Lesson 03 Demo 11

Setting Up Auto Scaling Using Launch Templates

Objective: To create an Auto Scaling group using a launch template

Tools required: AWS workspace

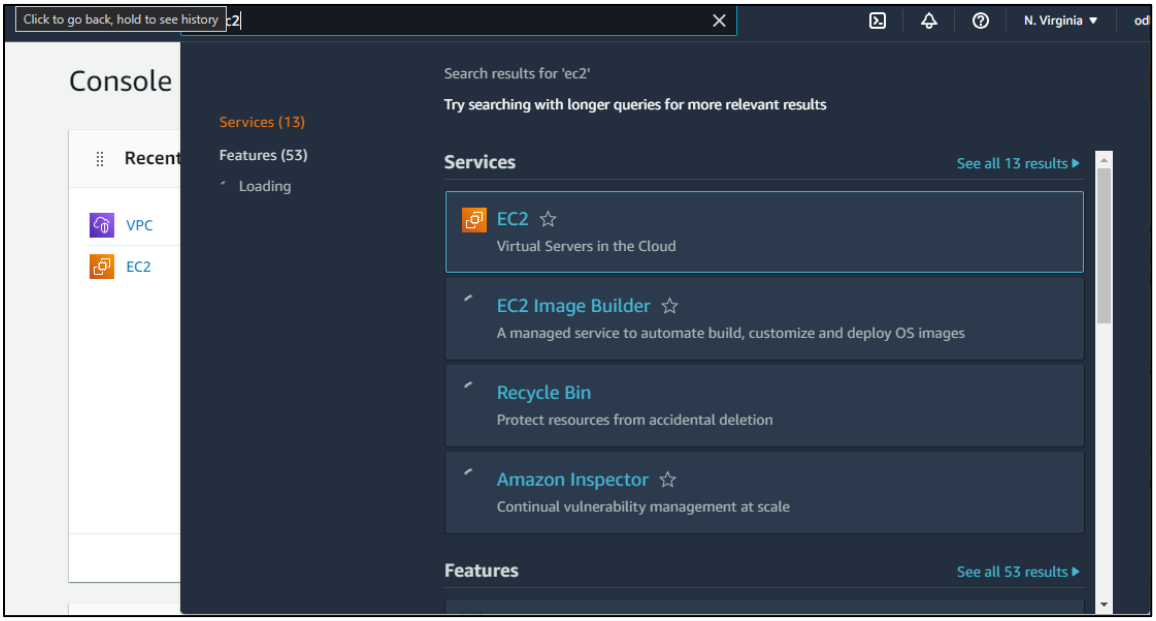
Prerequisites: Create a launch template and have IAM permissions to create an Auto Scaling group using a launch template

Steps to be followed:

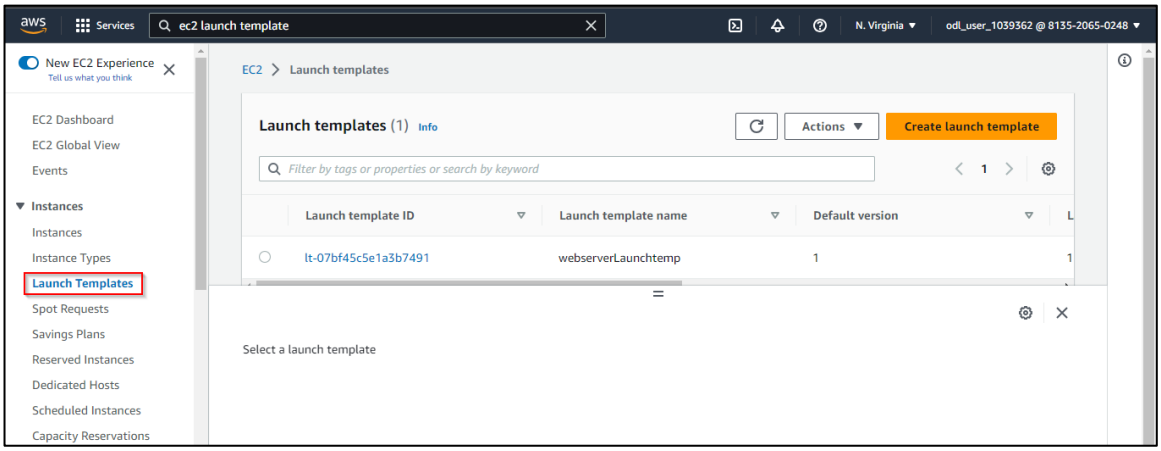
1. Create a launch template in EC2
2. Create a launch configuration
3. Create an Auto Scaling group

Step 1: Create a launch template in EC2

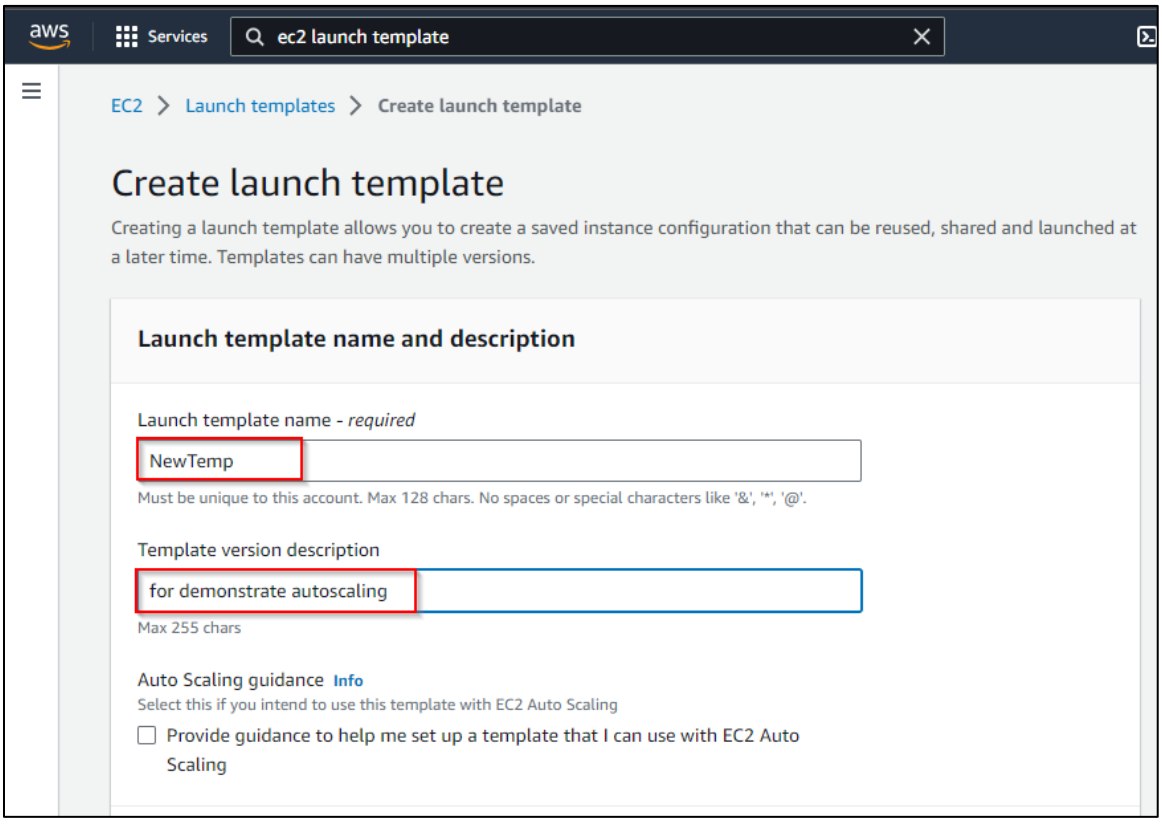
1.1 Open the AWS console and search for Amazon **EC2**



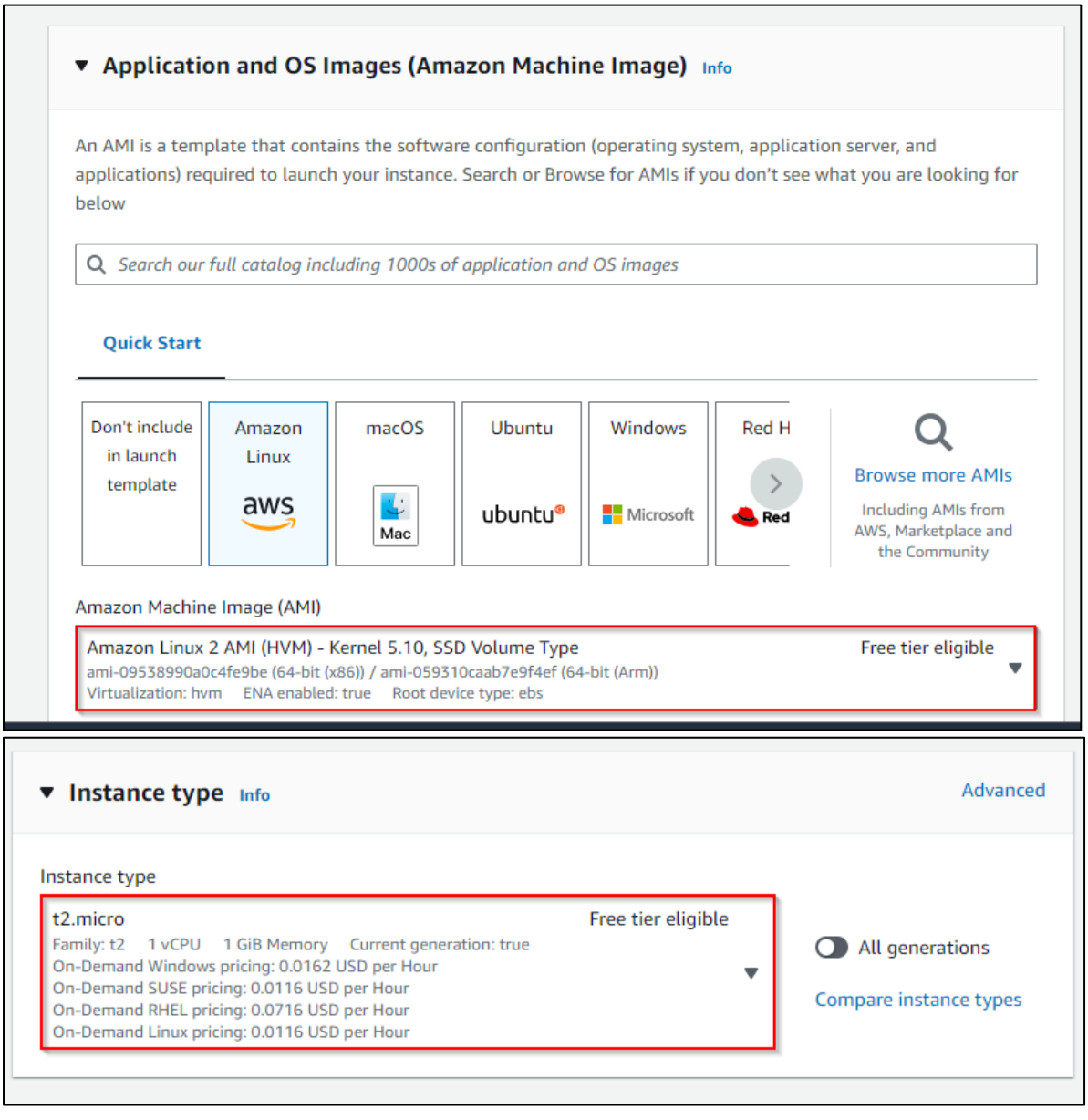
1.2 In the left navigation pane, select **Launch Templates** and then click the **Create launch template** button



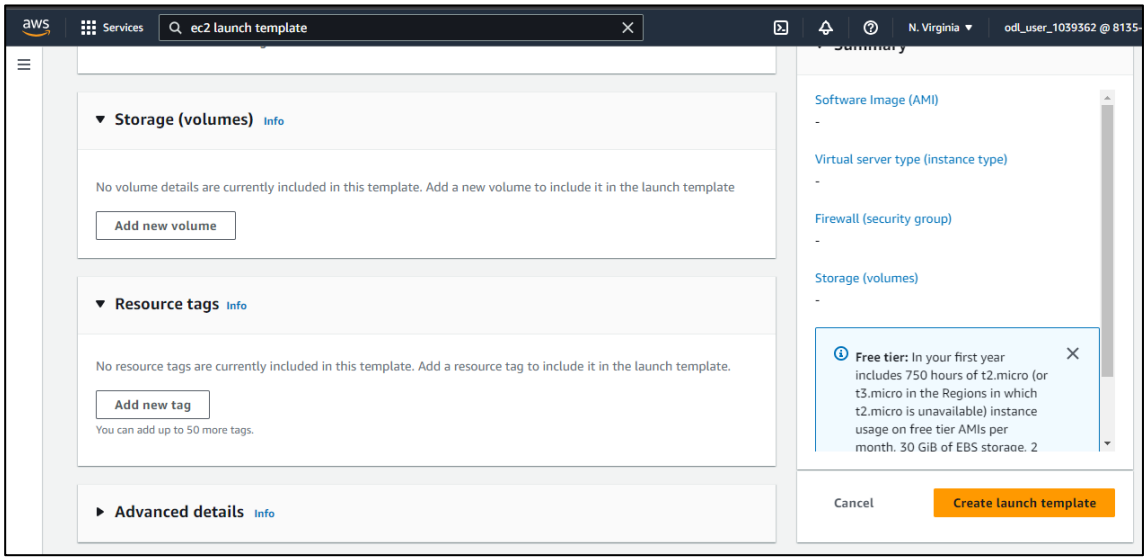
1.3 Name the launch template, **NewTemp**, and provide a description such as **For demonstrate autoscaling**

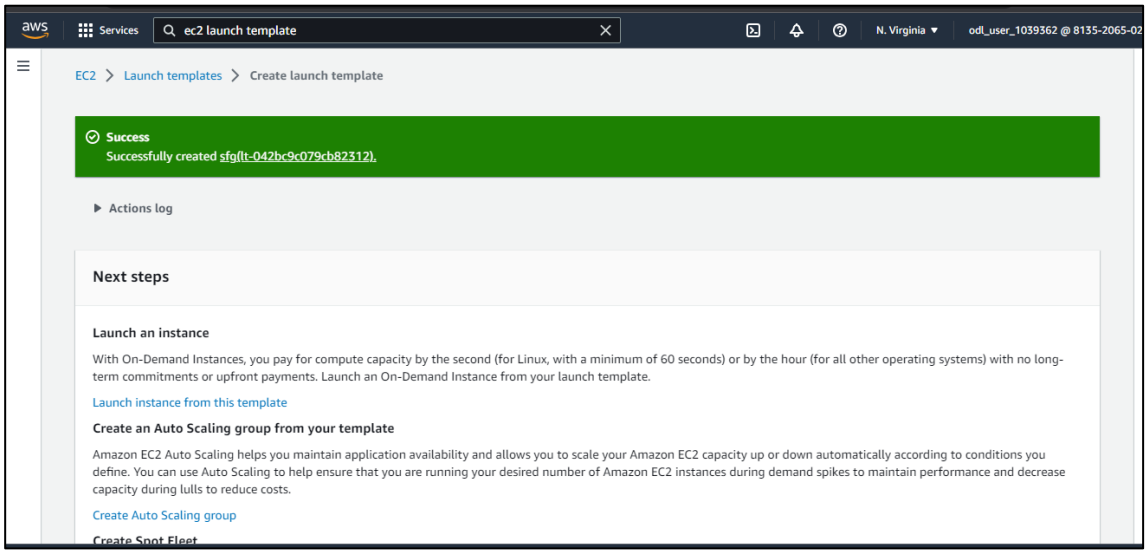


1.4 Select **Amazon Linux** and **Amazon Linux 2 AMI (HVM)** for Amazon Machine Image (AMI), and select **t2.micro** for instance type



1.5 Click on **Create launch template**

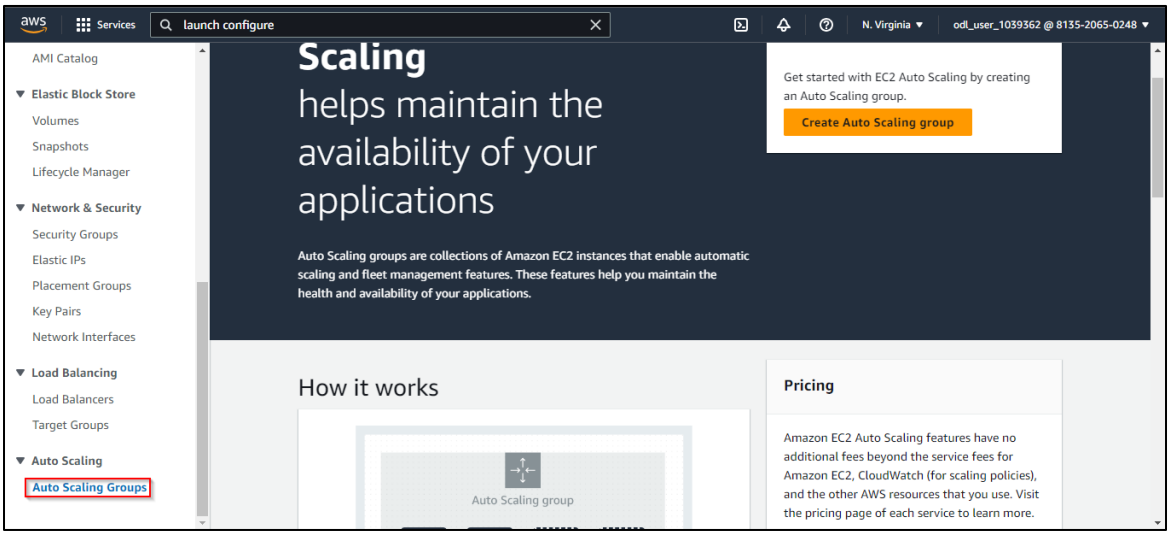




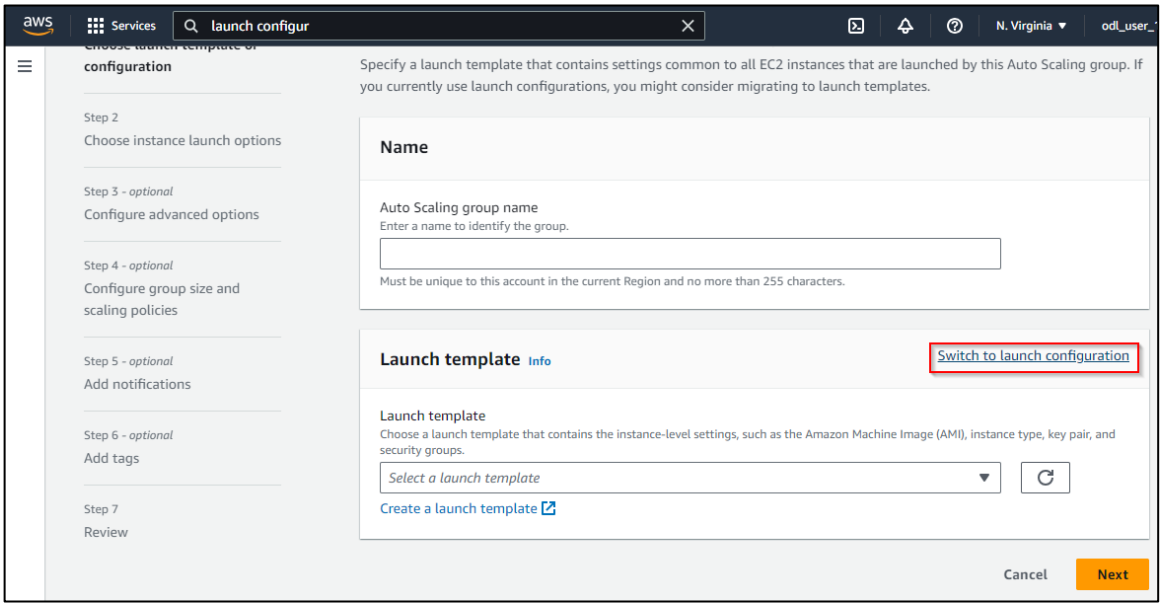
Launch template is created successfully.

Step 2: Create a launch configuration

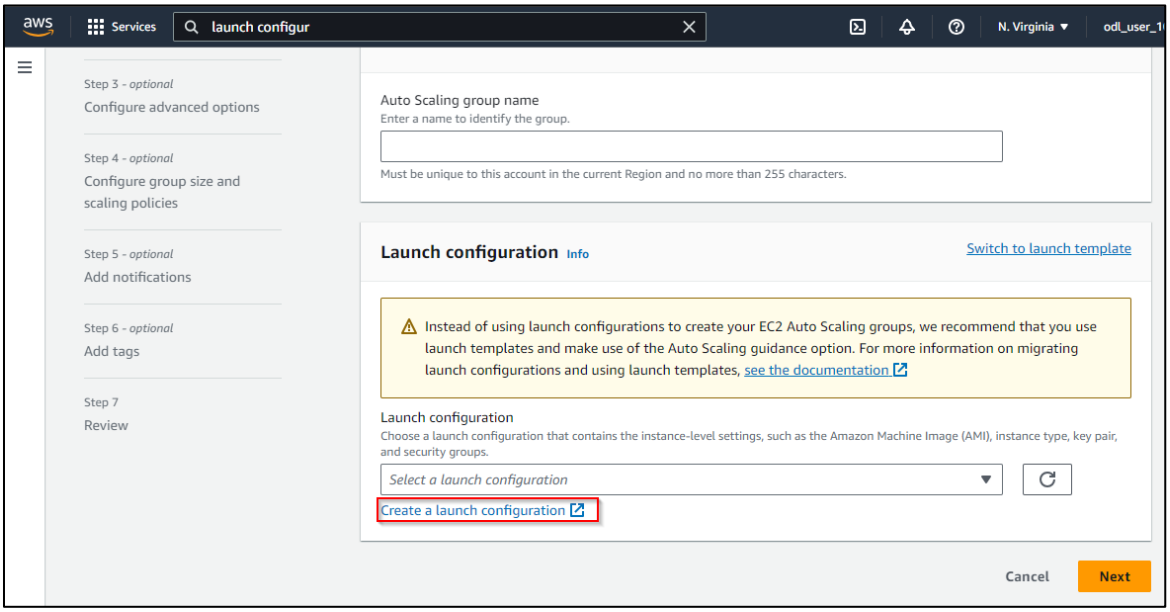
2.1 Navigate to the **Auto Scaling**, and click on **Create Auto Scaling group**



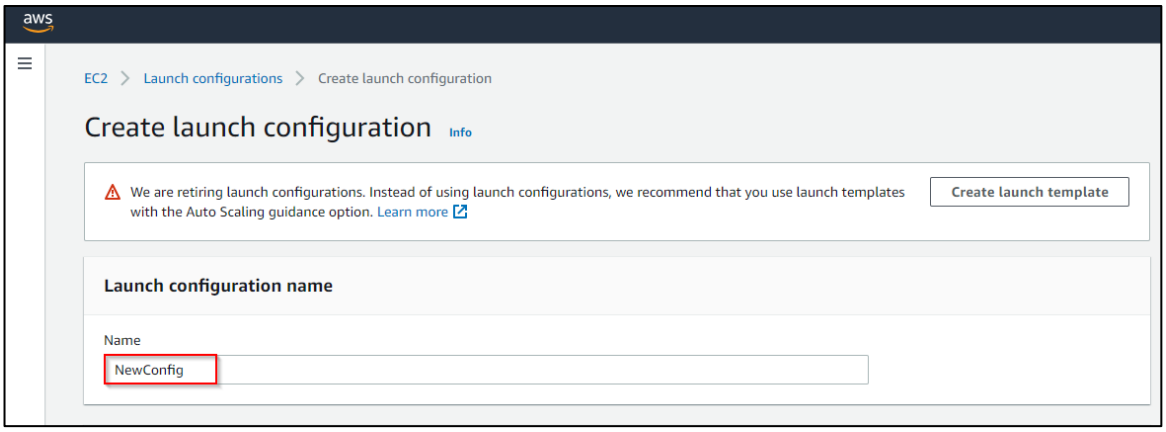
2.2 Click on **Switch to launch configuration**



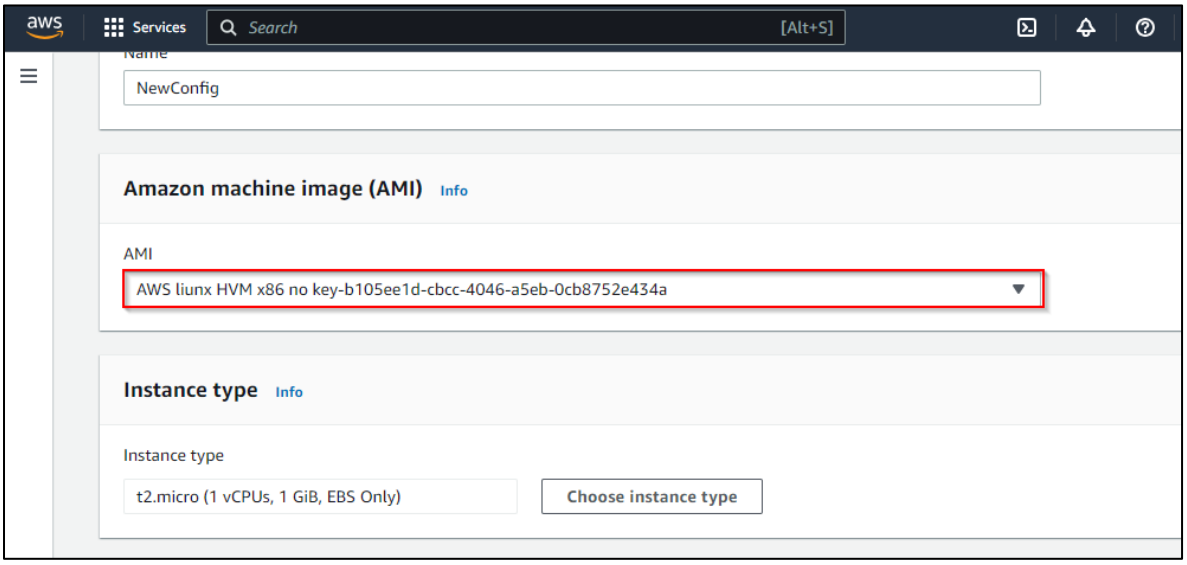
2.3 Click on **Create a launch configuration**



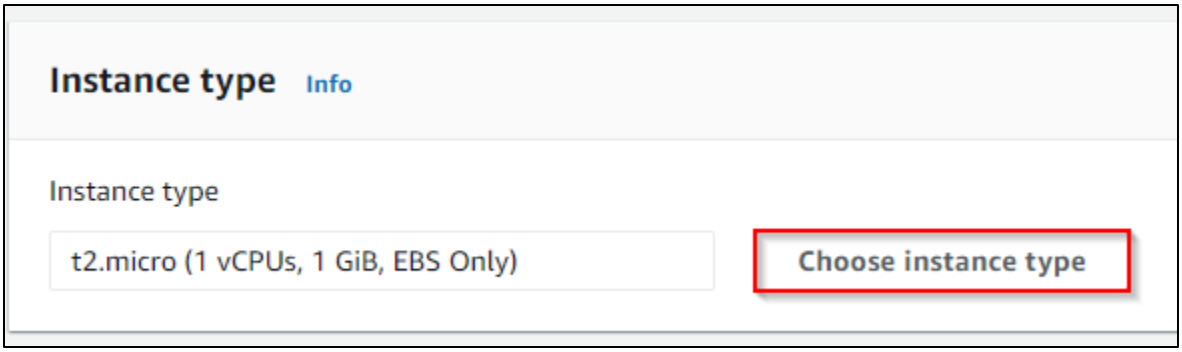
2.4 Enter **NewConfig** as the name for the configuration

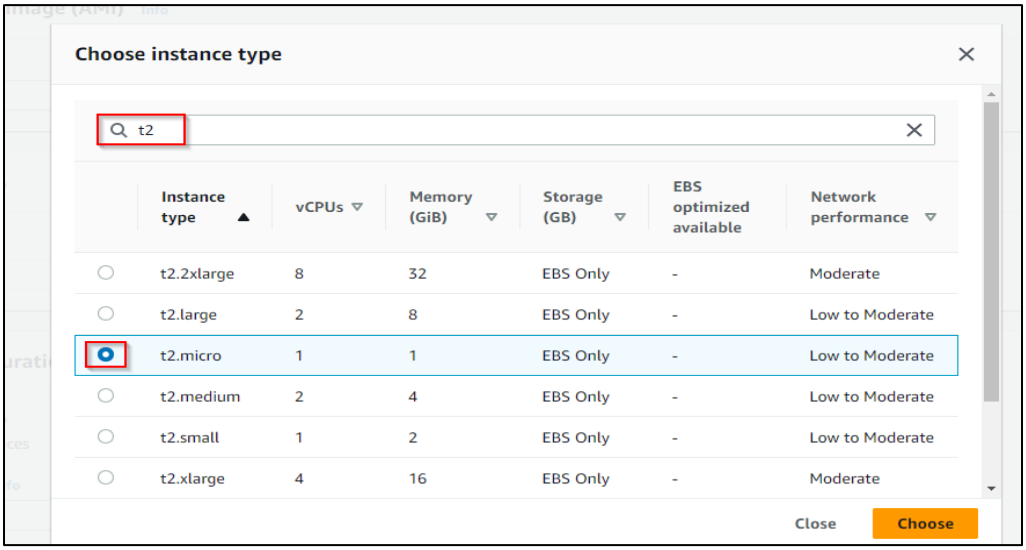


2.5 Select AMI as **AWS linux HVM x86**

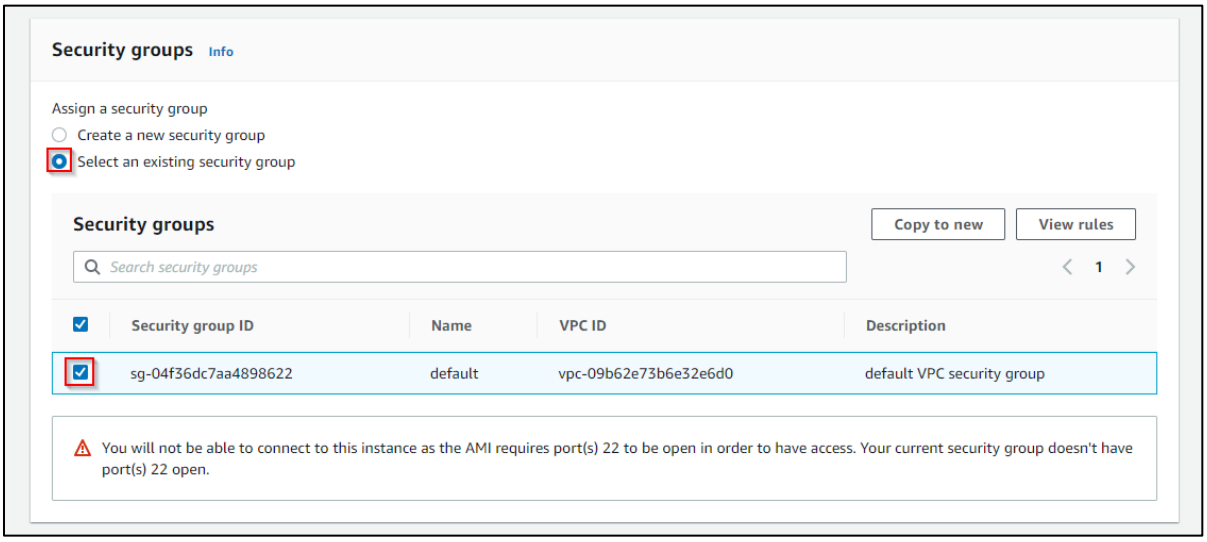


2.6 Click on **Choose instance type,** search for **t2.micro**, and click on **Choose**

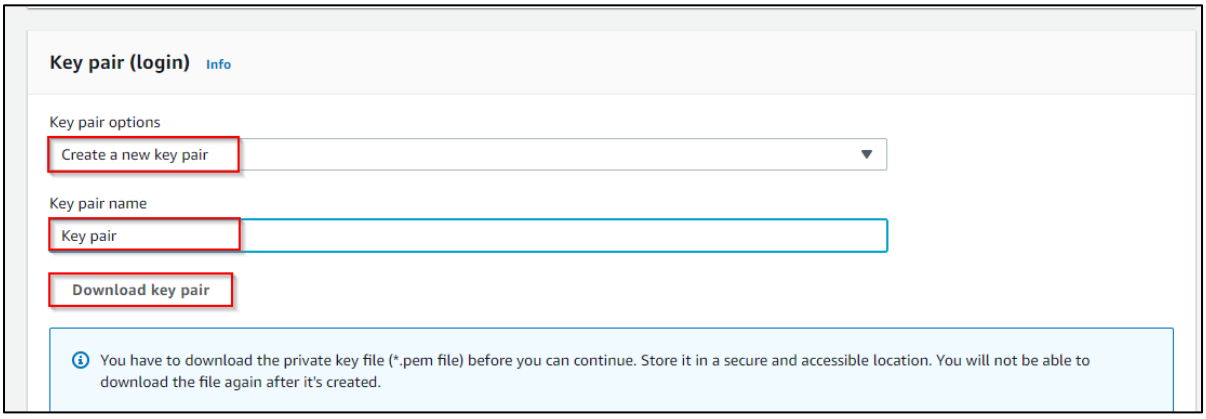




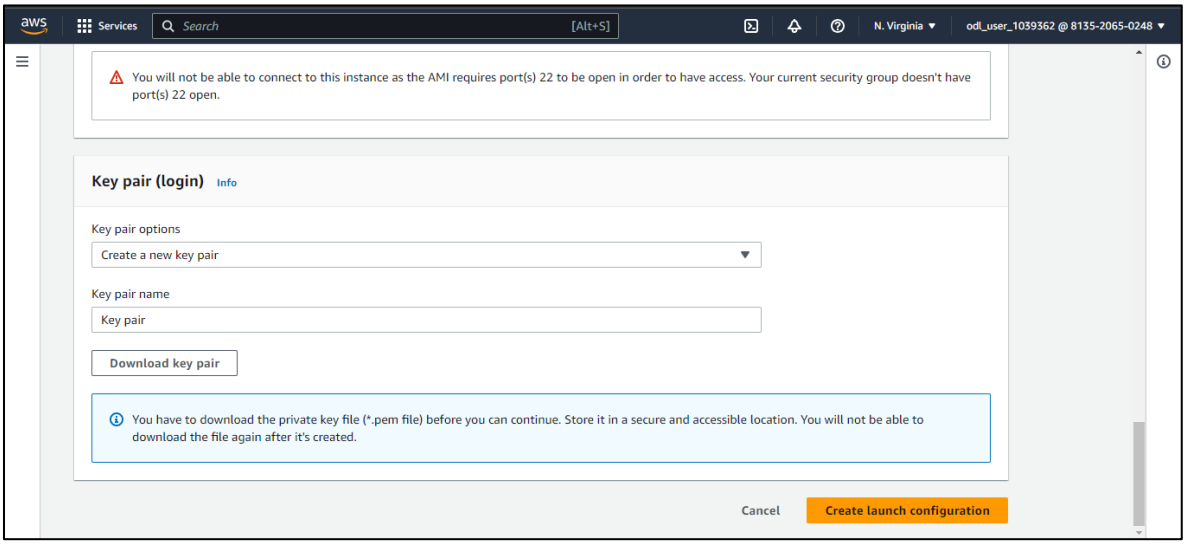
2.7 Scroll down to the security groups, click on **Select an existing security group**, and click on the **default** Security group

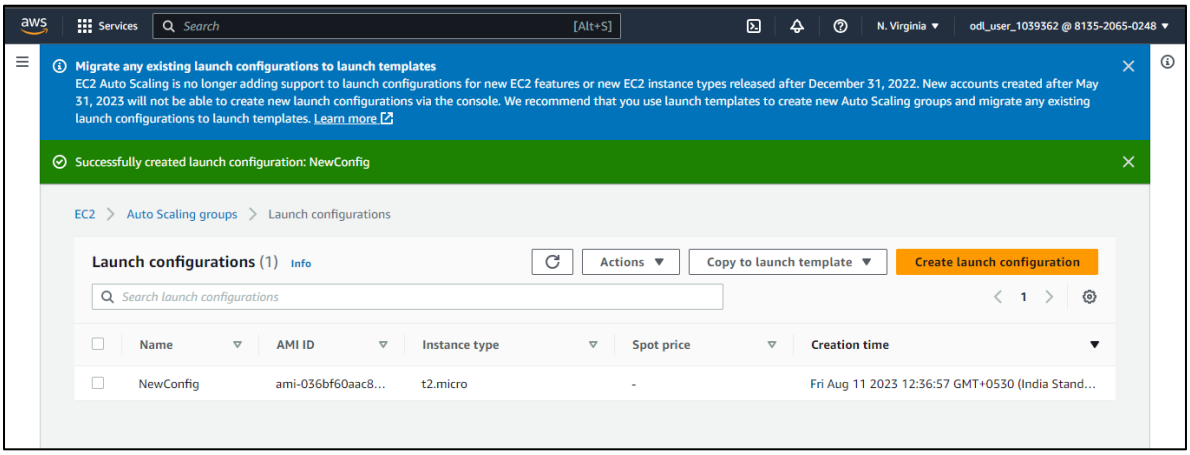


2.8 Click on **Create a new key pair**, enter the **Key pair name**, and click on **Download key pair**



2.9 Click on **Create launch configuration**

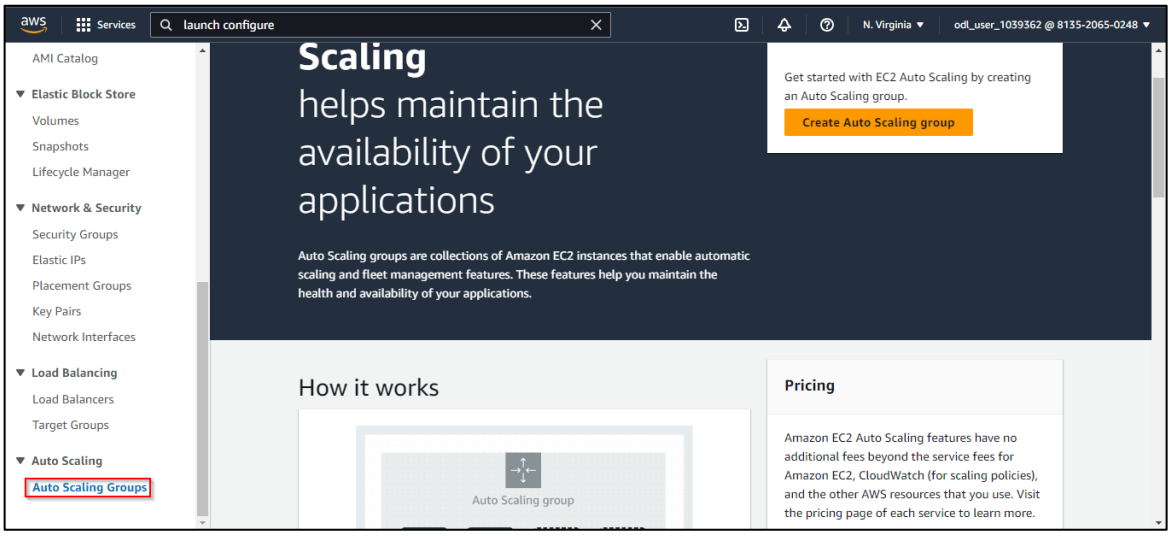




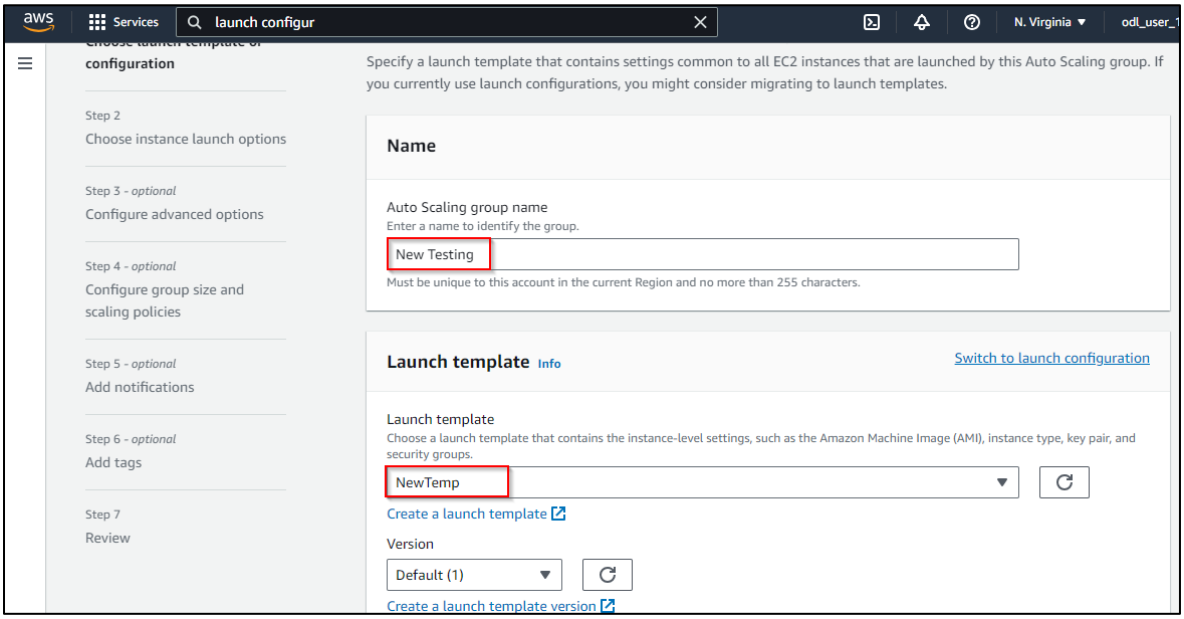
Launch configuration is created successfully.

Step 3: Create an Auto Scaling group

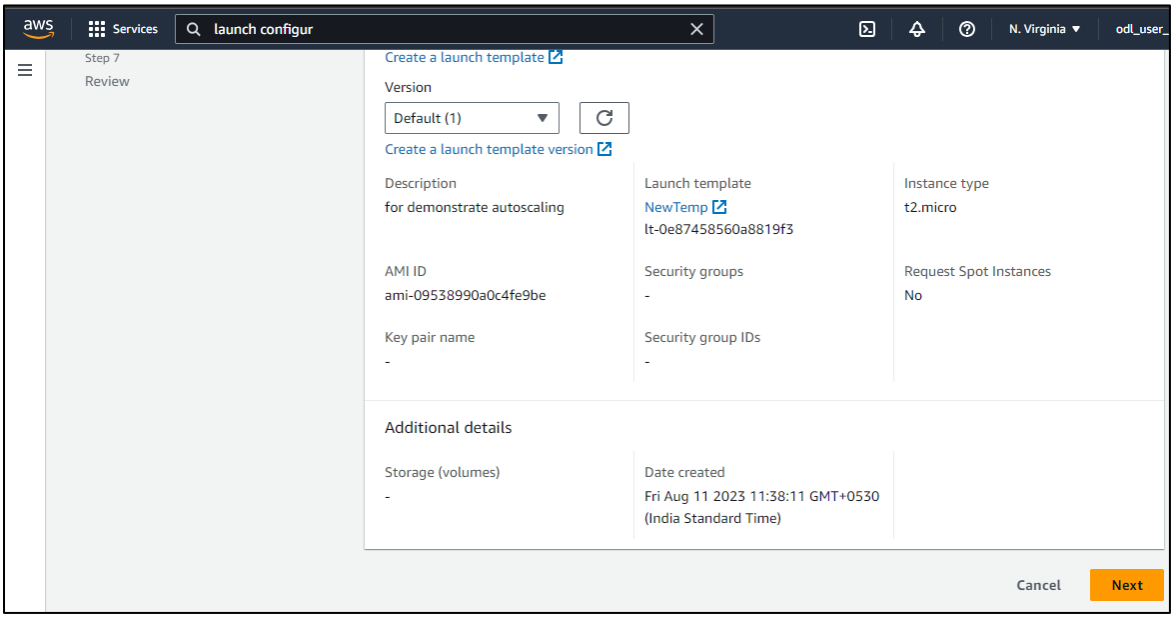
3.1 On the left navigation pane, click on **Create Auto Scaling group**



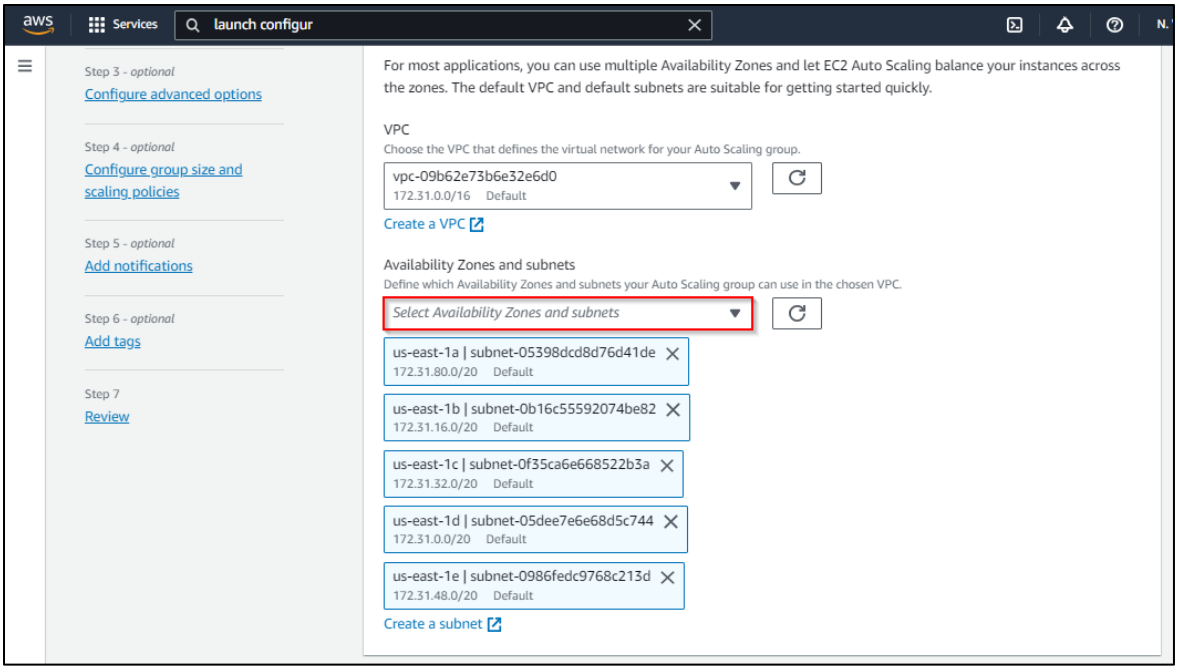
3.2 Name the **Auto Scaling group**, **New testing**, and choose Launch template as **NewTemp**



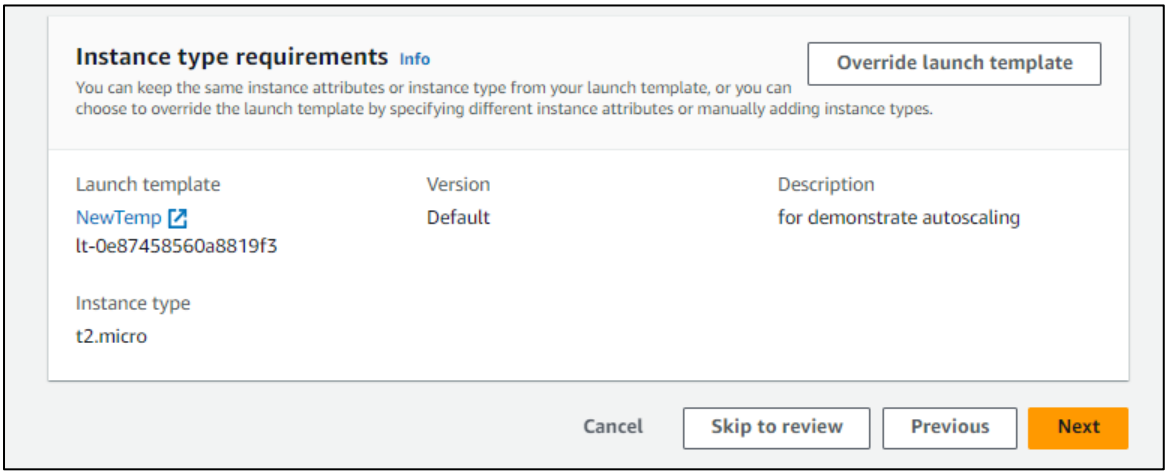
3.3 Click on **Next**



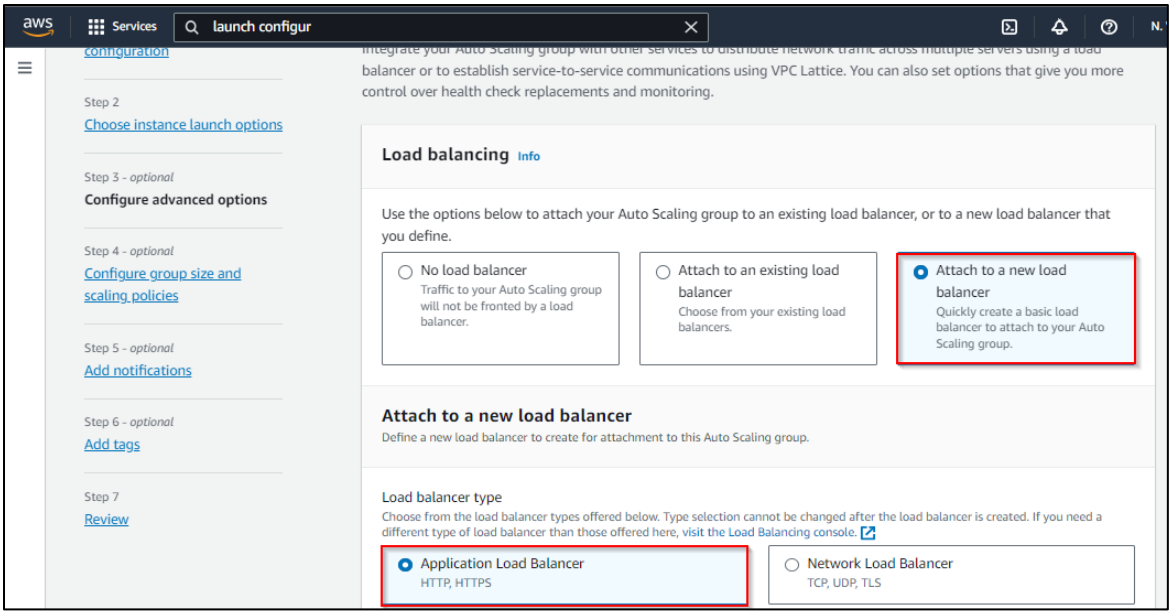
3.4 Click on the **Availability Zones and subnets**, and select all the **Zones**



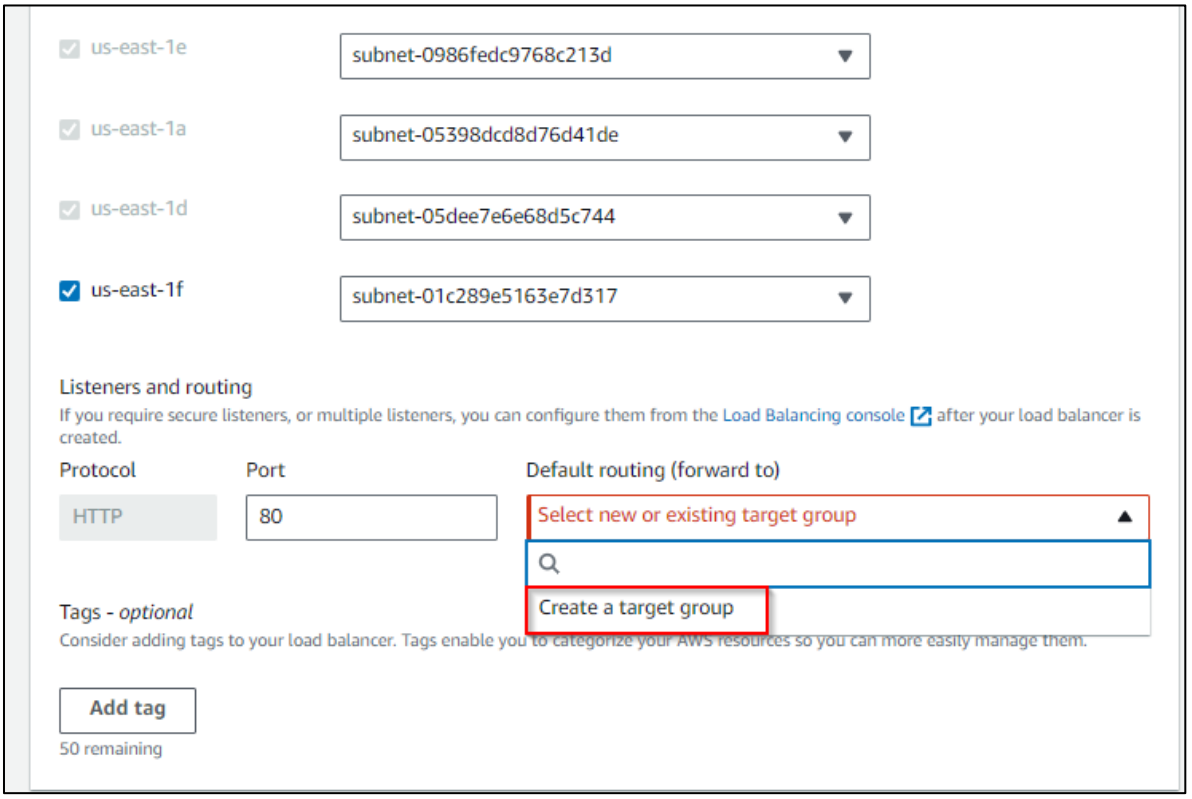
3.5 Click on **Next**

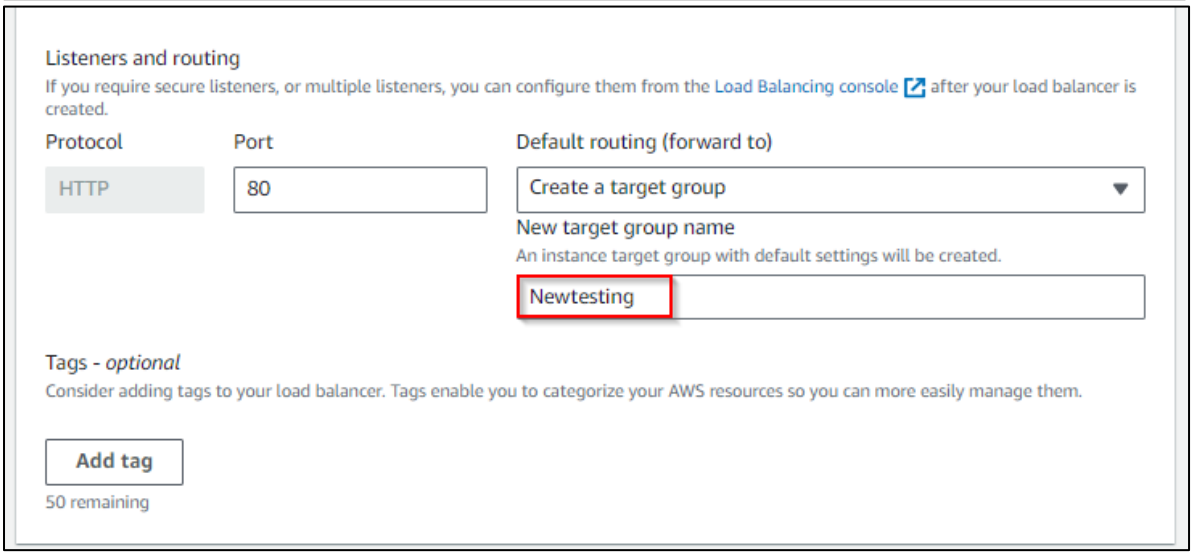


3.6 Click on the **Attach to a new load balancer** and then on **Application Load Balancer**

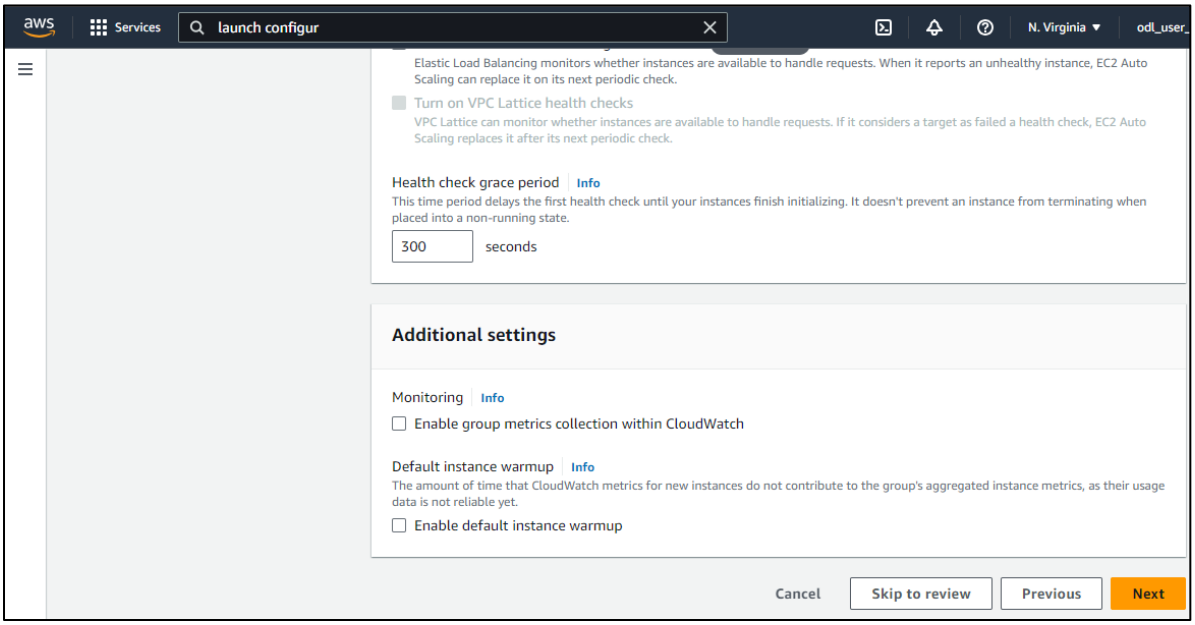


3.7 Click on **Create a target group**, and name it **Newtesting**

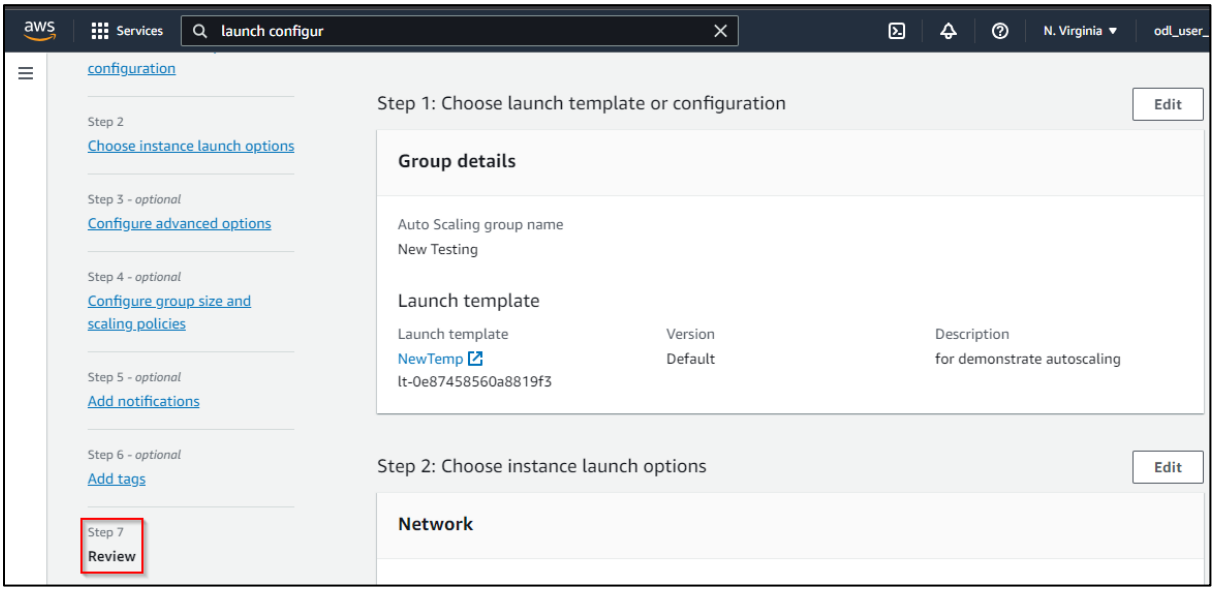


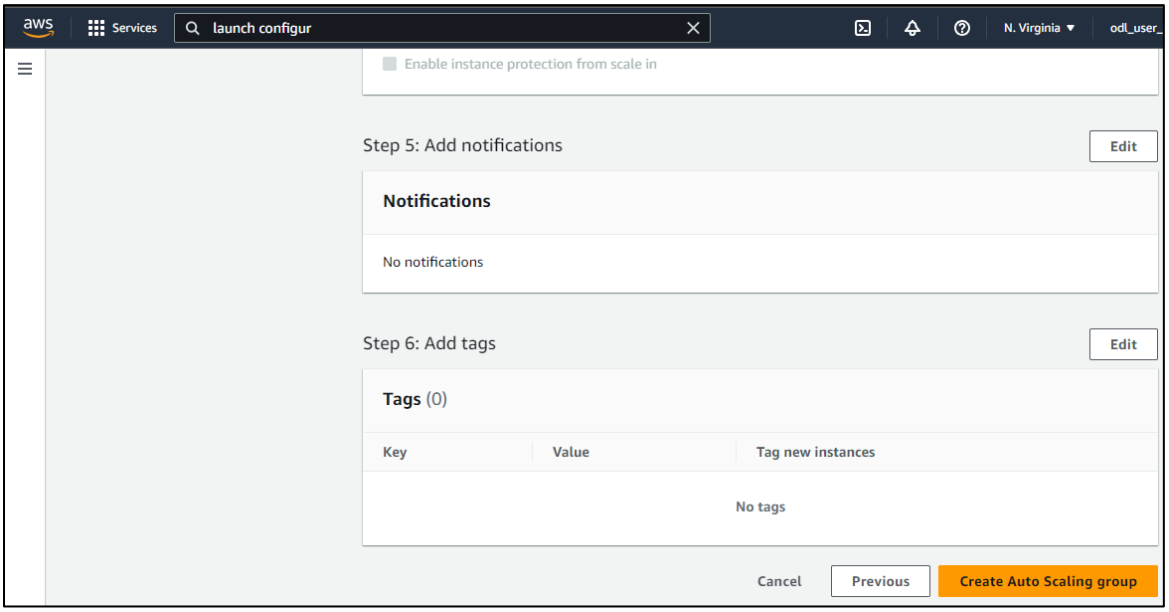


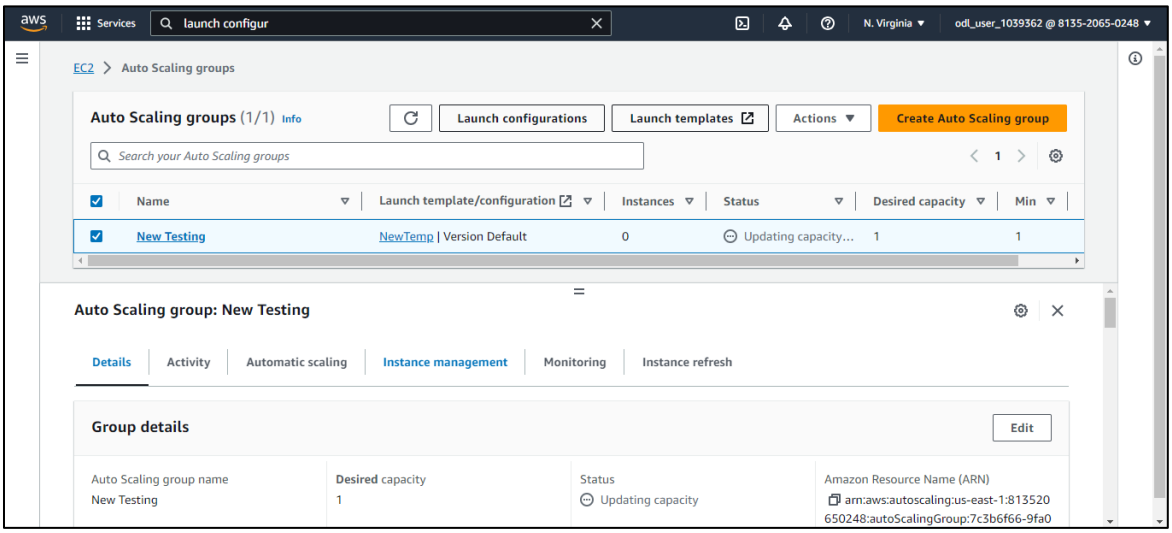
3.8 Click on **Next**



3.9 Skip to **Step 7** and review the launch template by clicking on Review, and then click on **Create Auto Scaling group**







Auto Scaling groups are created successfully.

By following these steps, you will be able to successfully establish an Auto Scaling group, using launch templates within the AWS workspace.