AWS ELB - ALB Multiple Target Groups

Thursday, November 21, 2024 9:05 AM

Requirements

Two EC2 instances with a simple web application that shows the web page with the string "Hey, it's a me, <HOSTNAME>!" One EC2 instance with a simple web application that shows the web page with the string "Hey, it's only a test..." under the endpoint /test

Objectives

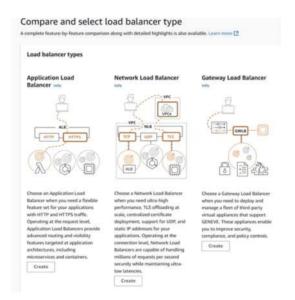
- 1. Create an application load balancer for the two instances you have, with the following properties
- 2. healthy threshold: 3
- 3. unhealthy threshold: 3
- 4. interval: 10 seconds
- 5. Create another target group for the third instance
- 6. Traffic should be forwarded to this group based on the "/test" path

Solution

- Go to EC2 service
- Click in the left side menu on "Load balancers" under "Load balancing"
- Click on "Create load balancer"



• Choose "Application Load Balancer"



Insert a name for the LB

Basic configuration Load balancer name Name must be unique within your AWS account and can't be changed after the load balancer is created. Demo-ALB A maximum of 32 alphanumeric characters including hyphens are allowed, but the name must not begin or end with a hyphen. Scheme Info Scheme can't be changed after the load balancer is created. Internet-facing ○ Internal Serves internet-facing traffic. Has public IP addresses. Serves internal traffic.Has private IP addresses. DNS name is publicly resolvable.Requires a public subnet. DNS name is not publicly resolvable. Load balancer IP address type Info Select the front-end IP address type to assign to the load balancer. The VPC and subnets mapped to this load balancer must include the selected IP address types. Public IPv4 addresses have an additional cost. O IPv4 Includes only IPv4 addresses. ○ Dualstack Includes IPv4 and IPv6 addresses. O Dualstack without public IPv4 Includes a public IPv6 address, and private IPv4 and IPv6 addresses. Compatible with internet-facing load balancers only.