Amazon Web Services

Route 53 Policy

ankitnarula1991@gmail.com

Route 53 - Simple Routing Policy

- Click on Hosted Zones

- Click on Domain name

- Click on create record

- Enter Record Name as www

- Click on Alias

- Select application Load Balancer

- Select Mumbai region & Load Balancer

- Routing Policy as simple routing

- Click on create records

Route 53 - Weighted Policy

- Click on Create Record

- Enter route name

- Click on Aliases

- Select Application load balancer

- Select Mumbai Region & Select the load balancer

- Select routing policy as weighted

- Enter the weight we need to give to Mumbai server

- Check the evaluate target health

- Enter the record id

Route 53 - Weighted Policy

- Click on Add another record

- Enter route name & Check alias

- Select application load balancer, Select region & then load balancer

- Select routing policy as weighted

- Enter the weight we need to give to Sydney server

- Check the evaluate target health

- Enter the record id

- Click on create records

Route 53 - Latency Routing Policy

- Enter the route name

- Click on Alias

- Select application load balancer

- Select Mumbai region

- Select load balancer

- Select route policy to Latency

- Select Mumbai Region

- Uncheck evaluate target health

- Enter record ID

- Click on Add another record

Route 53 - Latency Routing Policy

- Enter the route name

- Click on Alias

- Select application load balancer

- Select Sydney region

- Select load balancer

- Select route policy to Latency

- Select Sydney Region

- Uncheck evaluate target health

- Enter record ID

- Click on Create Record

Route 53 - Failover Policy

- For Failover policy Health check is mandatory.

- Click on Health check

- Click on create health check

- Enter the name

- Select specify endpoint by domain name

- Protocol as HTTP

Route 53 - Failover Policy

- In domain name we need to enter the DNS name of the Mumbai load balancer

- Port number 80

- Path /index.html

- Click on Advanced configuration

- Select request interval as Fast (10 Seconds)

- Failure threshold as 1

- Click on Next

- Click on Create Health check

Route 53 - Failover Policy

- Click on Hosted Zone

- Click on Create record

- Enter the route name

- Click on Alias

- Select application load balancer

- Select Mumbai region

- Select load balancer

- Select route policy to Failover

- Select Failover record type as Primary

Route 53 - Failover Policy

- Select health check

- Enter Record ID

- Click on Add another record

- Same way we need to create the record for Sydney region

- Select failover record type as secondary

- Enter record ID

- Click on Evaluate target health

Route 53 - Failover Policy

- Click on Create record

- Now check the Domain

- Stop both the Mumbai Instances

- Check health check

- Check the Domain after few minutes

Route 53 - Geolocation Policy

- Click on Create record

- Enter the route name

- Click on Alias

- Select application load balancer

- Select Mumbai region

- Select load balancer

- Select route policy to Geolocation

Route 53 - Geolocation Policy

- Click on Evaluate target health

- Select location as India

- Enter Record ID

- Click on Add Another Record

- Same way we need to create the record for Sydney region

- Select location as United States

- Enter record ID

- Click on create records

- Now Try to Access the Website

Route 53 - Geolocation Policy (Default)

- Enter the record Name

- Enter the route name

- Click on Alias

- Select application load balancer

- Select Sydney region

- Select load balancer

- Select route policy to Geolocation

Route 53 - Geolocation Policy (Default)

- Click on Evaluate target health

- Select location as Default

- Enter Record ID

- Click on Create record

- Now check our Domain

Route 53 - Multivalue Policy

- Create Health check for both the regions

- Click on Create Health check

- Enter the name of the health check

- Enter the IP Address of the Mumbai region machine (First Machine)

- Click on next

- Click on create health check

- Create the health check for another region

Route 53 - Multivalue Policy

- Click on Hosted zones

- Click on the domain name

- Click on create record

- Enter the record name as www

- Enter the Mumbai first machine public IP address in the value

- Enter the TTL as 1M

Route 53 - Multivalue Policy

- Select routing policy as Multivalue Answer

- Select the health check

- Enter the record ID

- Click on create records

- **Create record for Sydney region**

- Click on create record

Route 53 - Multivalue Policy

- Enter the record name as www

- Enter the Sydney machine public IP address in the value

- Select TTL as 1M

- Select Routing Policy as Multivalue answer

- Select the Health check

- Enter the Record ID

Route 53 - Multivalue Policy

- Click on create records

- Now check the domain name in the multiple systems

ankitnarula1991@gmail.com