**Route 53:**

Create a hosted zone with either a public hosted zone or a private hosted zone.

Public hosted zone-for routing internet traffic to the resources for a specific domain and its subdomains.

Private hosted zone-for a specific domain and its sub-domains.

Private hosted zone-for routing traffic within a VPC.

**Different routing policies in route 53: We have mainly 5 types of routing policies. They are:**

1. Simple policy.

2. Latency based policy.

3. Weighted policy.

4. Geolocation policy.

5. Failover policy

**1. Simple routing policy**: Use for a single resource that performs a given function for your domain, for example, an Amazon EC2 instance serves content for the example.com website.

**2. Weighted**: This allows you to assign weights to resource record sets. For instance, you can specify 25 for one resource and 75 for another meaning that 25% of requests will go the first resource and 75% will be routed to the second.

3. **Latency based routing**: Use when you have resources in multiple AWS regions and you want to route end users to the AWS region that provides the lowest latency.

**4.Failover:** Use when you want to configure active-passive failover. More info in our blog

Post: Amazon Route 53: Health checks and DNS failover.

**5. Geolocation**: This lets you balance the load on your resources by directing requests to specific endpoints based on the geographic location from which the request originates.