

Route 53

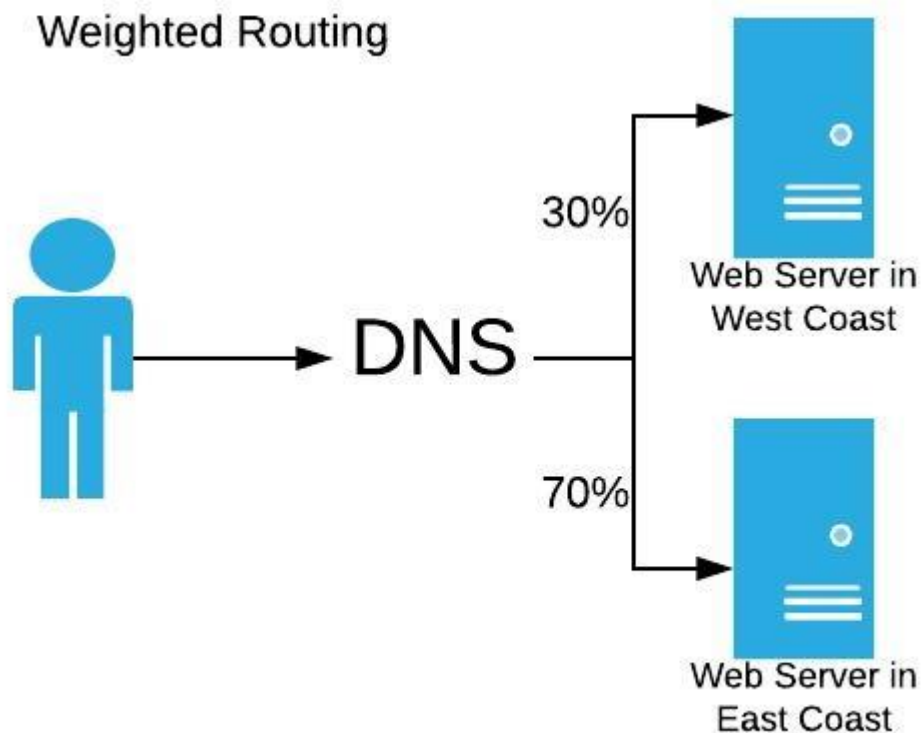
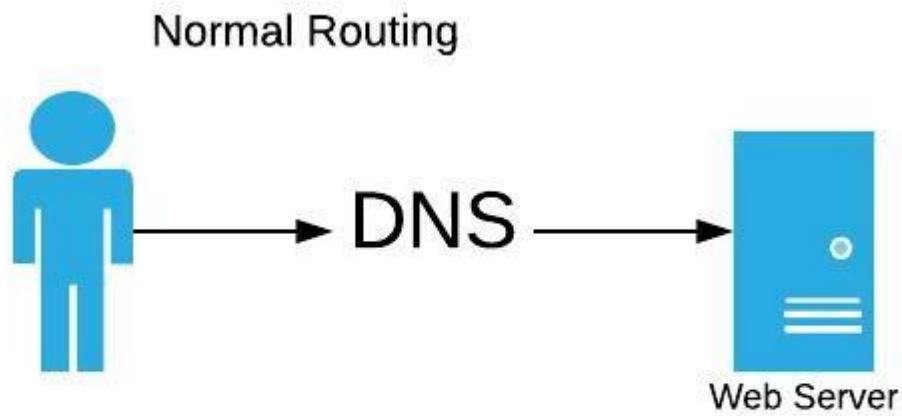
AWS Route53 what it can do and the different types of setups.

Route 53 is a highly available and scalable cloud Domain Name System (DNS) web service. It is designed to give developers and businesses an extremely reliable and cost effective way to route end users to Internet applications by translating names like www.example.com into the numeric IP addresses like 192.0.2.1 that computers use to connect to each other. Amazon Route 53 is fully compliant with IPv6 as well.

Different Types of DNS Routing

1. Simple Routing
2. Weighted Routing
3. Latency Routing
4. Fail over Routing
5. Geolocation Based Routing

Simple Routing - Most commonly used when you have a single resource that performs a given function for your domain. A webserver that serves content for xyz.com domain



Weighted Routing: Primarily used for A/B testing. This is where traffic can be split on the different weights assigned.

Latency Routing Policy: Allows you to route your traffic based on the lowest network. Latency for your end user.

Geolocation Routing Policy: Use when we want to route traffic based on the location of our users.

Geoproximity Based Routing: Used when you want to route traffic based on the location of your resources and optionally shift traffic from resources in one location to resources in another

