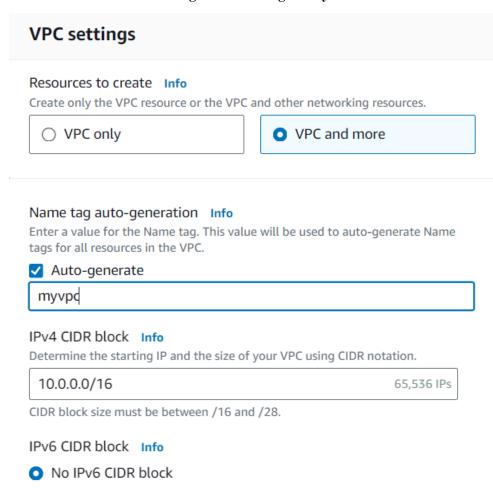
Task 14: set up a VPC with an Internet gateway, create a public subnet, a private subnet make a route table connecting the Internet gateway and the subnets, and launch a Linux EC2 instance by using the above vpc and public subnet.

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

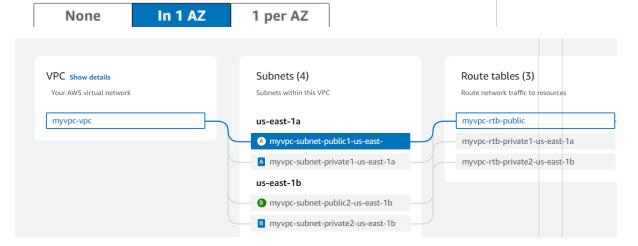
The number of private subnets to add to your VPC. Use private subnets to secure backend resources that don't need public access.



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



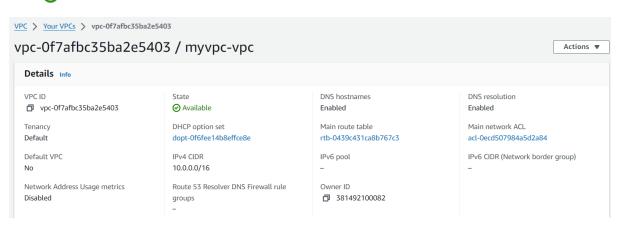
Success

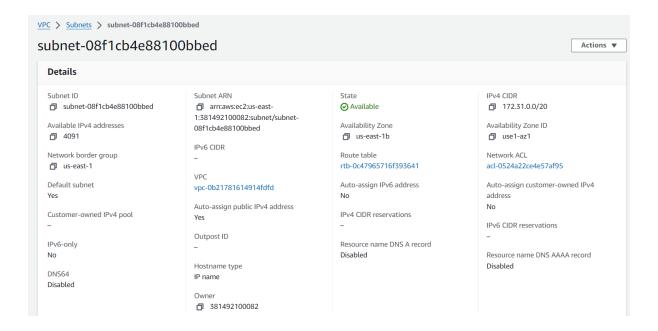
▼ Details

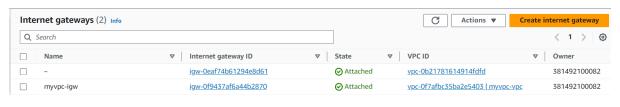
- Enable DNS hostnames
- Enable DNS resolution
- ✓ Verifying VPC creation: vpc-0f7afbc35ba2e5403

- Attach internet gateway to the VPC
- Create route
- Associate route table
- Associate route table

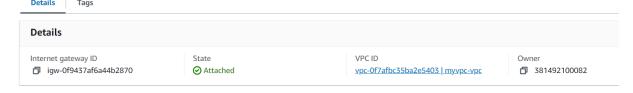
- Wait for NAT Gateways to activate
- Create route
- Associate route table







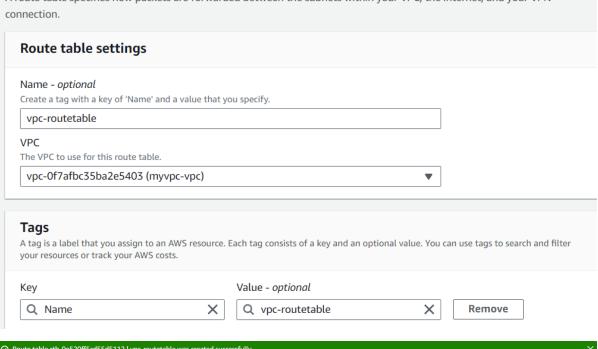
igw-0f9437af6a44b2870 / myvpc-igw

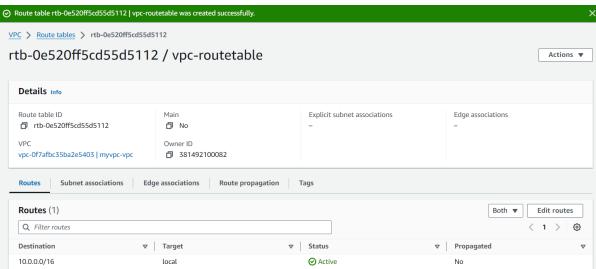


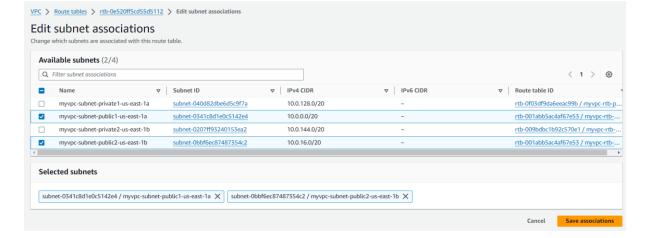
VPC > Route tables > Create route table

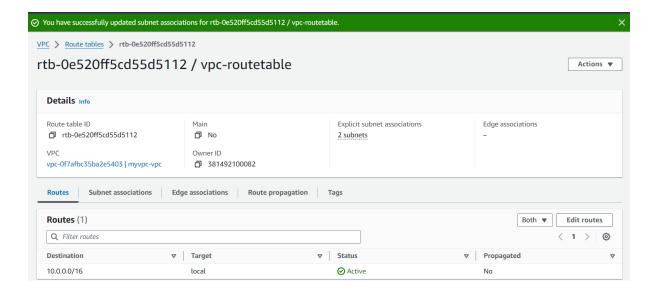
Create route table Info

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



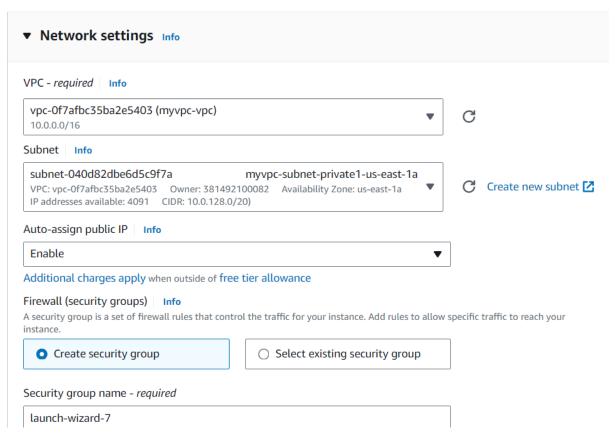








2. launch a Linux EC2 instance by using the above vpc and public subnet:-



Firewall (security groups) Info

vpc-securitygroup

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.



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 255 characters. Valid characters: a-z, A-Z, O-9, spaces, and ._-:/()#,@[]+=&;(}!\$*

Description - required | Info vpc-securitygroupforec2

Inbound Security Group Rules

