Lesson 03 Demo 08

Creating Route Requests in ALB

Objective: To set up routing requests in Amazon Web Services (AWS) using an Application Load Balancer (ALB)

Tools required: Amazon Workspace

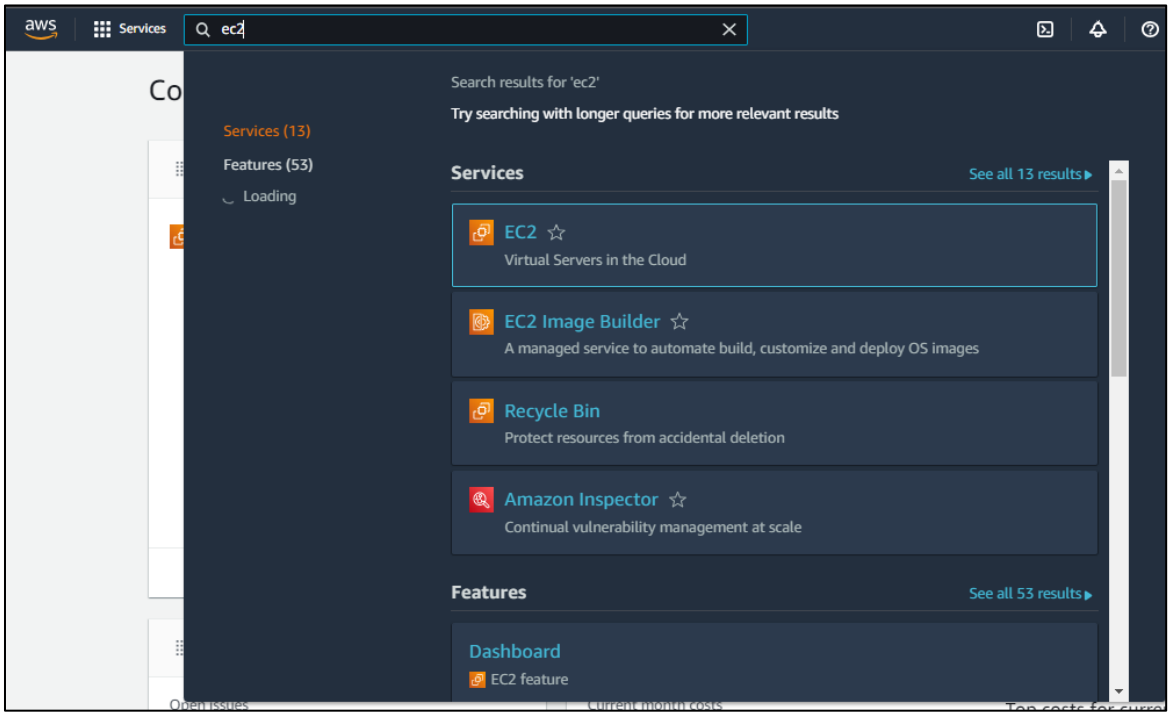
Prerequisites: Amazon account

Steps to be followed:

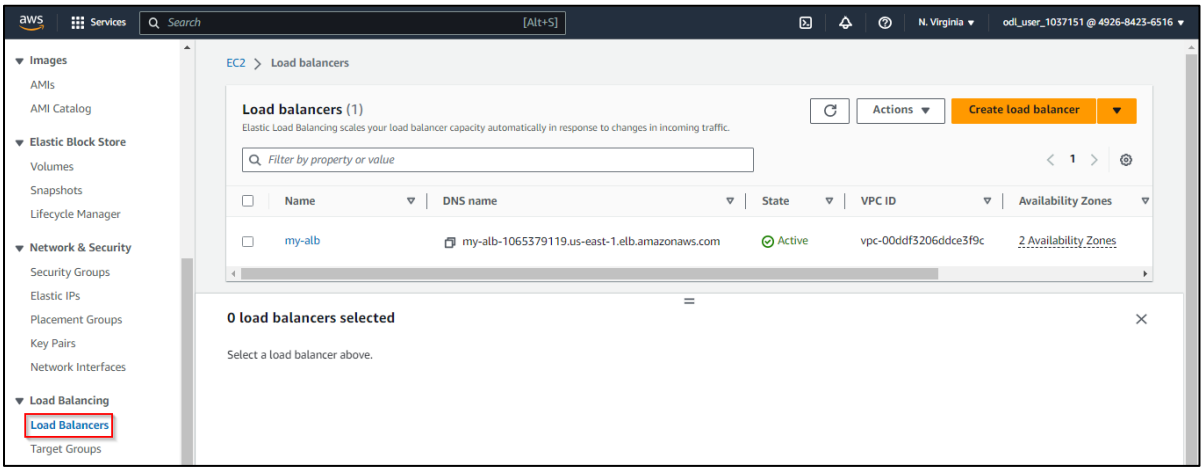
1. Set up the prerequisites for EC2
2. Create a routing request in ALB

Step 1: Set up the prerequisites for EC2

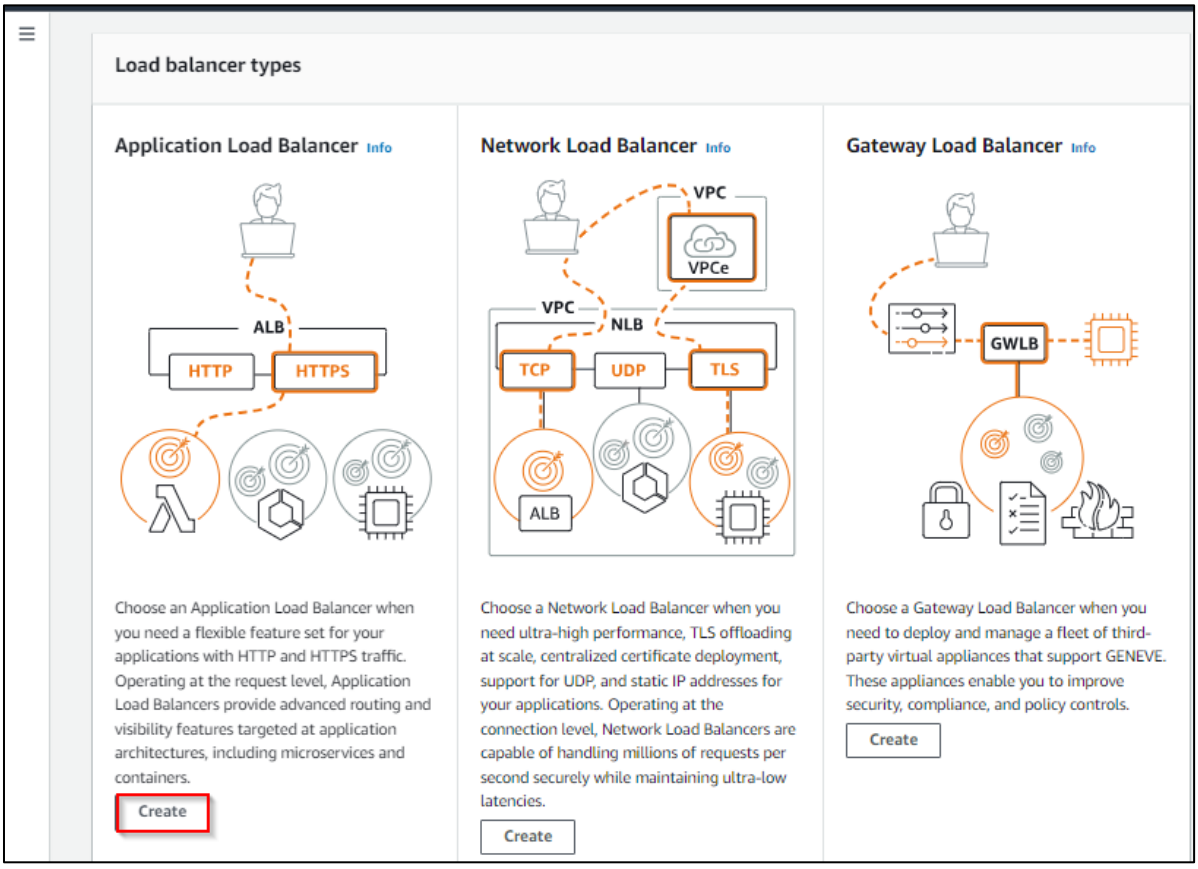
1.1 Navigate to the AWS Console Home and search for **EC2**



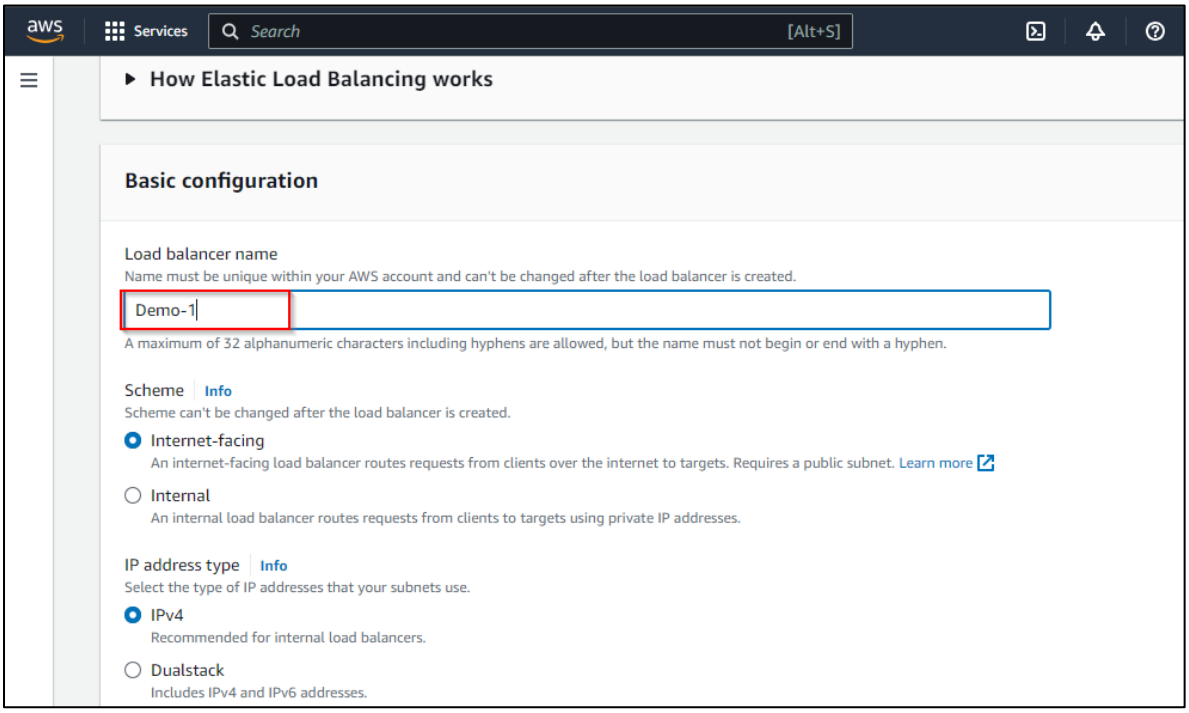
1.2 Under the **Load Balancers** tab, click on **Create Load Balancer**



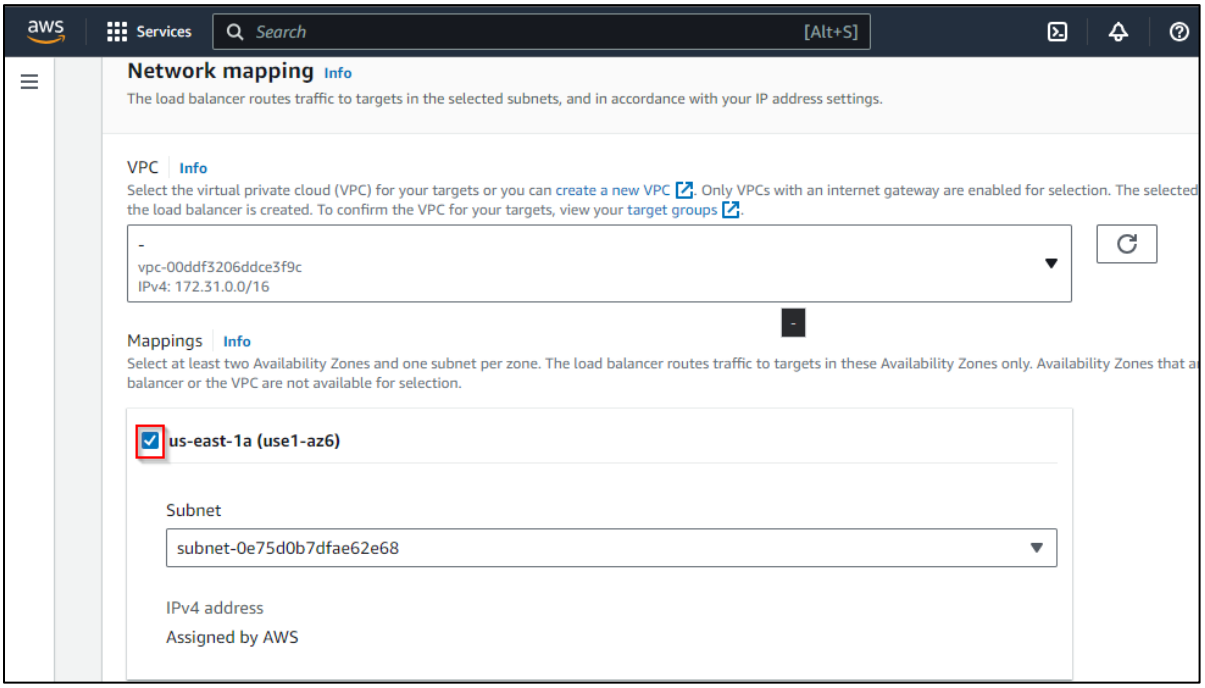
1.3 Click on **Create**



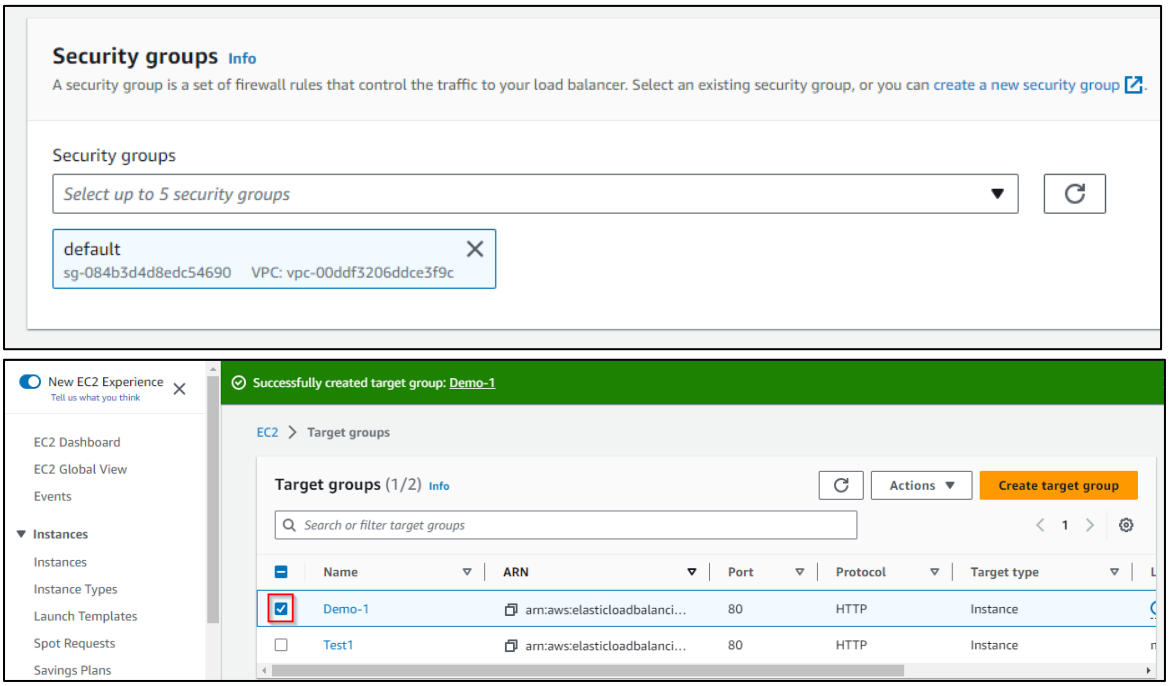
1.4 Enter the Load balancer name as **Demo-1**



1.5 Select the Mappings as **us-east 1a** and **us-east 2b**

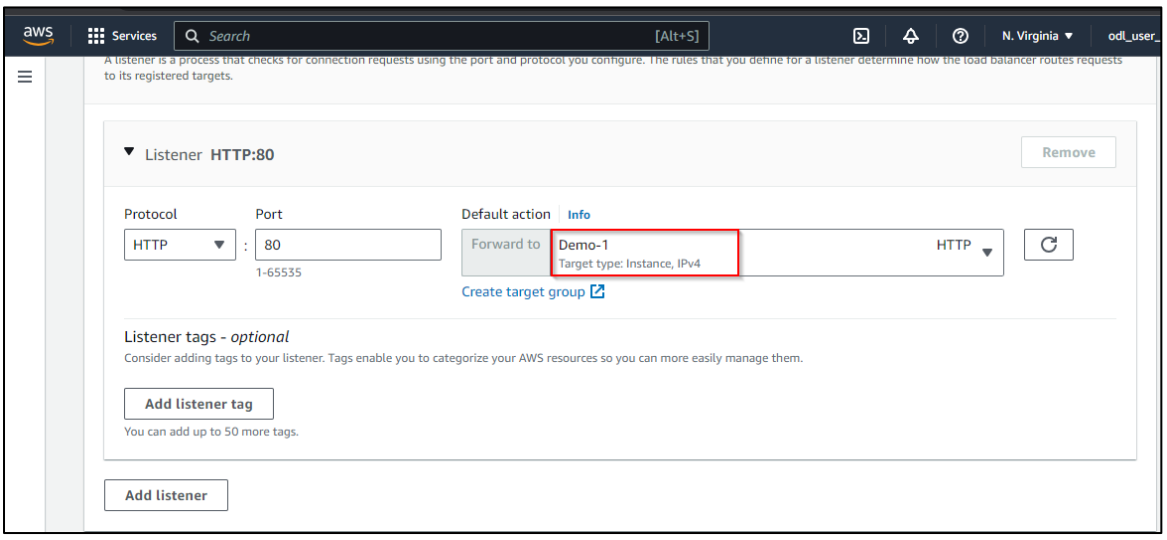


1.6 Select Security groups as **default**

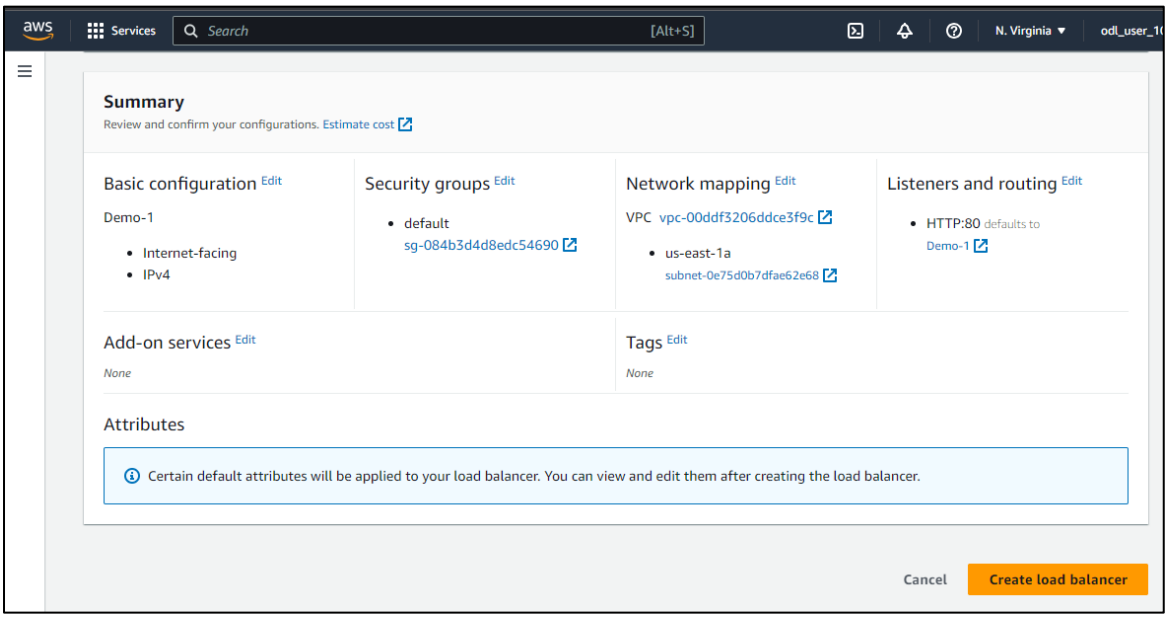


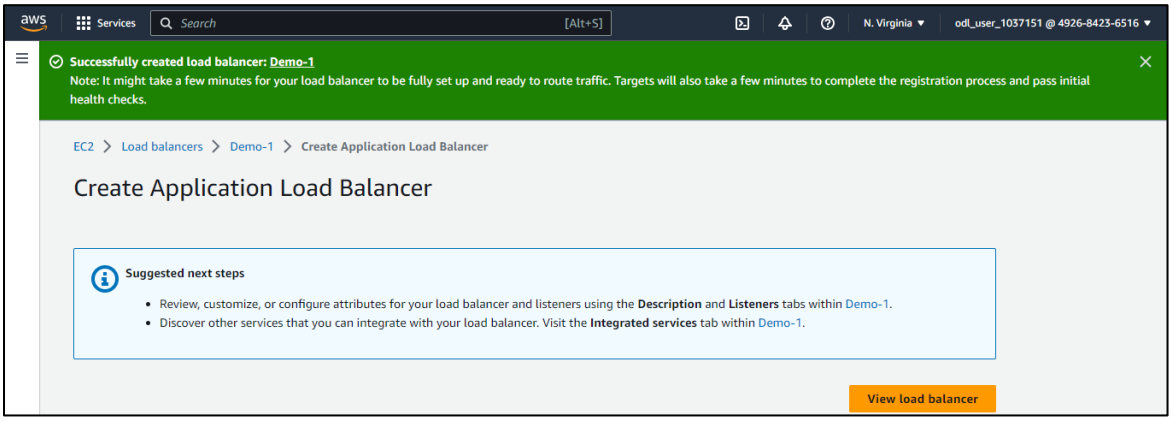
Target groups is created successfully; refer to the previous demos to know how to create target groups.

1.7 Select Default action as **Demo-1**



1.8 Click on **Create load balancer**

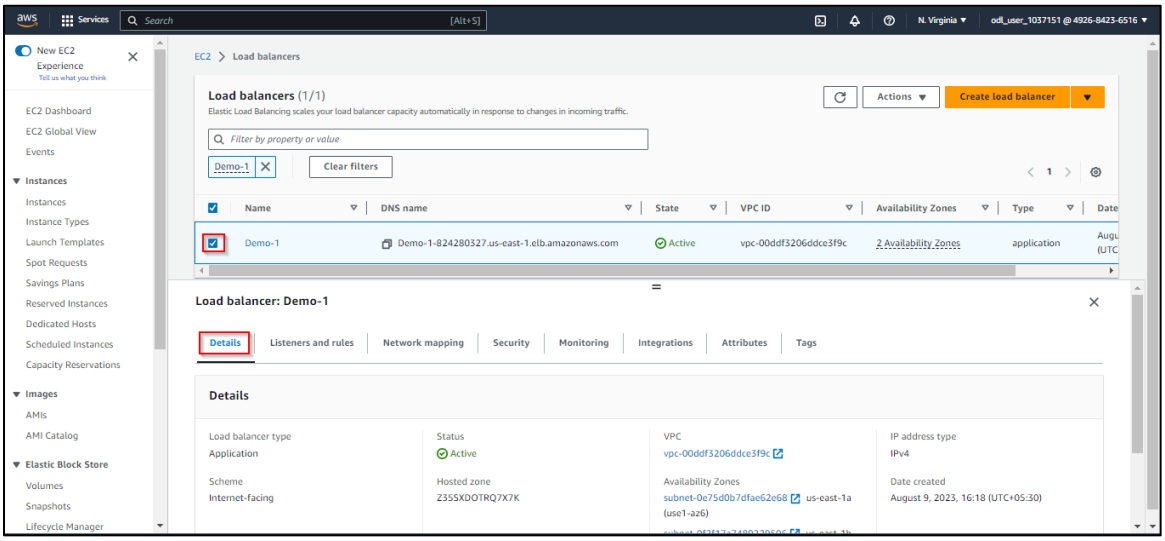




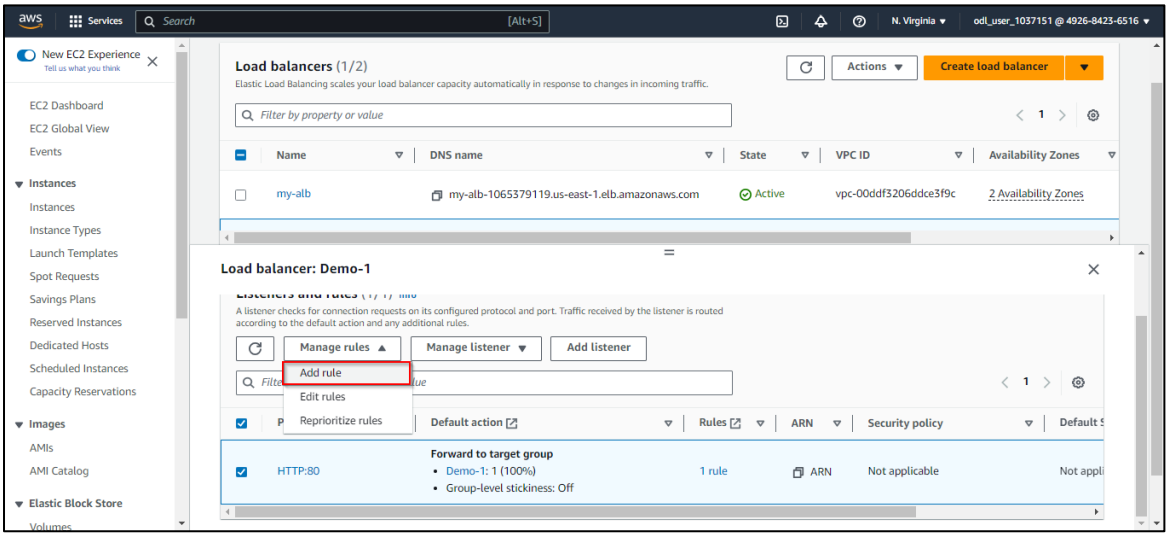
The **Application Load balancer** is successfully created.

Step 2: Create a routing request in ALB

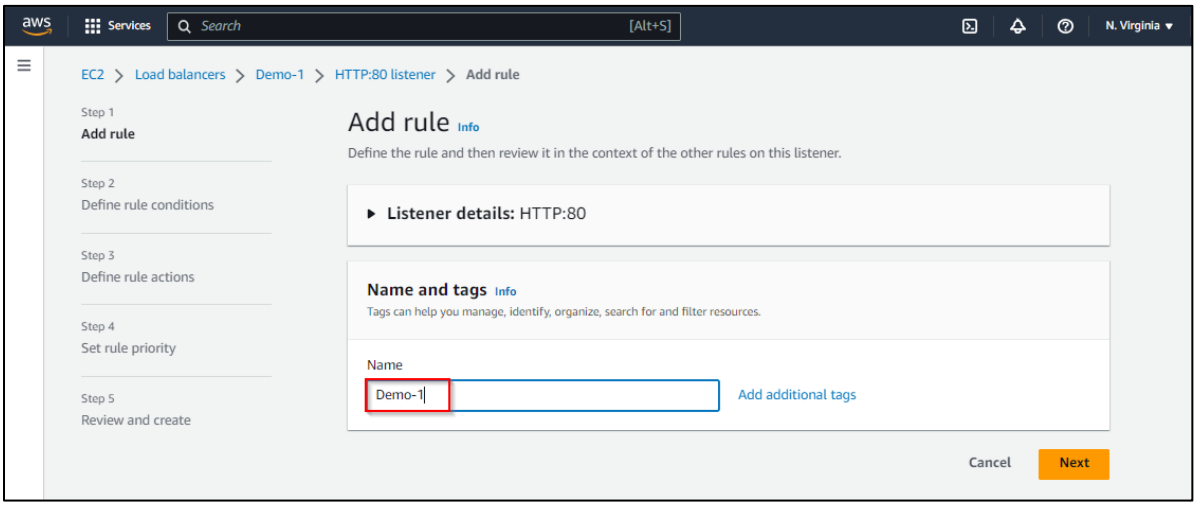
2.1 Click on the **Demo-1** > **details**



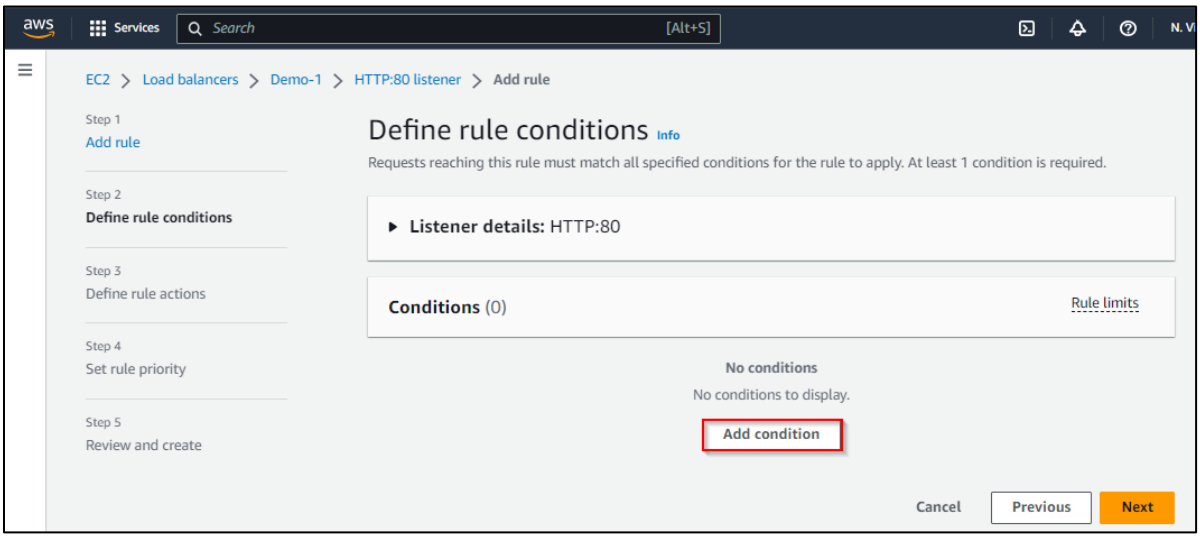
2.2 Click on Listeners, select the Listener ID, and click on **Add rule**



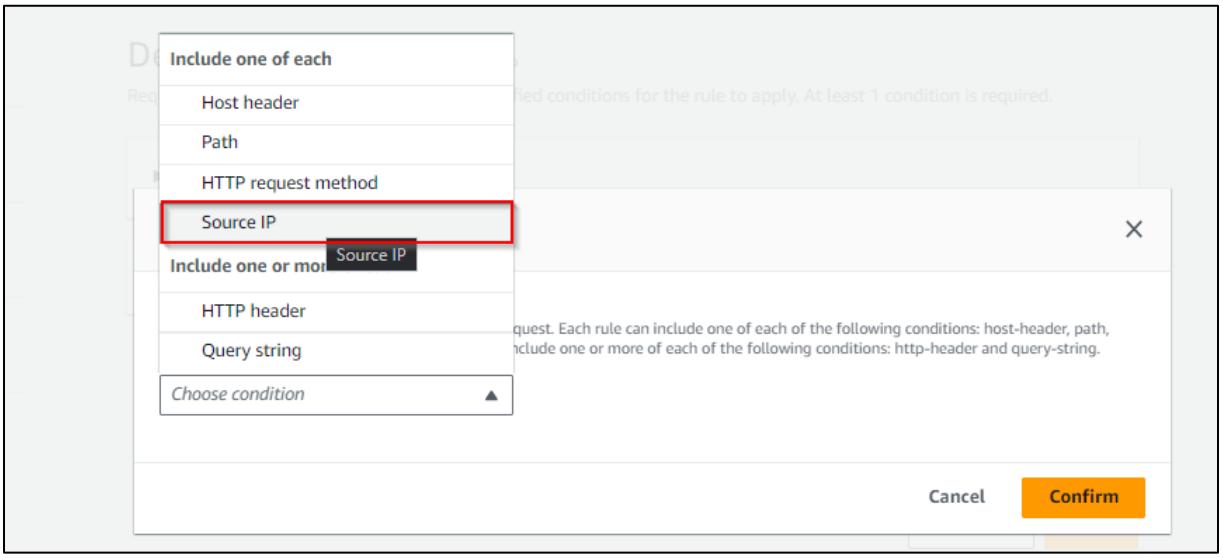
2.3 Enter the name as **Demo-1**, and click on **Next**



2.4 Click on **Add condition**

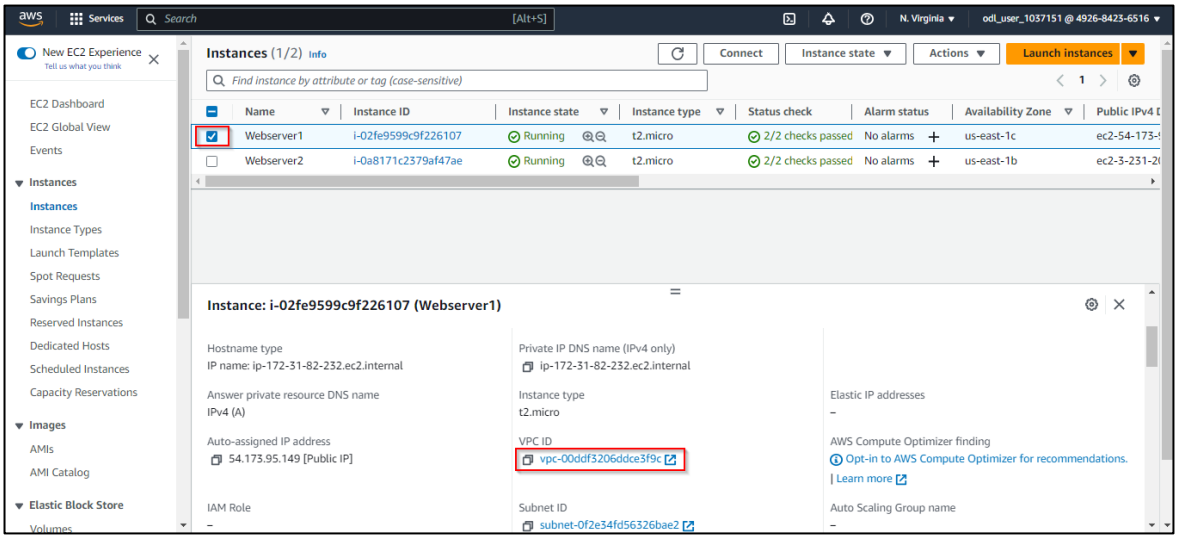


2.5 Select Rule condition types as **Source IP**

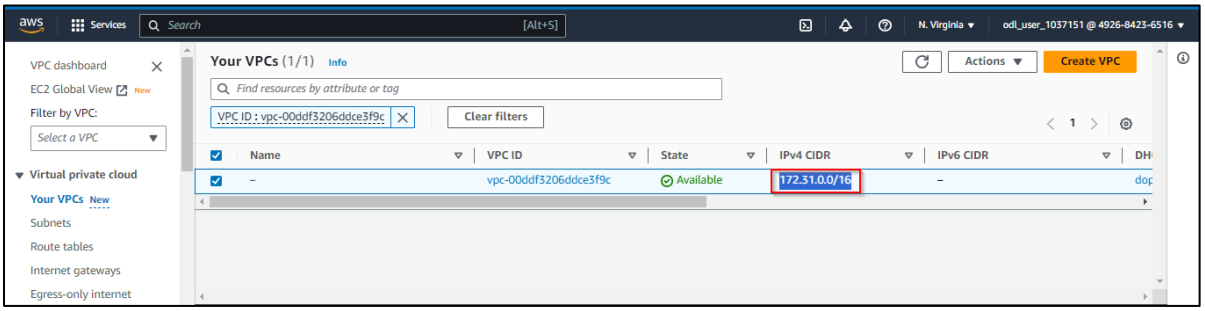


2.6 Enter the **Source IP address:**

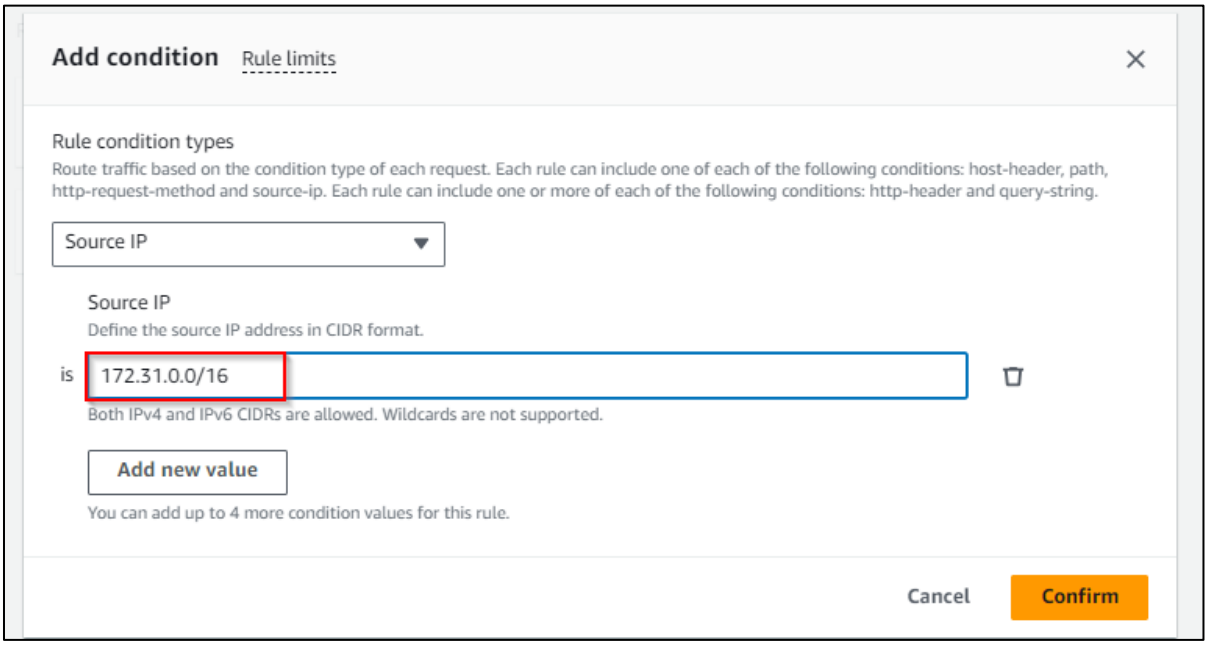
- Open a duplicate tab, navigate to the EC2 instances dashboard, and select **Webserver1** that was created in previous demos
- Under the Details tab, scroll down and click on **VPC ID**

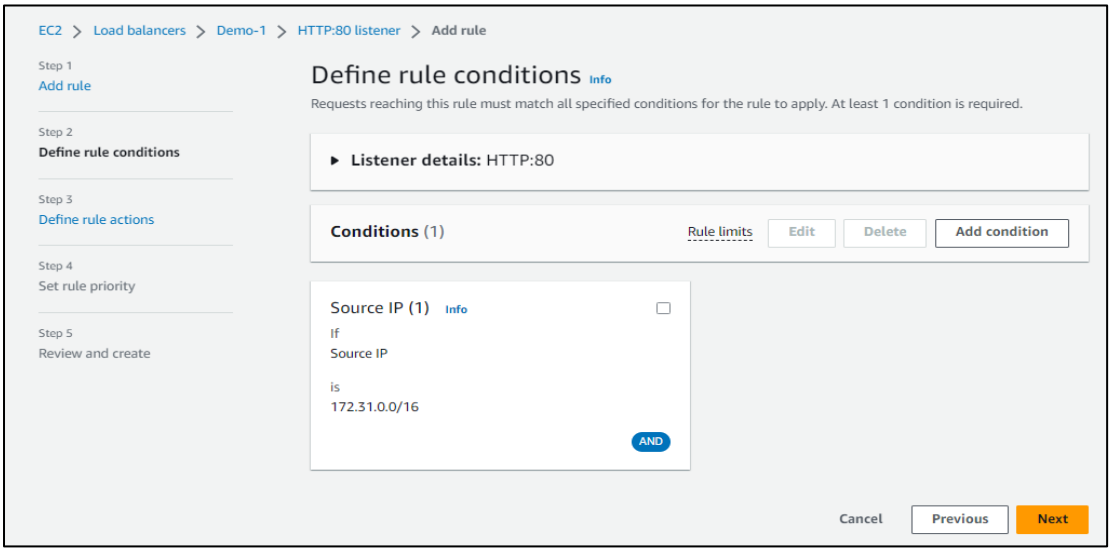


2.7 Copy the **IPv4 CIDR** from the selected VPC

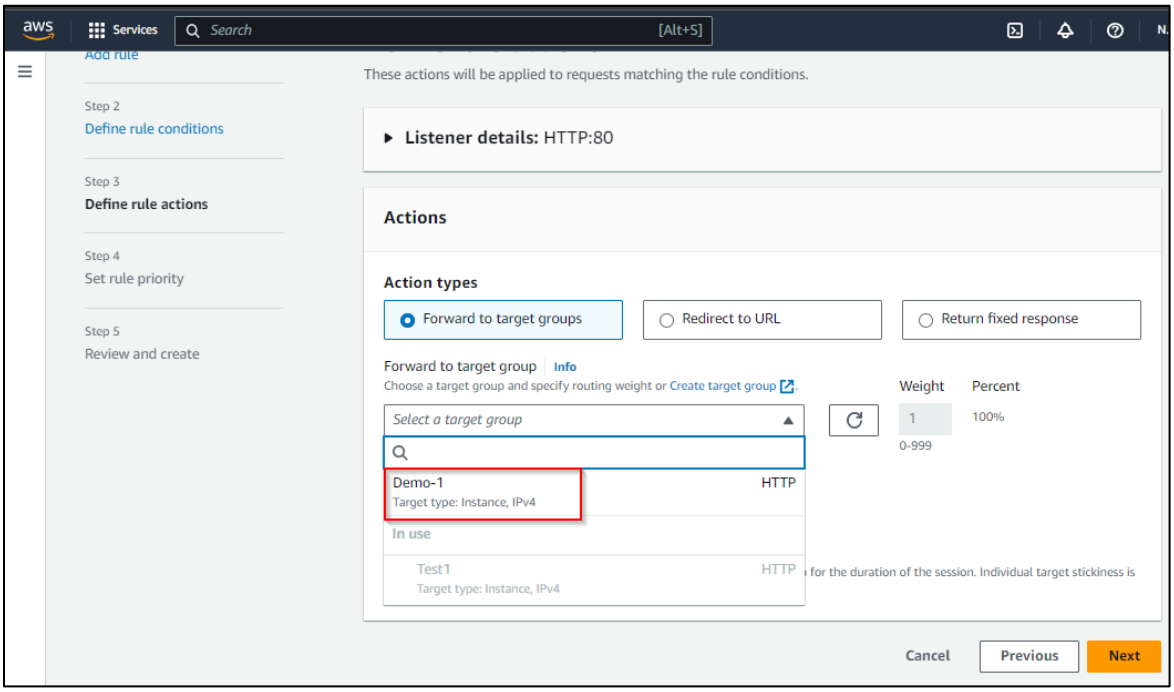


2.8 Paste it in the **is** section of **Source IP**, and click on **Confirm** and **Next**

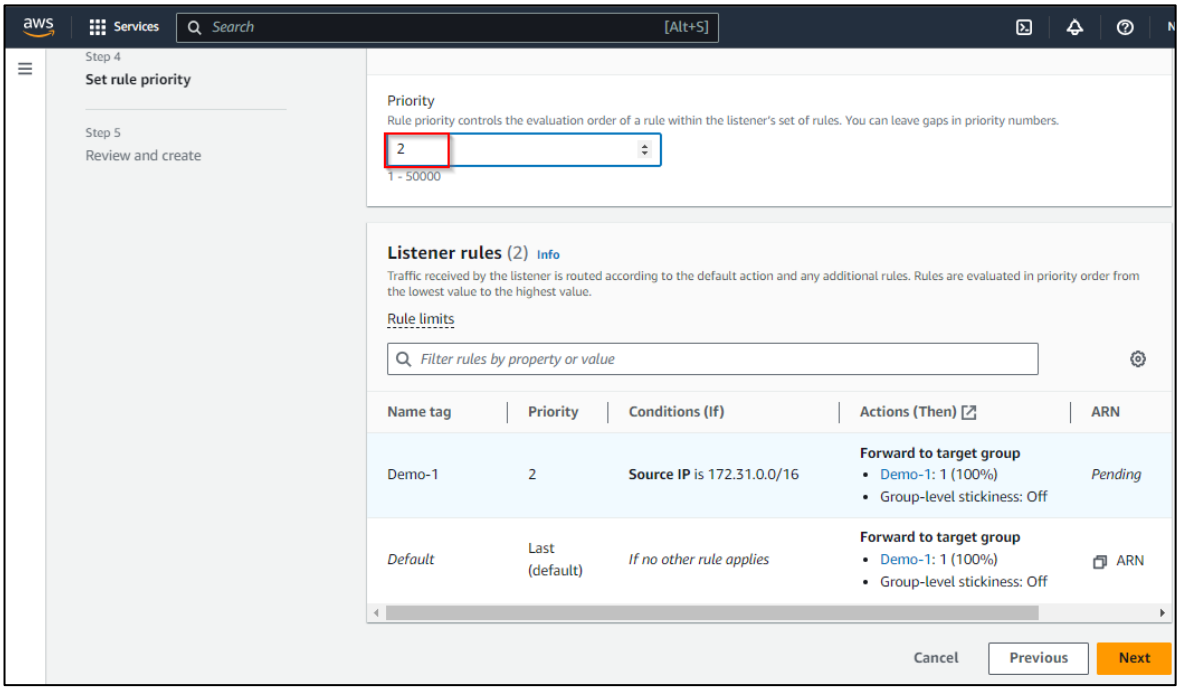




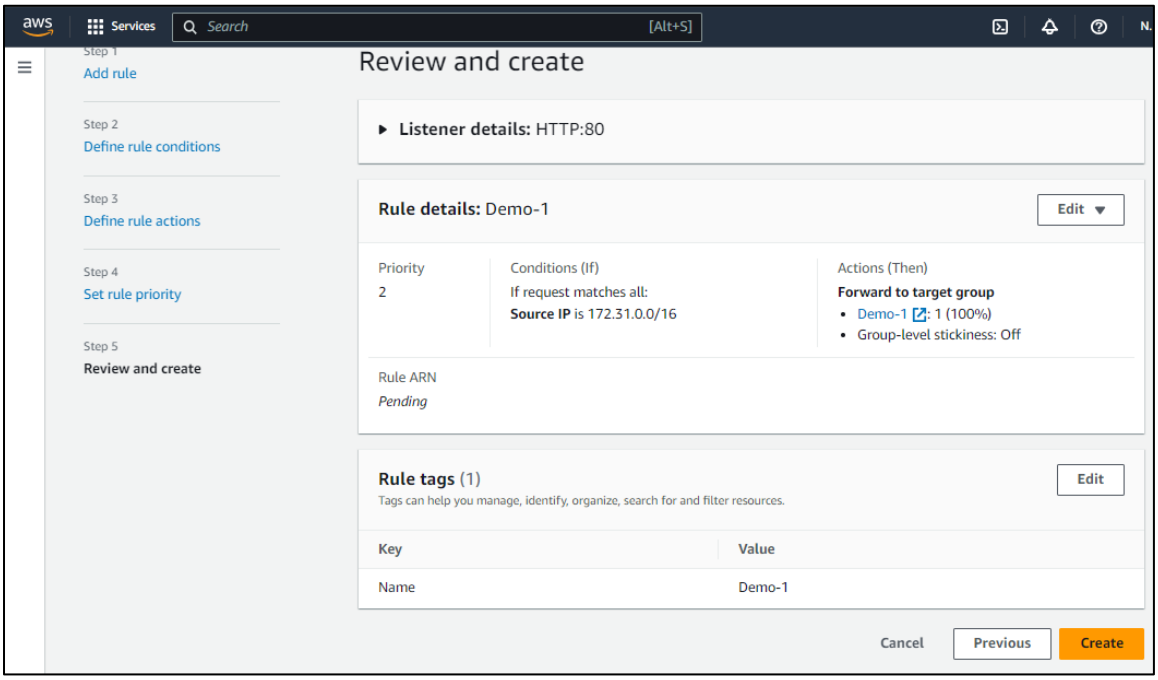
2.9 Select **forward to target groups** and target group **Demo-1**

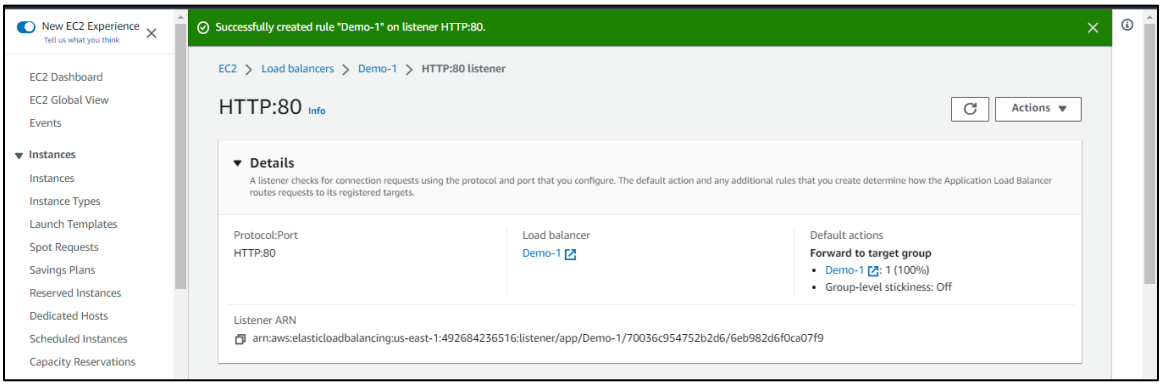


2.10 Set Priority as **2** and click on **Next**



2.11 Click on the **Create** button





HTTP:80 listener is created successfully.

By following these steps, you will be able to successfully create a routing request in an Application Load Balancer (ALB) on Amazon Web Services (AWS).