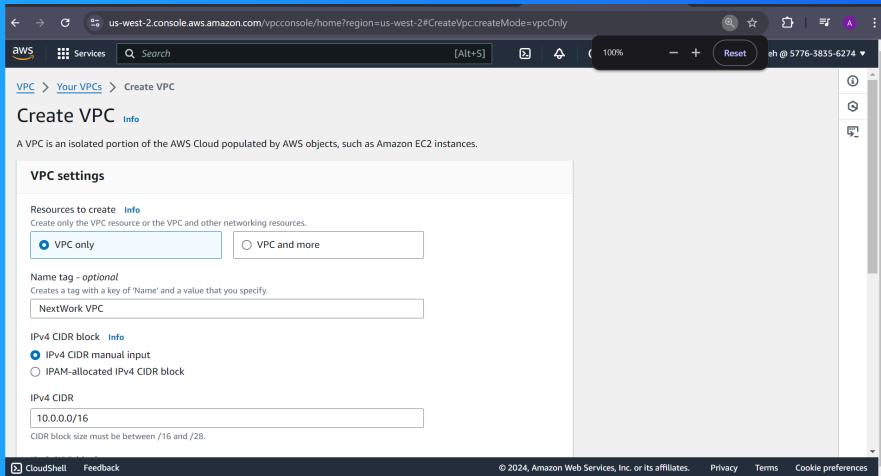




Build a Virtual Private Cloud

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Introducing Today's Project!

What is Amazon VPC?

Amazon VPC gives you full control over your virtual networking environment, including resource placement, connectivity, and security.

How I used Amazon VPC in this project

I used VPC to create a virtual private network for my subnets and attached an Internet Gateway.

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

Attaching the Internet Gateway to the subnets was not challenging.

This project took me...

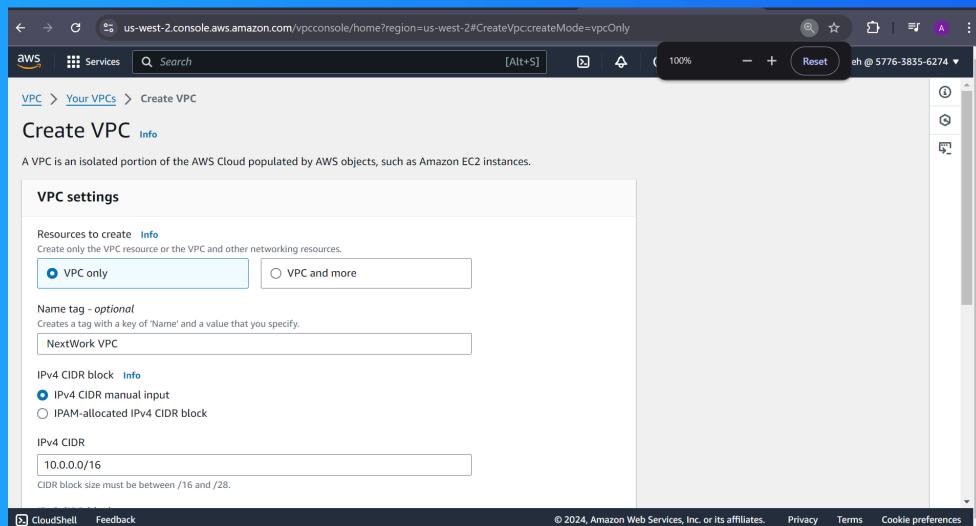
About 2 hours.

Virtual Private Clouds (VPCs)

A VPC is a resource that is used to manage other resources in the cloud.

There was already a default VPC in my account ever since my AWS account was created. This is because, it helps me get started quickly.

To set up my VPC, I had to define an IPv4 CIDR, which means, Internet Protocol version 4 Classless Inter-domain Routing.

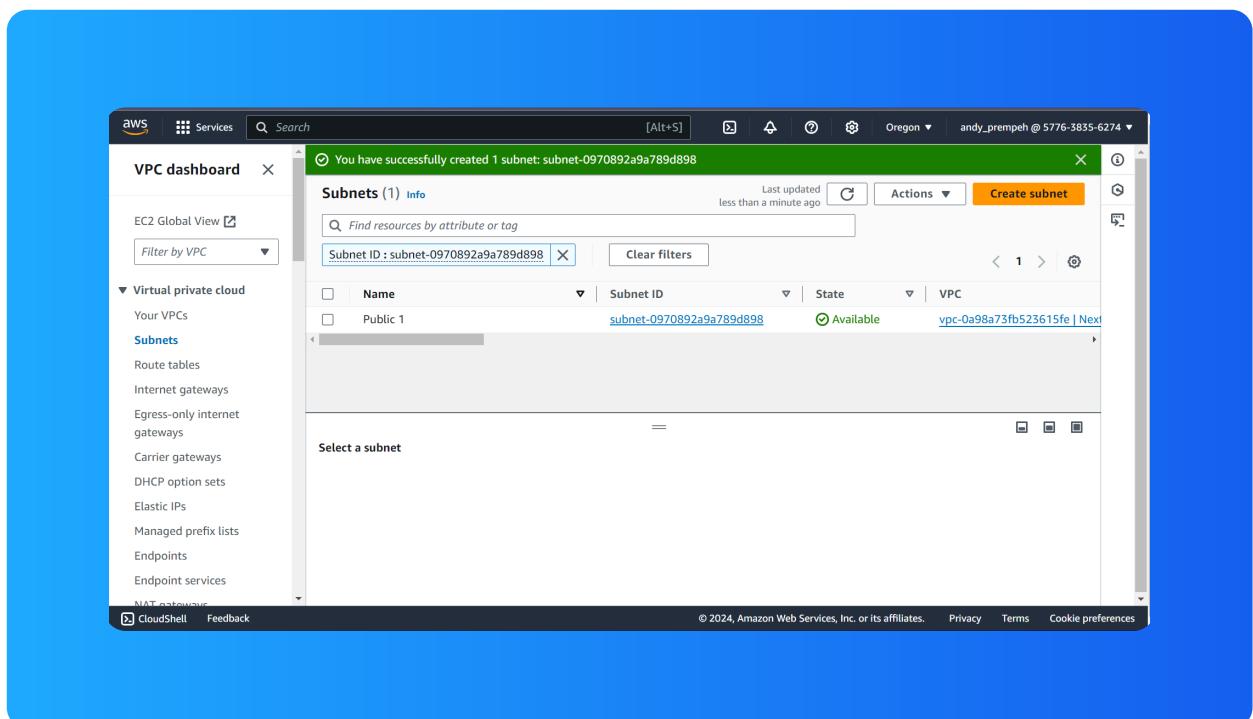


Subnets

Subnets are ranges of IP address in a VPC.

There are already subnets existing in my account, one for every Availability Zone that I have set up within my VPC. I have four default subnets.

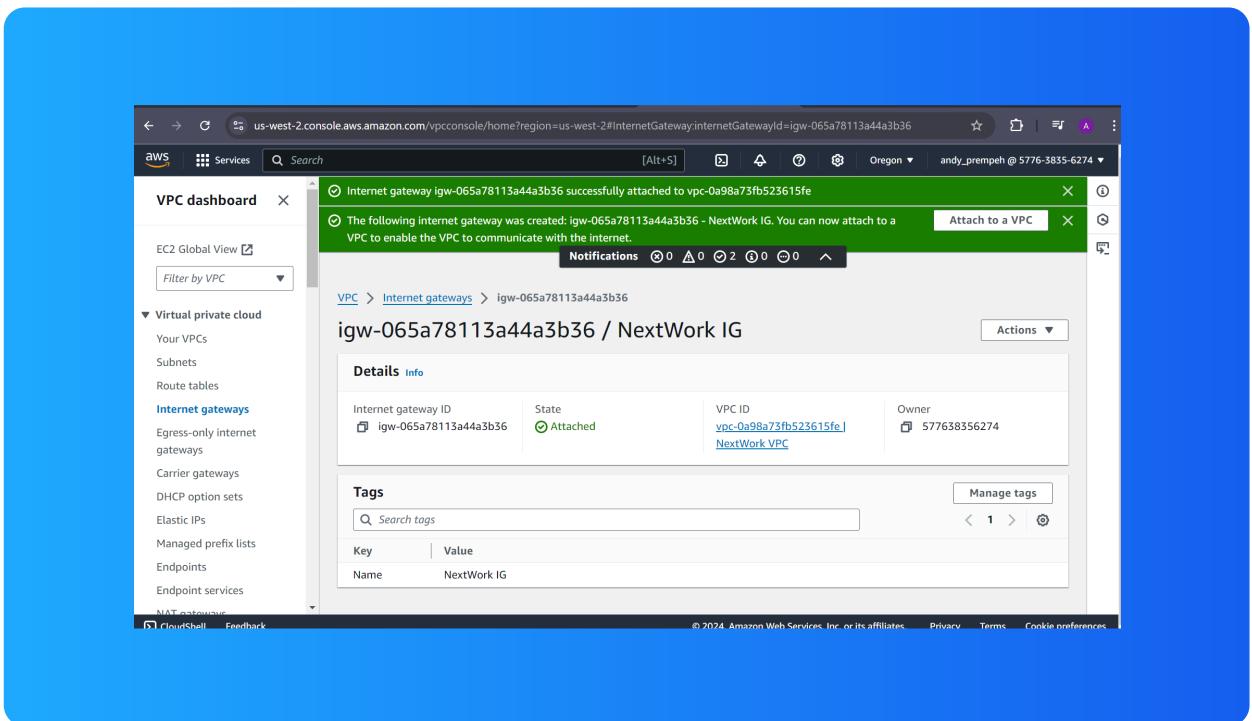
I named my subnet Public 1, but that doesn't automatically make my subnet a public subnet. For a subnet to be considered public, it has to be connected to an Internet Gateway in order to make it public.



Internet gateways

Internet gateways are the way to connect your VPC to the internet.

Attaching an internet gateway to a VPC means granting access to your VPC to access resources over the internet.





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