# Route 53:

* Functions
  + Domain Name Registration
  + DNS routing
  + Health Checking
* Hosted Zone
* Records
* Policies (TTL)
  + Simple routing policy  (1 Record + Multiple IP)
  + Multivalue answer routing policy (Simple RP + HealthCheck)
  + Weighted routing policy (Health Check + 20%)
  + Latency routing policy (HC)
  + Failover routing policy (Active-passive+HC)
  + Geolocation routing policy (HC)
  + Geoproximity routing policy (Traffic Policies)

# ELB

* Types:
  + Application LB :Intelligent Routing
  + N/W LB : High performance
  + Classic ( Layer 7 + 4) : Cost down
* 504 Error & X-forwarded-for
* Cross-Zone LB & Connection-draining
* Response Timeout + Interval + Unhealthy threshold + Healthy threshold
* Subnets per Availability Zone per load balancer: 1
* Rules
  + Forward
  + Redirect
  + Fixed response
  + Authentication
* <https://aws.amazon.com/elasticloadbalancing/features/#compare>
* Custom security policies can only define in classic LB
* ALB supports Lambda functions as targets
* With SNI support you can associate multiple certificates with a listener and each secure application behind a load balancer can use its own certificate.