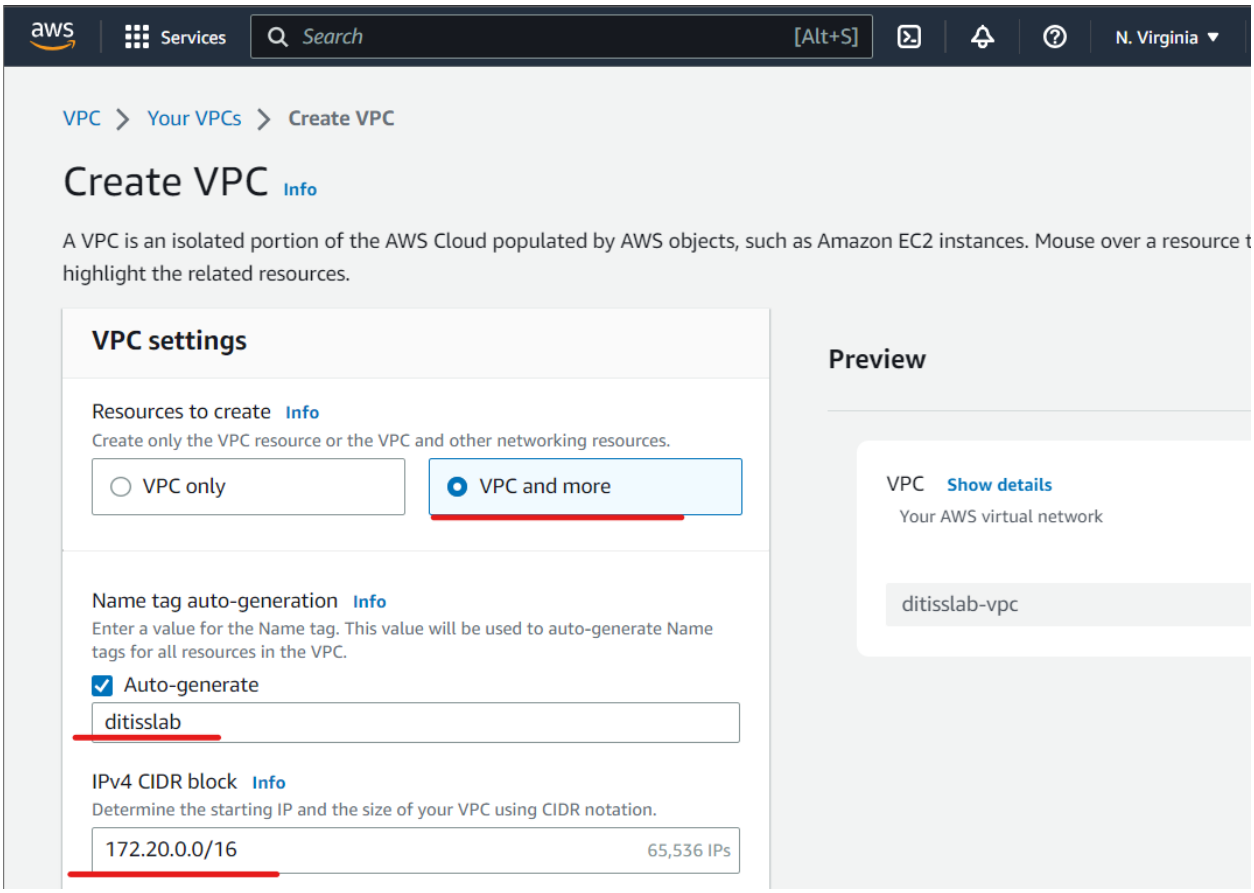
ADD VPC Service to AWS :

- Open AWS→search VPC → Create VPC → Name: ditisslab → autogenerate: tick→ ipv4 →



No. of availability zones : 1 → NAT Gateways : (In 1 AZ)→ DNS : Tick both boxes → **Create VPC .**

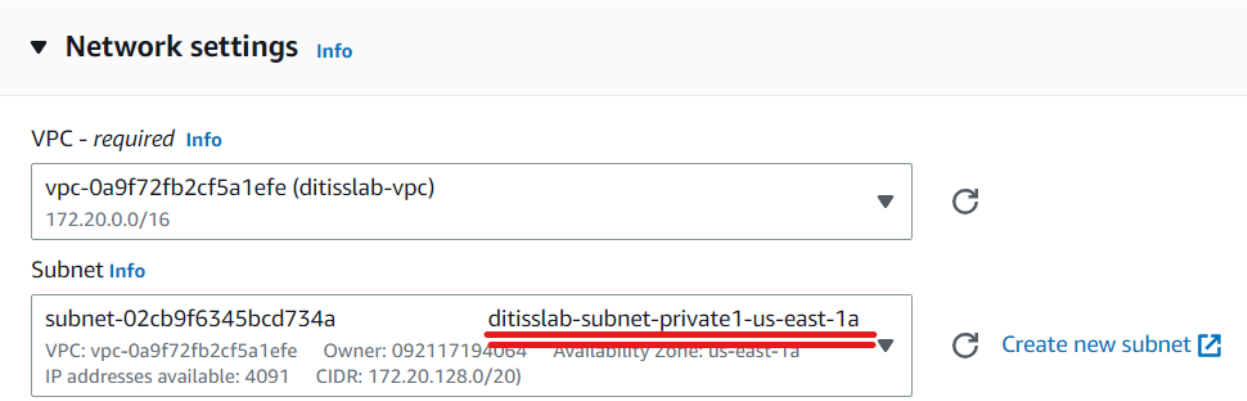
- Will install→ Click **View VPC**.

Create EC2 Instances :

Private Instance :

- **Launch instance→(same as creating EC2 instances) →**
- **Give name(private) → OS: Debian → Create new key→ name : (pem) → select .pem → Allow ALL traffic : HTTP & HTTPS→**
- **Network settings → VPC required: → select (VPC name** eg. ditisslab) →

- **Subnet → Select: (ditisslab-subnet-private) →**



- → **Launch instance .**

Public Instance :

- **EC2→Launch instances → Name: (Public) → Os : debian →Create key pair → Name: public→ select : .ppk → Not allow http,https→**
- **Network settings: Select: ditisslab-vpc→ select: public subnet → Auto-Assign public IP : Enable → Launch instance .**

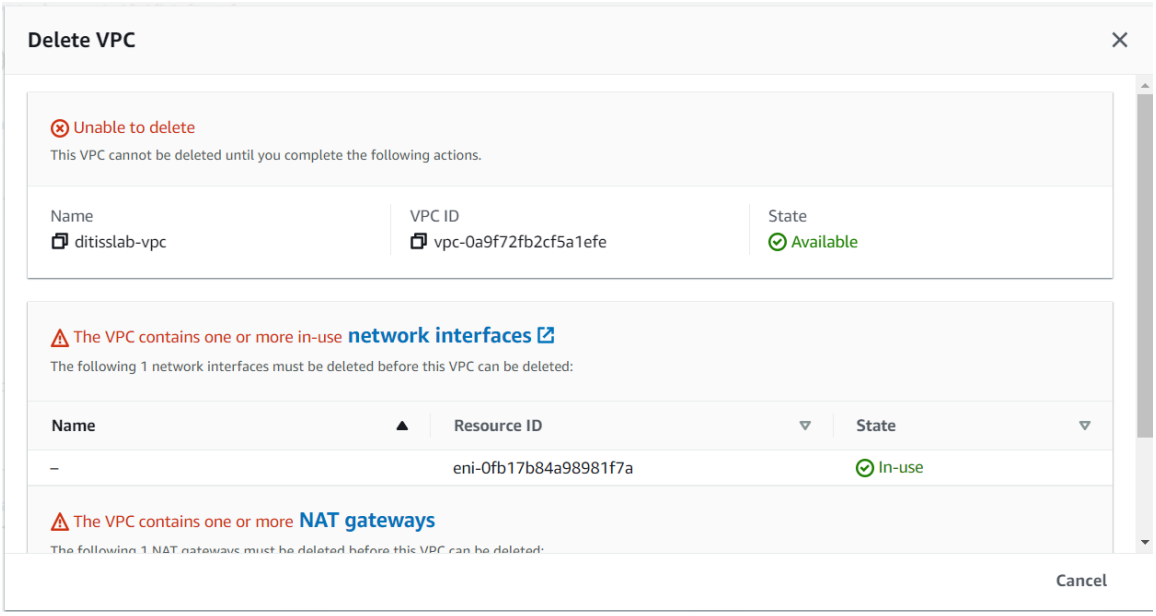
Connect public instance machine to putty →Go to putty→ Public ip → public key → save session → Login

- **Commands :**
  - nano key
    - *paste private key from private.pem file*
  - ssh -i key admin@*private ip(private instance)* → (will give error)
  - chmod 400 key
  - ssh -i key admin@private ip(private instance)
  - *We will give in private machine*
  - sudo apt-get update
  - sudo apt install apache2
  - sudo rm /var/www/html/index.html
  - sudo nano /var/www/html/index.html
    - *Type : (Private server)*
  - *Exit → We will go in public machine*
  - curl (private ip) → we will see private machine browser
  - links (private ip) → we will see private machine browser

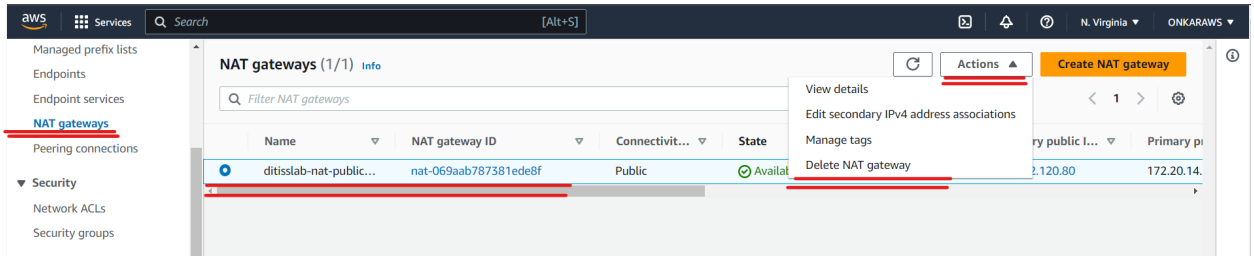
IMP :

Remove VPC : →

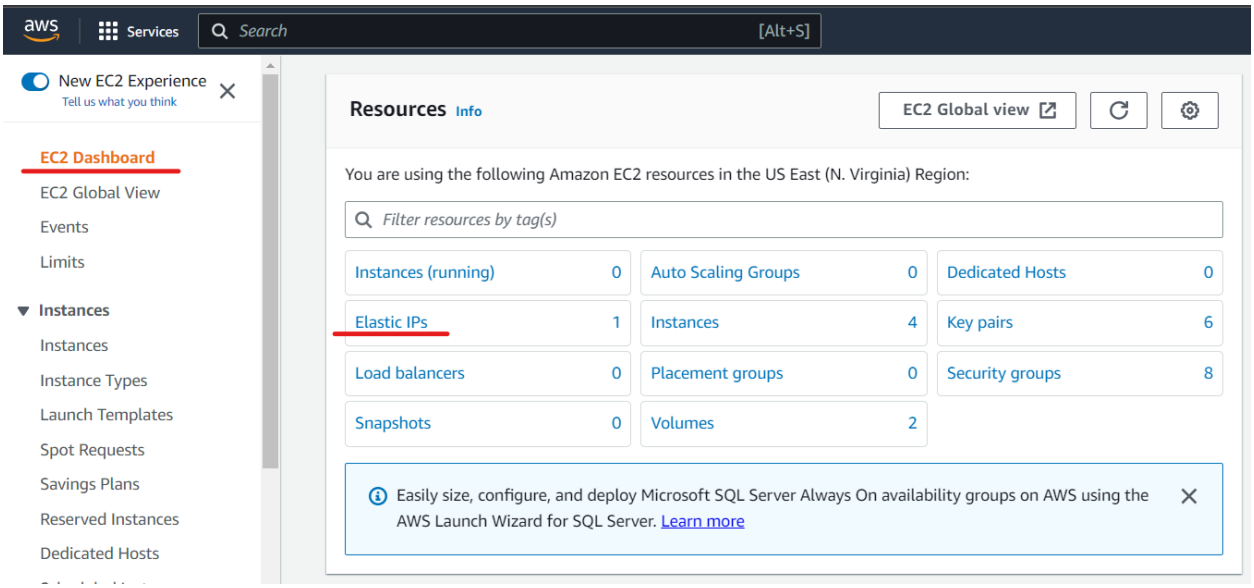
- **Terminate both instances→**
- **Then Go to All VPC → delete VPC created .**
  - **Will show 3 error red marks : →**



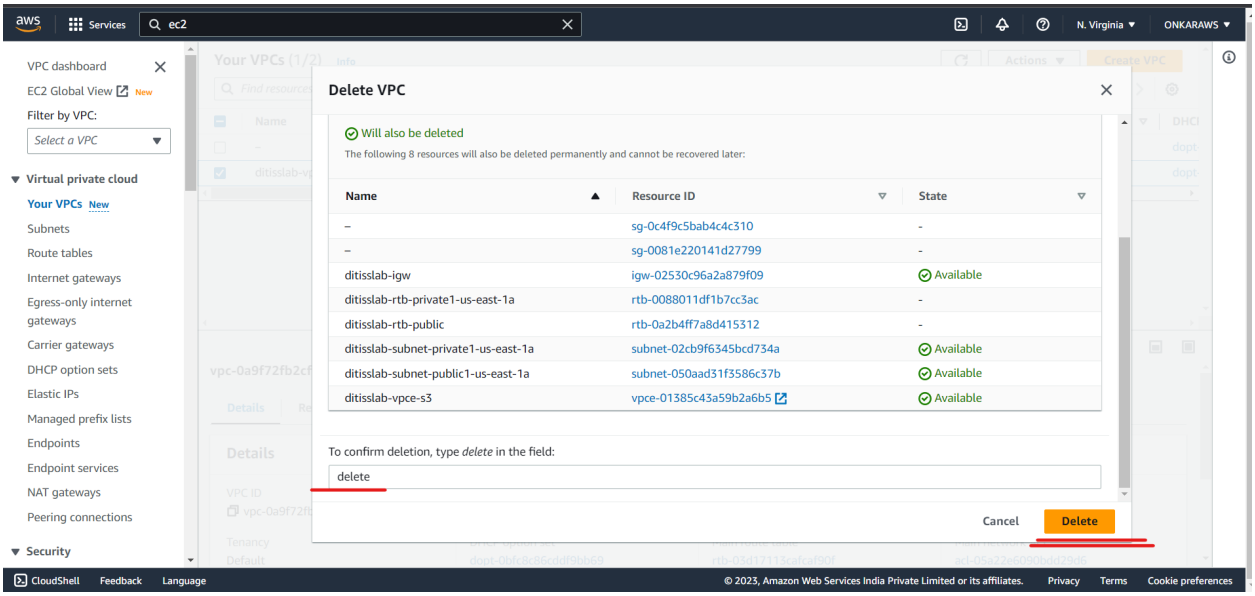
1. **Remove NAT gateway: → At left side → Actions→ Delete NAT gateway**



2. **→EC2 Dashboard → Elastic IP's → Select all → Actions : → Release elastic ip address**



3. **Then the VPC finally will delete : DELETE**



IMP: There should be Nothing in " Your VPC's " →

1. **Elastic IP's**
2. **NAT gateways**

Total no. of active regions should be : 0