

Lesson 03 Demo 09

Creating a Network Load Balancer

Objective: To create a Network Load Balancer (NLB) in the Amazon Web Services (AWS) environment for distributing traffic across the specified availability zones using multiple listeners and target groups

Tools required: Amazon Workspace

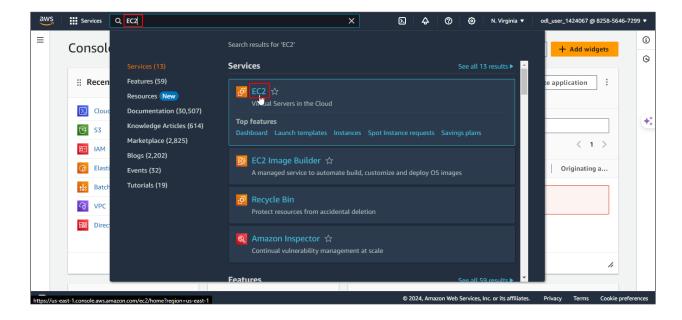
Prerequisites: Amazon account

Steps to be followed:

1. Set up the Network Load Balancer

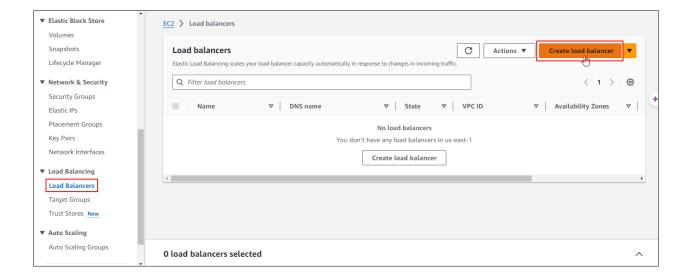
Step 1: Set up the Network Load Balancer

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

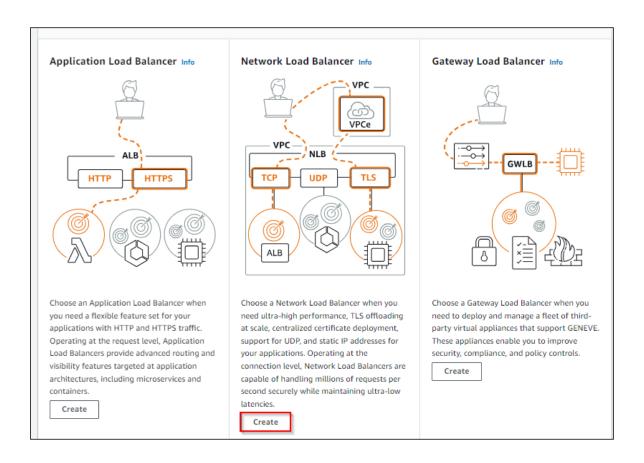




1.2 Navigate to **Load Balancers** under the **Load Balancing** section and click **Create load balancer**

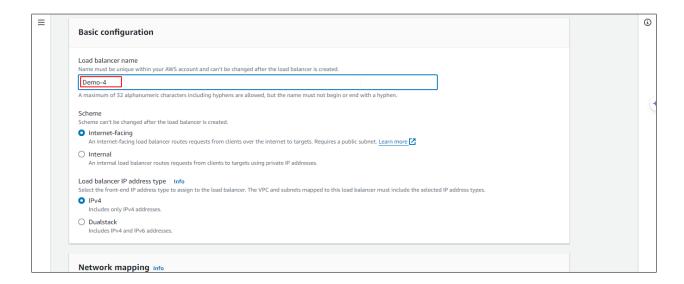


1.3 Choose Network Load Balancer and click on Create

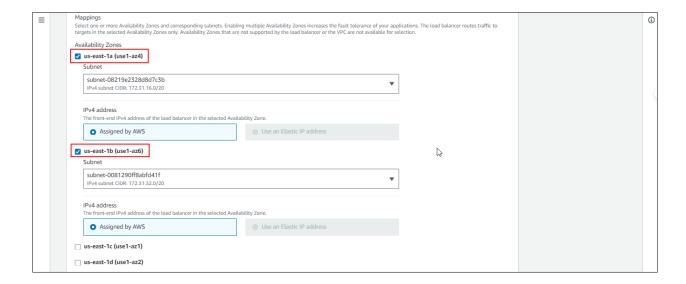




1.4 Enter the Load balancer name as Demo-4

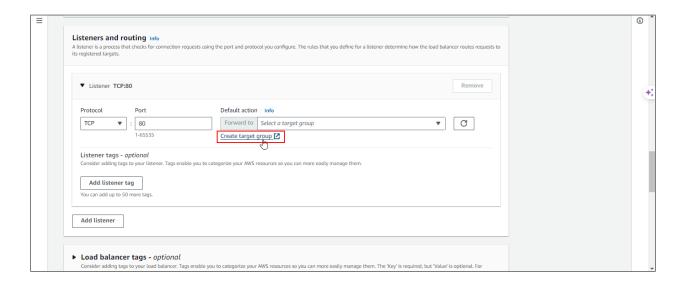


1.5 Select the Mappings, us-east-1a and us-east-1b



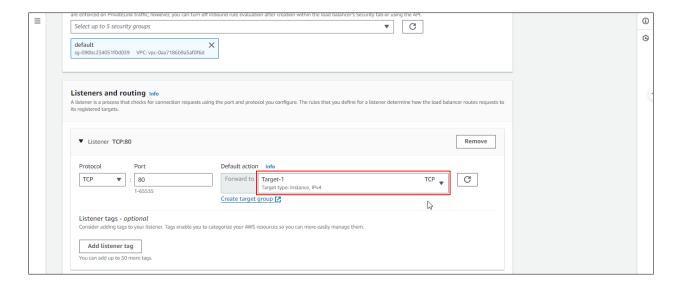


1.6 Click on Create target group



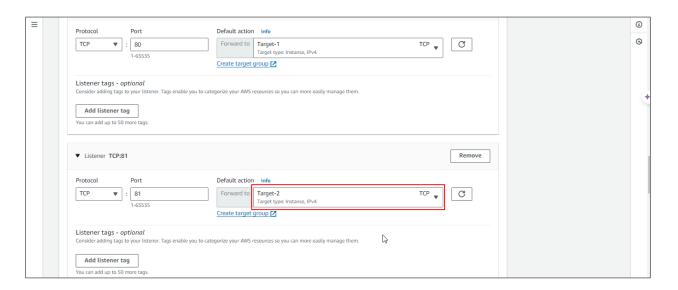
On the **Listeners and routing** tab, add more than one listener and select the **target group name**. Refer to the previous demos to learn how to create target groups.

1.7 Select Target-1 as the Default action

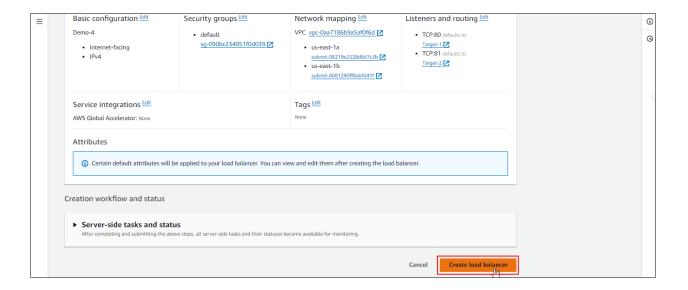




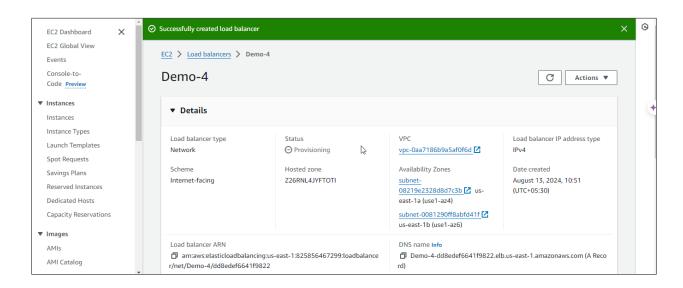
1.8 Add Target-2 as another Default action



1.9 Click on Create load balancer

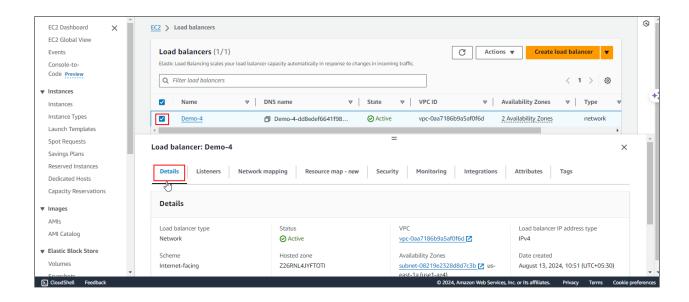






The load balancer **Demo-4** has been successfully created.

1.10 Select the load balancer and click on Details to access the VPC and DNS name



By following these steps, you have successfully created a Network Load Balancer to distribute traffic across the specified availability zones using multiple listeners and target groups.