

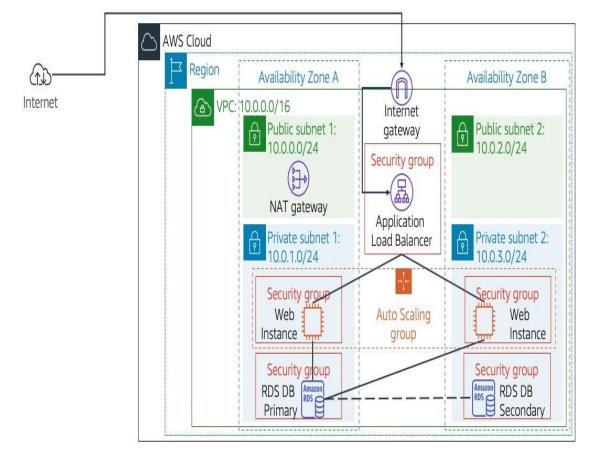
October project

New project launches In AWS

Hello, my name: Aya Rabih working Dev-ops engineering in multinational lovely company and today we will learn how to Scale and Load Balance to web server Architecture and Multi AZ RDS.

This project it is so critical to lean it and get more info for cloud and AWS.

So, in this documentation you will find all steps you need it to create it with deep details



This project contains the following services.

- Create your AWS account or use labs for AWS to also save your money.
- ♣ Choose your region you will working it.
- Create your VPC to save your resources in it.
- Create your availability zone to make scale for your resources.
- ♣ Create 2 public subnet.
- ♣ Create 2 private subnet.

- ♣ Attach your internet gateway.
- **4** Create Nat gateway.
- **♣** Create load balancing.
- **4** Create autoscaling.
- **4** Create templet.
- **4** Lunch instance
- **↓** Lunch RDS my SQL

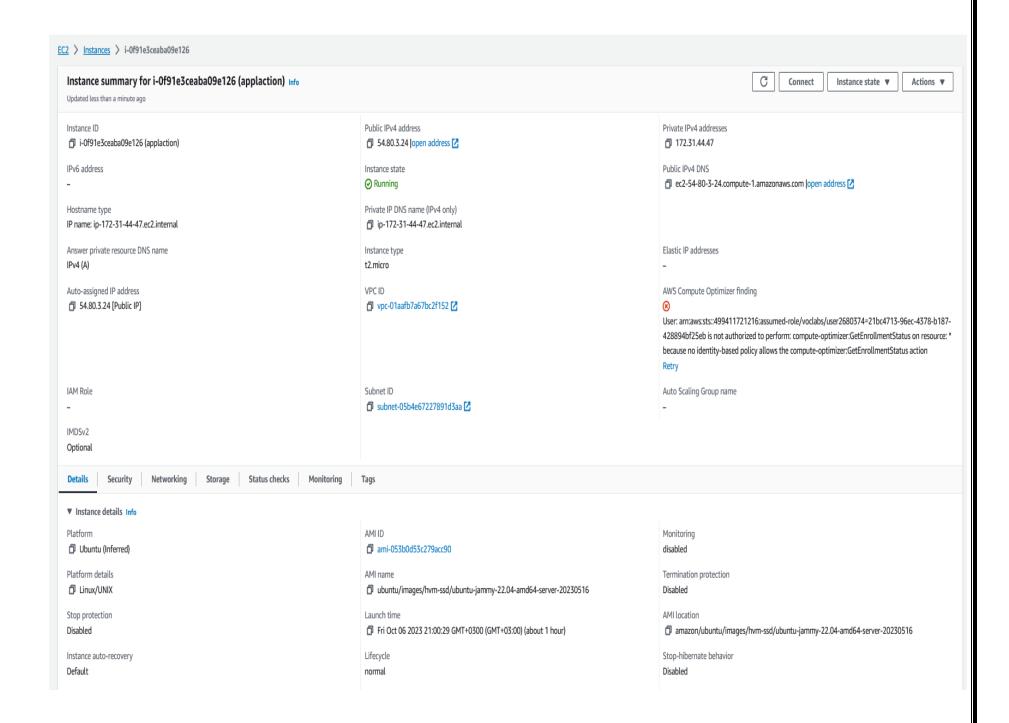
Create by Aya Rabih

Linked in

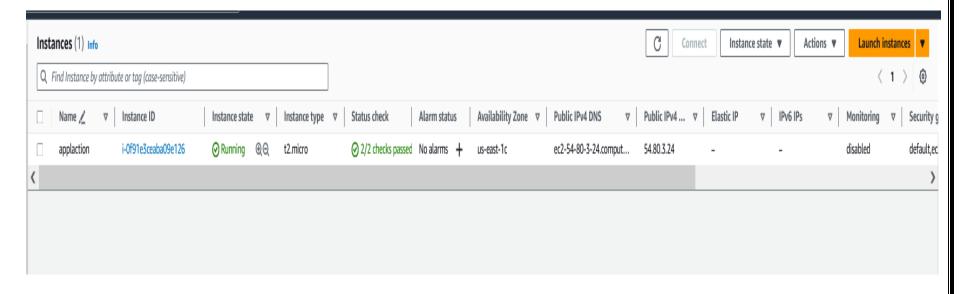


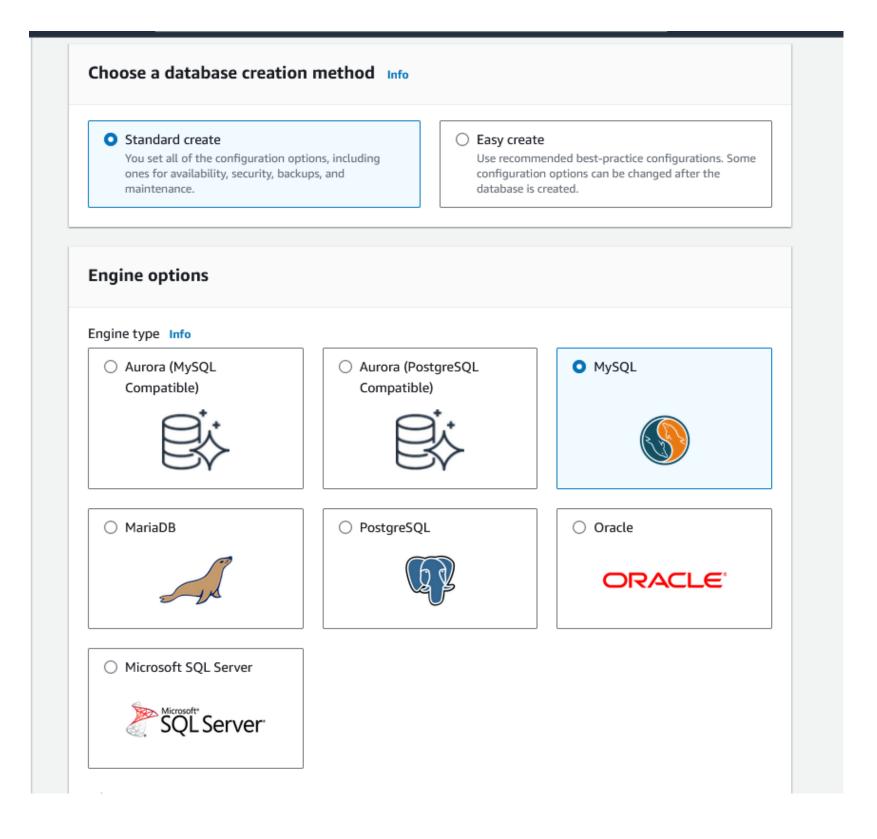
Project: build your web app in multi zone RDS with high availability

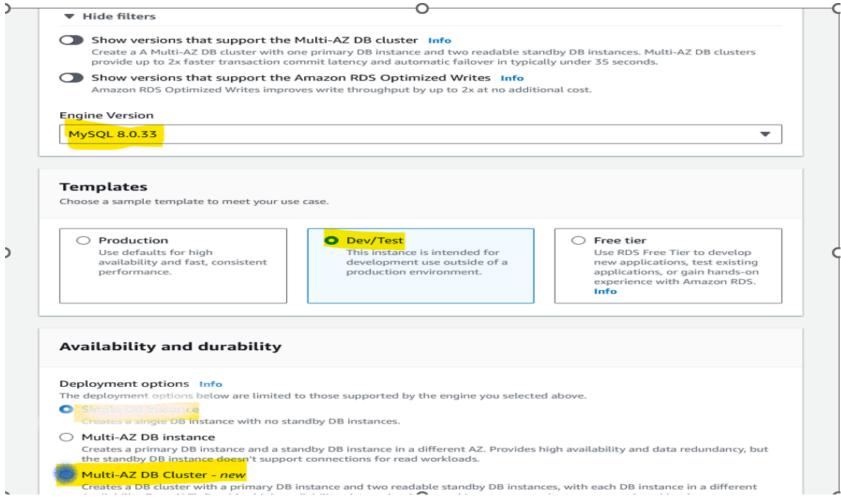
Create ec2 with name application.

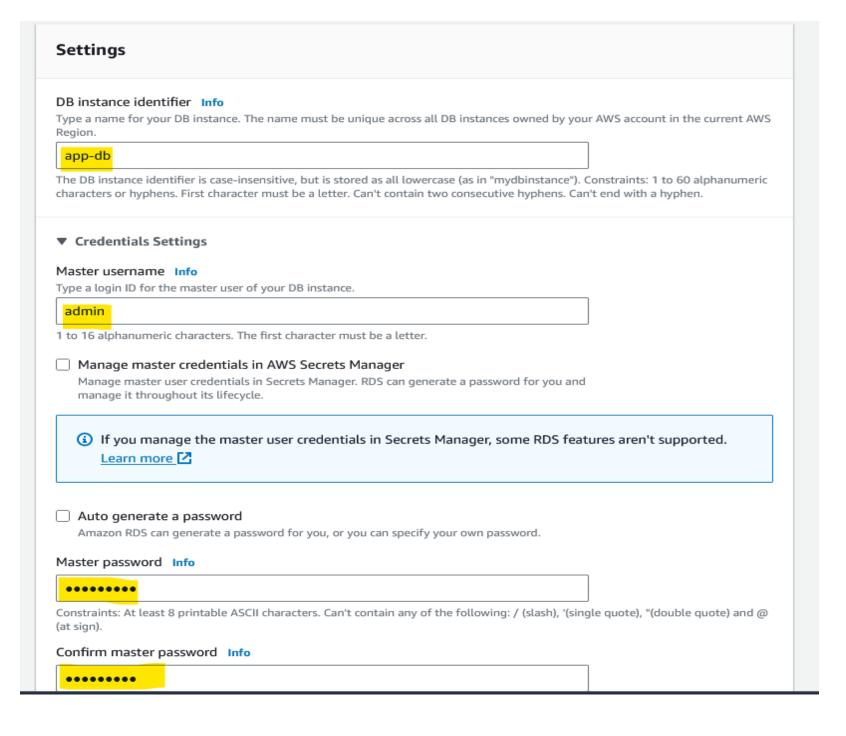


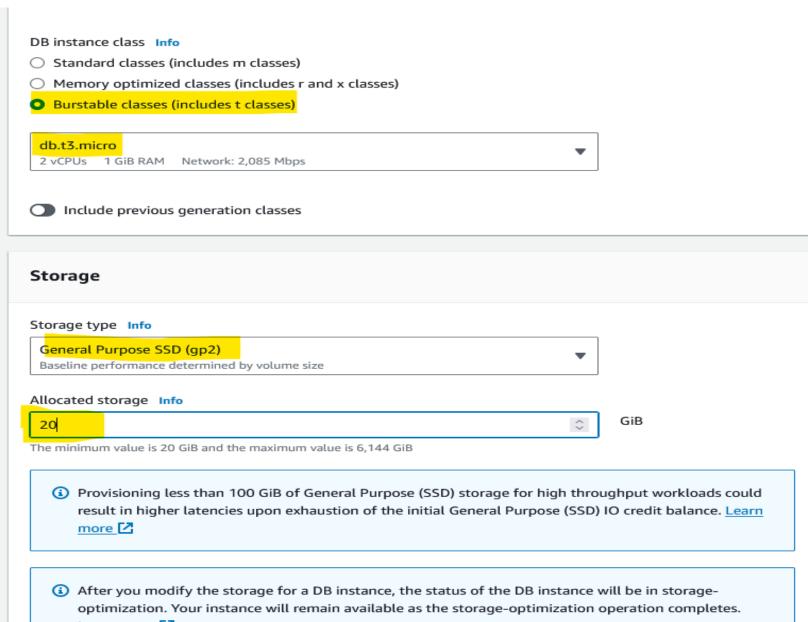
And after launch it will be like that

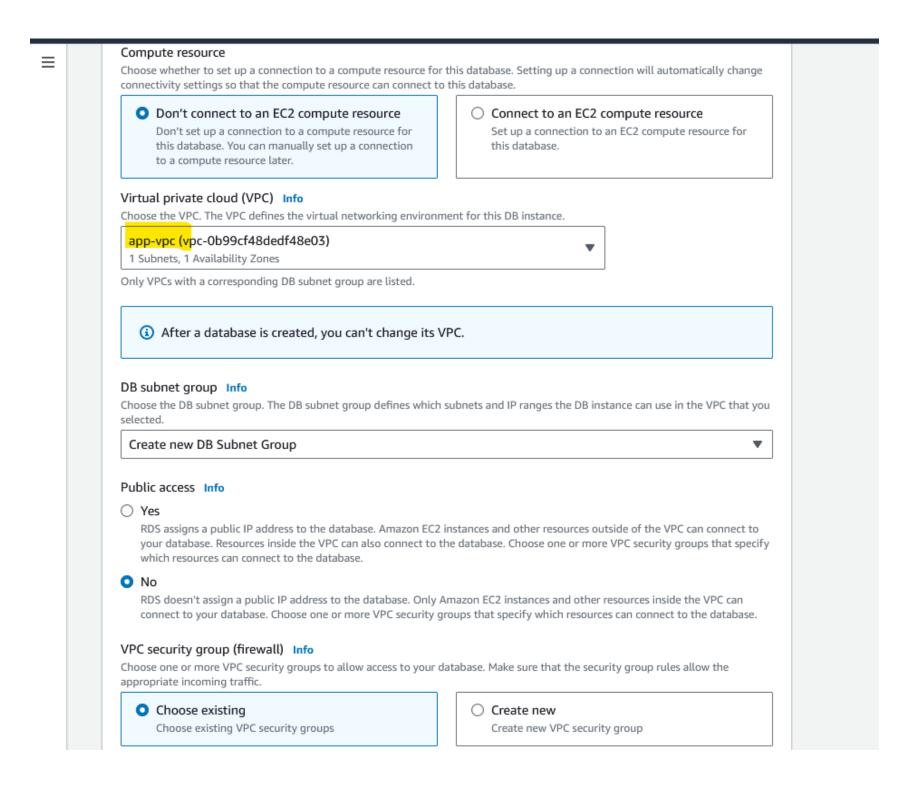


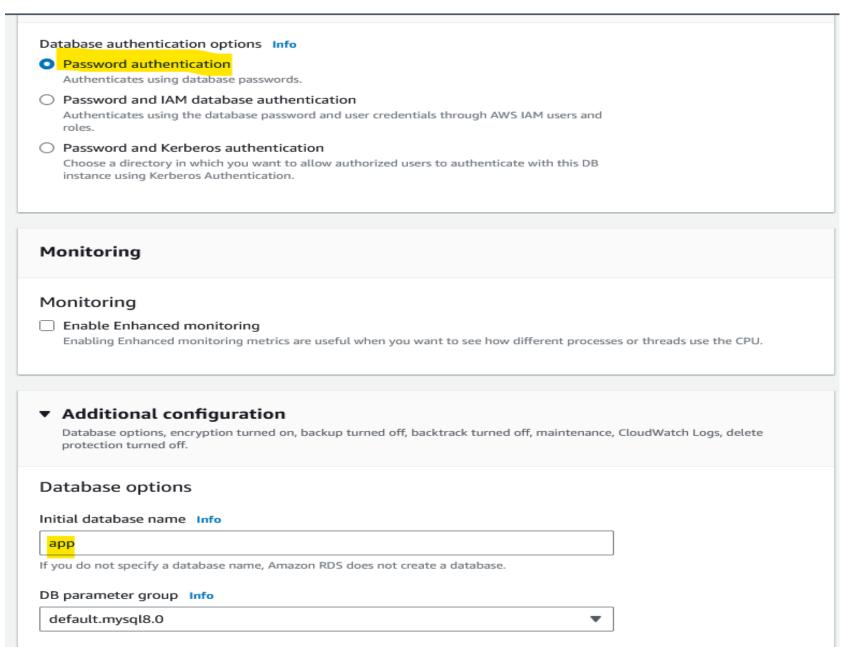


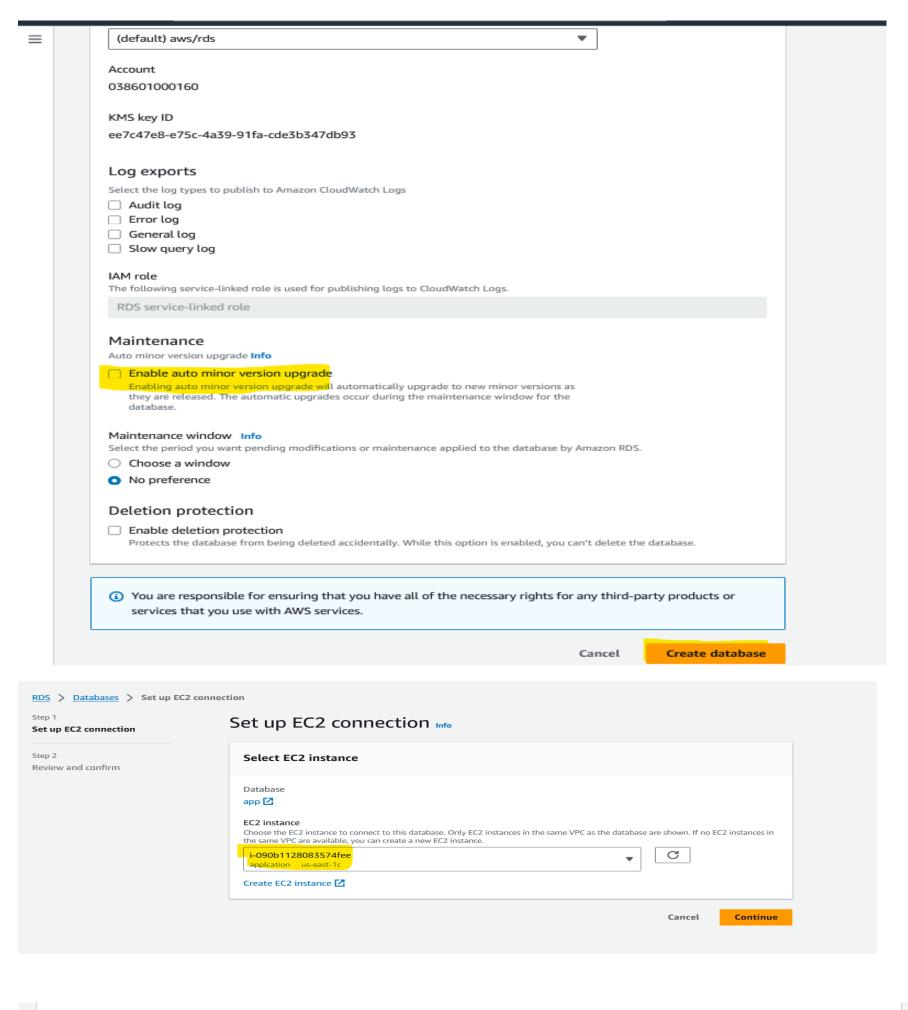


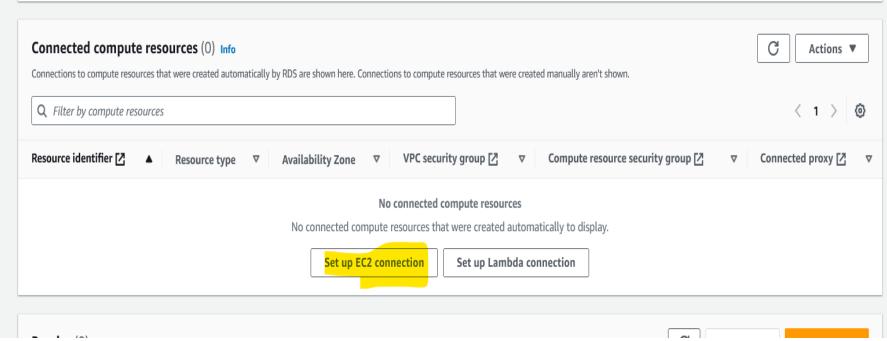


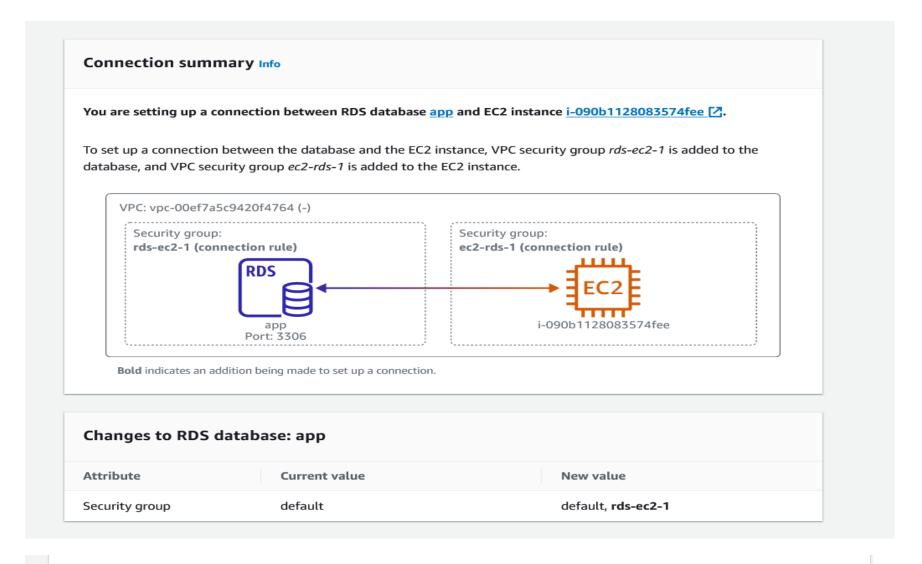


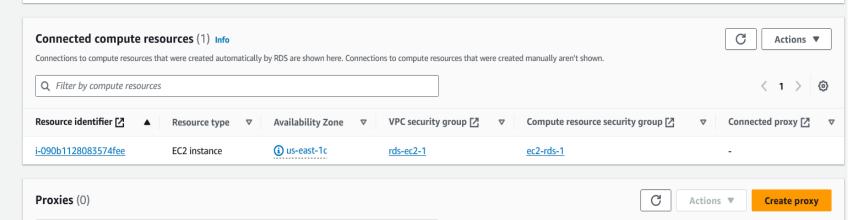




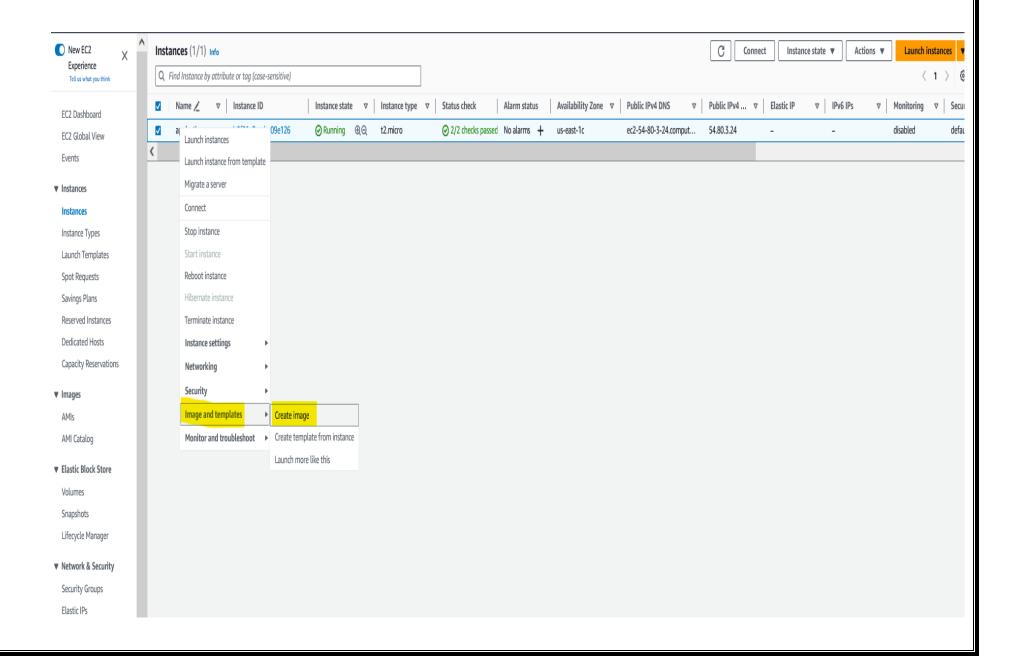




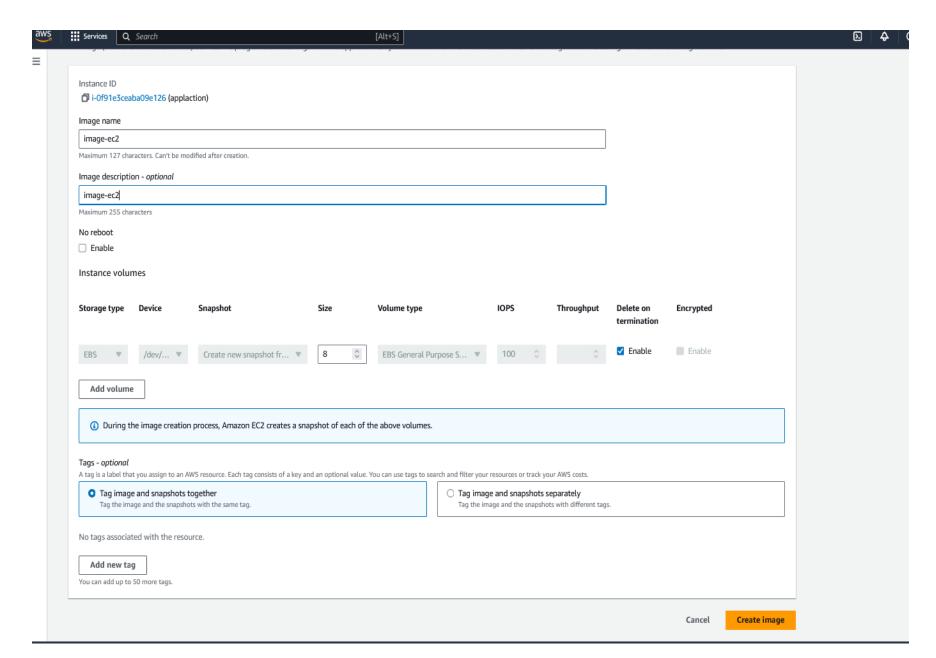




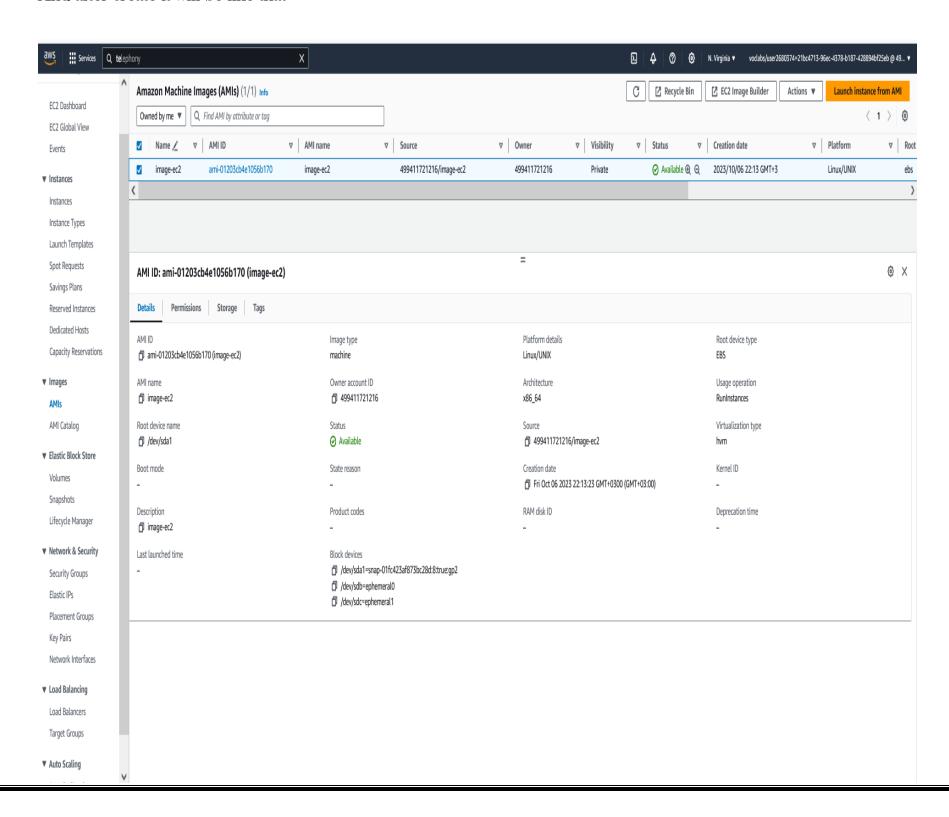
Now we will create image form our ec2 instance



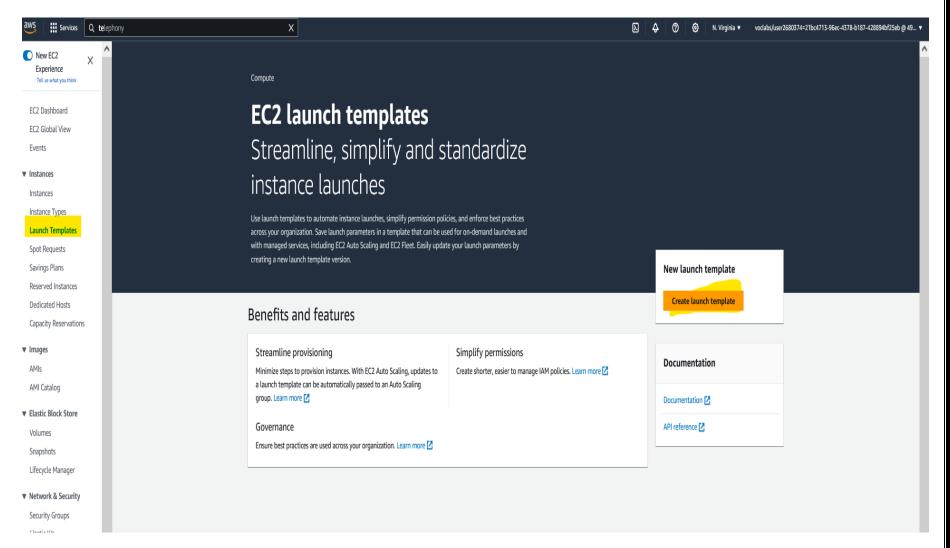
And this steps to create image



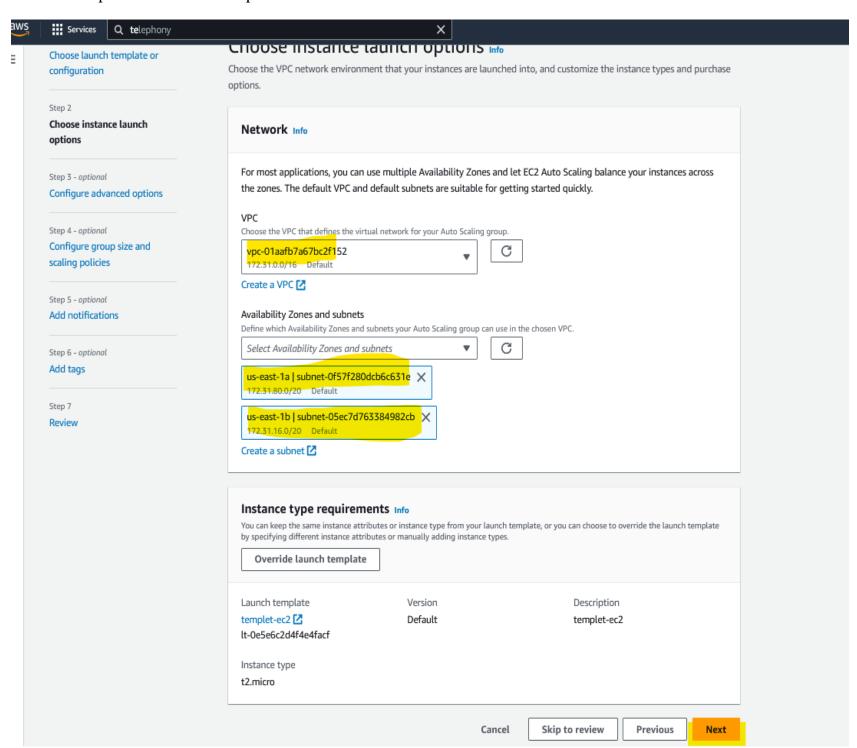
And after create it will be like that

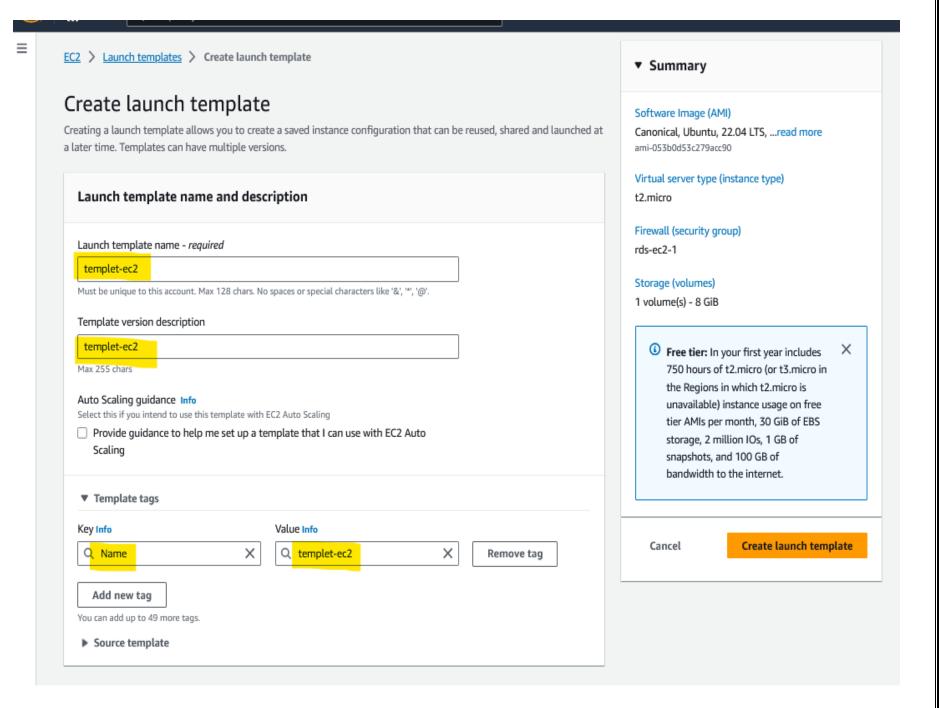


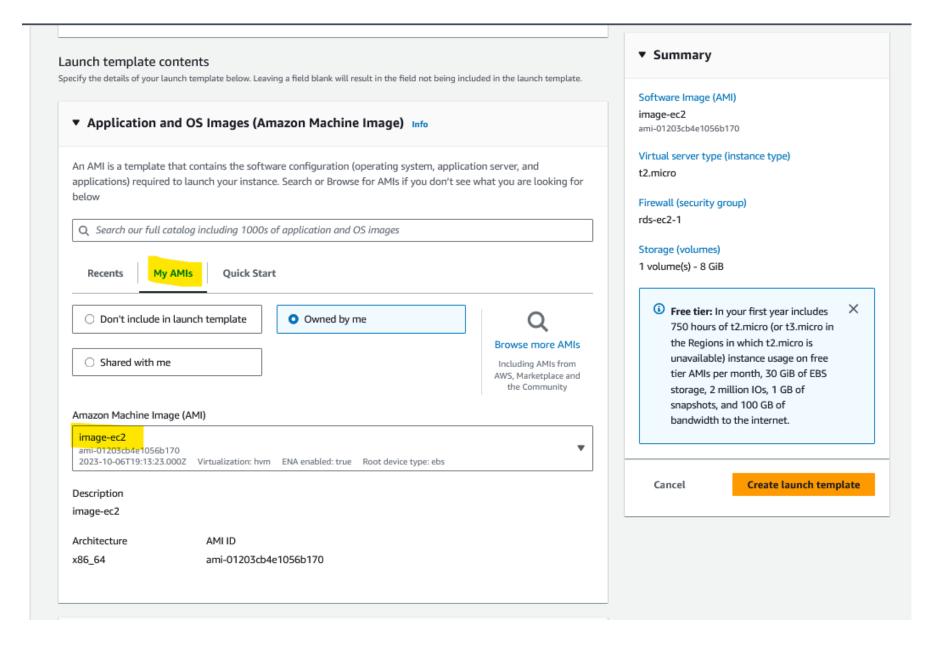
And now we will create templet from our image

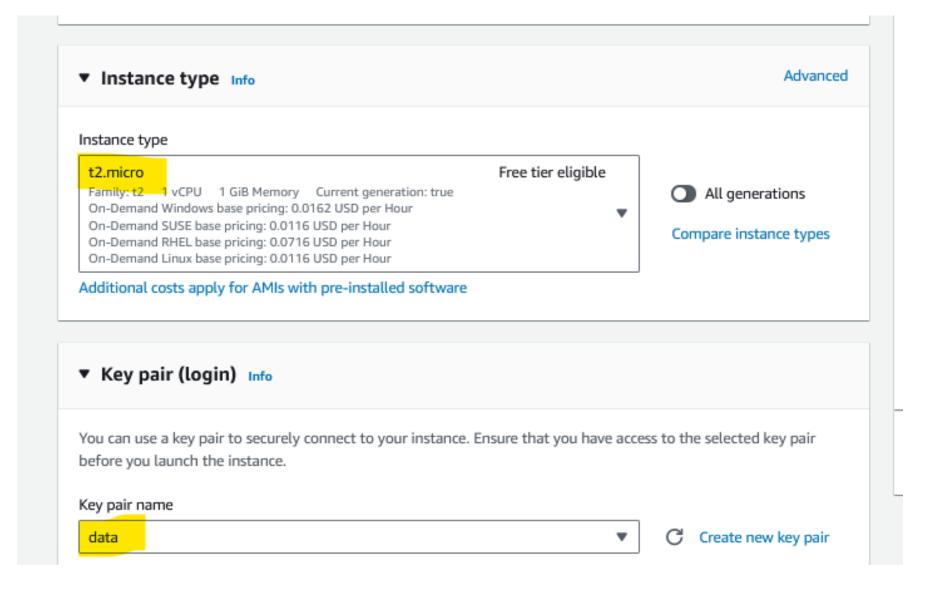


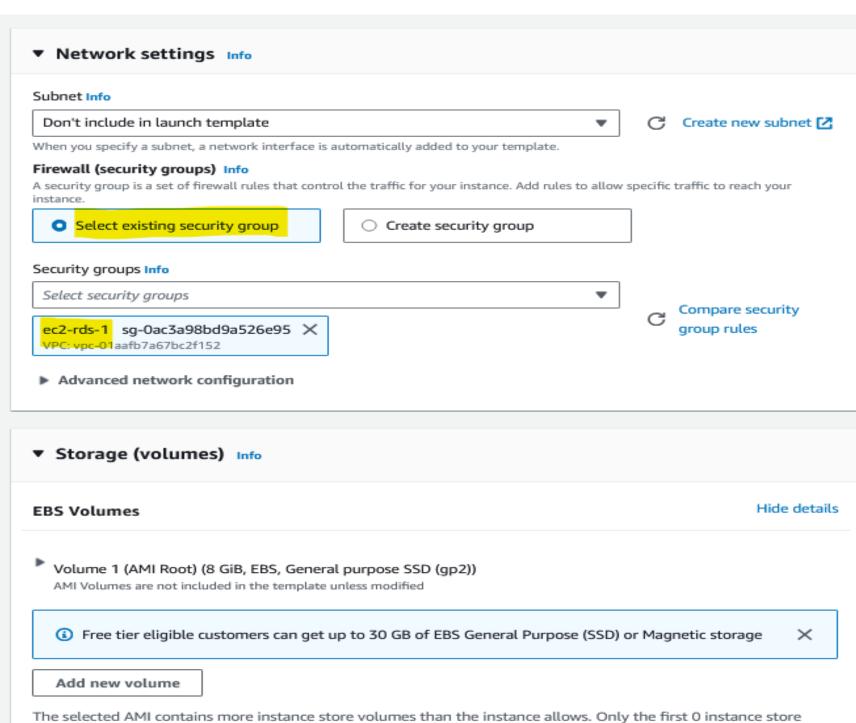
And this steps to create our templet





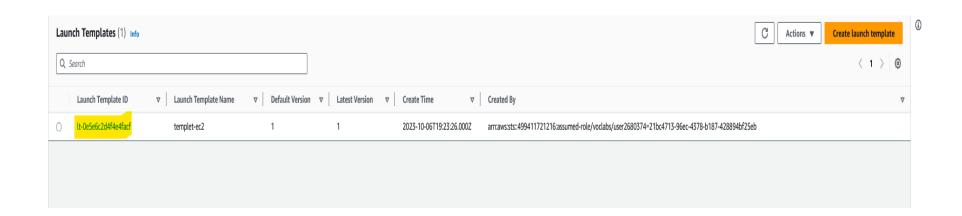




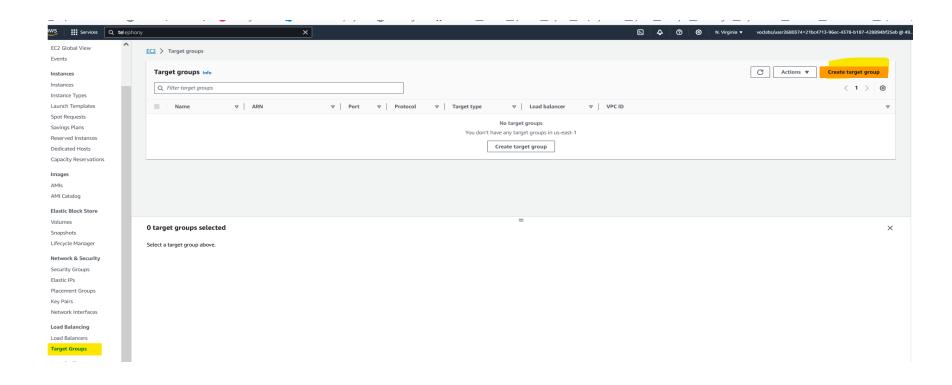


volumes from the AMI will be accessible from the instance

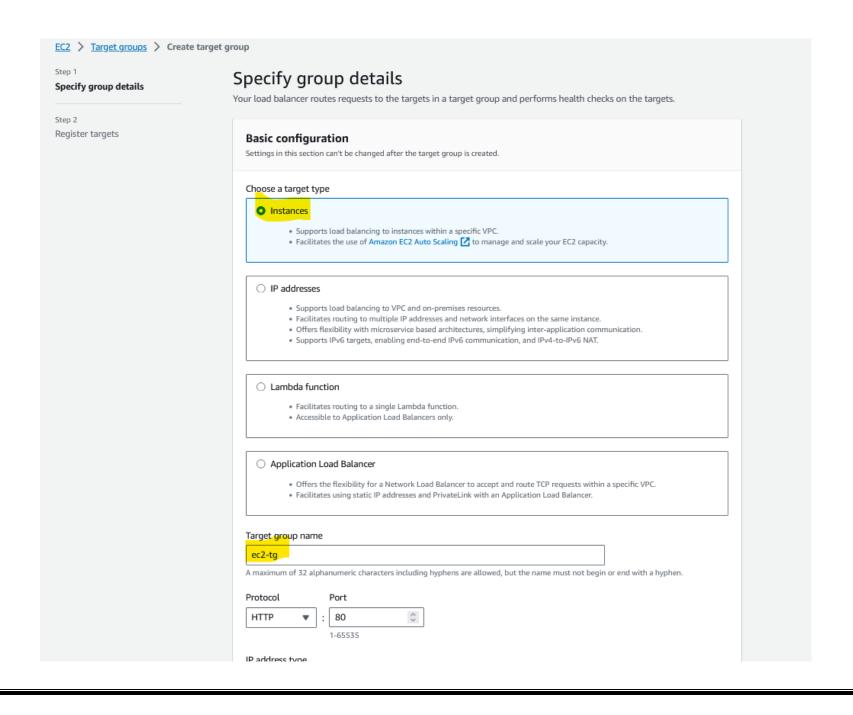
Now after adding all steps to create templet will be like that

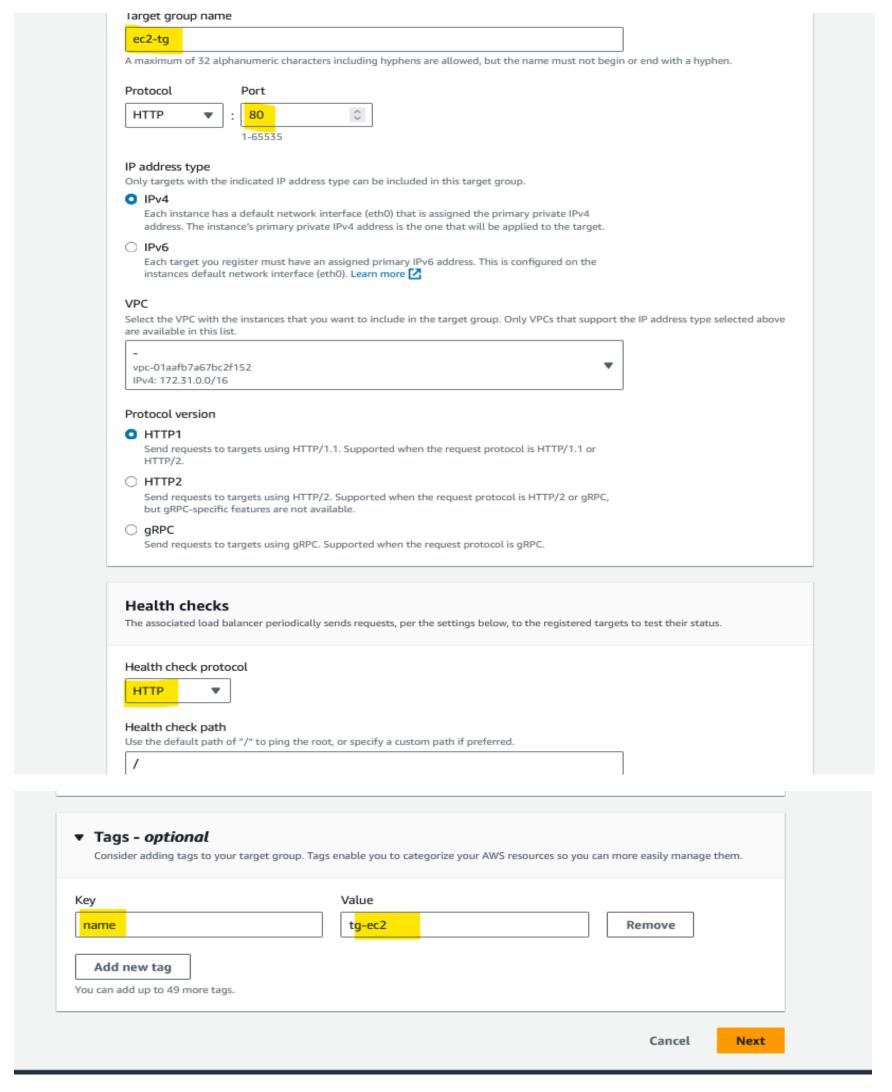


Now we will create target group

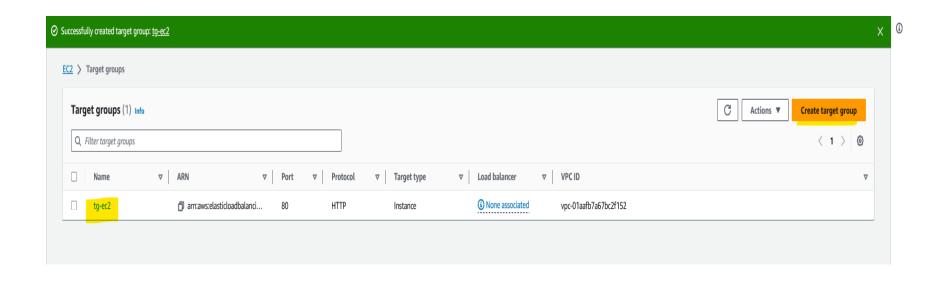


Now this steps to create our target group

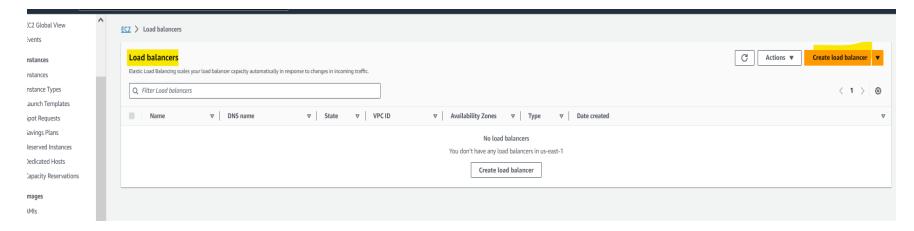




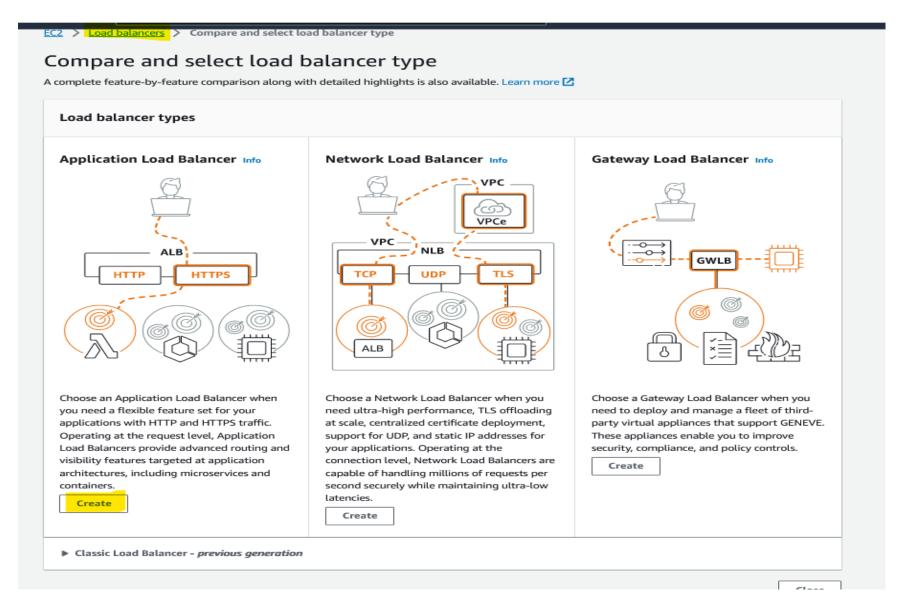
And after creating all steps will be like that below



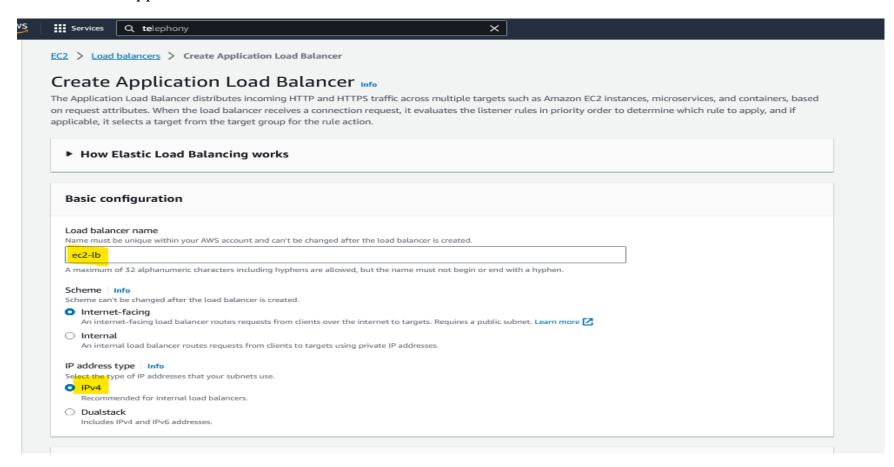
Now we will create load balance.

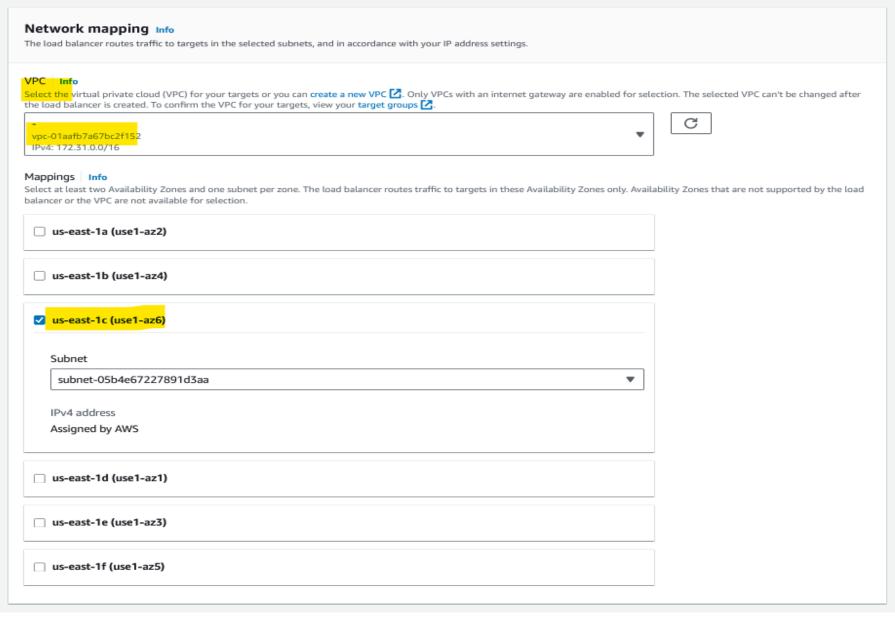


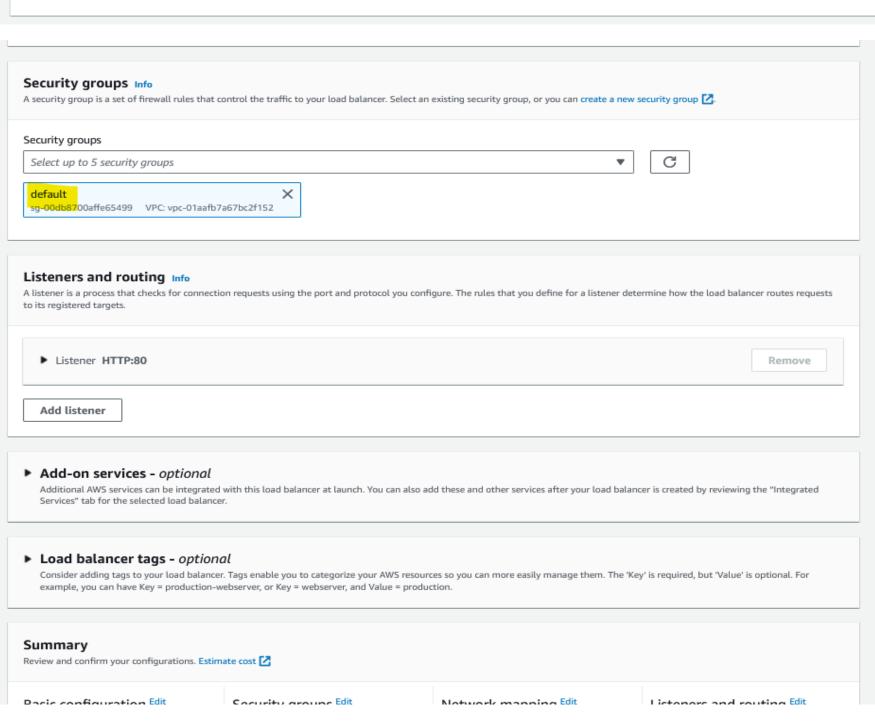
And this steps to create load balance.

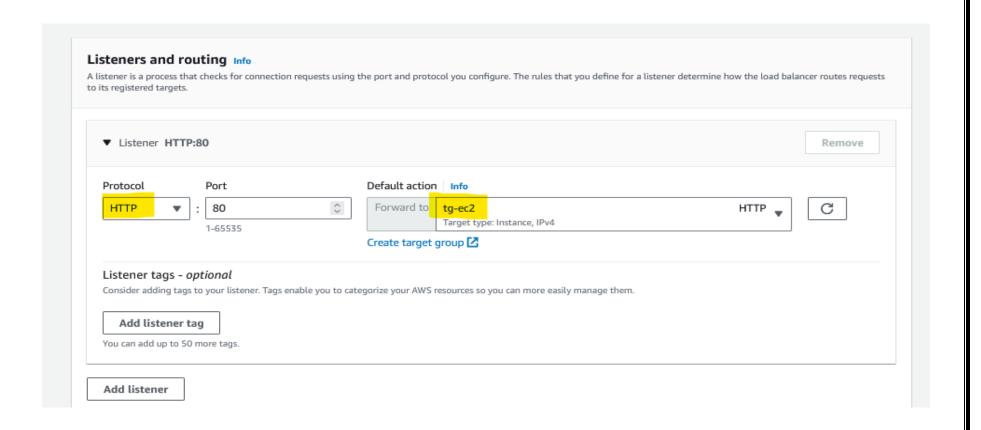


We will create application load balancer.

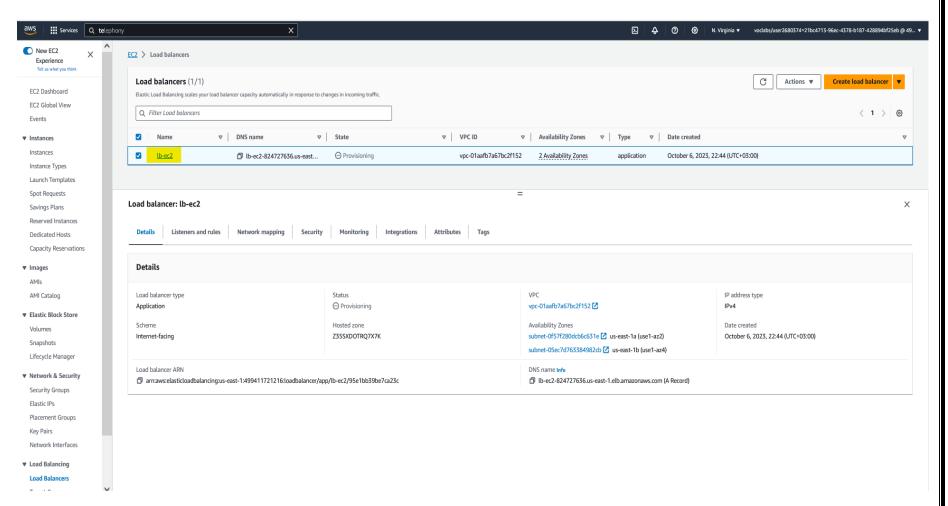




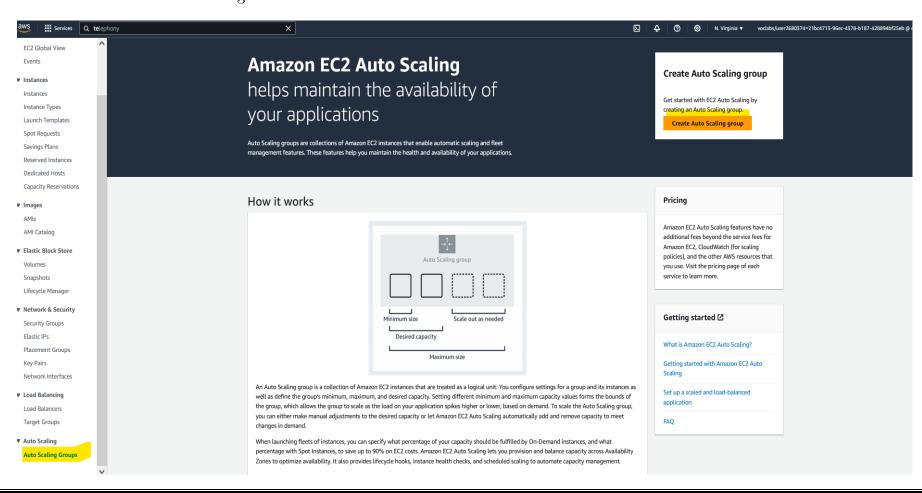




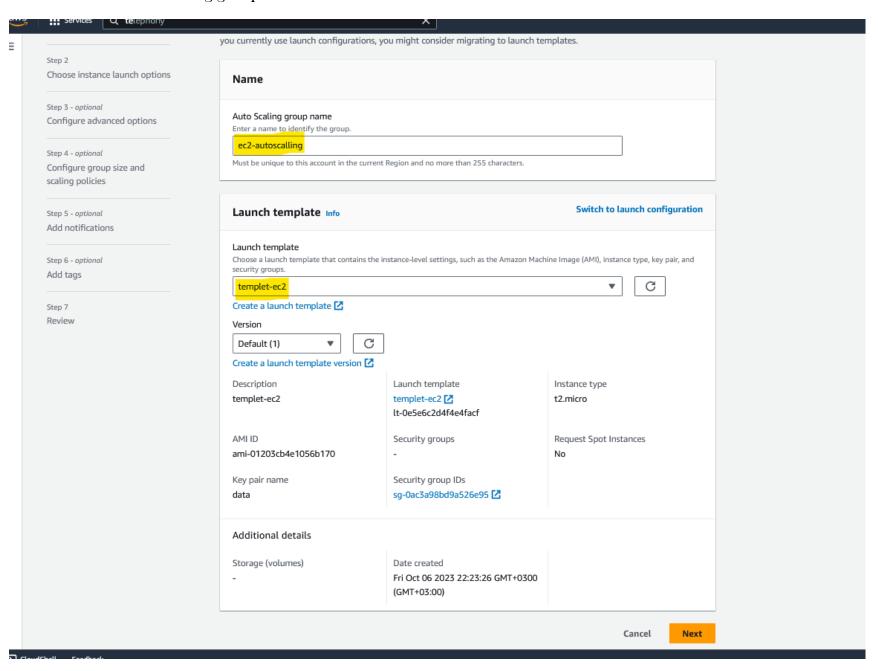
And after create load balance will be like that

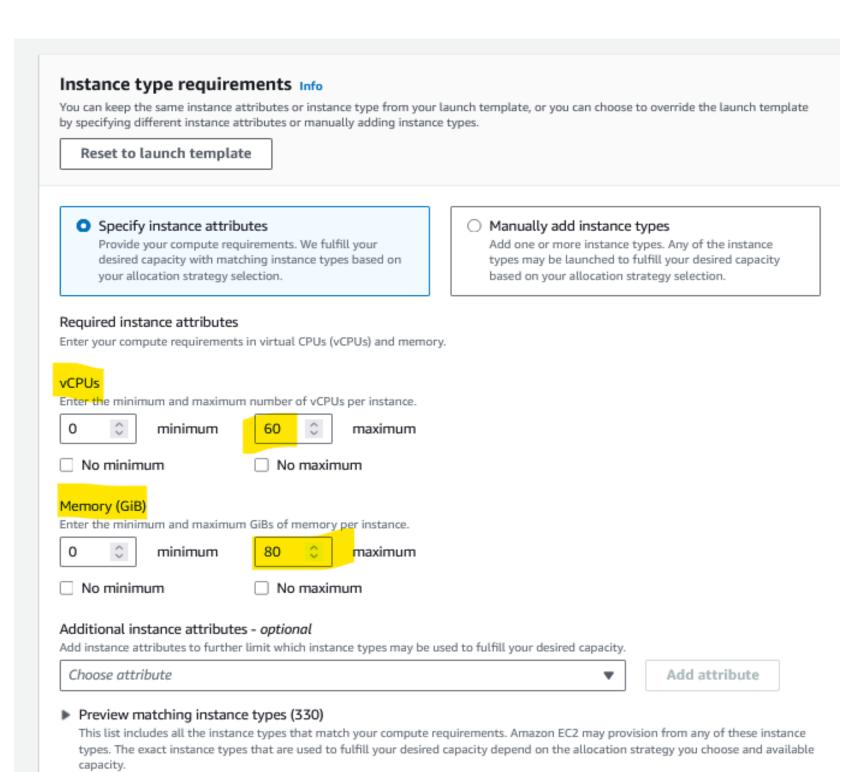


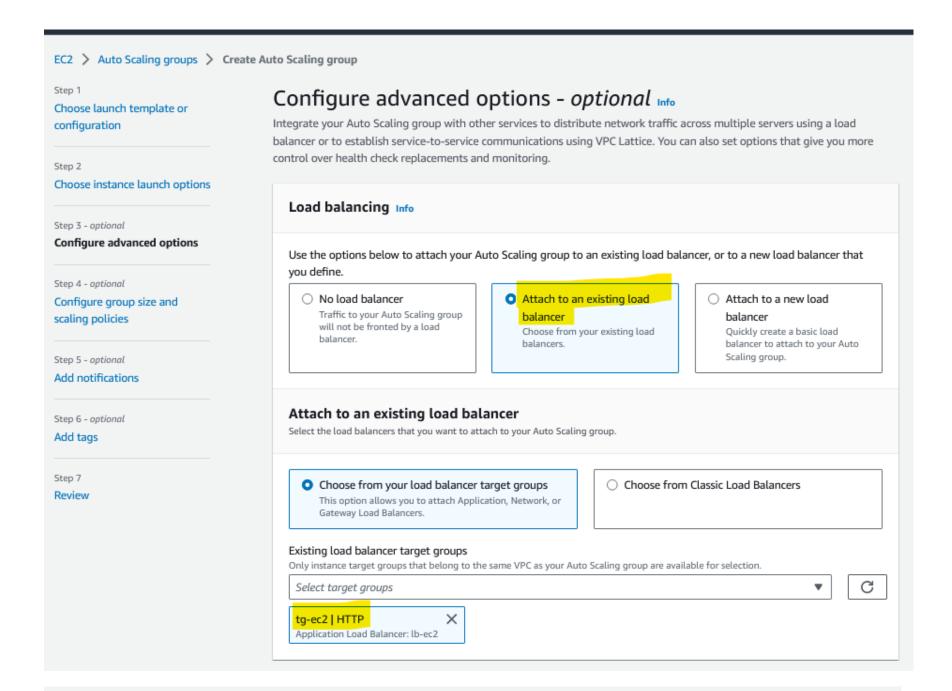
Now we will create auto scaling

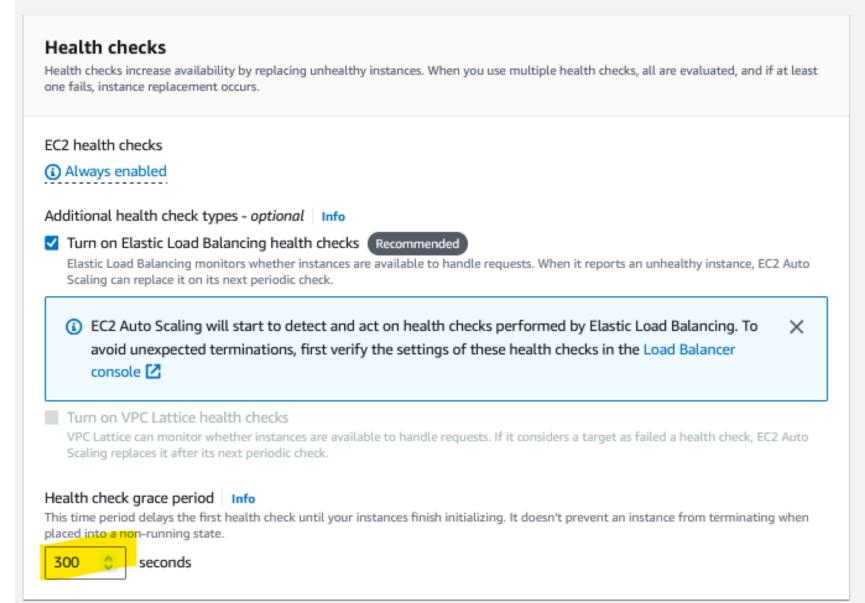


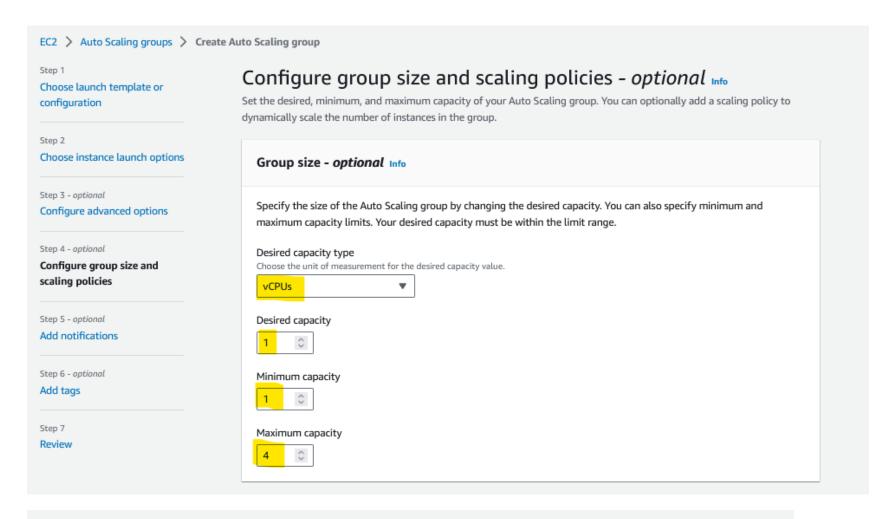
Now will create auto scaling group.

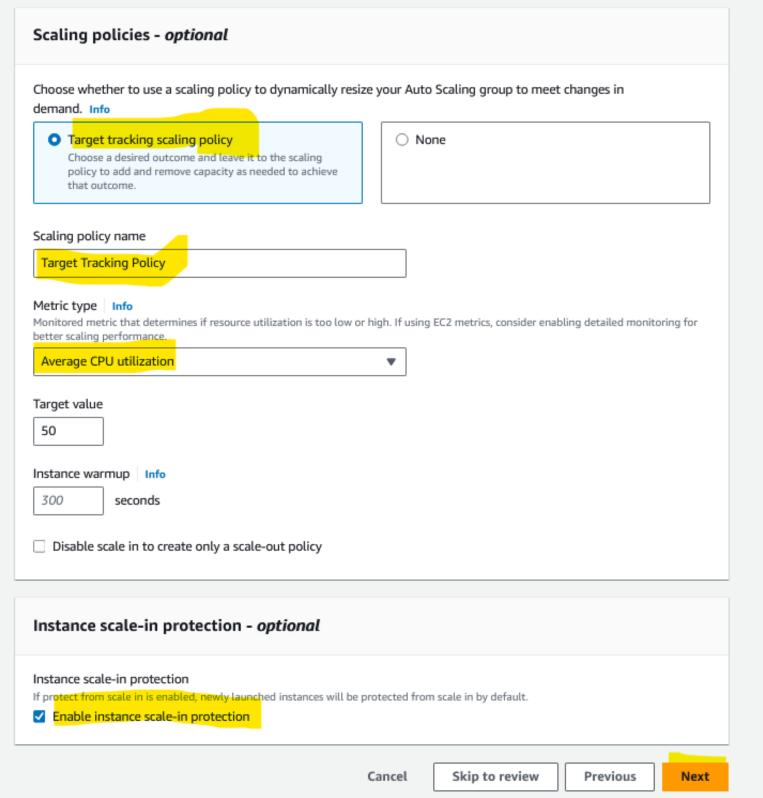












After you create your steps, you will find that your instance has high availability.

And if get any CPU saturation high 60 % will recover your drop instance and create another

Also, if your instance will terminate will create another instance without any issue.