

EXPERIMENT 9

Aim :- Configure Failover Routing with Amazon Route 53

PROCEDURE:

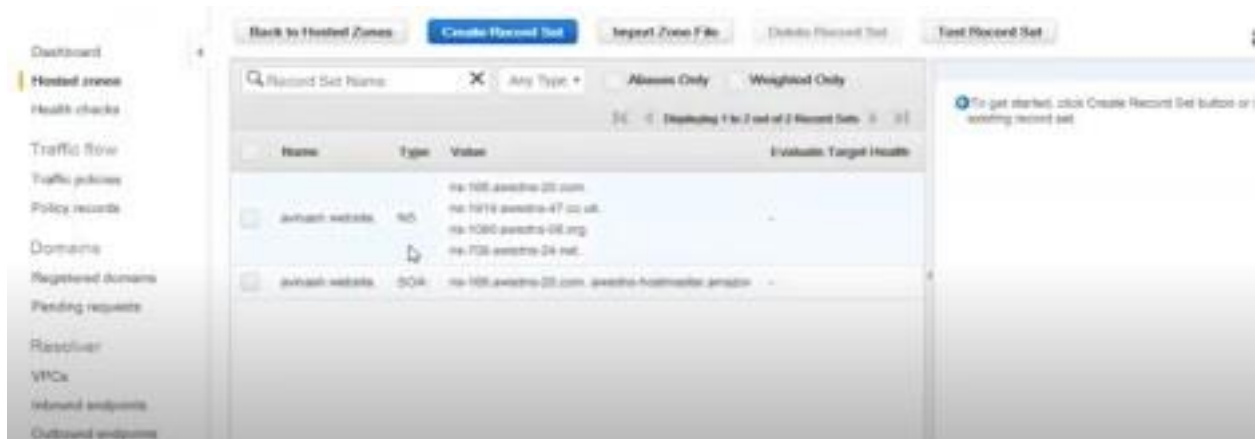
https://aws.amazon.com/free/?trk=09863622-0e2a-4080-9bba-12d378e294ba&sc_channel=ps&sc_campaign=acquisition&sc_medium=ACQ-PIPS-GO|Brand|Desktop|SU|AWS|Core|IN|EN|Text&s_kwcid=AL!4422!3!453325185010!e!!g!!aws%20free&ef_id=Cj0KCQjw_7KXBhCoARIsAPdPTfij_nDXTj072T5S-Pc_3j6qaBSDqVs-6FJI1WtuV8Eo3mdZUwcv5_8aArdoEALw_wcB:G:s&s_kwcid=AL!4422!3!453325185010!e!!g!!aws%20free&all-free-tier.sort-by=item.additionalFields.SortRank&all-free-tier.sort-order=asc&a_wsf.Free%20Tier%20Types=*all&awsf.Free%20Tier%20Categories=*all



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Login to your AWS account

1.



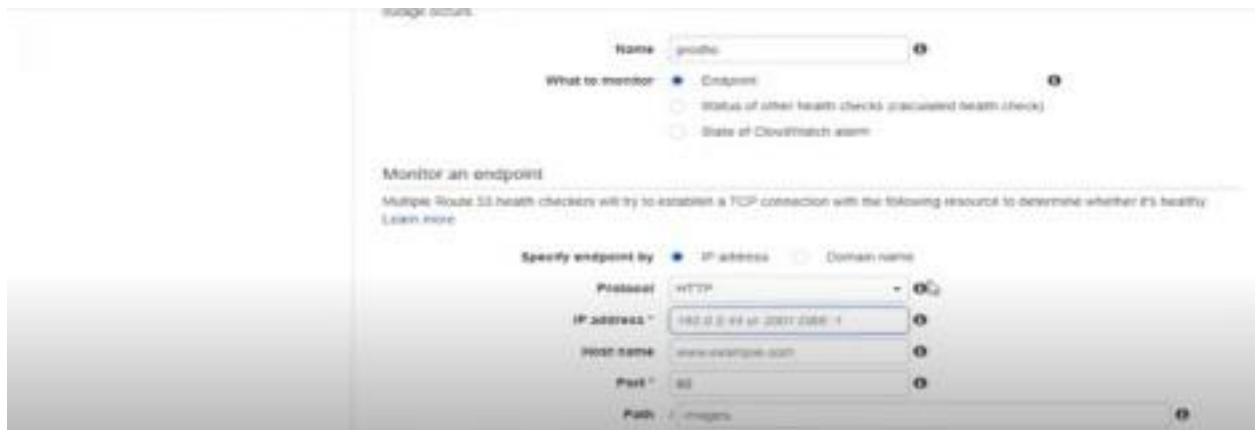
Go to Hosted zones.

2.



Go to health checks and create health check

3.



Give the required details.

4.

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*

Port*

Path

+ Advanced configuration

Give the endpoint of which you want to monitor.

5.

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*

Port*

Path

+ Advanced configuration

URL

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

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

6.

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Create health check

Step 1: Configure health check

Step 2: Get notified when health check fails

Get notified when health check fails

If you want CloudWatch to send you an Amazon SNS notification, such as an email, when the status of the health check changes to unhealthy, create an alarm and specify where to send notifications.

Create alarm

☒ Yes ☐ No

CloudWatch sends you an Amazon SNS notification whenever the status of this health check is unhealthy for one minute.

Send notification to

☒ Existing SNS topic ☐ New SNS topic

Required

Cancel Previous Create health check

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

7.

Dashboard

Health zones

HEALTH CHECKS

Traffic flow

Traffic policies

Policy records

Domains

Registered domains

Pending requests

Resolver

VPCs

Inbound endpoints

Outbound endpoints

Health check with id 94596b41-1d77-4853-b12e-609bd9100603 has been created successfully

Create health check Delete health check Edit health check

Filter by keyword

Name	Status	Description	Alarms
prodhc	Created	http://mumbai.1.1.254.257:80/health-1	1 of 1 in prodhc

Info Monitoring Alarms Tags Health checkers Latency

No health check detected

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

8.

Dashboard
Hatched zones
Health checks
Traffic flow
Traffic policies
Policy records
Domains
Registered domains
Pending requests
Resolver
VPAs
Inbound endpoints
Outbound endpoints

Back to Hosted Zones
Create Record Set
Import Zone File
Update Record Set
Test Record Set

< <
Step 1 of 2 out of 2 Record Sets
> >

alias	Evaluate Target Health	Health Check ID	TTL	Weight
s-105.amazonaws.com				
s-1018.amazonaws.com				
s-1080.amazonaws.com			12000	
s-106.amazonaws.com				
s-105.amazonaws.com, aws-elasticmapreduce.amazonaws.com			800	

Create Record Set

Name:

Type:

Alias:

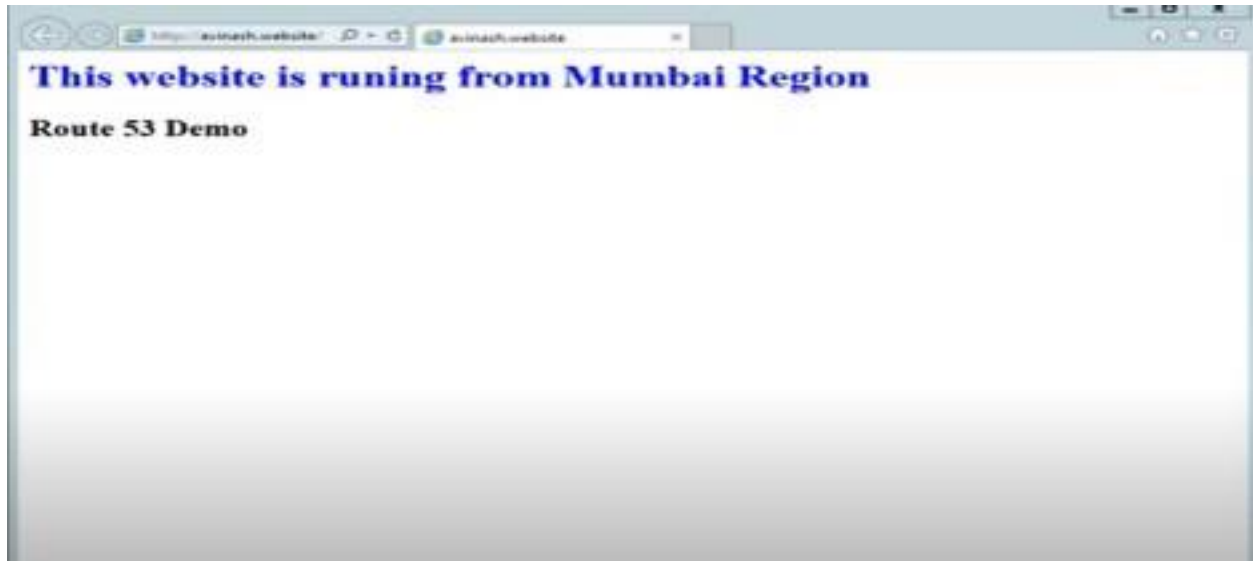
Alias Target:

Alias Hosted Zone ID:

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.