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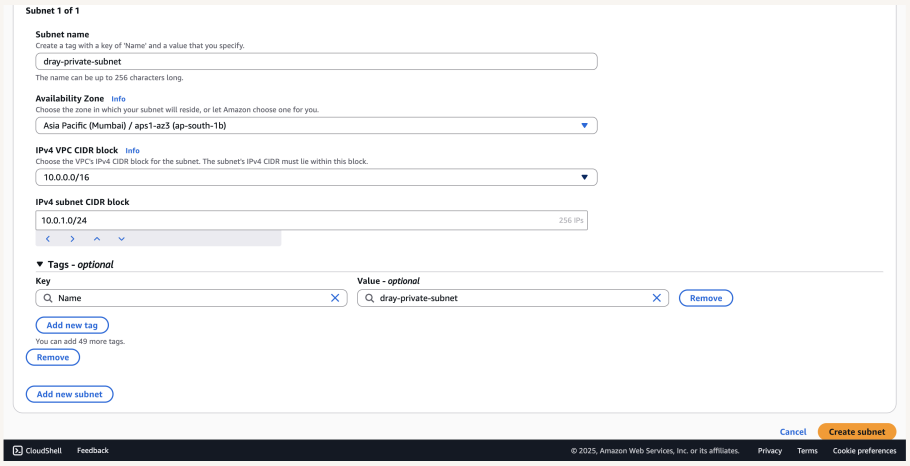
Creating a Private Subnet

Gaurav Balpande



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Gaurav Balpande
NextWork Student

Introducing Today's Project!

What is Amazon VPC?

Amazon VPC is the foundation networking tool in AWS used to create private space within the Amazon region to provide security and to easily manage the resources.

How I used Amazon VPC in this project

In today's project, I had created private subnet,private ACL and private route table.

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

One thing I didn't expect was to provide differnt route table and ACL for private subnet.

This project took me...

It's an easy project, took nearly 1 hr.

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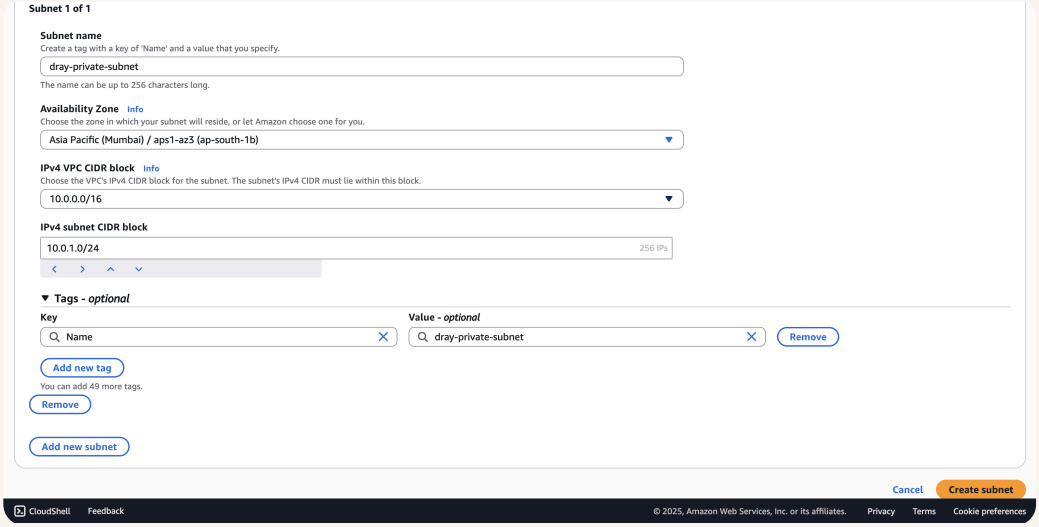
Private vs Public Subnets

The difference between public and private subnets is that public subnet resources are direcctly accessed by internet but private subnet resources can't.

Having private subnets are useful because there might be some services where we want security and don't to be available to all through internet.

My private and public subnets cannot have the same IPv4 VPC CIDR block because its like having same name for address which will cause conflict.

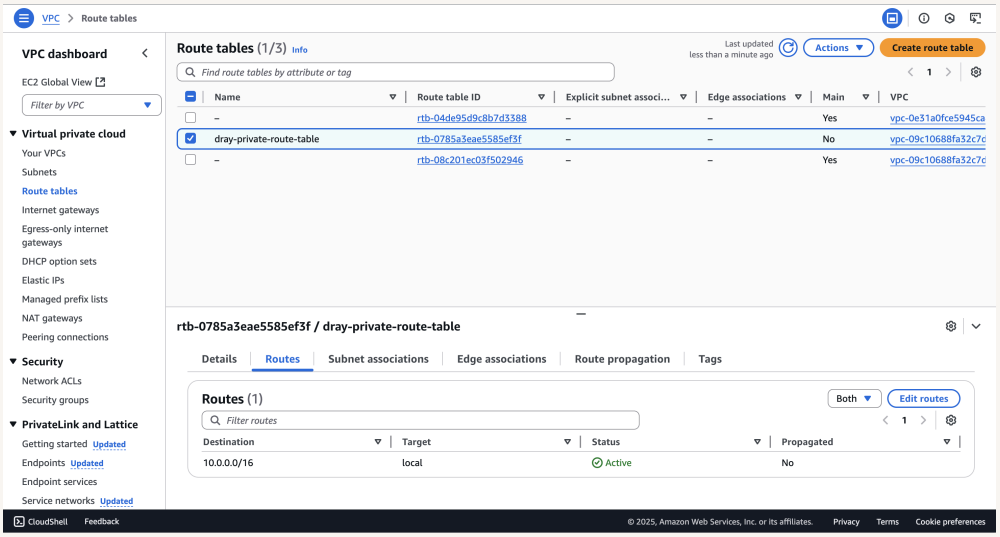


A dedicated route table

By default, my private subnet is associated with the VPC for the local connection.

I had to set up a new route table because public and private cant have the same route table as in public there is connection for internet but ib private it has locall connection for connection between resources.

My private subnet's dedicated route table only has one inbound and one outbound rule that allows the connection between local resources.

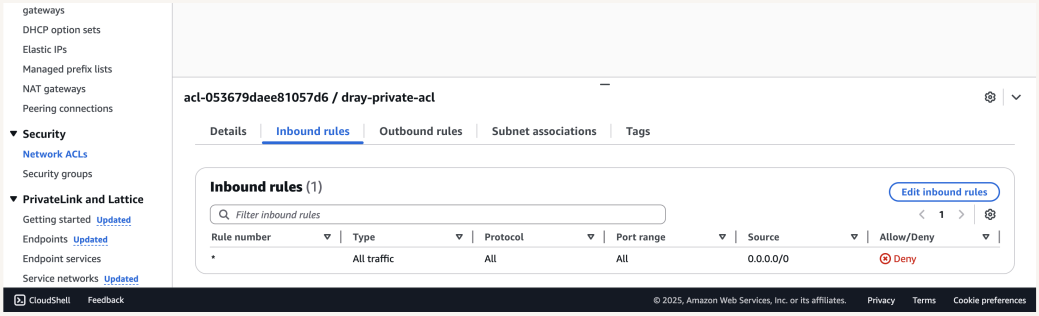


A new network ACL

By default, my private subnet is associated with default ACL which deny all inbound and outbound traffic.

I set up a dedicated network ACL for my private subnet because we dont want any connection with the internet and for ACL of public subnet there is internet connection.

My new network ACL has two simple rules - 1. deny all inbound traffic.. 2. deny all outbound traffic.



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