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

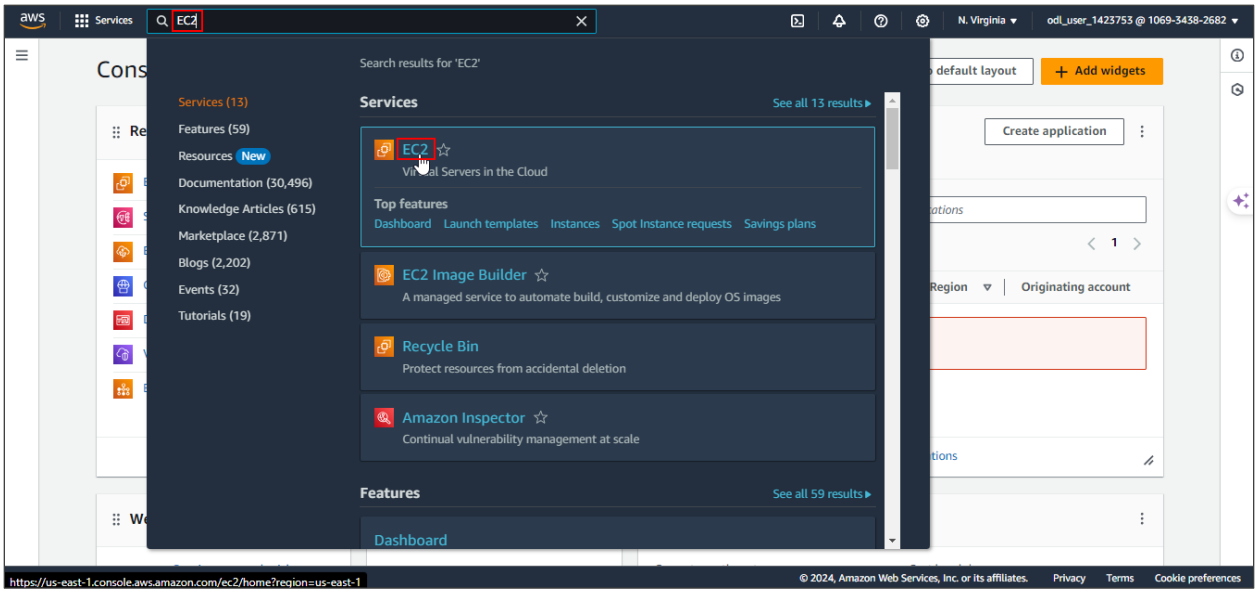
Prerequisites: Amazon account

Steps to be followed:

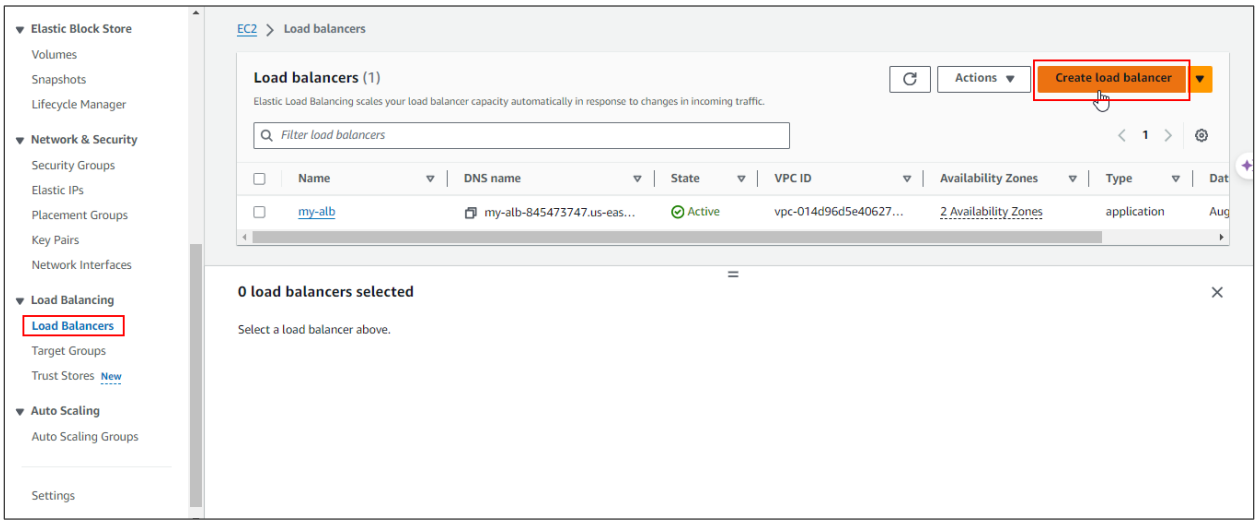
1. Set up the prerequisites for EC2
2. Create a routing request in ALB

Step 1: Set up the prerequisites for EC2

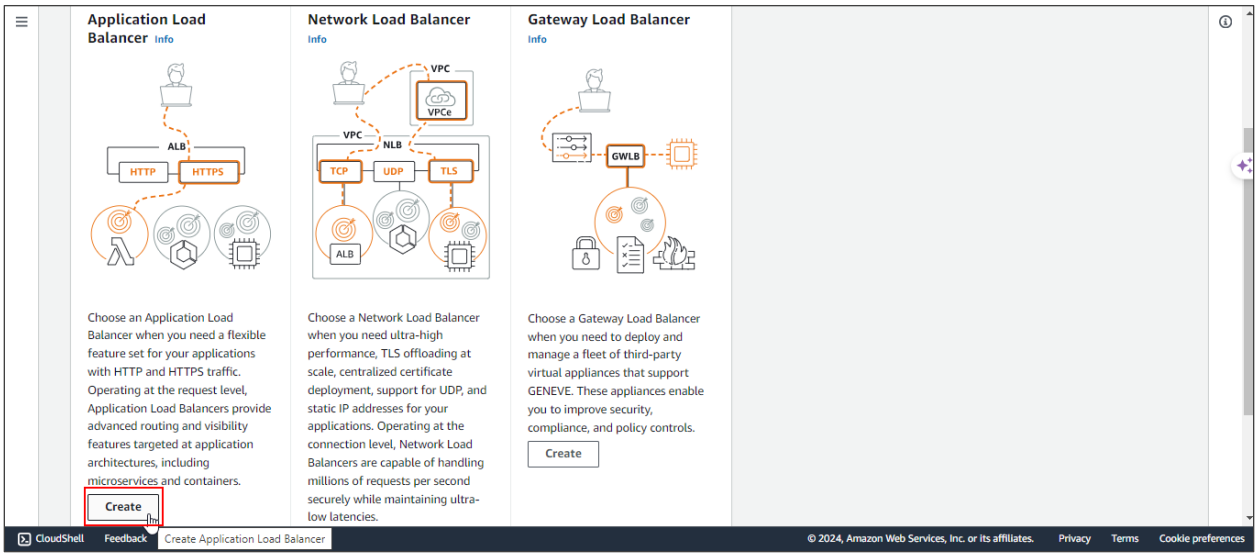
1.1 Navigate to the AWS console home dashboard, search for and click on **EC2**



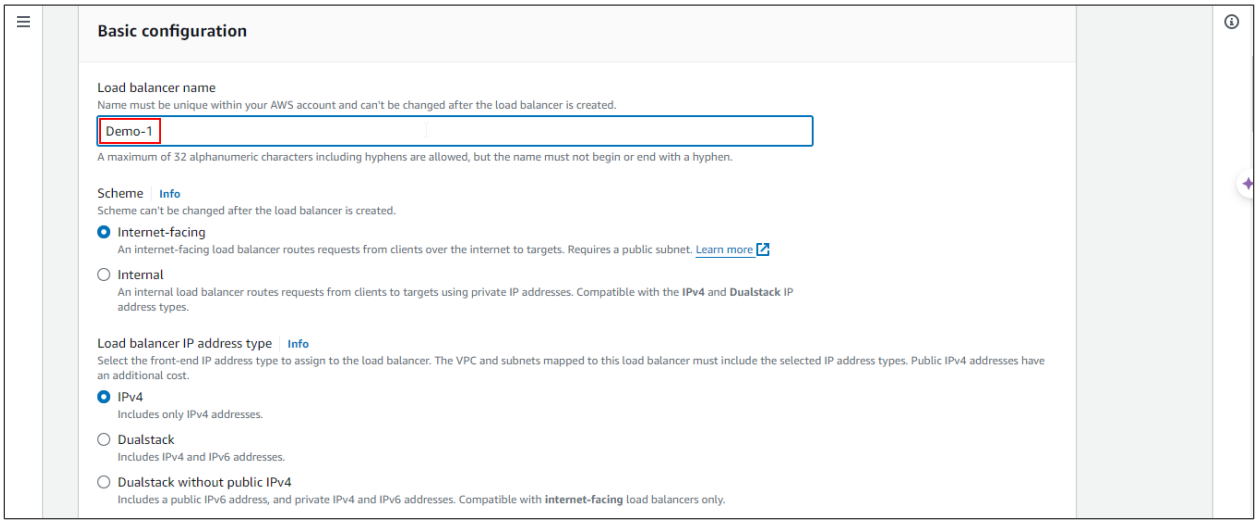
1.2 Navigate to the **Load Balancers** tab under the **Load Balancing** section and click on **Create load balancer**



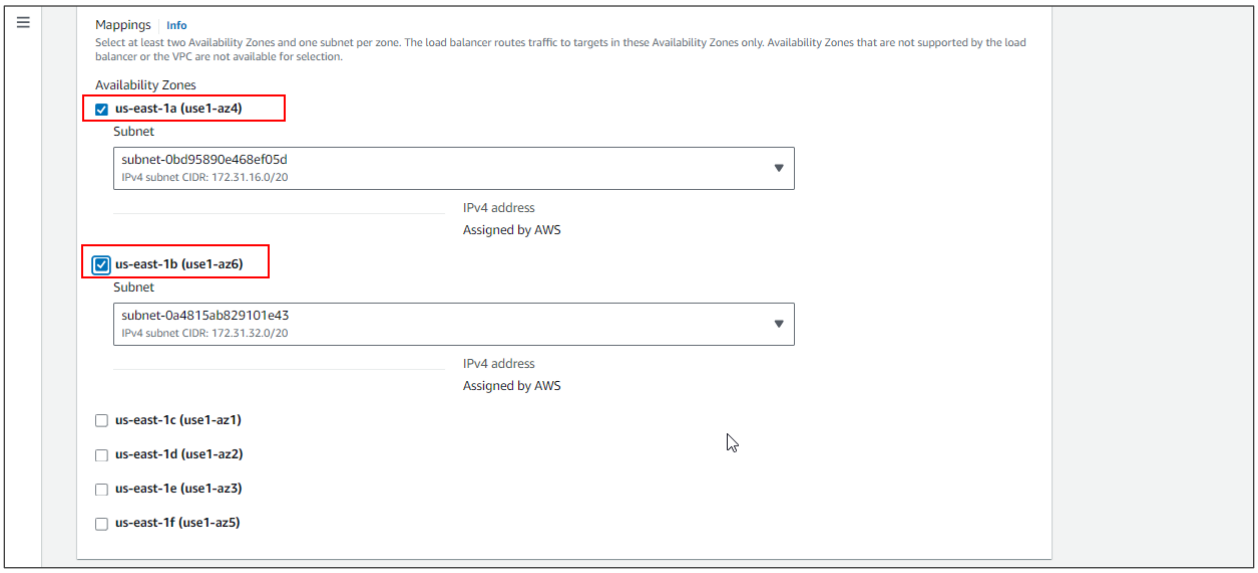
1.3 Choose **Application Load Balancer** and click on **Create**



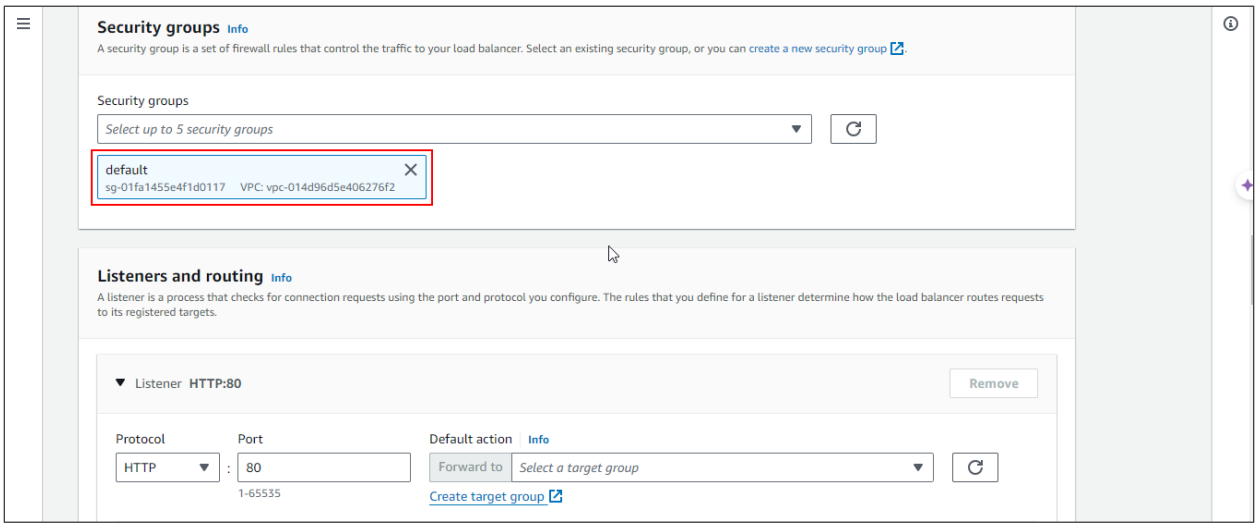
1.4 Enter the **Load balancer name** as **Demo-1**



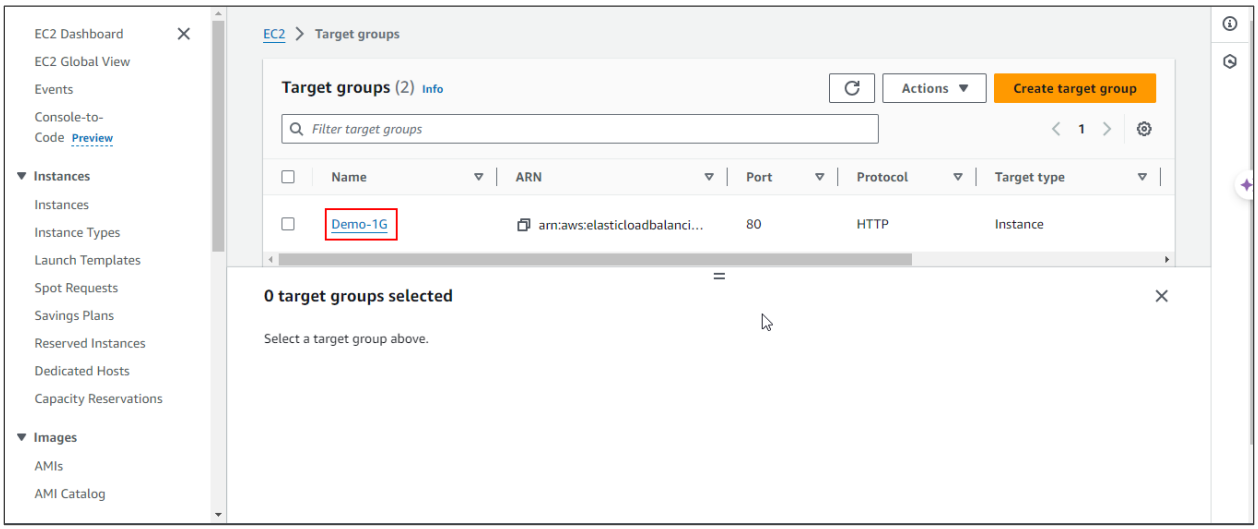
1.5 Select the **Mappings** as **us-east 1a** and **us-east 2b**



1.6 Select **Security groups** as **default**

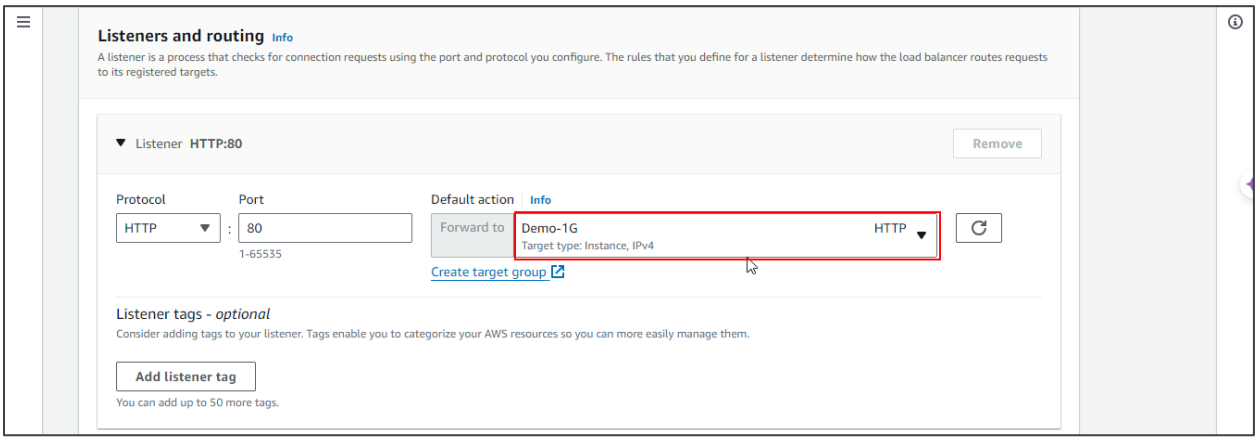


1.7 Open a new tab and create a new target group named **Demo-1G**

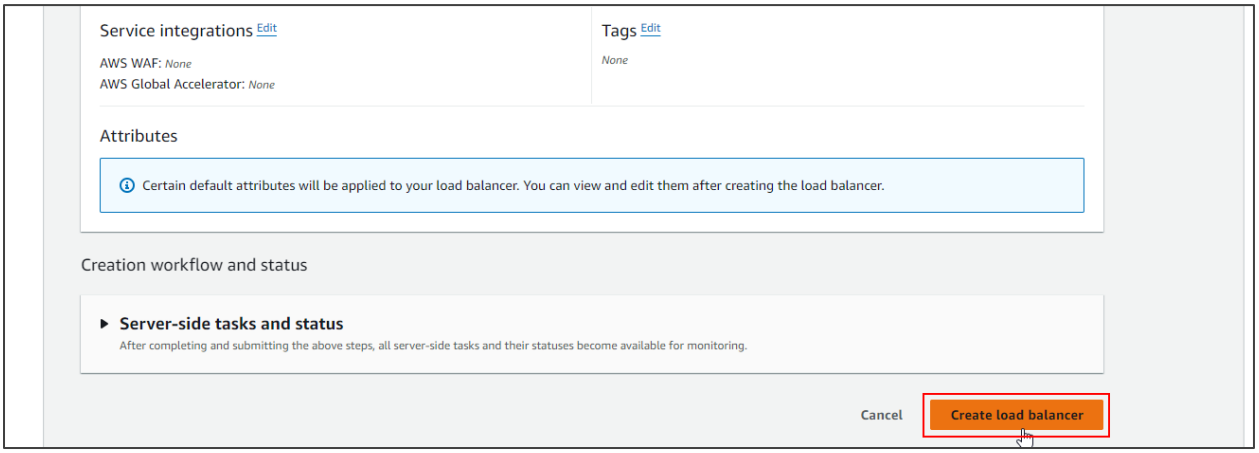


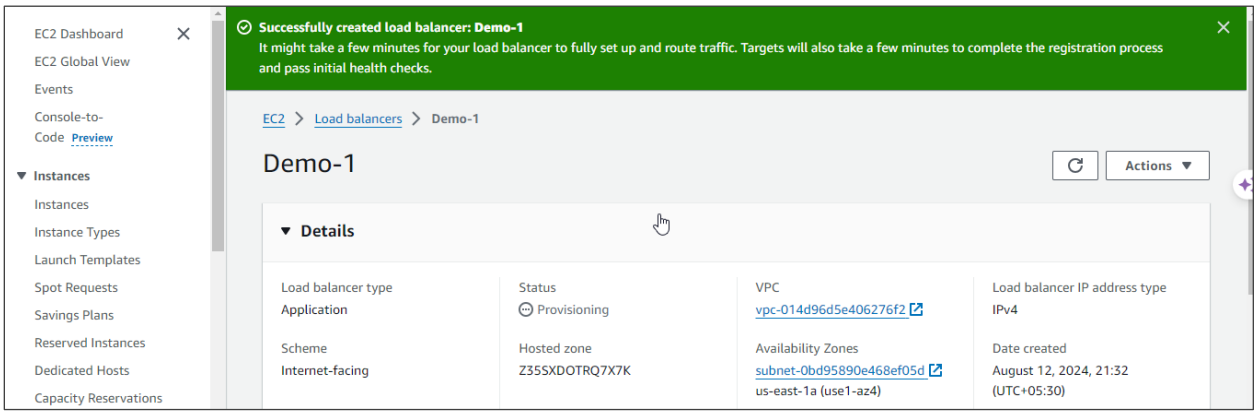
The target groups have been created successfully. Refer to the previous demos for instructions on how to create target groups.

1.8 Select **Demo-1** as the default action in the **Listeners and Routing** section



1.9 Click on **Create load balancer**

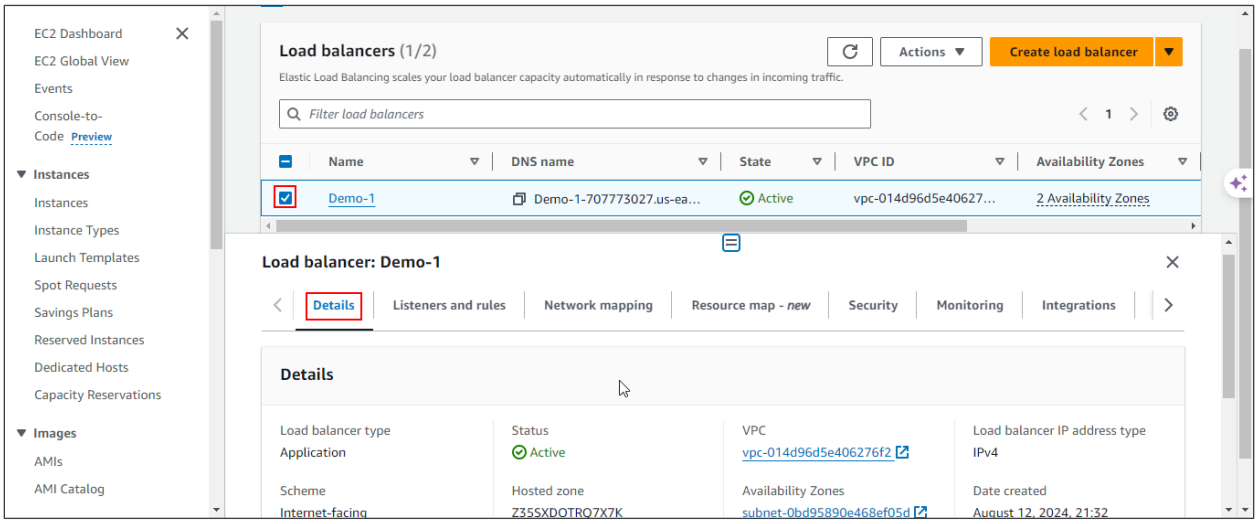




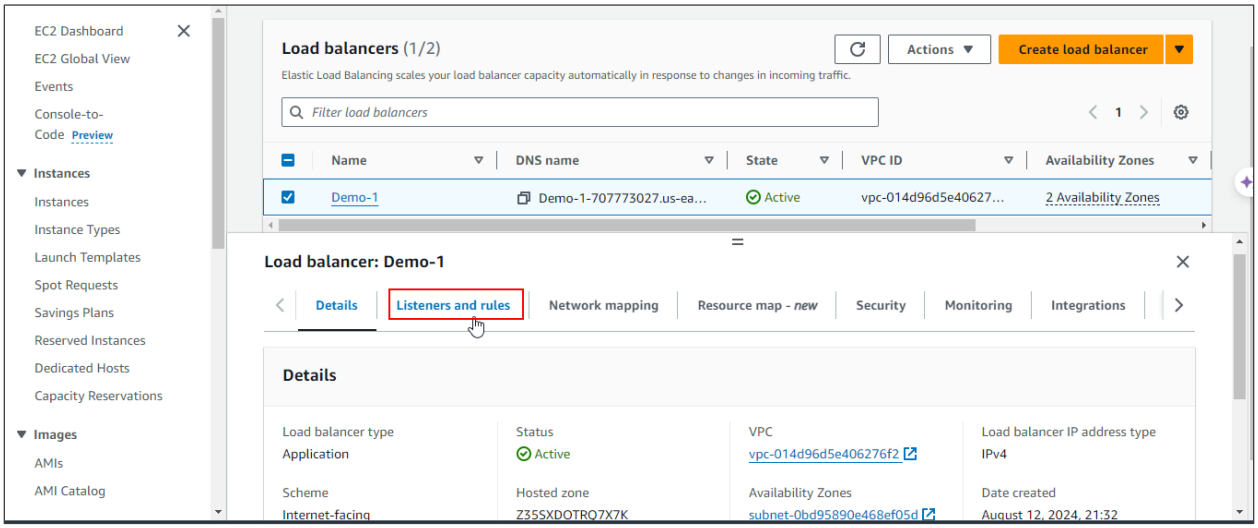
The **Application Load Balancer** has been successfully created.

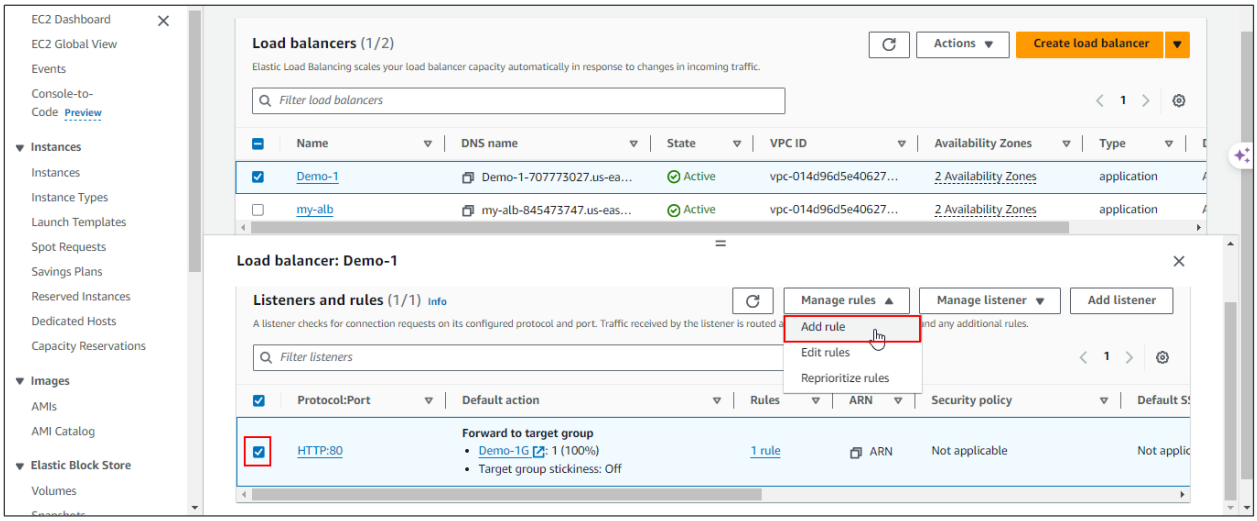
Step 2: Create a routing request in ALB

2.1 Select **Demo-1** and click on **Details**

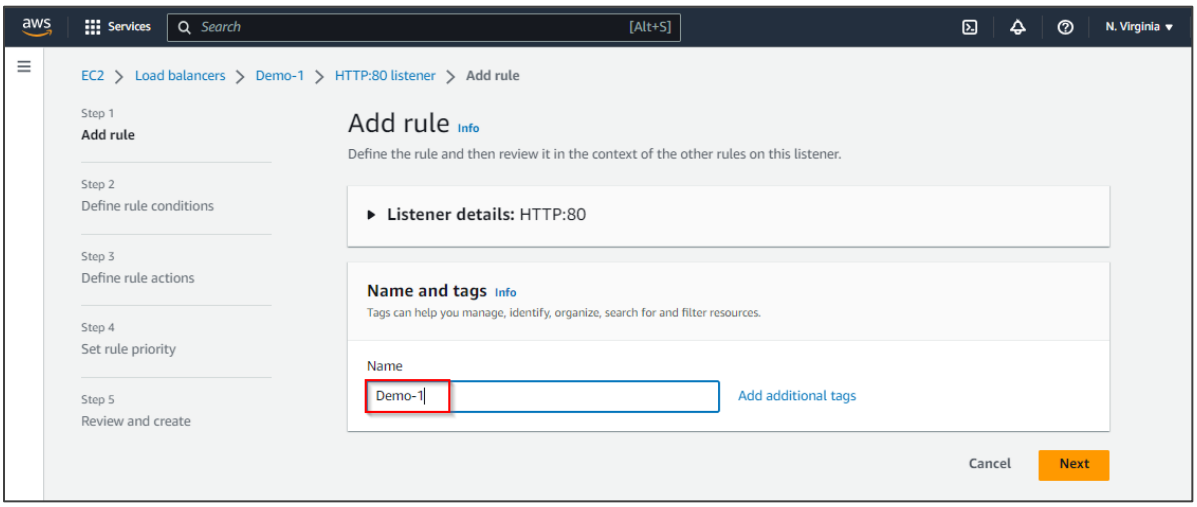


2.2 Click on **Listeners and rules**, select the Listener ID, and click on **Add rule**

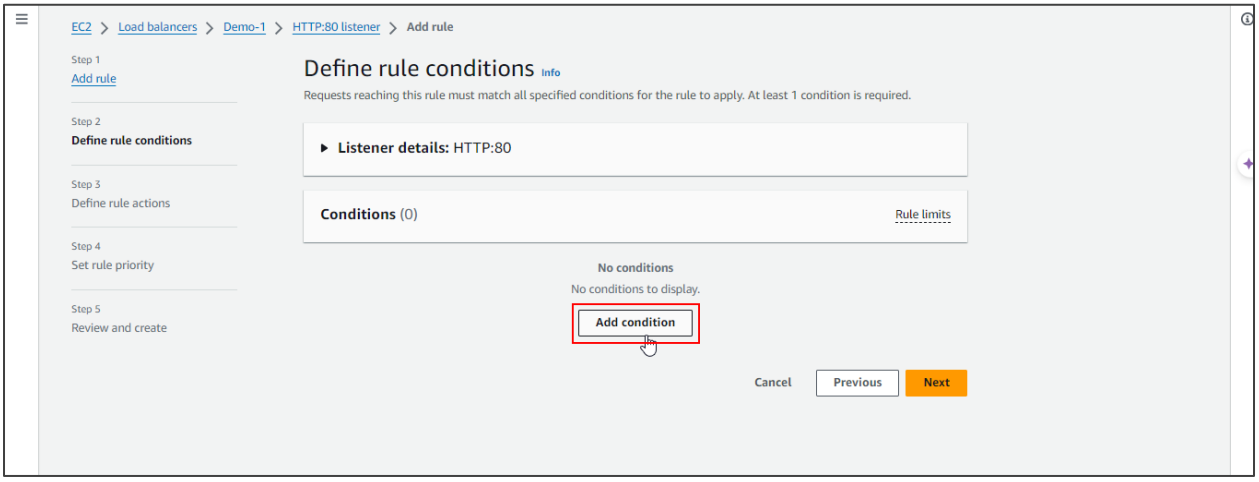




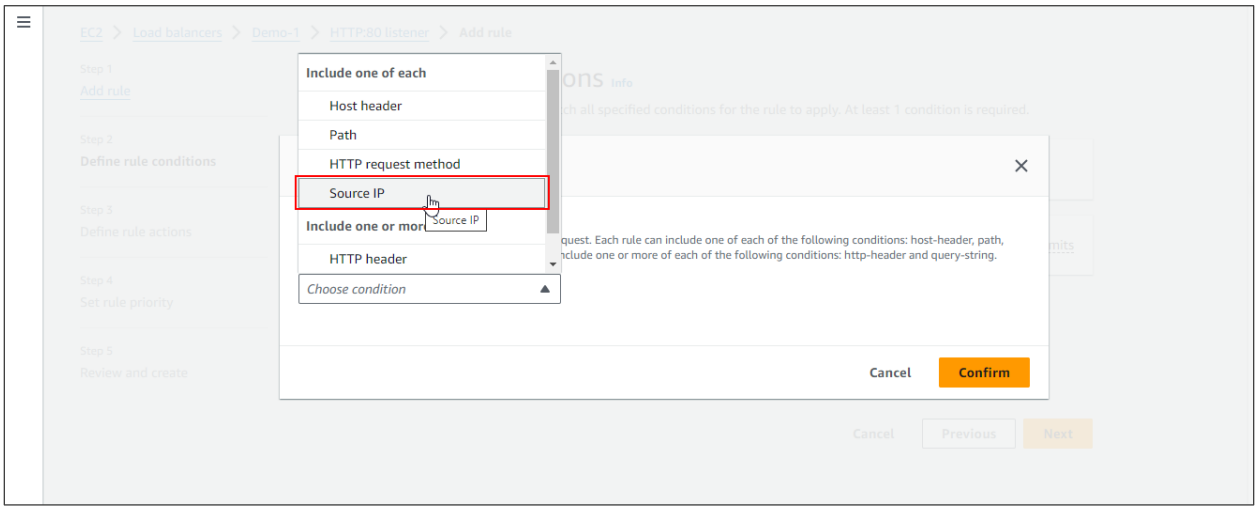
2.3 Enter the name as **Demo-1** and click **Next**



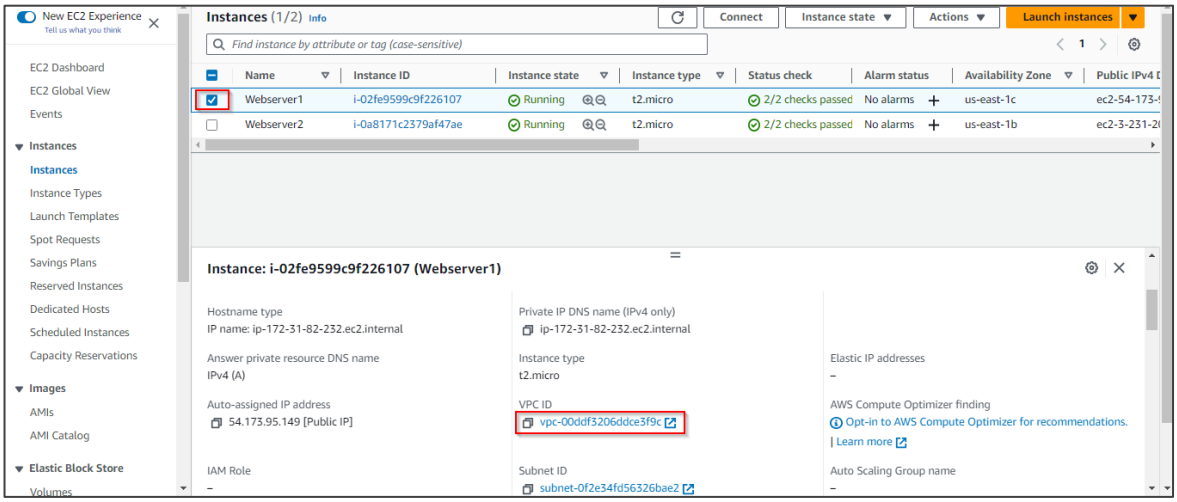
2.4 Click on **Add condition**



2.5 Select **Source IP** as the **Rule condition type**

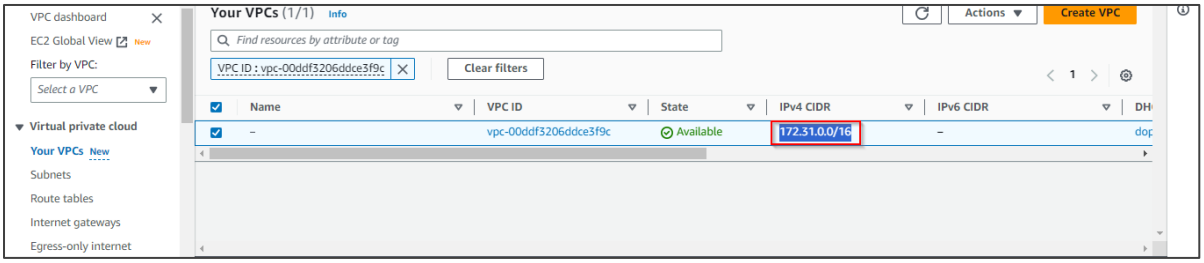


2.6 Enter the Source IP address, open a new tab, go to the EC2 dashboard, select **Webserver1** from the previous demos, and click on the **VPC ID** under the Details tab

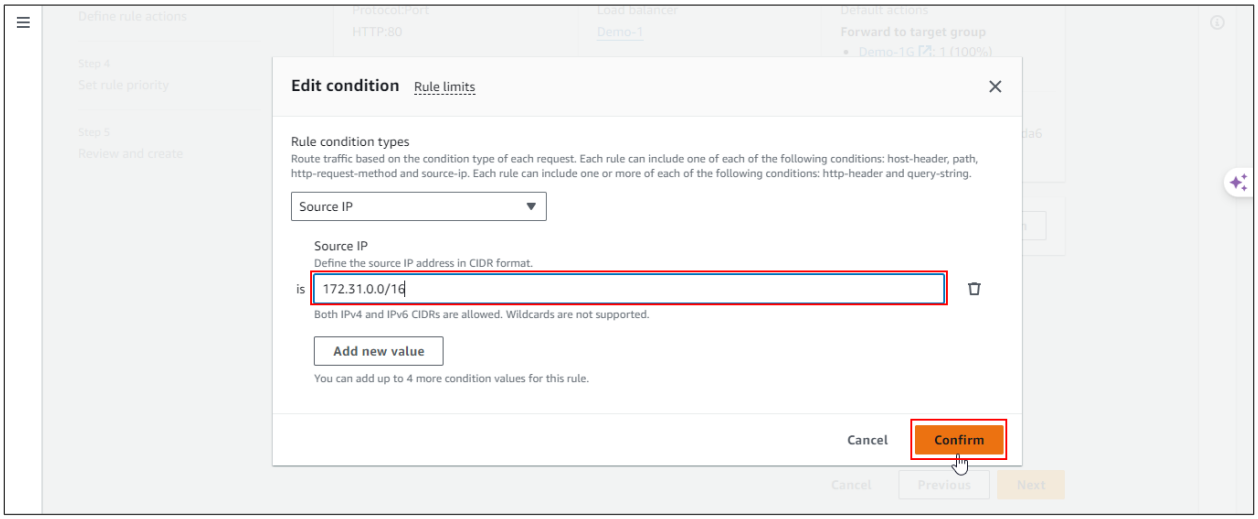


Note: Refer to the previous demos for creating instances

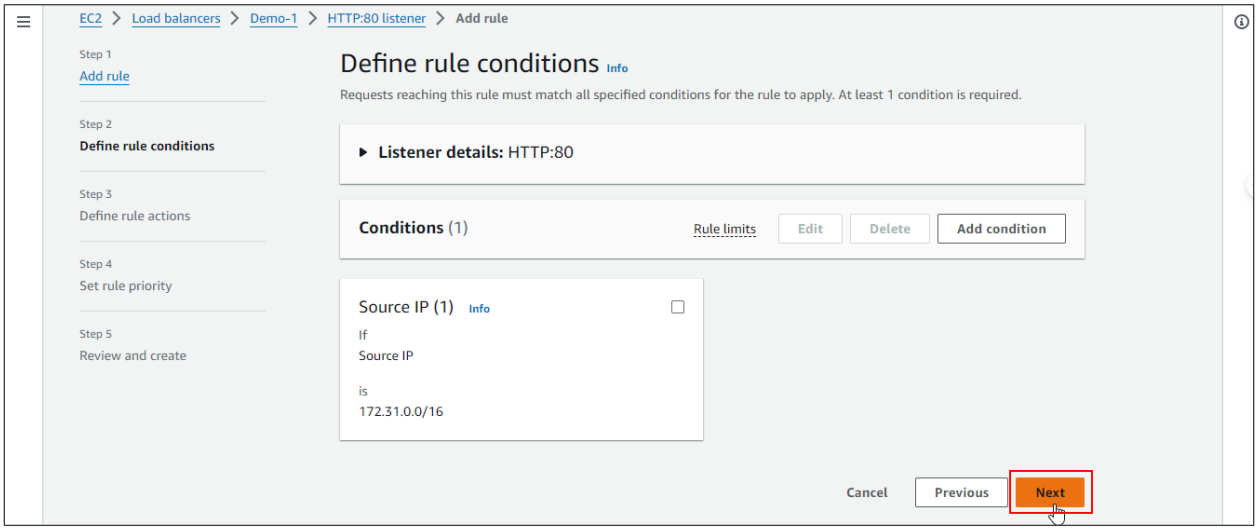
2.7 Copy the **IPv4 CIDR** from the selected VPC



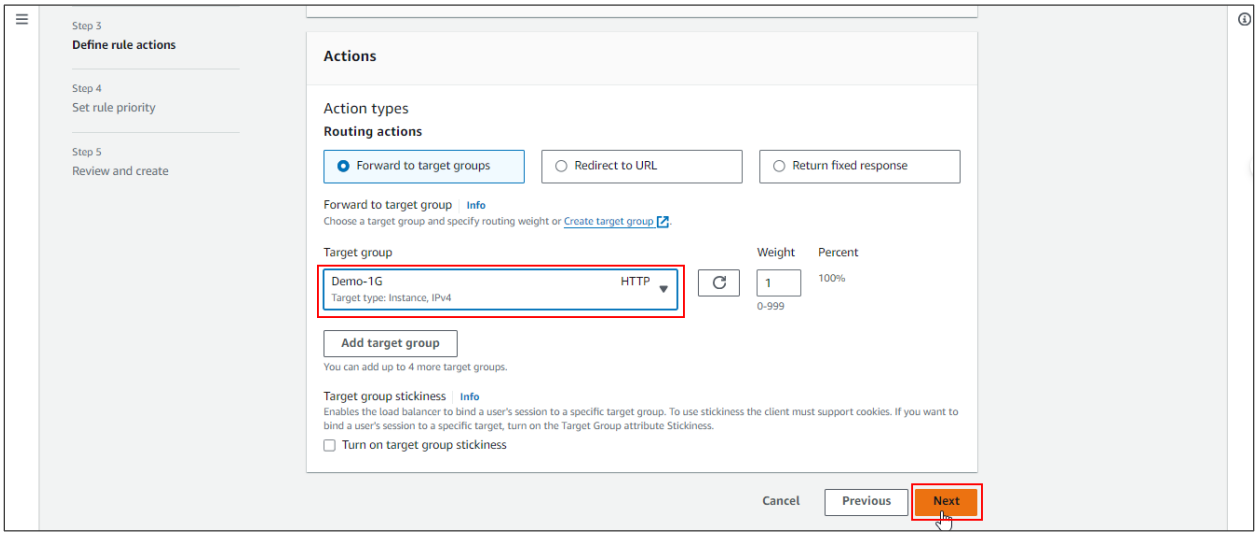
2.8 Paste the copied IP address into the **Source IP** field and click **Confirm**



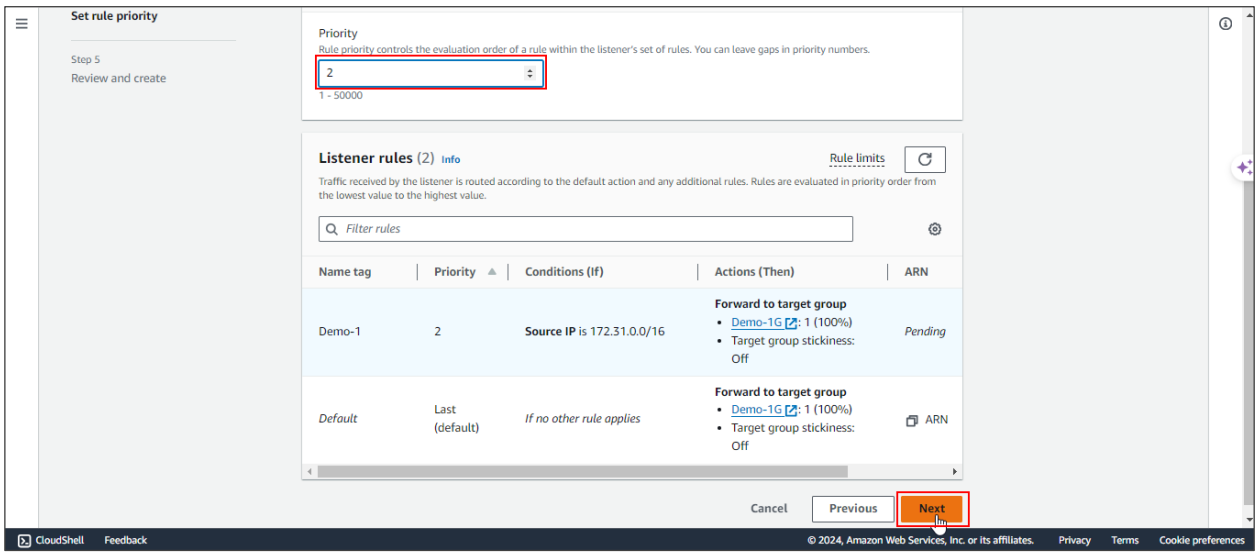
2.9 Click on **Next**



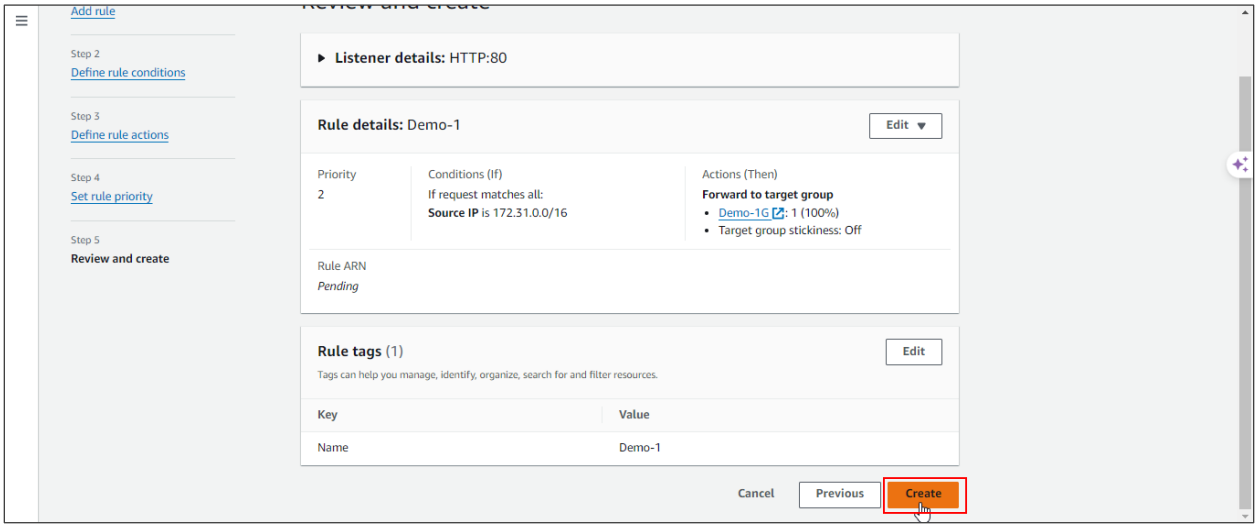
2.10 Select **Forward to target groups** and choose the target group **Demo-1**

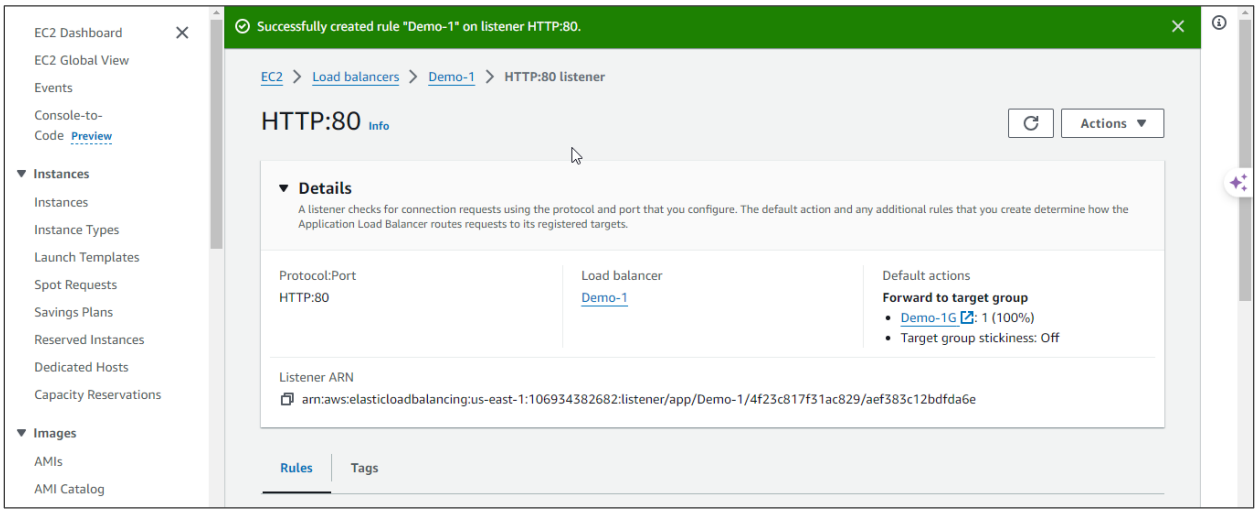


2.11 Set the priority to **2** and click **Next**



2.12 Click on the **Create** button





The **HTTP:80** listener has been created successfully.

By following these steps, you have successfully created a routing request in an Application Load Balancer (ALB) on Amazon Web Services (AWS).