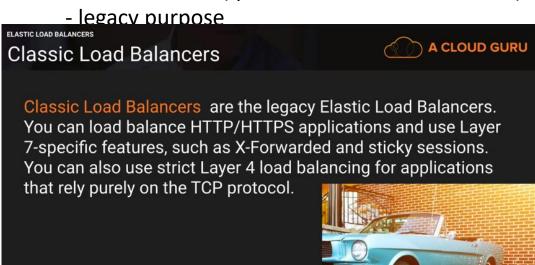
Load balancers?
Elastic load balancers?

With aws Types of load balancers –

- 1. Application load balancers
 - application layer of osi (osi layer 7)
 - routing based decisions / information clever decision
- 1. Network load balancers
 - osi layer 4
 - super fast speed, performance
- 1. Classic load balancers (questions from this will come)



ELASTIC LOAD BALANCER

Application Load Balancers



Application Load Balancers are best suited for load balancing of HTTP and HTTPS traffic. They operate at Layer 7 and are application-aware. They are intelligent, and you can create advanced request routing, sending specified requests to specific web servers.

ELASTIC LOAD BALANCERS

Network Load Balancer



Network Load Balancers are best suited for load balancing of TCP traffic where extreme performance is required. Operating at the connection level (Layer 4), Network Load Balancer are capable of handling millions of requests per second, while maintaining ultra-low latencies.

Use for extreme performance!

ELASTIC LOAD BALANCERS

Load Balancer Errors



Classic Load Balancers - if your application stops responding, the ELB (Classic Load Balancer) responds with a 504 error.

This means that the application is having issues. This could be either at the Web Server layer or at the Database Layer.

Identify where the application is failing, and scale it up or out where possible.

504

- Gate way time out error
- Need to check the application / database layer or service
- Scale up or down accordingly
- Gateway time out error

A CLOUD GURL

EC2 instance
Sees only private IP
How to get public ip4 ip
address? - look in Xforwarded-For header



15 >

124.12.3.231

Public IP

10.0.0.23

Private IP

10.0.0.23

X-Forwarded-For

124.12.3.231

ELASTIC LOAD BALANCERS

ELB Exam Tips



- 3 Types of Load Balancers;
- Application Load Balancers
- Network Load Balancers
- Classic Load Balancers
- 504 Error means the gateway has timed out. This means that the application not responding within the idle timeout period.
 - Trouble shoot the application. Is it the Web Server or Database Server?
- If you need the IPv4 address of your end user, look for the X-Forwarded-For header.