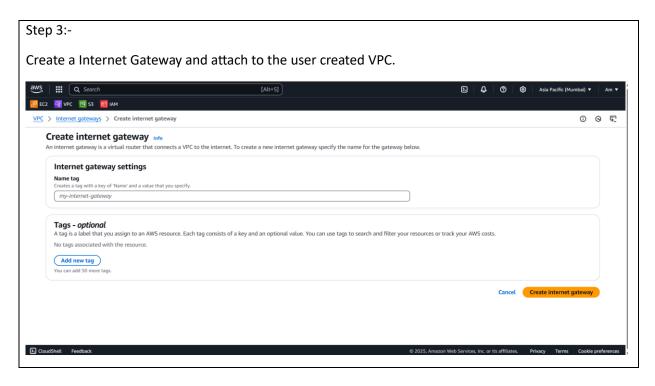
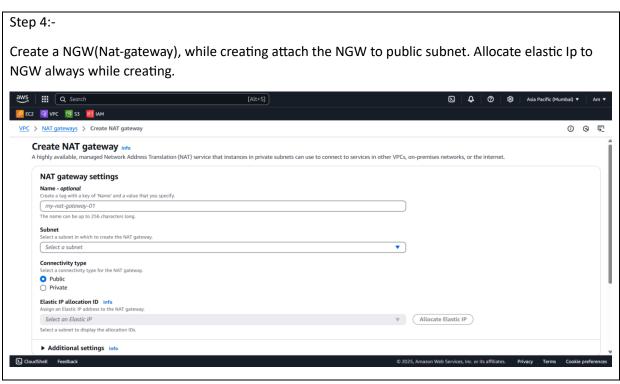


## Step 2:-Create 2 subnets one public and private, set CIDR values with caution as we need to communicate outside the region so the CDIR/IP's should never overlap each other. aws, | III Q Search [Alt+S] ▶ ♦ Asia Pacific (Mumbai) 🙋 EC2 🏻 VPC 📴 S3 🔠 IAM <u>VPC</u> > <u>Subnets</u> > Create subnet (i) (s) \$\frac{\pi}{2}\$ Create subnet Info VPC ID Create subnets in this VPC. Select a VPC • **Subnet settings** Specify the CIDR blocks and Availability Zone for the subnet. Select a VPC first to create new subnets. Add new subnet Cancel Create subnet ▶ CloudShell Feedback

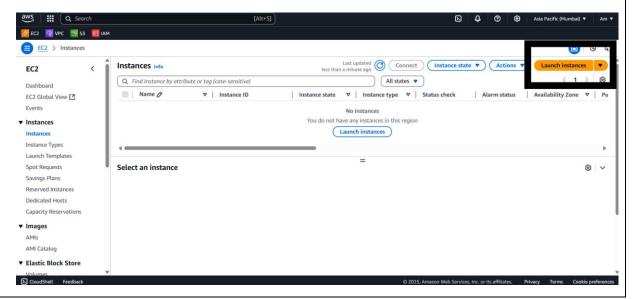


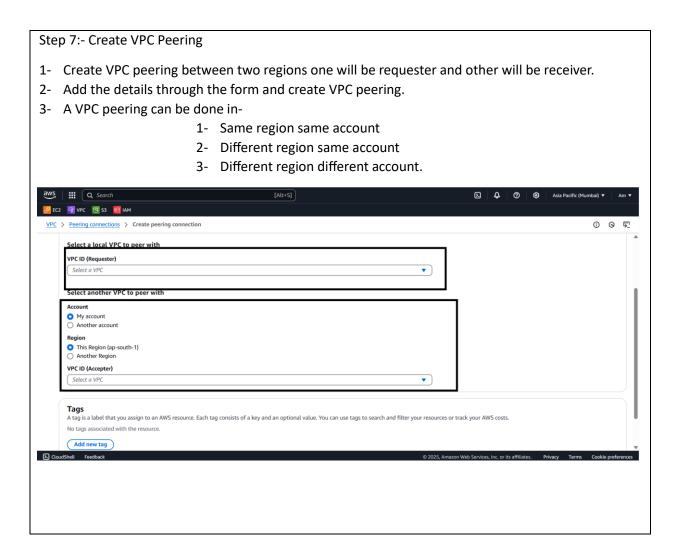


## **Step 5:- Creating Route Tables** 1- Create route table, one public and other private. 2- Add internet gateway to public route. 3- Add Nat-gateway to private route. 4- Edit subnet association of public route to public subnet. 5- Edit subnet association of private route to private subnet. [Alt+S] aws, | III Q Searc 🖸 EC2 🍓 VPC 👩 S3 🗧 IAM VPC > Route tables > Create route table () () (F) Create route table Info Route table settings Name - optional Create a tag with a key of 'Name' and a value that you specify. VPC The VPC to use for this route table. Select a VPC Tags A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs. Add new tag ∑ CloudShell Feedback



- 1- Create one public ec2 instance in one AZ(availability zones), the security group should be all traffic.
- 2- Create another private ec2 instance in other AZ, security group should be same which is used in public instance.





## NOW FOR CONNECTING PUBLIC INSTANCE TO PRIVATE INSTANCE OF DIFFERENT REGIONS-

- 1- IN THE PUBLIC ROUTE TABLE, WE NEED TO ADD BOTH THE IP'S OF THE INSTANCES CREATED IN DIFFERENT REGION
  - **EX-** PUBLIC INSTANCE IN MUMBAI REGION WANTS TO CONNECT WITH THE PRIVATE INSTANCE CREATED IN NORTH VIRIGINIA.
- 2- SO INORDER TO ESTABLISH THEIR CONNECTION FIRSTLY WE ADD IP'S OF BOTH THE INSTANCES IN PUBLIC AND PRIVATE ROUTES OF MUMBAI REGIONS, FOLLOW THE IMAGE BELOW FOR THE SEQUENCE TO ADD ROUTE FOR THE IP'S.
- 3- WHILE ADDING THE ROUTE SELECT PEERING CONNECTION OPTION AND ADD VPC PEERING ID WHICH WE HAVE CREATED EARLIER.

