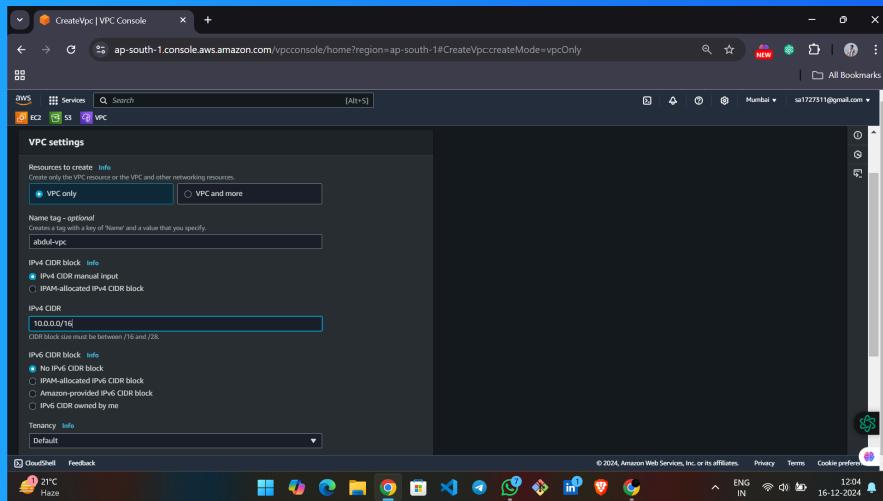




Build a Virtual Private Cloud

SH

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Introducing Today's Project!

What is Amazon VPC?

VPC (virtual private cloud) it is useful for storing private data in it .

How I used Amazon VPC in this project

I have used for Setting up and managing a VPC is a vital skill for anyone looking to master cloud infrastructure.

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

I didnt expect that it will be easy and undersatnding.

This project took me...

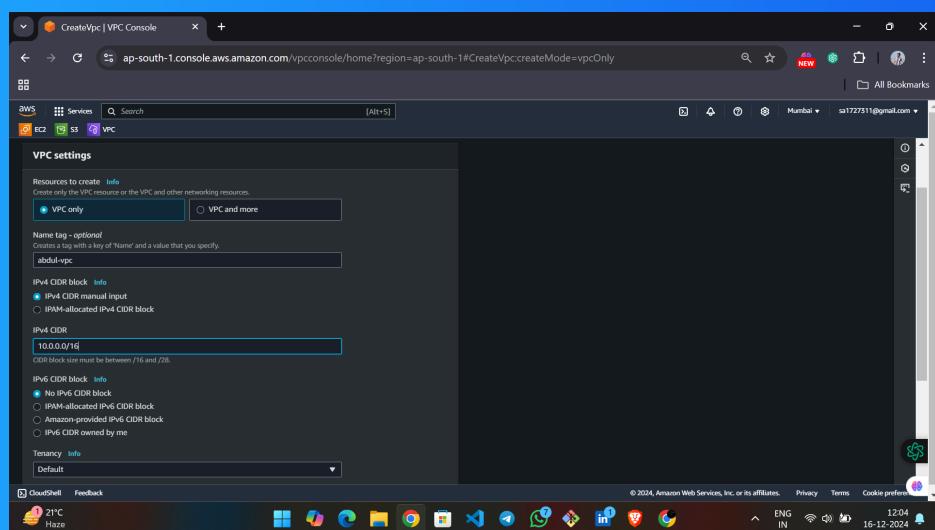
It took me 40 min to complete the project.

Virtual Private Clouds (VPCs)

VPCs are also known as virtual private cloud which can be used to store the personal data of the organisation or also can be used as private storage .

There was already a default VPC in my account ever since my AWS account was created. This is because, AWS automatically sets up a default VPC for you! This default VPC is why you could launch resources (e.g. EC2 instances) and connect services.

To set up my VPC,I had to define an IPv4 CIDR block,which is an ip address which is allotted to vpc .

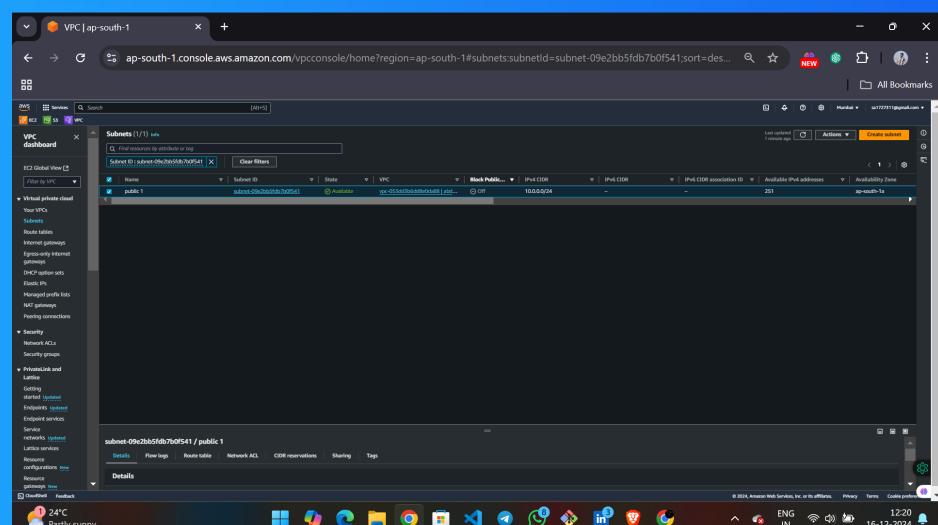


Subnets

Subnets are... There are already subnets existing in my account, one for every subnets there are rules and restrictions, Some subnets might be public and some might be private. We can create subnets as many as we want in same VPC.

Once I created my subnet, I enabled... This setting makes sure so that, When we enable auto-assign public IPv4 address for a subnet, any EC2 instance launched in that subnet will instantly get a public IP address so you won't have to create one manual

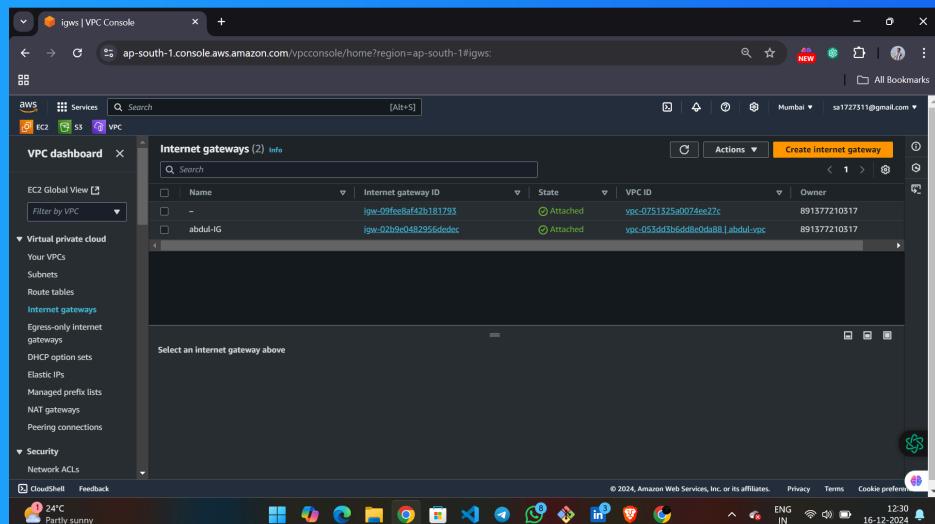
The difference between public and private subnets are, The public subnet are directly connected with internet , Where as in private subnet does not have direct internet access.



Internet gateways

Internet gateways are key to making applications available on the internet. By attaching an internet gateway, your instances can access the internet and be accessible to external users.

Attaching an internet gateway to a VPC means. If I missed this step the VPC cant have the internet access . We cant host the applications and Ec2 instances in public. So it is necessary to attach internet gateway to vpc.





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