Load Balancing

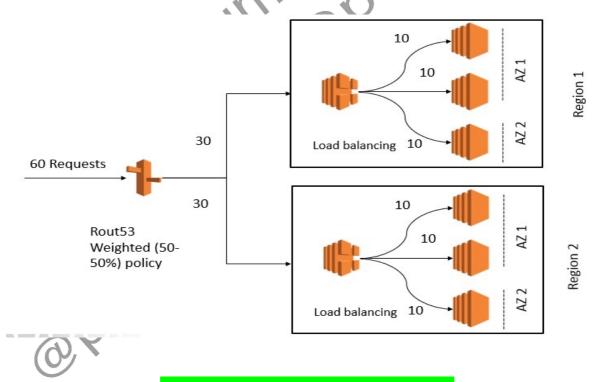
Load balancers are servers that forward internet traffic to multiple server (EC2 Instances) downstream.

Use

- Spread Load across multiple downstream instance
- akum Expose a single point of access (DNS) to your application
- Seamlessly handle failures of downstream instances
- Do regular health checks to your instances
- Provide SSL termination (HTTPS) for your websites
- High availability across zones

Load Balancer allow only One Region

And Multiple region allow Load Balancer below Image



Why use Elastic Load Balancer

- 1. ELB is a managed load balancer
 - AWS guarantees that it will be working
 - AWS take care of upgrades, maintenance, high Availability
 - AWS provide only a few configuration knobs
- 2. It costs less to setup your own load balancer BUT it will a lot more effort on your end (Maintenance, integrations)

3 Type Load Balancer is below

3 Type Load Balancer

1. Application Load Balancer (HTTP /HTTPS only - 7 Layer

2. Network Load Balancer (Ultra-high Performance, Allow for

3. Classic Load Balancer(Slowly and Older also retiring) Layer 4 & 7

De Load Balancer(Slowly and Older also retiring) Le

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