



Route 53: Latency Routing

1. In this lab you are going to learn about Latency routing.
2. For this lab you need to set up an instance based on Ubuntu OS in another region let say Singapore. You can choose any region of your choice.
3. Create a security group which allows HTTP over the internet. Then launch your instance.
4. Once the instance is launched now you need to login to your instance using Putty tool or command prompt.
5. Now run update command and update your instance. Then install the nginx web server.

```
sudo apt update
sudo apt install nginx
```

6. Then you need to create a index.html file here.

```
cd /var/www/html
sudo chmod 777 /var/www/html
echo "<h1> This is the instance in Singapore region with name demo-route-03</h1>"
> Index.html
```

7. After that copy its public IP address and paste it in a new tab.

This is the instance in Singapore region with name demo-route-03

8. Now come back to Route 53 and delete your previous records. Then click on create records.
9. Now for record 1 chooses your primary instance which you were using in the previous lab.
10. For record 2 choose the instance which you created in Singapore region. Copy the public IP address of both the instances and paste them in value.
11. Choose routing policy as Latency. Choose the region and then click on create record.

▼ Record 1

Delete

Record name

Info

subdomain

cloudservicesdemo.in

Record type

Info

A – Routes traffic to an IPv4 address and some AWS resources

Keep blank to create a record for the root domain.

Alias

Value

Info

18.133.244.197

Enter multiple values on separate lines.

TTL (seconds)

Info

300

1m

1h

1d

Recommended values: 60 to 172800 (two days)

Routing policy

Info

Latency

Region

The Amazon EC2 region where the resource that you specified in this record resides. You can only create one latency record for each Amazon EC2 region. You aren't required to create latency records for all Amazon EC2 regions.

Europe (London)

Health check ID - optional

Info

Choose health check

↺

Record ID

Info

1

▼ Record 2

Delete

Record name

Info

subdomain

cloudservicesdemo.in

Record type

Info

A – Routes traffic to an IPv4 address and some AWS resources

Keep blank to create a record for the root domain.

Alias

Value

Info

13.213.8.190

Enter multiple values on separate lines.

TTL (seconds)

Info

300

1m

1h

1d

Recommended values: 60 to 172800 (two days)

Routing policy

Info

Latency

Region

The Amazon EC2 region where the resource that you specified in this record resides. You can only create one latency record for each Amazon EC2 region. You aren't required to create latency records for all Amazon EC2 regions.

Asia Pacific (Singapore)

Health check ID - optional

Info

Choose health check

↺

Record ID

Info

2

- Now wait for some time and see which region has less latency and which has more.
- From this we can say that Singapore has less latency than London.

← ↺ ⚠ Not secure | cloudservicesdemo.in/Index.html

This is the instance in Singapore region with name demo-route-03