Experiment: 9

Title : Configure Failover Routing with Amazon Route 53

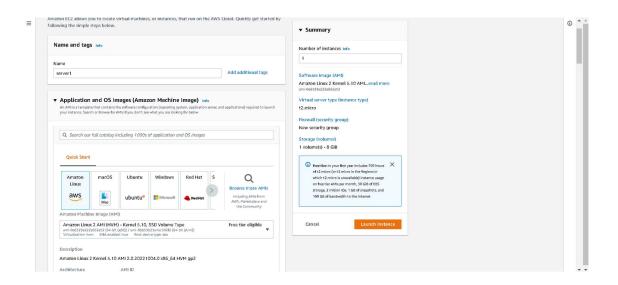
Aim: Configure DNS failover routing policy for Webservers across AWS Regions.

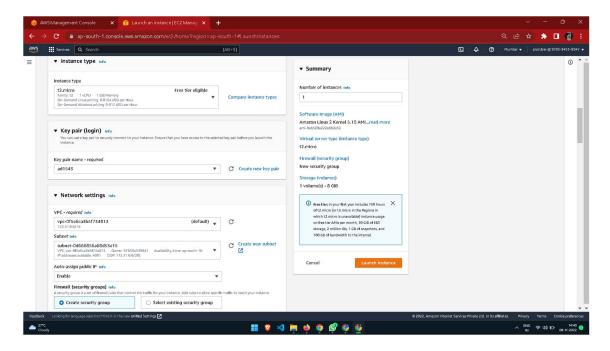
Pre-requisites: AWS Console, Amazon Route 53, Amazon EC2.

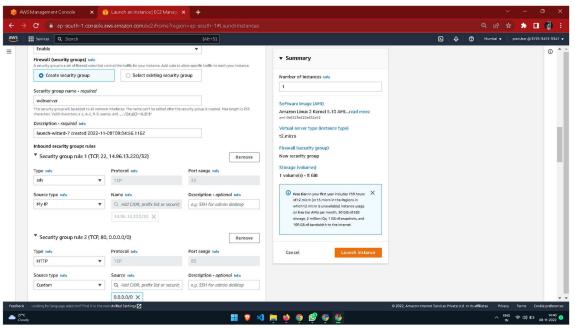
Procedure:

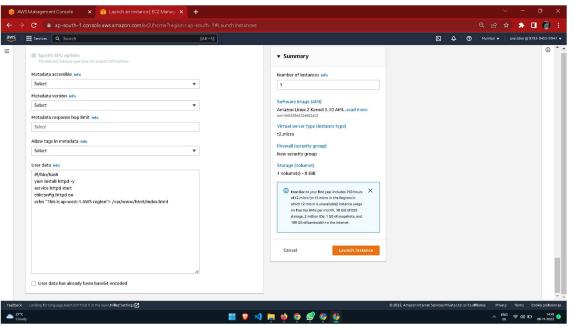
Steps:

1. Create a Public webserver in region 1.

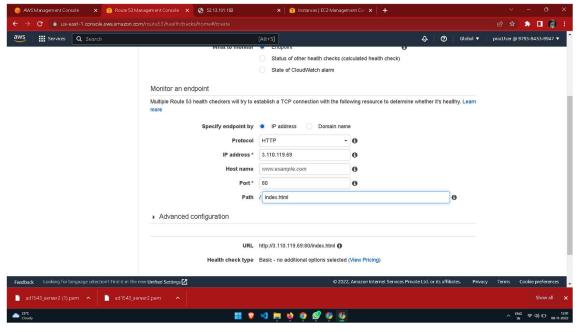


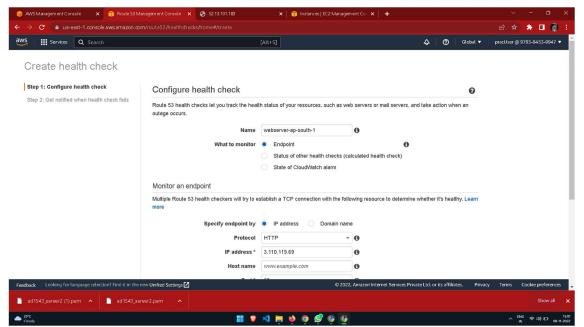




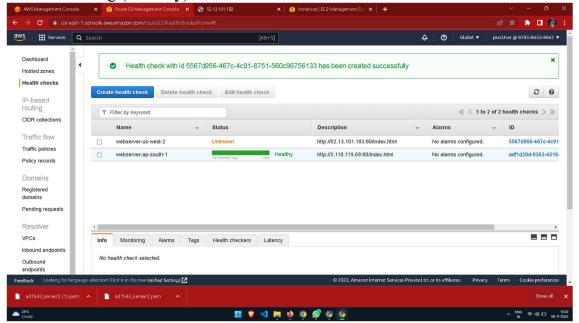


- 2. Create a public webserver in region 2.
- 3. Create a Route53 public hosted zone (e.g. Yourdomain.com).
- 4. Create 2 health checks for both the webservers.

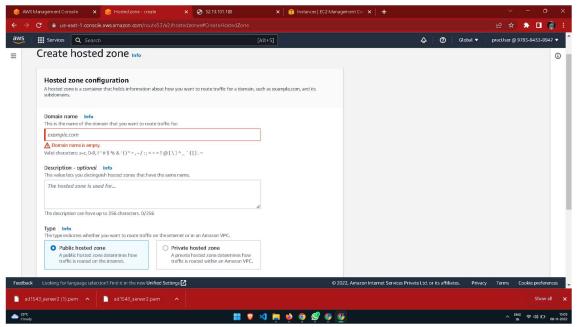




5. Create a subdomain A record test.yourdomain.com and configure it as failover routing (Primary).



6. Create another same subdomain A record test.yourdomain.com and configure it as failover routing (secondary).



- 7. Test the connection by hitting http://test.yourdomain.com.
- 8. Login to primary webserver in region 1 and stop httpd service.
- 9. Wait for TTL to expire and see If you get redirected to another web server in region 2.

Result:

Hence, we have successfully configure DNS failover routing policy for Webservers across AWS Regions.