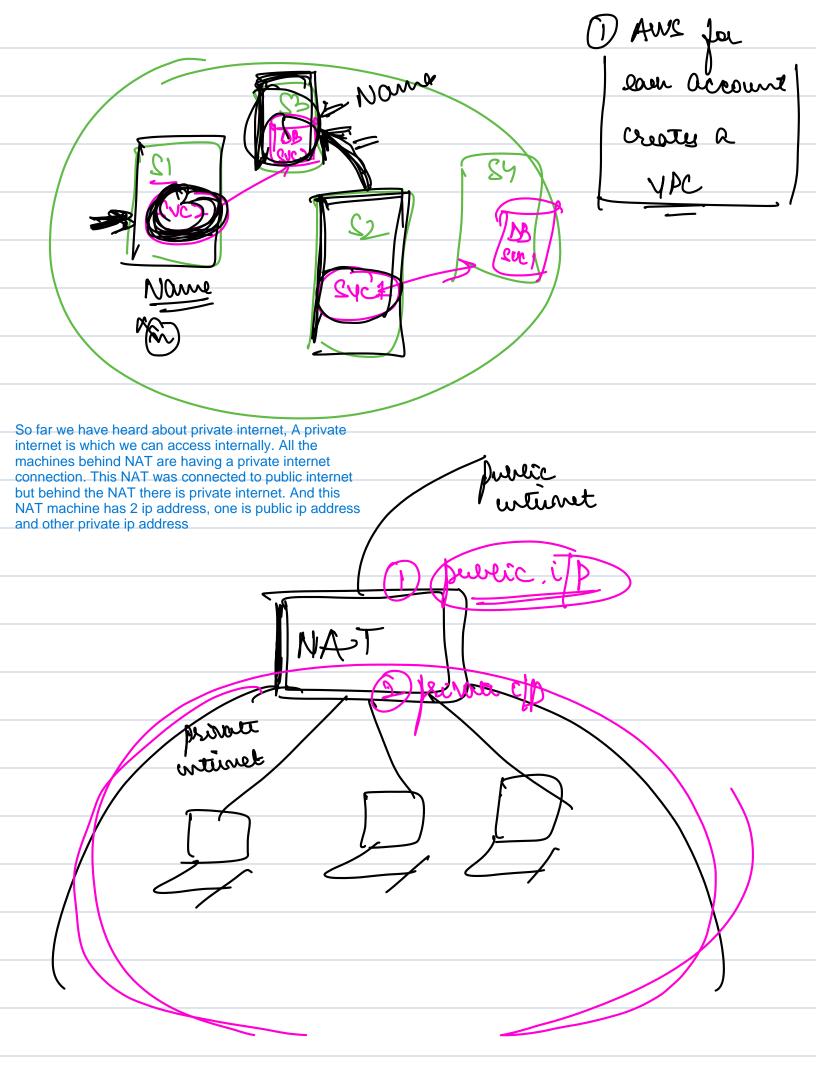


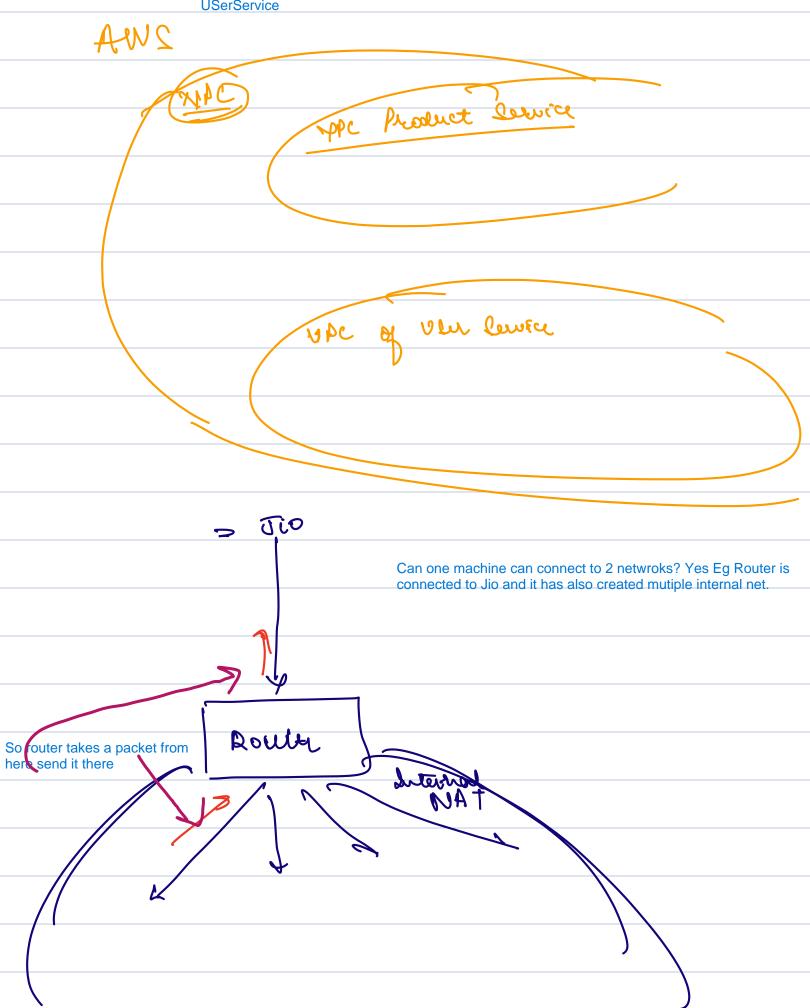
In the server 4 you are hosting db, S3 again Db and S1, S2 -> some other service. S1 is connecting with S3, S2 with S3

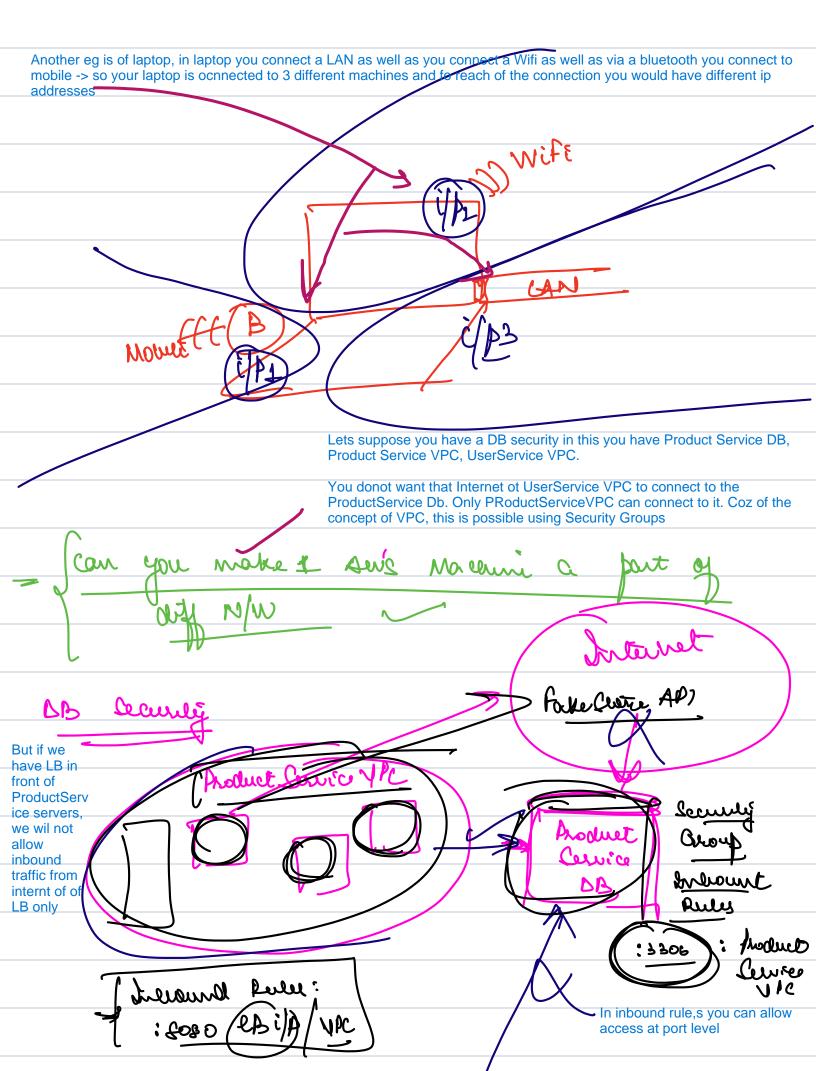
Now if S2 access the data of S3, and change code which has business constraint applied by S1 -> suppose Name should not start with 'N' and S2 changed for names starting with 'N' then there will be an issue. hence AWS provides level if isolation for each servers irrepescetive of the physical machine kept at the same location

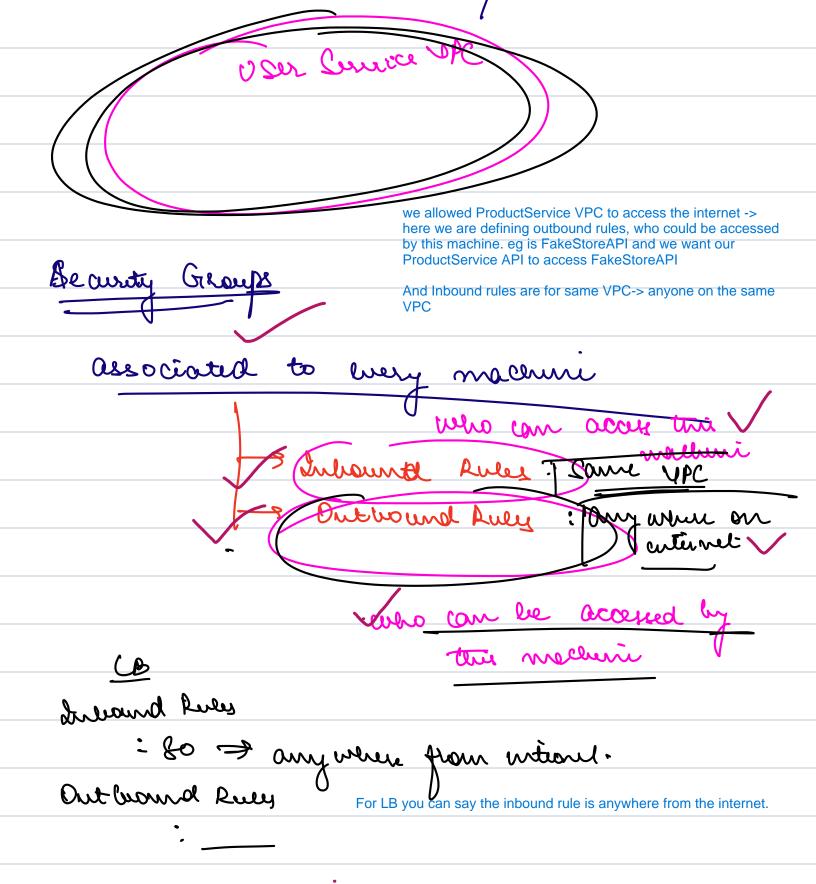


Whenever you create a AWS a/c, now AWS may have physical core location of multiple different companies but Amazon will try to provide you no physical but virtual isolation -> this means Amazon will put all of your machines in a private NAT So AMzon for each a/c will be creating a kind of a NAT and all of the virtual servers that you are creating, all of them are only connected to this NAT and these servers coz that are a part of NAT private network they can only talk to each other and not anyone else. -> Amazon calls this thing as Virtual Private Cloud Vuttal ecessed from other machine of This is said Virtual Private CLoud coz physically the machines can be kept near to each other but Virtually they are isolated. By default with a AWS a/c you get one 1VPC

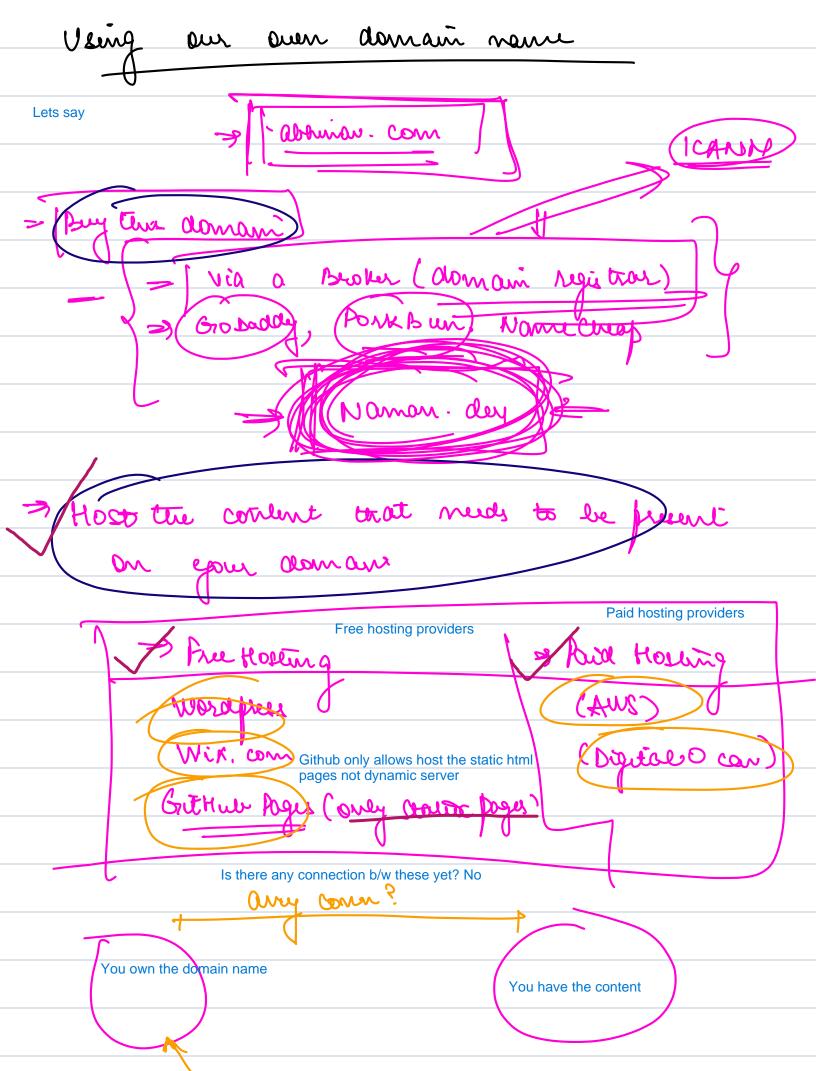
1 1 VPC as a part of your account.
2 Create More VPC/2 as you need.

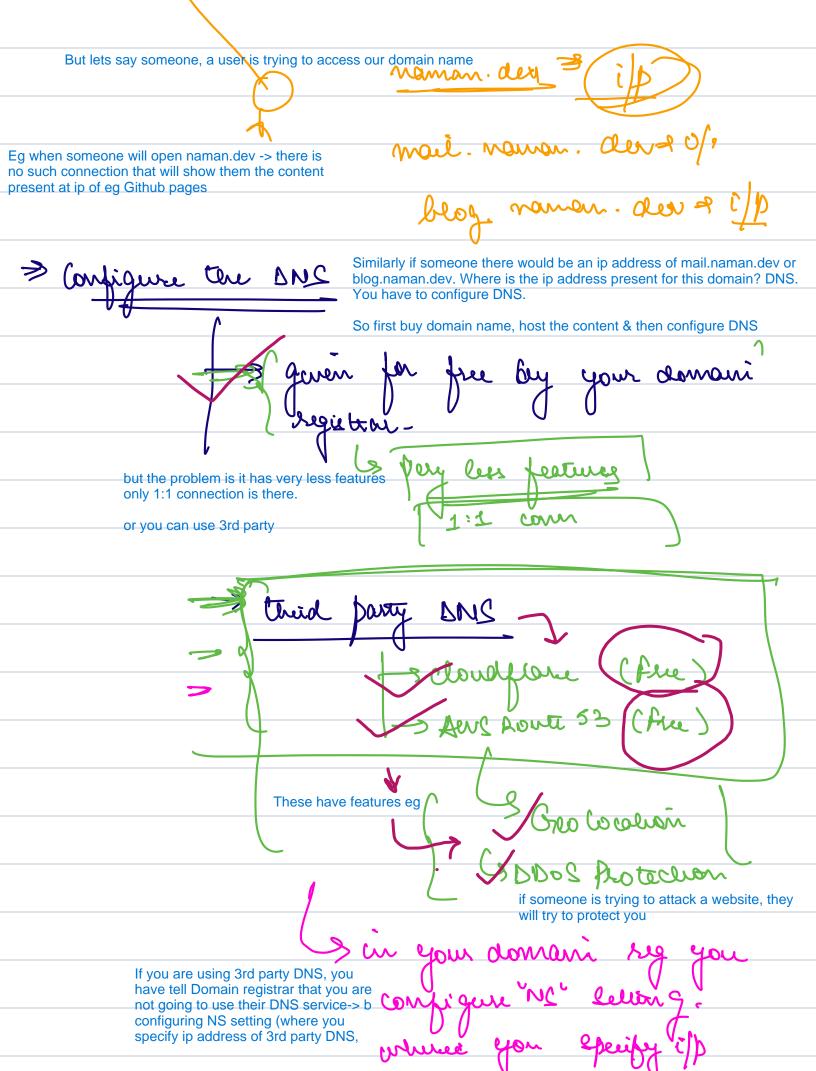






Lets say you want to host a website with the name, Abhinav.com, first of all you have to buy this domain. How they will buy, they will buy via broker (also called Domain Registrar) Eg of these are godaddy, Porkbun, NameCheap

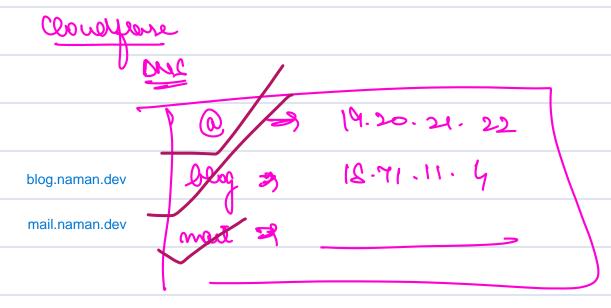




Eg I will go to Porkbun and I will say hey my servers are: NS -> ns1.cloudflare.com

DORKbun NEI, cloudybur. com

And then I will go to Cloudflare and on that I will set my DNS setting that if someone opens suppose @naman.dev the take him to 19.20.21.22 or as below



Cloudflare will assign a proxy ip addresss noone can know my real ip address of my server

So Now I will change my domain name NS(name servers) to Route 53. In Route 53 the first step is to setup your domain name and domain name in Route 53 is called a hosted zone.

i am moving cloudflare domain name servers to route 53 domain name servers