

Step 1- Create 2 servers any ami is ok, make sure to add userdata, see sample below

Step 2 – Register your domain

Step 3 – Created a hosted zone

Step 4 – Create a Simple Routing Policy

Step 5 – Create an A record (add the IP address of both your servers)

Step 6 – Take each of the ip address to your browser. You should see the information you pass in your userdata

Step 7 – Create a Health check for each region

Step 8 - Create a Weighted Routing Policy ( You need to create a record for each server)

Step 9 – Create a Latency Routing Policy (You need to create a record for each server)

Spin up 2 server

Open both port 22 and 80 from anywhere

Pass this user data when spinning up your servers, replacing the region name

### Server 1

```
#!/bin/bash
```

```
yum update -y
```

```
yum install httpd -y
```

```
cd /var/www/html
```

```
echo "Today is May 29 2021, The Awesome JJTech Bliss Batch students are now studying Route53, and  
will explore all the routing policies including failover based routing, weighted based routing, latency based routing,  
geolocation and simple based routing policies" > index.html
```

```
service httpd start
```

```
chkconfig httpd on
```

### Server 2

```
#!/bin/bash
```

```
yum update -y
```

```
yum install httpd -y
```

```
cd /var/www/html
```

```
echo "JJ Tech Inc Disaster Recovery strategy include using Route53 Failover Based Routing" > index.html
```

```
service httpd start
```

```
chkconfig httpd on
```

# Get started Info

## Choose your starting point

☒ **Register a domain**

Register the name, such as example.com, that your users use to access your application.



☐ **Transfer domain**

You can transfer domain names to Route 53 that you registered with another domain registrar.



☐ **Create hosted zones**

A hosted zone tells Route 53 how to respond to DNS queries for a domain such as example.com.



☐ **Configure health checks**

Health checks monitor your applications and web resources, and direct DNS queries to healthy resources.



☐ **Configure traffic flow**

A visual tool that lets you easily create policies for multiple endpoints in complex configurations.



☐ **Configure resolvers**

A regional service that lets you route DNS queries between your VPCs and your network.



Cancel

Get started

# Choose a domain name

.ca - \$13.00

Check

## Availability for 'jjtechinc.ca'

Domain Name		Status	Price /1 Year	Action
jjtechinc.ca	✓	Available - In Cart	\$13.00	Add to cart

Cancel

Continue

# Contact Details for Your 1 Domain

Enter the details for your Registrant, Administrative and Technical contacts below. All fields are required unless specified otherwise. [Learn more.](#)

My Registrant, Administrative and Technical Contacts are all the same: ☒ Yes ☐ No

## Registrant Contact

**Contact Type** ⓘ

Person ▼

**First Name**

**Last Name**

**Organization** ⓘ

*Not applicable*

**Email**

**Phone**

+  ·

Enter country calling code and phone number

**Address 1**

Street address, P.O. box

Dashboard

Hosted zones

Health checks

Traffic flow

Traffic policies

Policy records

Domains

**Registered domains**

Pending requests

Resolver

VPCs

Inbound endpoints

## Registered domains

Register Domain

Transfer Domain

Domain Billing Report

Search domains by prefix

Domain Name

Privacy Protection

ediealty.ca

No contacts

Now to route53 dashboard,  
Go to hosted zone

Route 53

Dashboard

Hosted zones

Health checks

Traffic flow

Traffic policies

Policy records

Domains

Registered domains

Pending requests

Resolver

VPCs

Inbound endpoints

Outbound endpoints

Rules

Query logging

Route 53 / Hosted zones / edirealty.ca

edirealty.ca Info

Delete zone Test record Configure query logging

Hosted zone details

Edit hosted zone

Records (2) DNSSEC signing Hosted zone tags (0)

Records (2) Info

Automatic mode is the current search behavior optimized for best filter results. To change modes go to settings.

Filter records by property or value

Type Routing policy Alias

Create record

	Record name	Type	Routin...	Differ...	Value/Route traffic to
<input type="checkbox"/>	edirealty.ca	NS	Simple	-	ns-1871.awsdns-41.co.uk. ns-642.awsdns-16.net. ns-1306.awsdns-35.org. ns-476.awsdns-59.com.
<input type="checkbox"/>	edirealty.ca	SOA	Simple	-	ns-1871.awsdns-41.co.uk. awsdns-hostmaster.amazon.com. 1 7200 900 1209600 86400



# Simple Routing

**Quick create record** [Info](#)Switch to wizardAdd another record

▼ Record 1Delete

Record name [Info](#)

edierealty.ca

Valid characters: a-z, 0-9, ! " # \$ % & ' ( ) \* + , - / : ; < = > ? @ [ \ ] ^ \_ ` { | } . ~

Record type [Info](#)

A – Routes traffic to an IPv4 address and so... ▼

Value [Info](#)

☐ Alias

55.177.48.82

100.26.151.217

35.182.97.221

Enter multiple values on separate lines.

TTL (seconds) [Info](#)

+1m

1h

1d

Recommended values: 60 to 172800 (two days)

Routing policy [Info](#)

Simple routing ▼

CancelCreate records



Dashboard

Hosted zones

**Health checks**

Traffic flow

Traffic policies

Policy records

Domains

## ◀ 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. You can create health checks by specifying a domain name or an IP address and a port to create HTTP, HTTPS, and TCP health checks that check the health of the endpoint. To get started, click the **Create health check** button.

**Create health check**

## Health check concepts

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

i

What to monitor

☒ Endpoint

☐ Status of other health checks (calculated health check)

☐ State of CloudWatch alarm

i

### 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

i

IP address \*

i

Host name

i

Port \*

i

Path

i

## ▼ Advanced configuration

---

**Request interval** ☐ Standard (30 seconds) ☒ Fast (10 seconds) ⓘ

**Failure threshold \***  ⓘ

**String matching** ☒ No ☐ Yes ⓘ

**Latency graphs** ☐ ⓘ

**Invert health check status** ☐ ⓘ

**Disable health check** ☐ By default, disabled health checks are considered healthy. [Learn more](#) ⓘ

**Health checker regions** ☐ Customize ☒ Use recommended ⓘ

US East (N. Virginia)

US West (N. California)

US West (Oregon)

EU (Ireland)

Asia Pacific (Singapore)

Asia Pacific (Sydney)

Asia Pacific (Tokyo)

South America (São Paulo)

# Weighted Routing

- Create individual records for each server

Route 53 > Hosted zones > edierealty.ca > Create record

**Quick create record** [Info](#) [Switch to wizard](#) [Add another record](#)

▼ Record 1 [Delete](#)

**Record name** [Info](#)  edierealty.ca  
Valid characters: a-z, 0-9, ! " # \$ % & ' ( ) \* + , - / : ; < = > ? @ [ \ ] ^ \_ ` { | } .

**Record type** [Info](#)

**Value** [Info](#)  ☐ Alias  
Enter multiple values on separate lines.

**TTL (seconds)** [Info](#)   
Recommended values: 60 to 172800 (two days)

**Routing policy** [Info](#)

**Weight**   
The weight can be a number between 0 and 255. If you specify 0, Route 53 stops responding to DNS queries using this record.

**Health check - optional** [Info](#)

**Record ID** [Info](#)

[+1m](#) [1h](#) [1d](#)

[Cancel](#) [Create records](#)

# Latency Routing

Route 53 > Hosted zones > edierealty.ca > Create record

**Quick create record** [Info](#) [Switch to wizard](#) [Add another record](#)

▼ Record 1 [Delete](#)

**Record name** [Info](#) **Record type** [Info](#) **Value** [Info](#) ☐ Alias

edierealty.ca

Valid characters: a-z, 0-9, ! " # \$ % & ' ( ) \* + , - / : ; < = > ? @ [ \ ] ^ \_ ` { | } . ~  
Enter multiple values on separate lines.

**TTL (seconds)** [Info](#) **Routing policy** [Info](#) **Region**

Recommended values: 60 to 172800 (two days)

**Health check - optional** [Info](#) **Record ID** [Info](#)

[Cancel](#) [Create records](#)