

# Experiment : 9

## Title : Configure Failover Routing with Amazon Route 53

Date: 09/11/2022

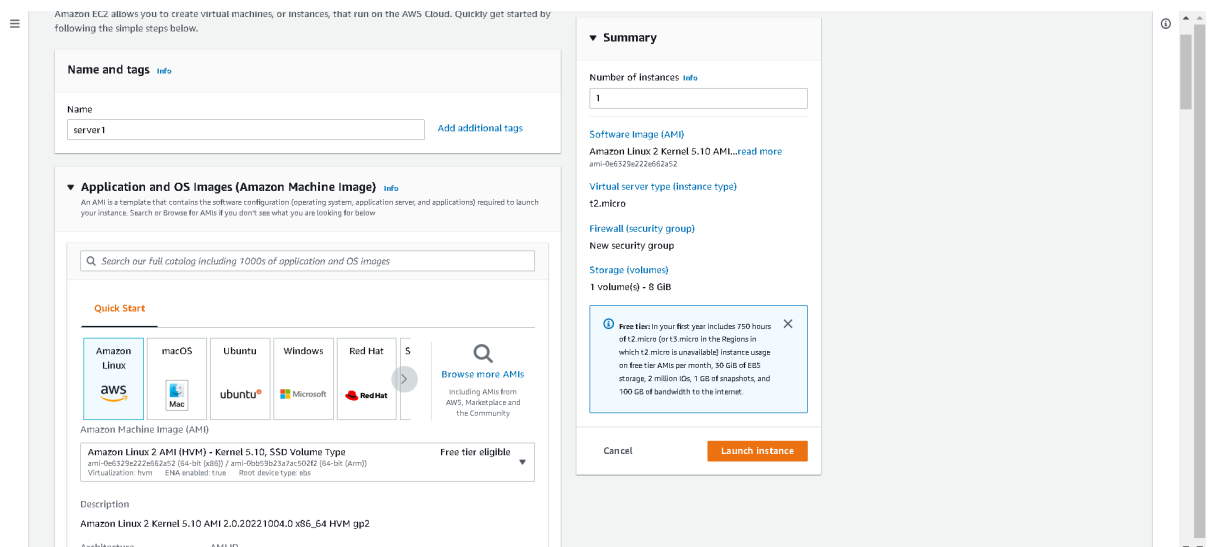
**Aim :** Configure DNS failover routing policy for Webservers across AWS Regions.

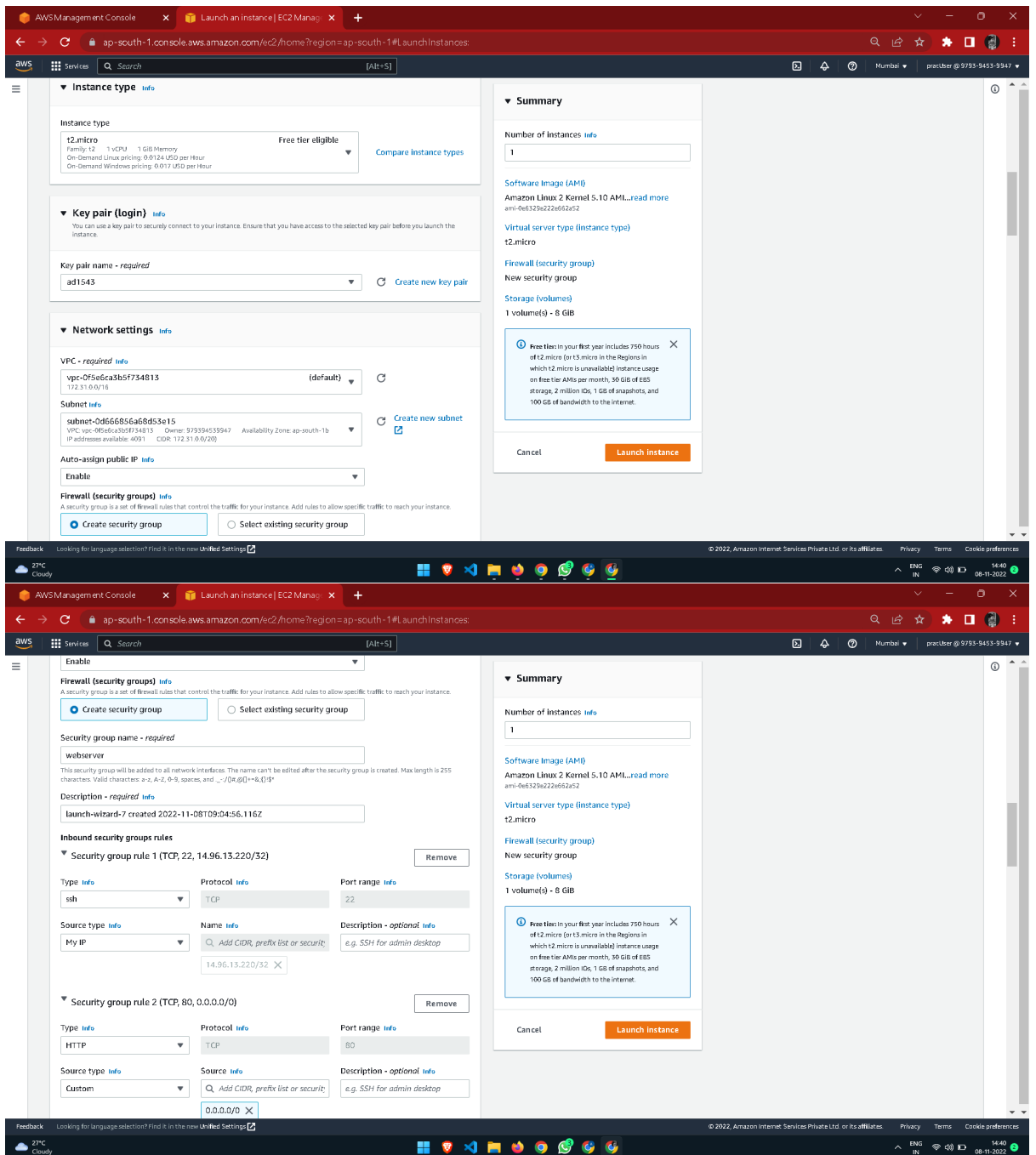
**Pre-requisites :** AWS Console, Amazon Route 53, Amazon EC2.

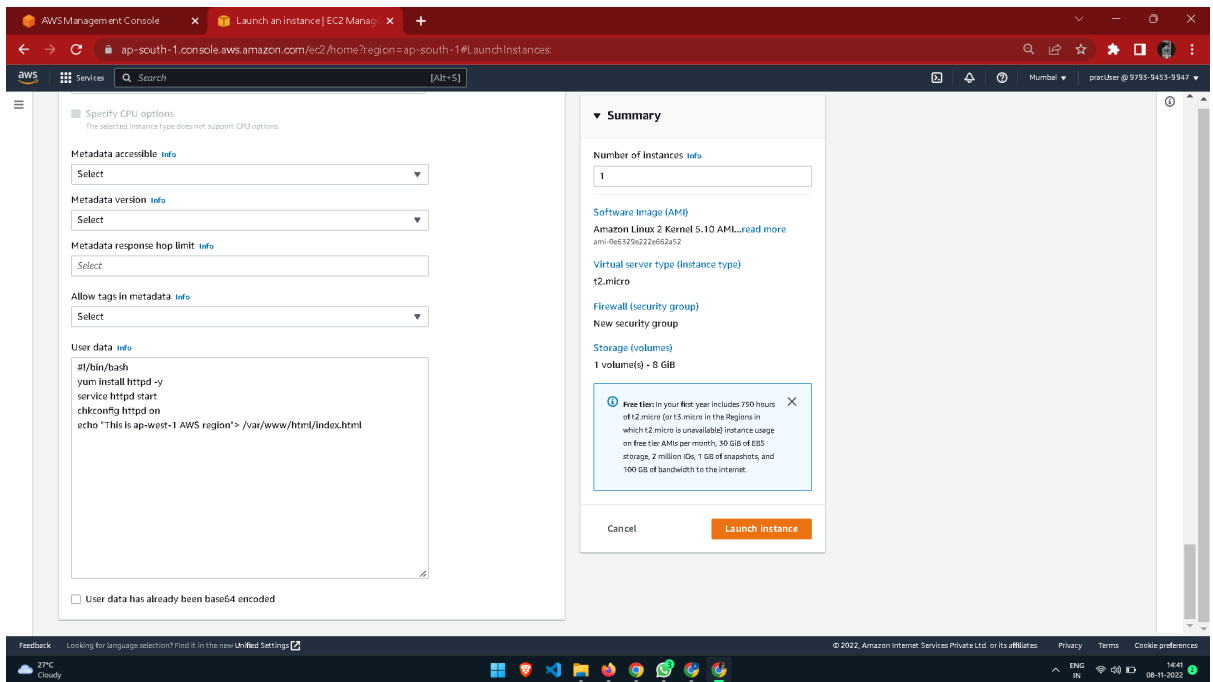
## Procedure :

Steps:

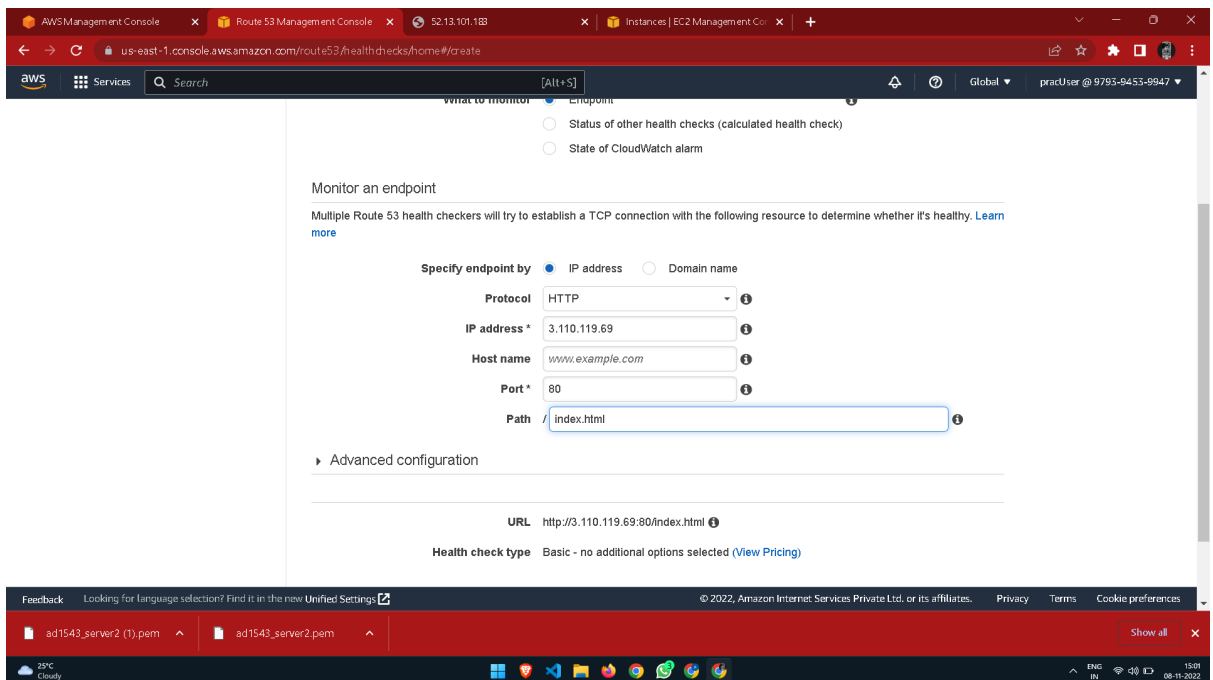
1. Create a Public webserver in region 1.

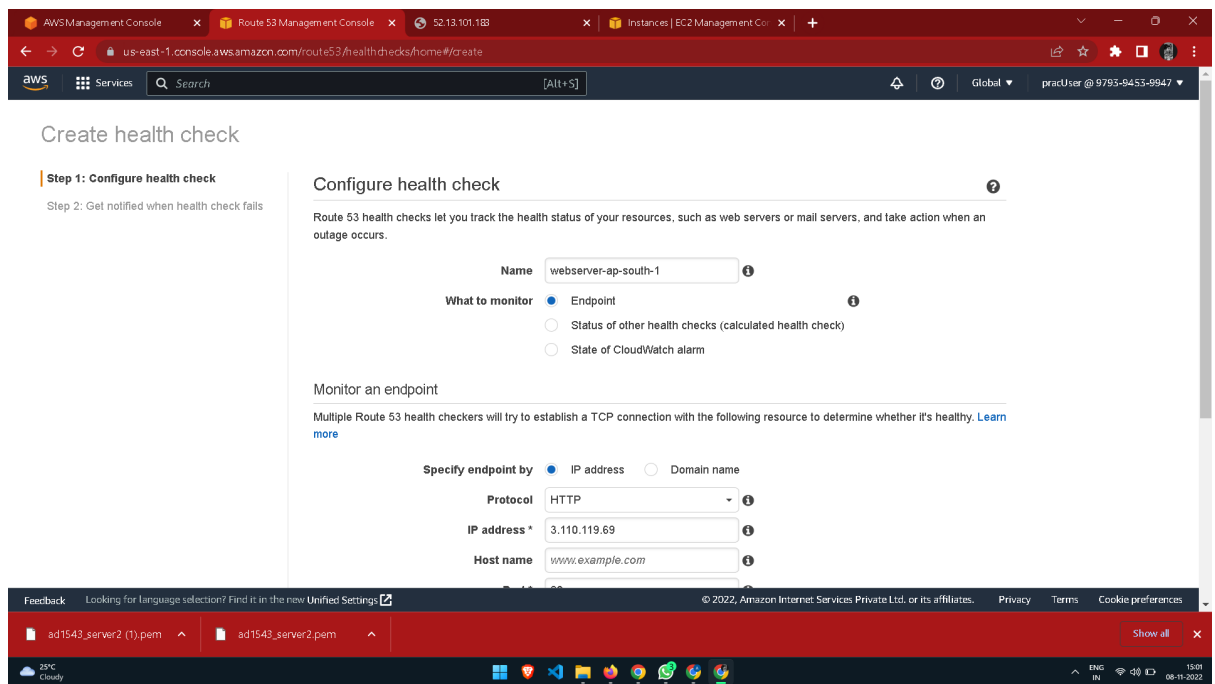




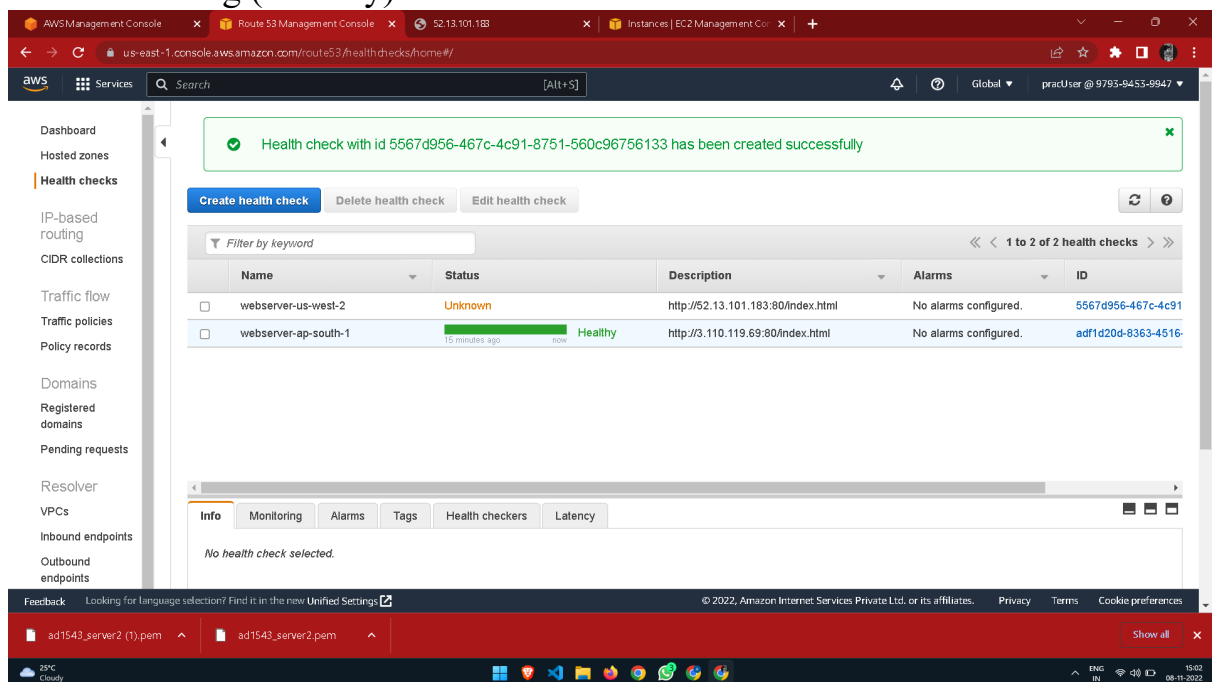


2. Create a public webserver in region 2.
3. Create a Route53 public hosted zone (e.g: Yourdomain.com).
4. Create 2 health checks for both the webserver.

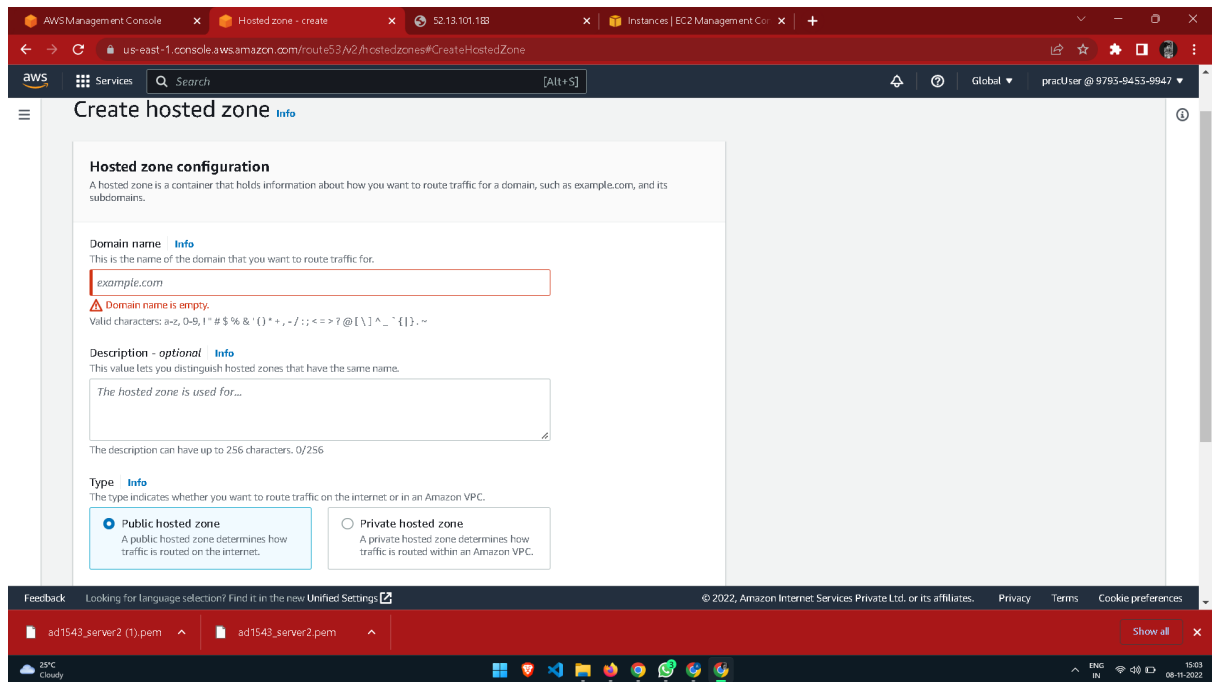




5. Create a subdomain A record test.yourdomain.com and configure it as failover routing (Primary).



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.