AWS Architecture Training ELB

Elastic Load Balancing

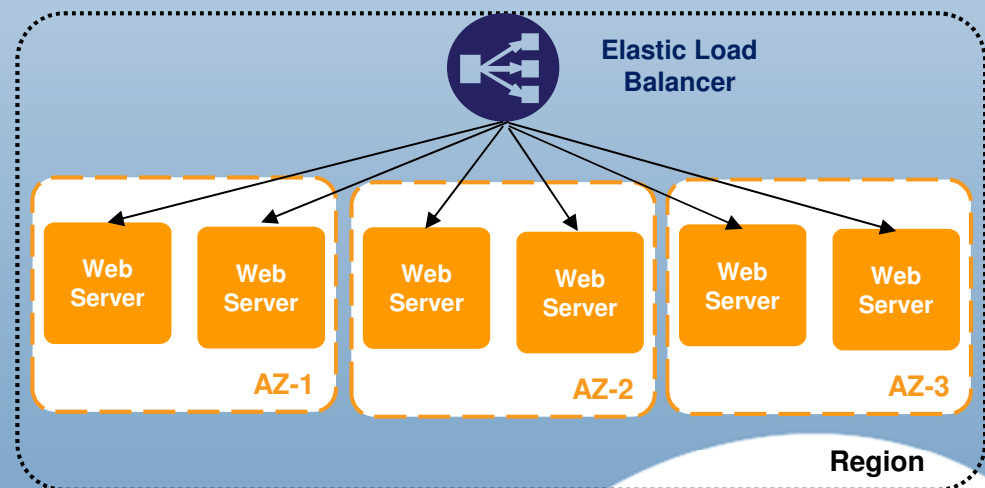Module 3

Elastic Load Balancing

- In-Region Load Balancing Service

- Distributes traffic across multiple Availability Zones
  - HTTP/S, TCP/S

- Built-in Health Check

- Fully fault-tolerant
  - Can span multiple AZs

Elastic Load Balancer

Web Server · Web Server · **AZ-1**
Web Server · Web Server · **AZ-2**
Web Server · Web Server · **AZ-3**

Region

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ELB Considerations

- ELB is a service, but runs on EC2

- The IP Addresses will change over time
    - Use CNAME records in DNS or Route 53 "Alias" records
    - Never use an A record

- SSL is supported
    - Client SSL Termination
    - Backend ELB-to-Server mutual SSL

- Sticky sessions

- Best Practices for Evaluating ELB
    - http://aws.amazon.com/articles/1636185810492479

Cost

$0.025/hour (~$18/month)

$0.008/1GB of data processed

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