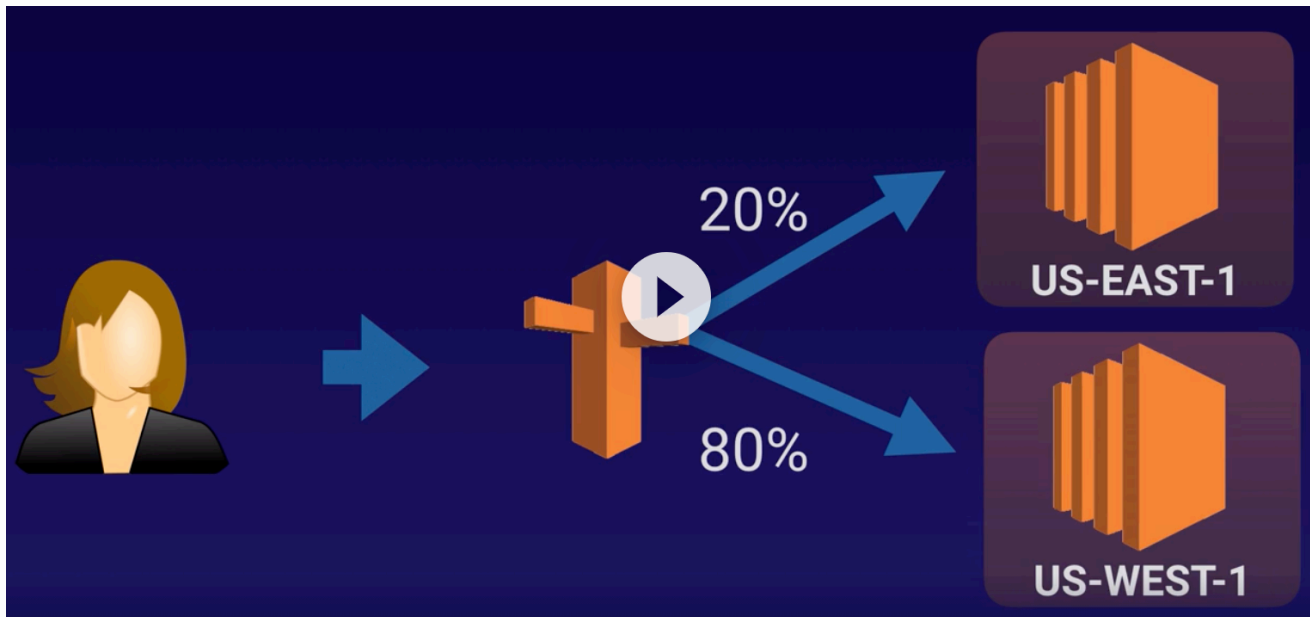


Weighted Routing Policy - LAB

Weighted Routing Policy

Allows you split your traffic based on different weights assigned.

For example, you can set 10% of your traffic to go to US-EAST-1 and 90% to go to EU-WEST-1.



The screenshot shows the AWS Route 53 Management Console. The left sidebar contains navigation links: Dashboard, Hosted zones, Health checks, Traffic flow, Traffic policies, Policy records, Domains, Registered domains, Pending requests, Resolver, VPCs, Inbound endpoints, Outbound endpoints, and Rules. The main content area displays a table of record sets for the domain `hellocloudgurus2019.com`. The table has columns for Name, Type, Value, Evaluate Target Health, Health Check ID, and TTL. Two record sets are listed: one for NS type with multiple values and a TTL of 172800, and one for SOA type with a single value and a TTL of 900. The right sidebar shows the configuration for a new record set. The Name is `hellocloudgurus2019.com`, the Type is `A - IPv4 address`, the Alias is `Yes`, the TTL is `300` seconds, and the Value is `52.05.15.145`. The Routing Policy is set to `Weighted`, the Weight is `20`, and the Set ID is `My Seattle Data Center`. The Associate with Health Check option is set to `No`. A `Create` button is at the bottom right.

Name	Type	Value	Evaluate Target Health	Health Check ID	TTL
hellocloudgurus2019.com	NS	ns-1752.awsdns-27.co.uk. ns-1051.awsdns-03.org. ns-634.awsdns-15.net. ns-114.awsdns-14.com.	-	-	172800
hellocloudgurus2019.com	SOA	ns-1752.awsdns-27.co.uk. awsdns-hostmaster.ama;	-	-	900

Record Set Configuration:

- Name: `hellocloudgurus2019.com`
- Type: `A - IPv4 address`
- Alias: `Yes`
- TTL (Seconds): `300`
- Value: `52.05.15.145`
- Routing Policy: `Weighted`
- Weight: `20`
- Set ID: `My Seattle Data Center`
- Associate with Health Check: `No`

Route 53 Management Console | hellocloudgurus2019.com | https://console.aws.amazon.com/route53/home?region=eu-west-1#resource-record-sets:Z3VNGFY3ZU7W7H

Services | Resource Groups

Dashboard | Hosted zones | Health checks | Traffic flow | Traffic policies | Policy records | Domains | Registered domains | Pending requests | Resolver | VPCs | Inbound endpoints | Outbound endpoints | Rules

Back to Hosted Zones | **Create Record Set** | Import Zone File | Delete Record Set | Test Record Set

Record Set Name: X Any Type: Aliases Only Weighted Only | Displaying 1 to 3 out of 3 Record Sets

Name	Type	Value	Evaluate Target Health	Health Check ID	TTL
hellocloudgurus2019.com.	A	52.65.15.145	-	-	60
hellocloudgurus2019.com.	NS	ns-1752.awsdns-27.co.uk. ns-1051.awsdns-03.org. ns-634.awsdns-15.net. ns-114.awsdns-14.com.	-	-	172800
hellocloudgurus2019.com.	SOA	ns-1752.awsdns-27.co.uk. awsdns-hostmaster.amazon.com.	-	-	900

Create Record Set

Name: hellocloudgurus2019.com

Type: A - IPv4 address

Alias: ☐ Yes ☒ No

TTL (Seconds): 300 1m 5m 1h 1d

Value: 3.16.216.42

IPv4 address. Enter multiple addresses on separate lines.
Example:
192.0.2.235
198.51.100.234

Routing Policy: Simple

Route 53 responds to queries based only on the values in this record. [Learn More](#)

Create

Route 53 Management Console | hellocloudgurus2019.com | https://console.aws.amazon.com/route53/home?region=eu-west-1#resource-record-sets:Z3VNGFY3ZU7W7H

Services | Resource Groups

Dashboard | Hosted zones | Health checks | Traffic flow | Traffic policies | Policy records | Domains | Registered domains | Pending requests | Resolver | VPCs | Inbound endpoints | Outbound endpoints | Rules

Back to Hosted Zones | **Create Record Set** | Import Zone File | Delete Record Set | Test Record Set

Record Set Name: X Any Type: Aliases Only Weighted Only | Displaying 1 to 4 out of 4 Record Sets

Name	Type	Value	Evaluate Target Health	Health Check ID	TTL
hellocloudgurus2019.com.	A	3.16.216.42	-	-	300
hellocloudgurus2019.com.	A	52.65.15.145	-	-	300
hellocloudgurus2019.com.	NS	ns-1752.awsdns-27.co.uk. ns-1051.awsdns-03.org. ns-634.awsdns-15.net. ns-114.awsdns-14.com.	-	-	172800
hellocloudgurus2019.com.	SOA	ns-1752.awsdns-27.co.uk. awsdns-hostmaster.amazon.com.	-	-	900

Create Record Set

Name: hellocloudgurus2019.com

Type: A - IPv4 address

Alias: ☐ Yes ☒ No

TTL (Seconds): 60 1m 5m 1h 1d

Value: 52.48.255.47

IPv4 address. Enter multiple addresses on separate lines.
Example:
192.0.2.235
198.51.100.234

Routing Policy: Weighted

Route 53 responds to queries based on weighting that you specify in this and other record sets that have the same name and type. [Learn More](#)

Weight: 50

Set ID: Ireland

Description of this record set that is unique within the group of weighted sets.
Example:
My Seattle Data Center

Associate with Health Check: ☐ ☒ [Learn More](#)

Create

Route 53 Management Console | hellocloudgurus2019.com | https://console.aws.amazon.com/route53/home?region=eu-west-1#resource-record-sets:Z3VNGFY3ZU7W7H

Services | Resource Groups

Dashboard | Hosted zones | Health checks | Traffic flow | Traffic policies | Policy records | Domains | Registered domains | Pending requests | Resolver | VPCs | Inbound endpoints | Outbound endpoints | Rules

Back to Hosted Zones | **Create Record Set** | Import Zone File | Delete Record Set | Test Record Set

Record Set Name: X Any Type: Aliases Only Weighted Only | << Displaying 1 to 5 out of 5 Record Sets >>

	Evaluate Target Health	Health Check ID	TTL	Region	Weight	Geolocation	Multivalue Answer	Set ID
	-	-	60		50			Ireland
	-	-	60		30			Ohio
	-	-	60		20			Sydney
o.uk.	-	-	172800					
g.	-	-						
n.	-	-						
o.uk. awsdns-hostmaster.ama	-	-	900					

To get started, click Create Record Set button or click an existing record set.

☐ 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 ⓘ

IP address *: 192.0.2.41 or 2001:DB8::1 ⓘ

Host name: www.example.com ⓘ

Port *: 80 ⓘ

Path: /images ⓘ

Advanced configuration

URL ⓘ

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

* Required Cancel Next

Host name: hellocloudgurus2019.com

Port: 80

Path: /index.html

Advanced configuration

Request interval: ☒ Standard (30 seconds) ☐ Fast (10 seconds)

Failure threshold: 3

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)

URL: http://52.65.15.145:80/index.html

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

Health check with id 94d599fe-2f1b-4a17-ab01-aa75184b370e has been created successfully

Create health check Delete health check Edit health check

Filter by keyword

Name	Status	Description	Alarms	ID
Ohio	Healthy	http://3.16.216.42:80/index.html	No alarms configured.	86ad9d33-abb7-4cae-ba96-d20a06406f32
Ireland	Healthy	http://52.48.255.47:80/index.html	No alarms configured.	94d599fe-2f1b-4a17-ab01-aa75184b370e
Sydney	Healthy	http://52.65.15.145:80/index.html	No alarms configured.	aa23e773-4126-49ad-8dea-5d14652e79ed

Info Monitoring Alarms Tags Health checkers Latency

No health check selected.

Health Checks

- You can set health checks on individual record sets.
- If a record set fails a health check it will be removed from Route53 until it passes the health check.
- You can set SNS notifications to alert you if a health check is failed.