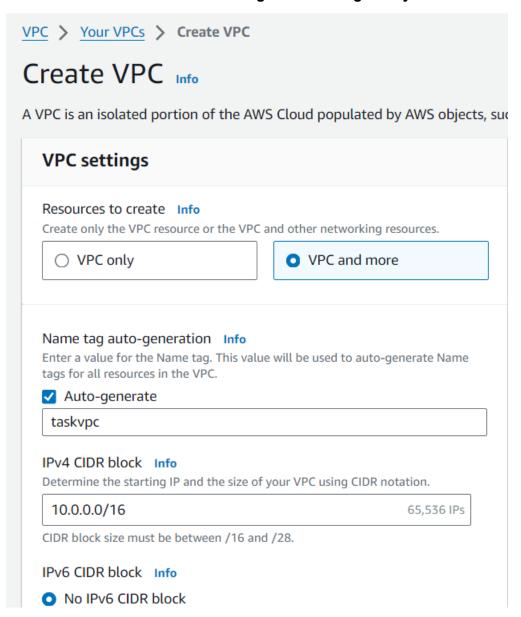
Task 14: set up a VPC with an Internet gateway, create a public subnet, a private subnet make a route table connecting the Internet gateway and the subnets, and launch a Linux EC2 instance by using the above vpc and public subnet.

1. set up a VPC with an Internet gateway, create a public subnet, a private subnet make a route table connecting the Internet gateway and the subnets:



# Number of Availability Zones (AZs) Info

Choose the number of AZs in which to provision subnets. We recommend at least two AZs for high availability.



### Customize AZs

## Number of public subnets Info

The number of public subnets to add to your VPC. Use public subnets for web applications that need to be publicly accessible over the internet.



### Number of private subnets Info

The number of private subnets to add to your VPC. Use private subnets to secure backend resources that don't need public access.

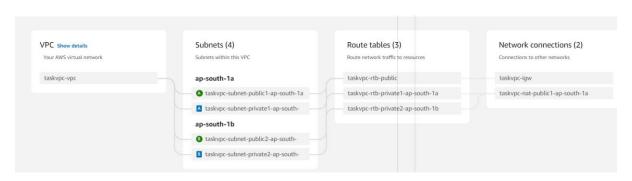


### ▶ Customize subnets CIDR blocks

## NAT gateways (\$) Info

Choose the number of Availability Zones (AZs) in which to create NAT gateways. Note that there is a charge for each NAT gateway





Success

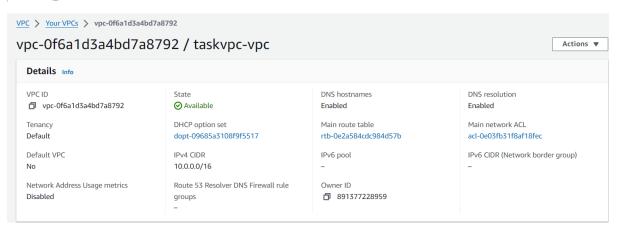
### ▼ Details

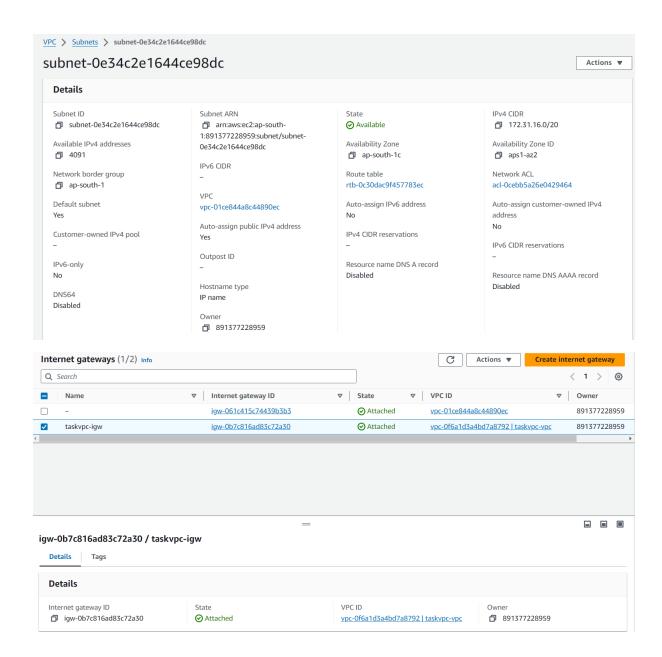
- ✓ Verifying VPC creation: vpc-0f6a1d3a4bd7a8792

- Attach internet gateway to the VPC
- Create route

- Allocate elastic IP: eipalloc-0c47a69bbffbede33
- Wait for NAT Gateways to activate
- Create route

- Create route
- Associate route table

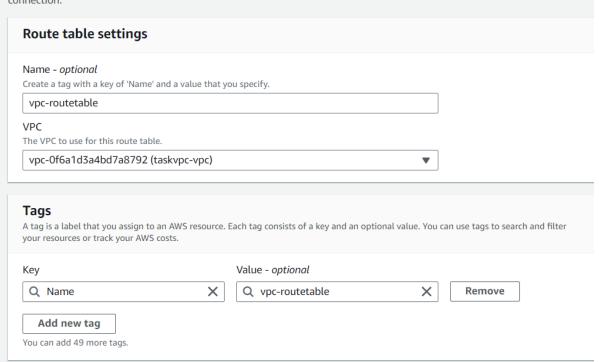


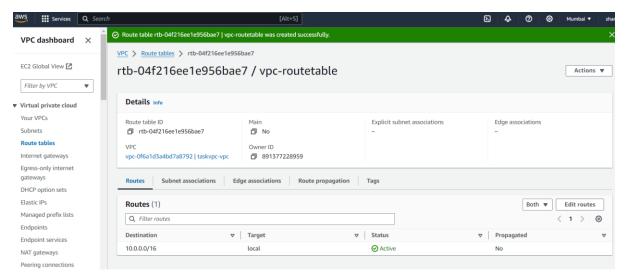


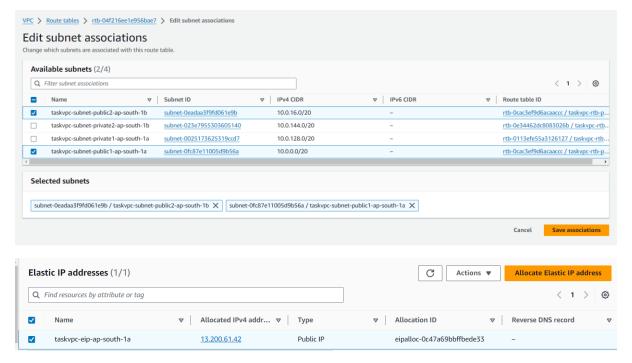
VPC > Route tables > Create route table

# Create route table Info

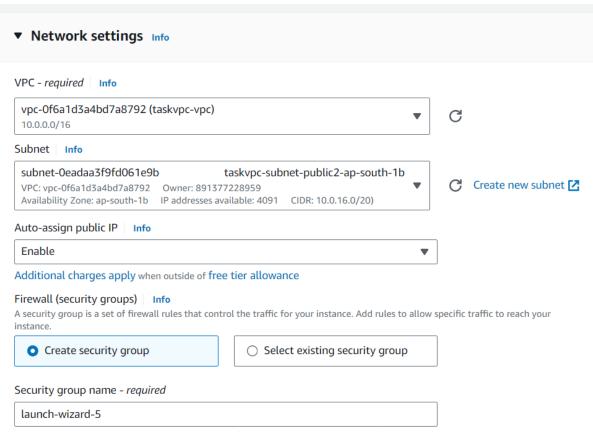
A route table specifies how packets are forwarded between the subnets within your VPC, the internet, and your VPN connection.







2. launch a Linux EC2 instance by using the above vpc and public subnet:-



This security group will be added to all network interfaces. The name can't be edited after the security group is created. Max length is

