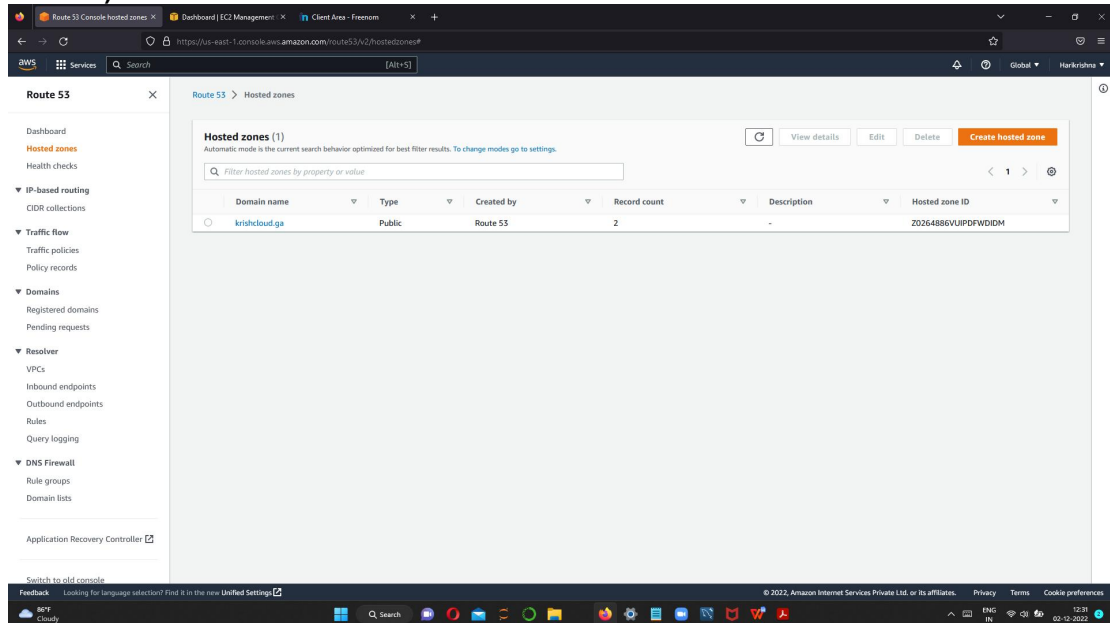
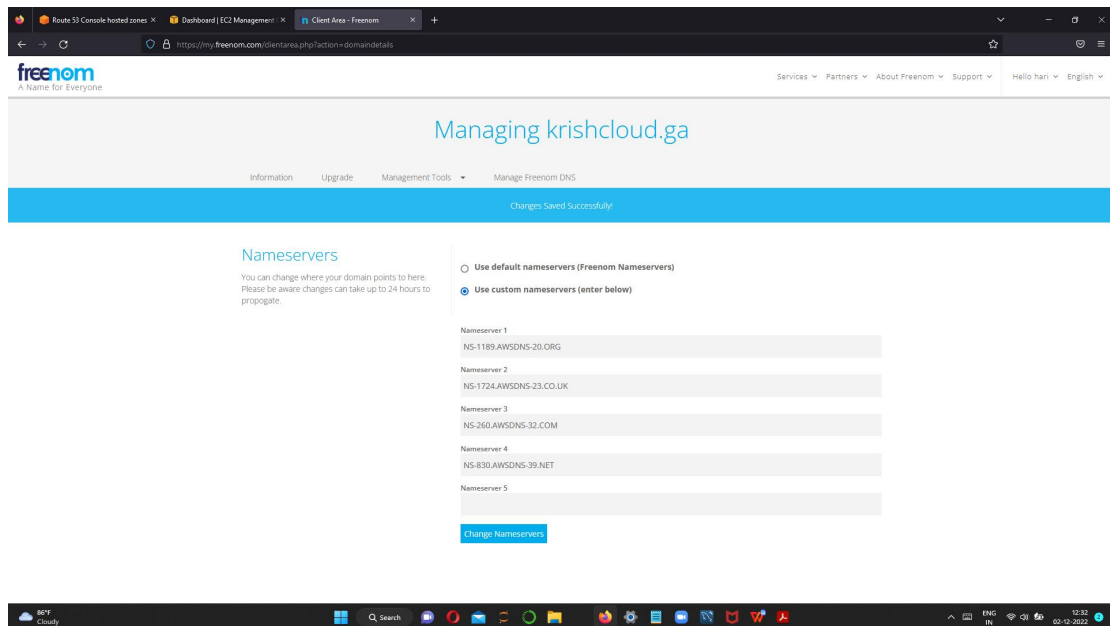


# FAILOVER ROUTING POLICY

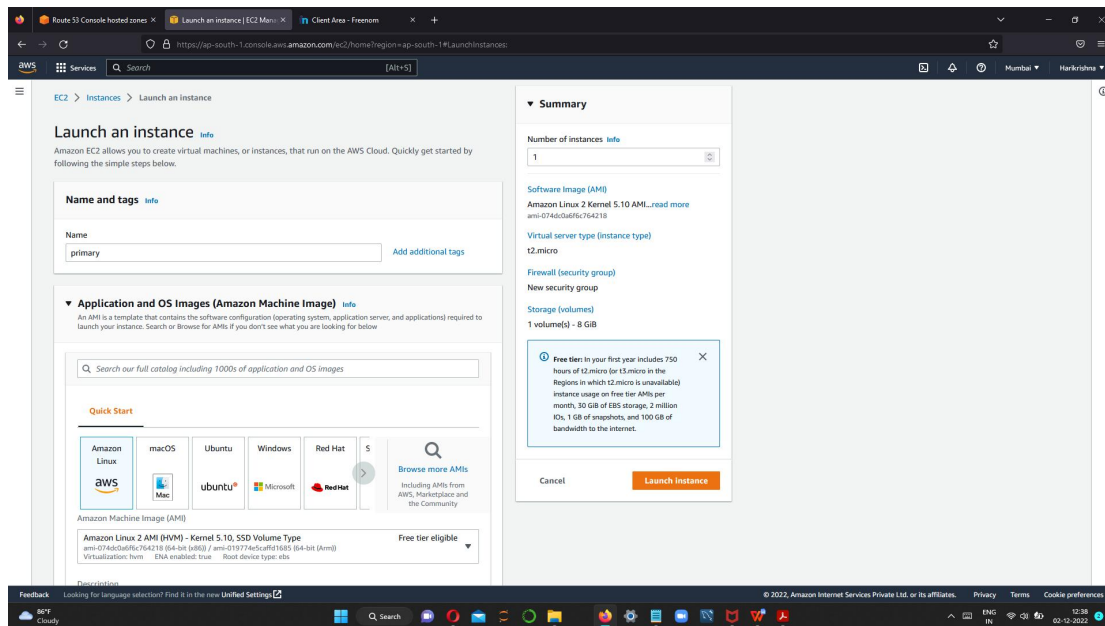
## STEP 1) CREATE HOSTED ZONE



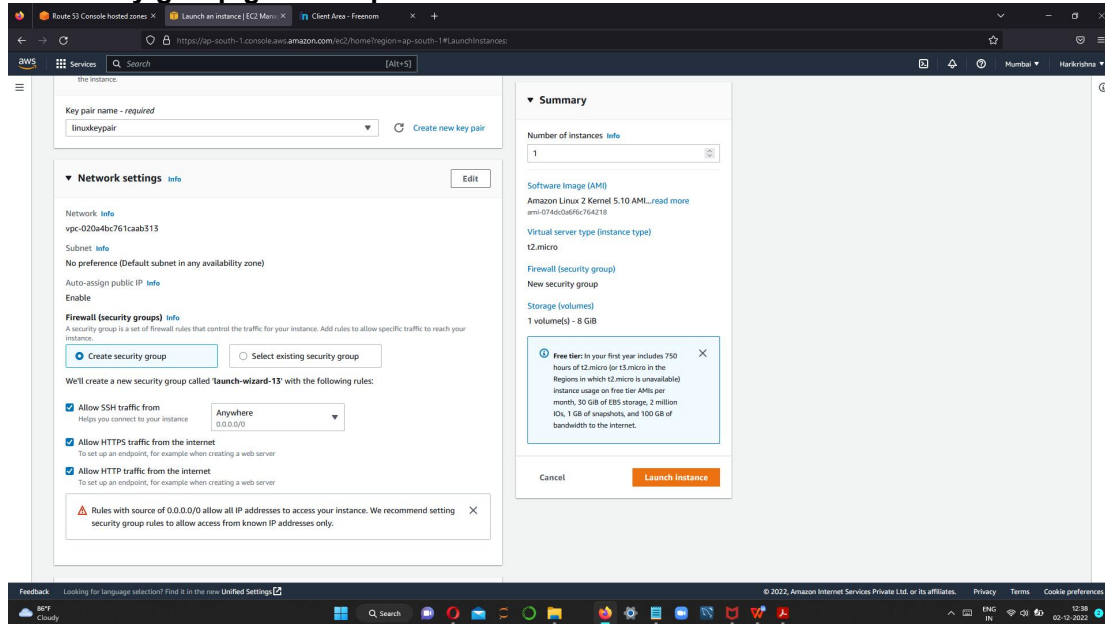
## STEP 2 COPY THE NAME SERVERS AND PASTE IT IN DOMAIN PURCHASER WEBSITE i.e freenom

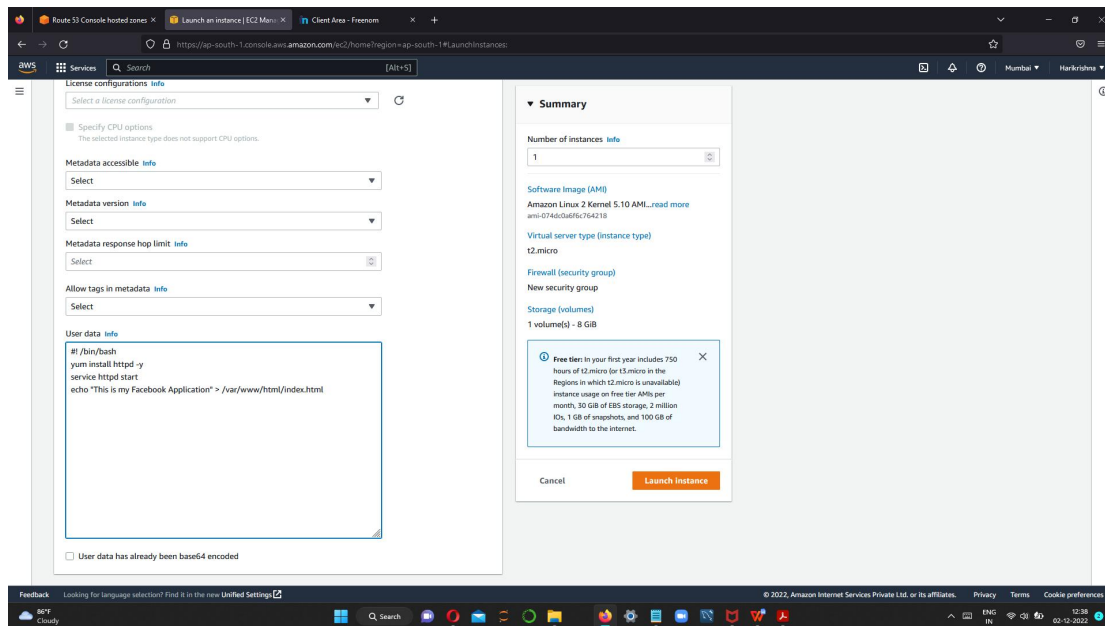


## Step 3 create two instance one in london and second one in singapore



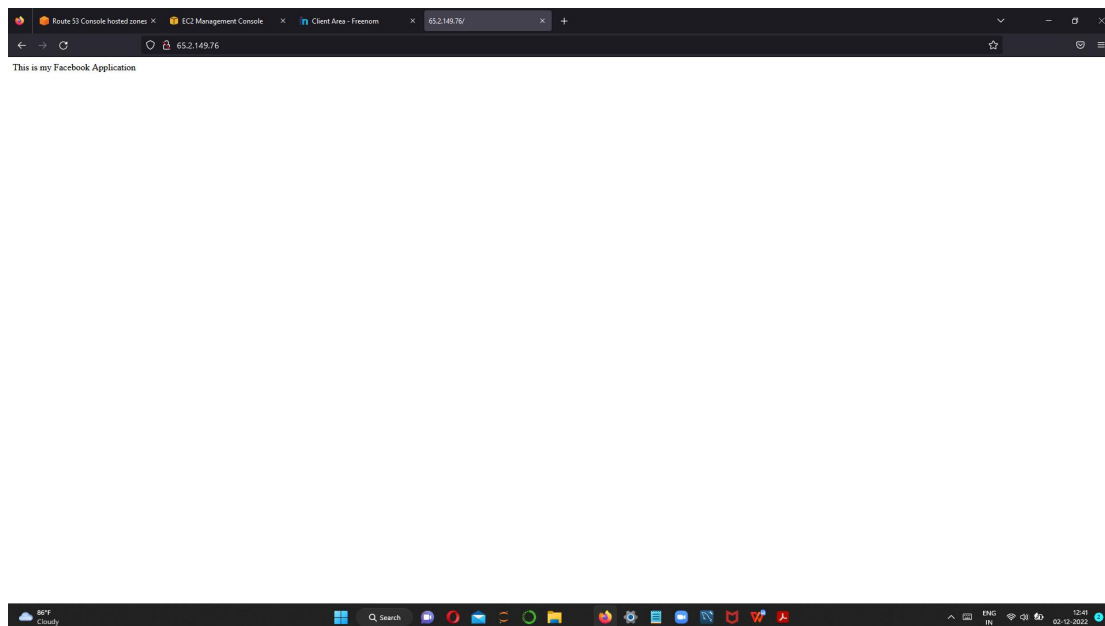
## In security group give all tcp

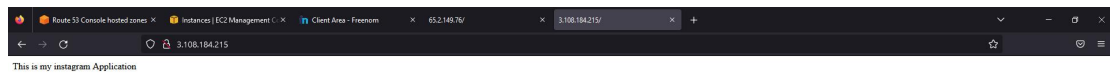




**Same procedure to create secondary instance.**

**Step 4 after creating the instances , hit the public ip in the browser.**





## Step 5 Create health record for both instance.

**Step 1: Configure health check**

Step 2: Get notified when health check fails

### Configure health check

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: london

What to monitor: ☒ Endpoint   
 ☐ Status of other health checks (calculated health check)   
 ☐ State of CloudWatch alarm

Monitor an endpoint

Multiple Route 53 health checks 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: HTTP

IP address: 65.2.149.76

Host name: www.example.com

Port: 80

Path: /images

Advanced configuration

URL: http://65.2.149.76:80/

Health check type: Basic - no additional options selected (View Pricing)

\* Required Cancel Next

Feedback Looking for language selection? Find it in the new Unified Settings.

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Health check with id 7e85bee0-d04e-4378-b356-a0ae62ce6280 has been created successfully

Create health check Delete health check Edit health check

Filter by keyword

Name	Status	Description	Alarms	ID
singapore	Unknown	http://3.108.184.215/80/	No alarms configured	7e85bee0-d04e-4378-b356-a0ae62ce6280
london	Unknown	http://65.2.140.76/80/	No alarms configured	f16421bf-697b-4a58-8a76-8c72d9d7803

Info Monitoring Alarms Tags Health checkers Latency

No health check selected.

No health check selected.

## Step 6 create record for both the instance

Route 53 > Hosted zones > krishcloud.ga > Create record

Step 1 Choose routing policy

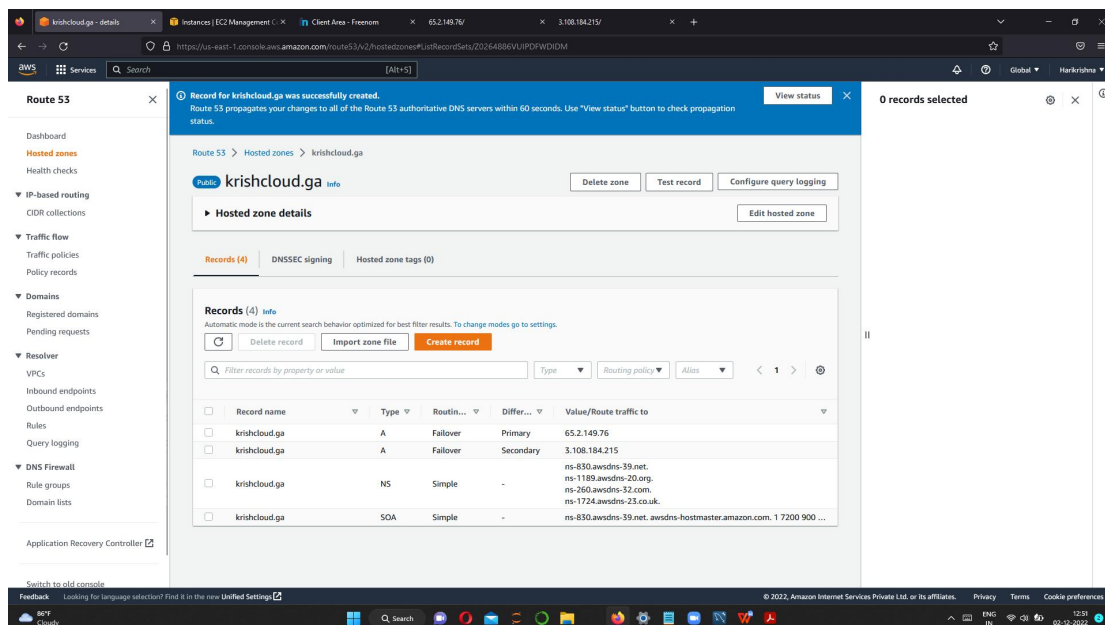
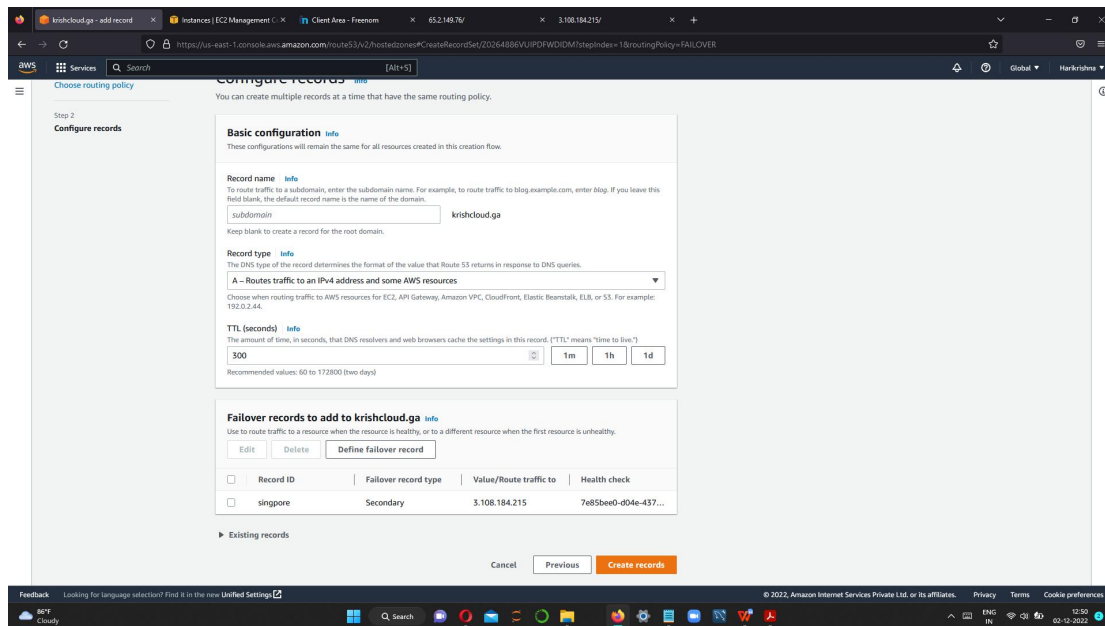
Step 2 Configure records

### Choose routing policy

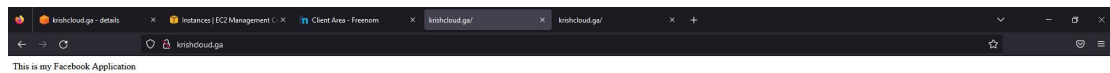
The routing policy determines how Amazon Route 53 responds to queries.

Routing policy Switch to quick create

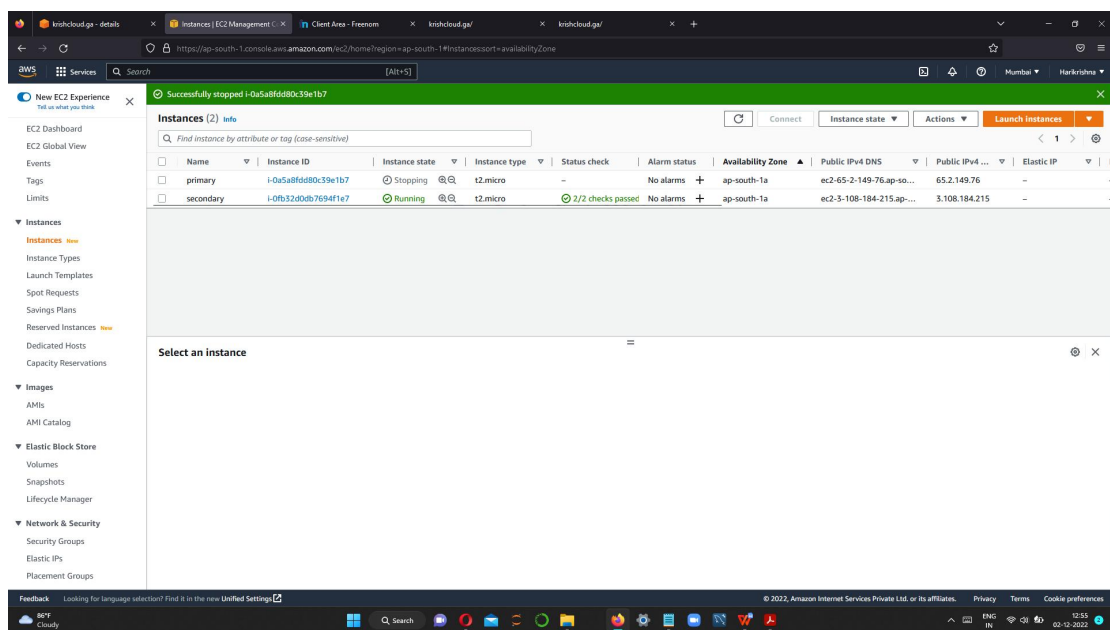
- ☐ Simple routing  
Use if you want all of your clients to receive the same response(s).
- ☐ Weighted  
Use when you have multiple resources that do the same job, and you want to specify the proportion of traffic that goes to each resource. For example: two or more EC2 instances.
- ☐ Geolocation  
Use when you want to route traffic based on the location of your users.
- ☐ Latency  
Use when you have resources in multiple AWS Regions and you want to route traffic to the Region that provides the best latency.
- ☒ Failover  
Use to route traffic to a resource when the resource is healthy, or to a different resource when the first resource is unhealthy.
- ☐ Multivalue answer  
Use when you want Route 53 to respond to DNS queries with up to eight healthy records selected at random.
- ☐ IP-based  
Use to route traffic to locations of IP address ranges in CIDR notation.



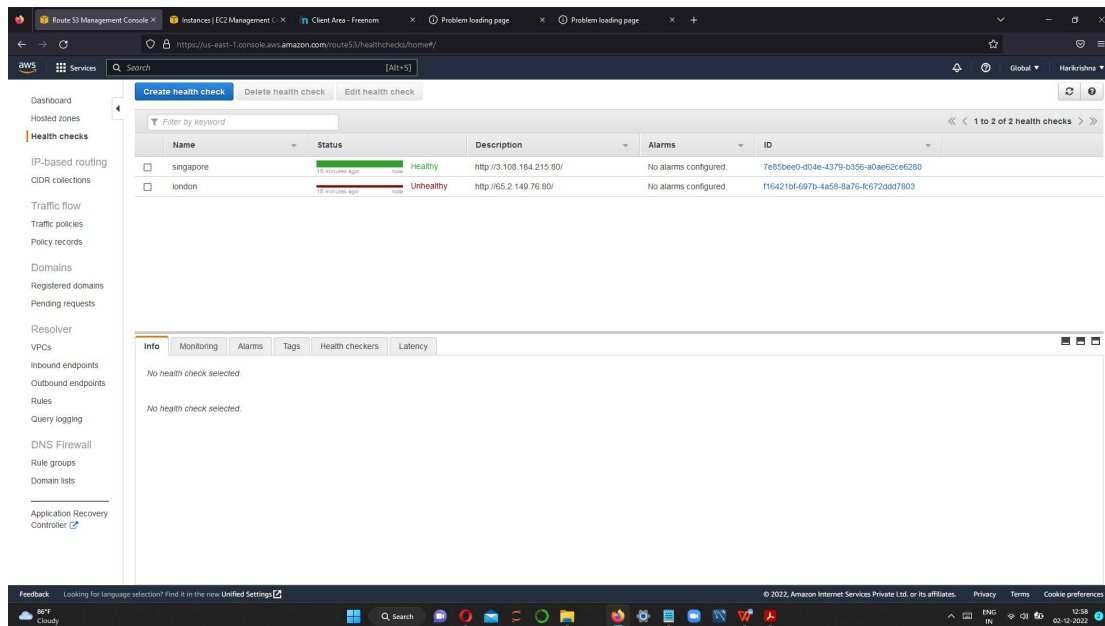
step 7 go to browser and hit the domain name



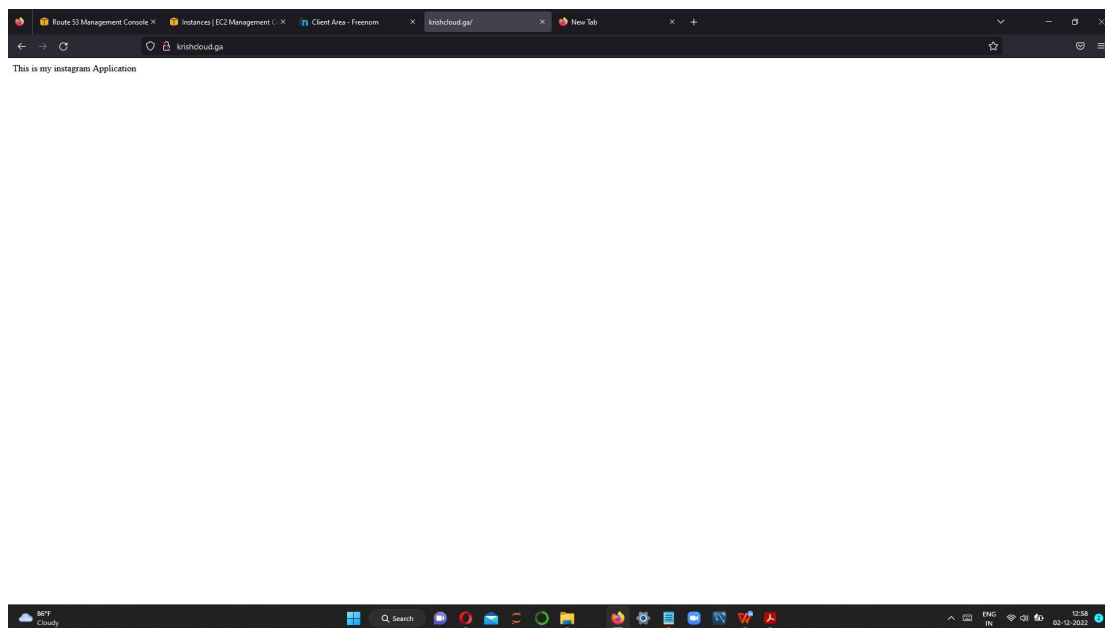
## Now stop the primary server



## Now Health Check is unhealthy



**Now secondary server is running.**



**If primary down then Secondary will become a Primary and respond to remote user – Fail over**