LAB 1: APPLICATION LOAD BALANCER

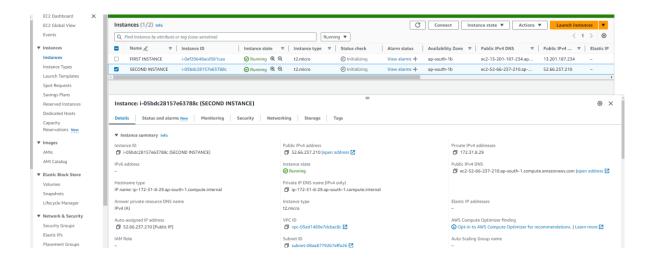
AIM: To launch an application load balancer.

THEORY:

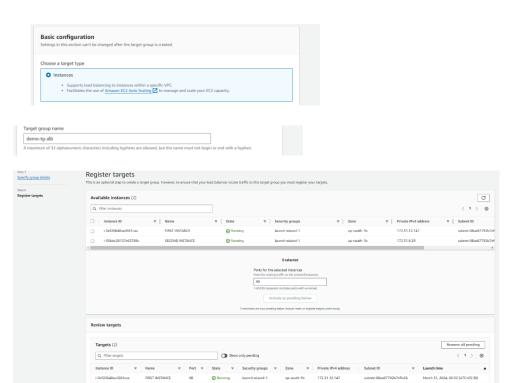
- → An Application Load Balancer functions at the application layer, the seventh layer of the Open Systems Interconnection (OSI) model.
- → After the load balancer receives a request, it evaluates the listener rules in priority order to determine which rule to apply, and then selects a target from the target group for the rule action.
- → You can configure listener rules to route requests to different target groups based on the content of the application traffic.
- → Routing is performed independently for each target group, even when a target is registered with multiple target groups.
- → You can configure the routing algorithm used at the target group level.
- → The default routing algorithm is round robin; alternatively, you can specify the least outstanding requests routing algorithm.

PROCEDURE:

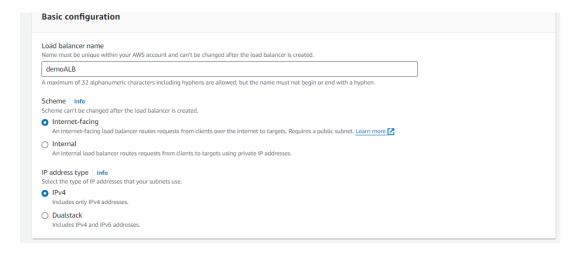
1. Launch two instances.

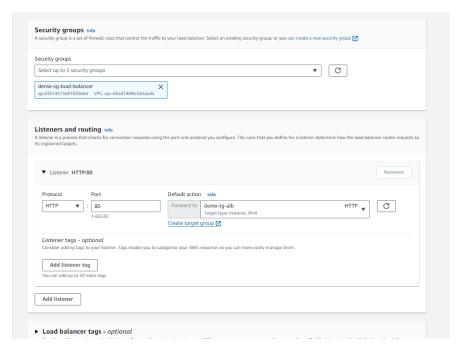


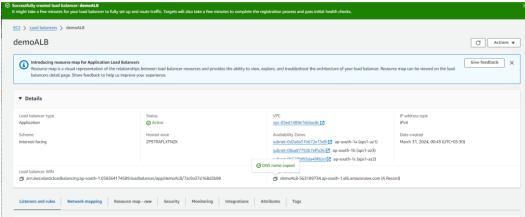
2. Create target groups.



3. Create application load balancer







4. Test the load balancer.

Hello World from ip-172-31-12-147.ap-south-1.compute.internal

| Hello World from ip-172-31-8-29.ap-south-1.compute.internal

