

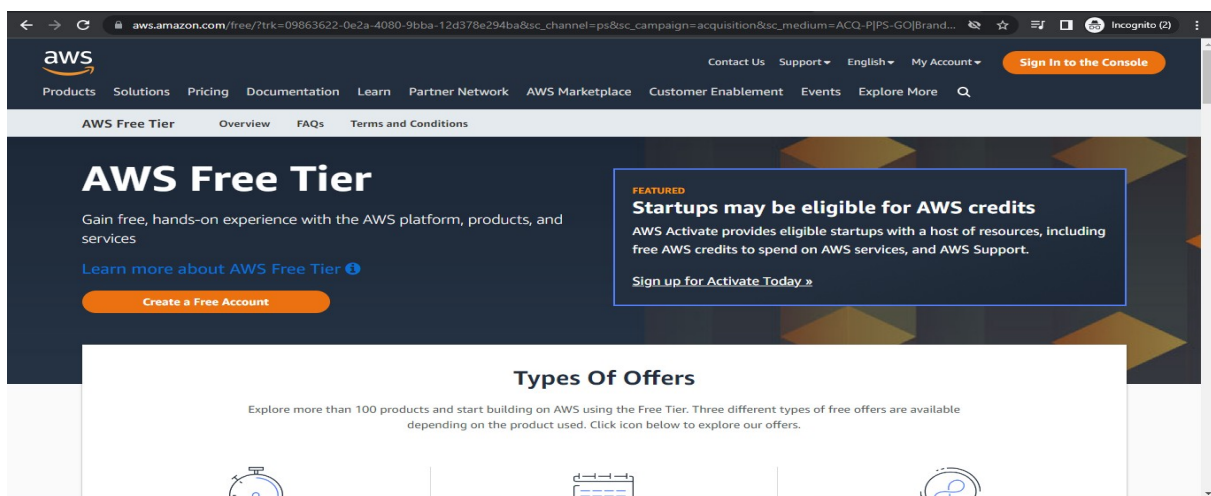
Configure Failover Routing with Amazon Route 53

Name: Dhawal Gupta

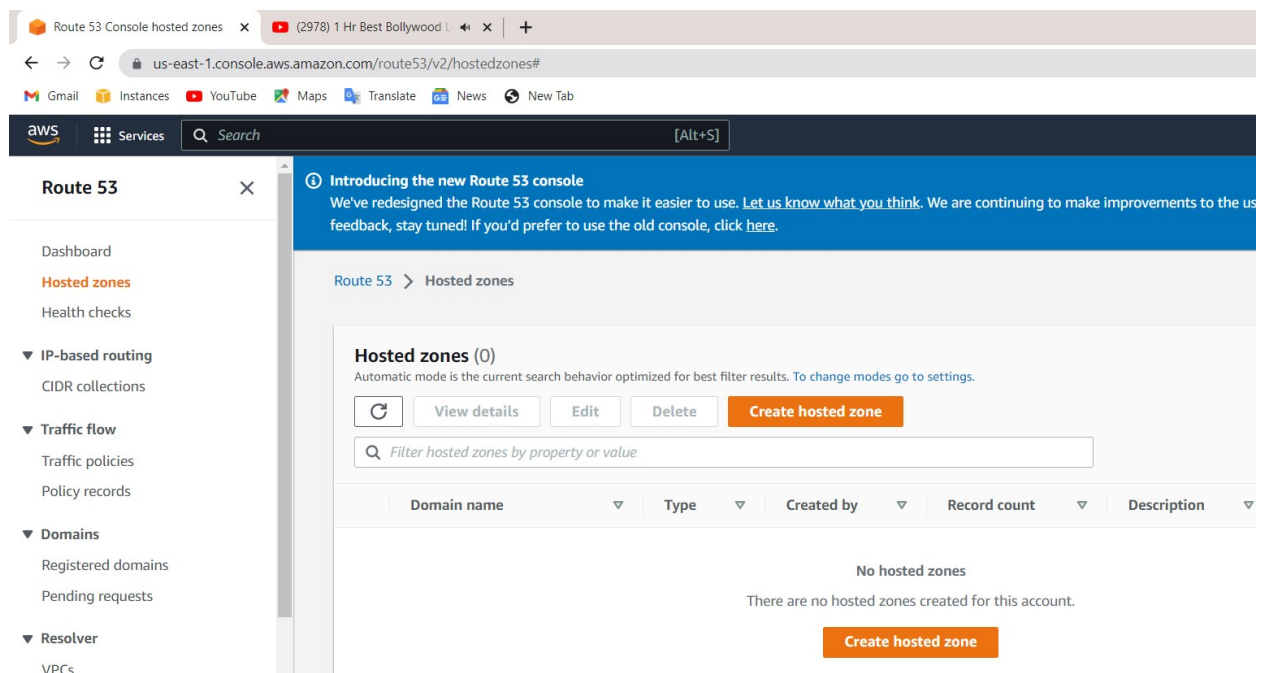
Registration No: RA2011028010081

PROCEDURE:

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Login to your AWS account



Go to Hosted zones.

us-east-1.console.aws.amazon.com/route53/healthchecks/home#/

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Traffic flow
Traffic policies
Policy records
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Registered domains
Pending requests
Resolver
VPCs
Inbound endpoints

Welcome to Route 53 health checks

Route 53 health checks monitor the health and performance of your application's servers, or endpoints, from a network of health checkers in locations around the world. To get started, click **Create health check**.

[Create health check](#)


Health check concepts



Availability and performance monitoring

You can use Route 53 health checks for monitoring and alerts. Each health check provides CloudWatch metrics that you can view and set alarms on.

[Learn more](#)



DNS failover

You can also use Route 53 health checks for DNS failover. Route 53 DNS resource record set. This lets you route traffic to healthy endpoints.

[Learn more](#)

Go to health checks and create health check

us-east-1.console.aws.amazon.com/route53/healthchecks/home#/create

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Create health check

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

What to monitor ☒ Endpoint ☐ Status of other health checks (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 more](#)

Specify endpoint by ☐ IP address ☒ Domain name

Protocol

Domain name *

Give the required details.

←

→

↻

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grrsf

What to monitor

☒ Endpoint

☐ Status of other health checks (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 more](#)

Specify endpoint by

☐ IP address

☒ Domain name

Protocol

HTTP

Domain name *

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Give the endpoint of which you want to monitor.

←

→

↻

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Copy paste the URL in a new tab to check if it is healthy.

The screenshot shows the AWS Management Console interface for Health Checks. A green notification banner at the top states: "Health check with id 0c256e5c-5134-4136-95d9-41ee548aeae3 has been created successfully". Below this, there are buttons for "Create health check", "Delete health check", and "Edit health check". A search bar labeled "Filter by keyword" is present. A table lists the health checks:

Name	Status	Description	Alarms
prodhc	Unknown	http://alb-2instances-2019267418.ap-sou...	1 of 1 in INSUFFI

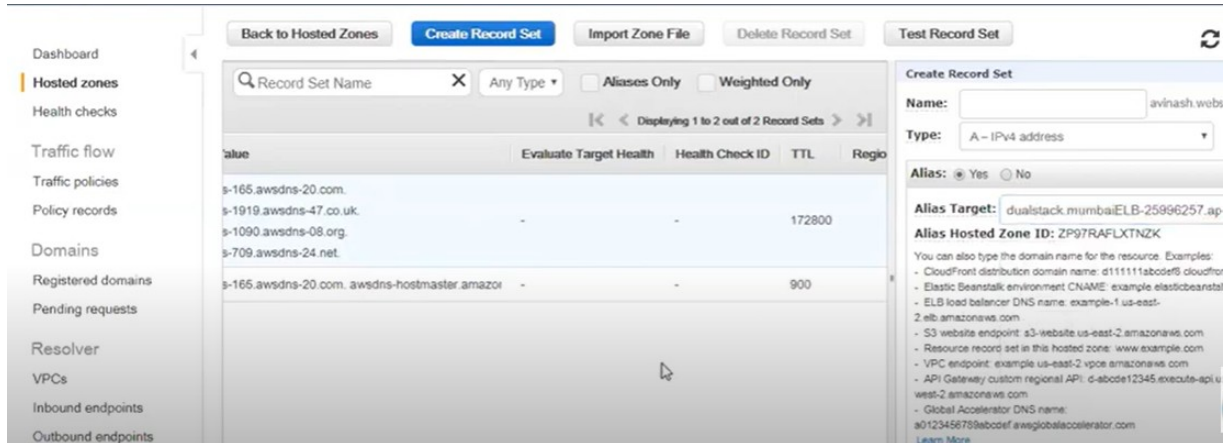
Below the table, there are tabs for "Info", "Monitoring", "Alarms", "Tags", "Health checkers", and "Latency". The "Info" tab is selected, showing "No health check selected." twice.

The bottom of the image shows a Windows taskbar with the date 09-11-2022 and time 10:38.

If your health check fails then you can set notification and click on create health check.

Health check is created and status is unknown and soon it will turn healthy because it is healthy

8.

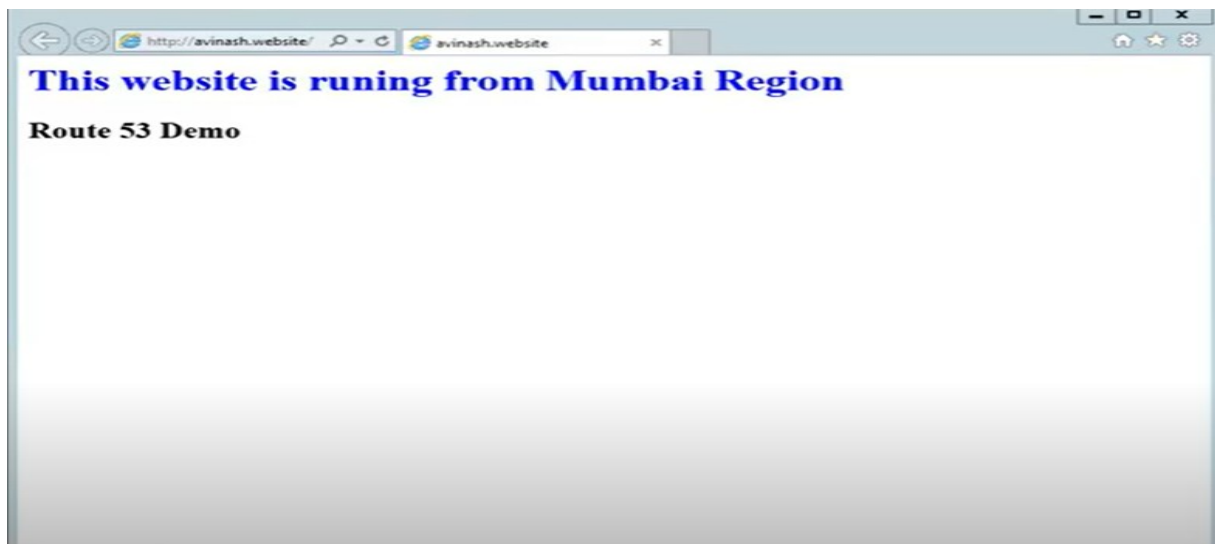


In the hosted zones, create a record set and give the required information with routing policy as failover and click on create.

9.

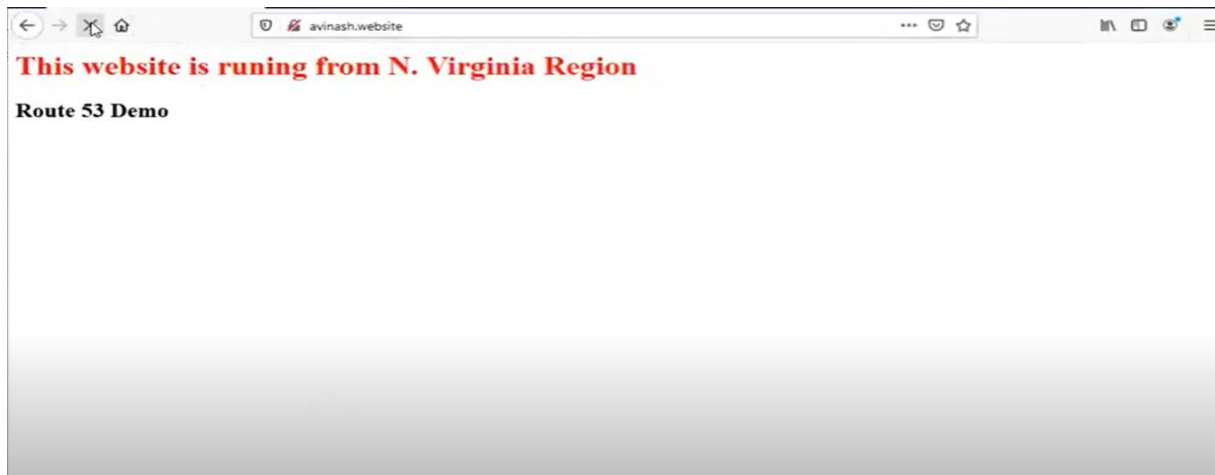
Repeat the same steps for the secondary set ID.

10.



As it is set as primary set ID.

11.



When the load on primary set ID increases it routes the traffic to secondary set ID.