## Experiment #9

Name: Aarhee Phukan

**Reg.No:** RA2011028010092

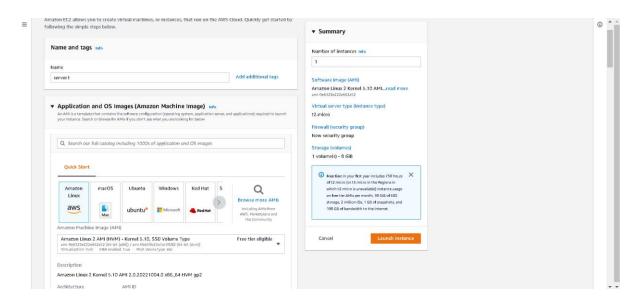
Aim: Configure DNS failover routing policy for Webservers across AWS

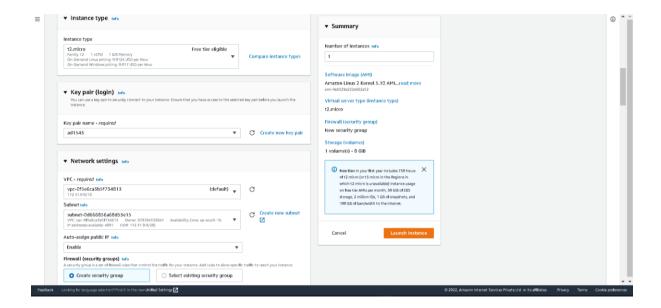
Regions.

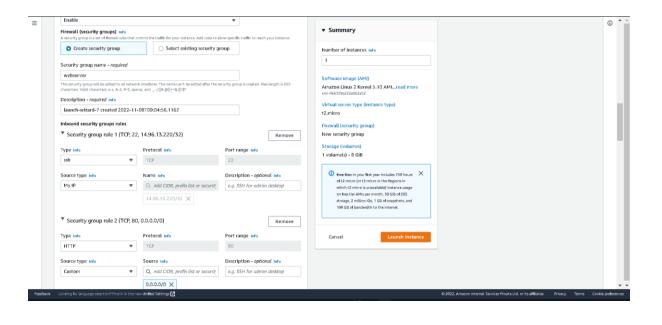
## **Procedure:**

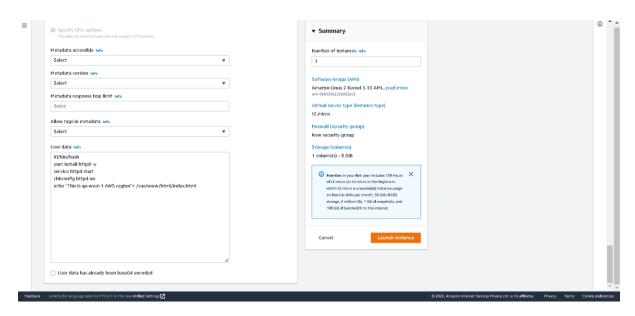
## Steps:

1. Create a Public webserver in region 1.





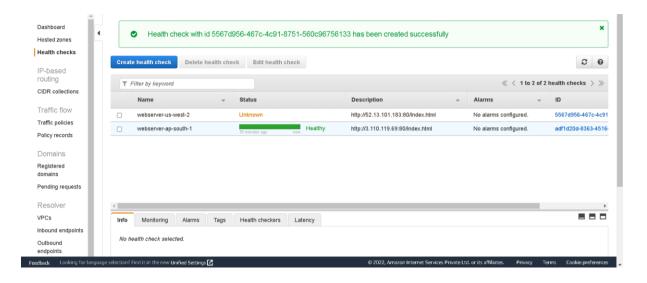




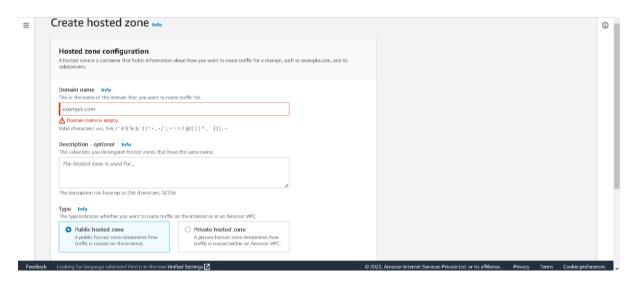
- 2. Create a public webserver in region 2.
- 3. Create a Route53 public hosted zone (e.g. Yourdomain.com).
- 4. Create 2 health checks for both the webservers.

	venar to monitor			
	vital to monitor	Status of other health checks (c	ralculated health check)	
		State of CloudWatch alarm	acculated fleatiff check)	
		<u> </u>		
	Monitor an endpoint			
	Multiple Route 53 health checkers will try to establish a TCP connection with the following resource to determine whether it's healthy. Learn more			
	Specify endpoint by   IP address  Domain name			
	Protocol		• •	
	IP address *	3.110.119.69	0	
	Host name	vwww.example.com	0	
	Port *	80	0	
	Path	/ index.html		€
▶ Advanced configuration				
	URL http://3.110.119.69:80/index.html			
	Health check type Basic - no additional options selected (View Pricing)			
Feedback Looking for language selection? Find it in the r	new Unified Settings 🗹	© 202	2, Amazon Internet Services Private Ltd. or its a	ffiliates. Privacy Terms Cookie preferences 💂
Create health check				
Step 1: Configure health check	Configure health check			
Step 2: Get notified when health check falls	Route 53 health checks let you track the health status of your resources, such as web servers or mail servers, and take action when an			
	outage occurs.			
	Name	webserver-ap-south-1	0	
	What to monitor	<ul><li>Endpoint</li></ul>	0	
		Status of other health checks (c	calculated health check)	
	State of CloudWatch alarm			
	Monitor an endpoint			
Multiple Route 53 health checkers will try to establish a TCP connection with the following resource to determine whether it's healthy. Learn				ealthy. Learn
	more			
	Specify endpoint by	IP address	me	
	Protocol	нттр	• 0	
	IP address *	3.110.119.69	0	
	IP address * Host name	3.110.119.69 <i>ywww.example.com</i>	0	

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.