

10 - HANDS ON: WEIGHTED ROUTING POLICE COM HEALTH CHECK

HEALTH CHECK

- Imagine que 50% do trafego esta sendo enviado para londres, mas de alguma forma, o servidor de londres esta indisponivel.

- Será que não teria como criarmos dentro do route53 na parte de weighted route police um HEALTH CHECK para que fique verificando se aquele servidor esta respondendo ou não? para que quando ele pare de responder podermos enviar o trafego DNS para outra localidade.

The screenshot shows the AWS Route 53 console. On the left, a table lists record sets for 'clubcloudbrasil.com'. The first record set is selected, showing a weight of 50 and a TTL of 60. A red circle highlights the first record set. A red line connects this record set to the 'Edit Record Set' panel on the right. The 'Edit Record Set' panel shows the configuration for the selected record set, including the name, type (A), value (18.130.106.37), TTL (60), and weight (50). The 'Associate with Health Check' section is highlighted with a red circle, showing the 'No' option selected. A yellow tooltip explains that you must create a health check to use this feature.

Name	Type	Value	Evaluate Target Health	Health Check ID	TTL	Region	Weight	Geolocation	Multivalue Answer	Set ID
clubcloudbrasil.com.	A	18.130.106.37	-	-	60	-	50	-	-	Webserver-London
clubcloudbrasil.com.	A	35.180.42.206	-	-	60	-	30	-	-	Webserver-Paris
clubcloudbrasil.com.	A	13.55.212.177	-	-	60	-	20	-	-	Webserver-Sydney

Edit Record Set
Name: clubcloudbrasil.com
Type: A - IPv4 address
Alias: ☐ Yes ☒ No
TTL (Seconds): 60 1m 5m 1h 1d
Value: 18.130.106.37
IPv4 address. Enter multiple addresses on separate lines.
Example: 192.0.2.235 190.51.100.234
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: Webserver-London
Description of this record set that is unique within the group of weighted sets.
Example: My Seattle Data Center
Associate with Health Check: ☐ Yes ☒ No
Specify whether you want Route 53 to check the health of this record set. You must create health checks to use this feature.

- Quando habilitamos ele ira começar a fazer o health check, mas temos que criar um health check.

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

IP address *

Host name

Port *

Path

Advanced configuration

URL

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

- Cria um para cada localidade.

- O PATH é qual caminho/pagina ele ira ficar acessando. No caso, index.html.

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

* Required

Cancel

Previous

Create health check

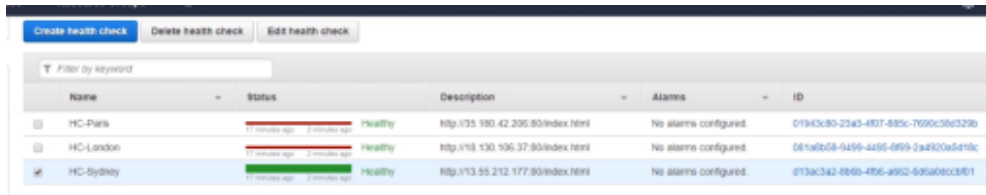
Health check with id 001a0058-9499-4465-8999-2a4820a5d18c has been created successfully

Create health check Delete health check Edit health check

Name	Status	Description	Alarms	ID
HC-London	Unknown	http://10.130.136.37:80/index.html	No alarms configured	001a0058-9499-4465-8999-2a4820a5d18c

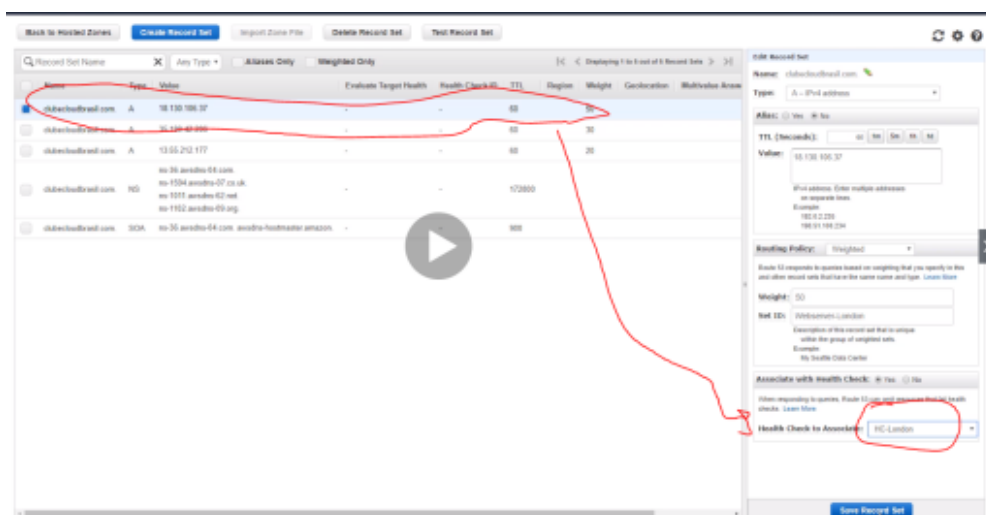
- Vamos criar os outros health checks para depois so precisar fazer a associação do DNS record com o health check

- Estão dando Unhealthy -> o https:// estava atrapalhando.



Name	Status	Description	Alarms	ID
HC-Paris	Healthy	http://35.180.42.206:80/index.html	No alarms configured.	01943c80-23a3-4807-885c-7690c36d3296
HC-London	Healthy	http://10.130.136.37:80/index.html	No alarms configured.	081a6b58-6499-4495-9999-2a4920a5d18c
HC-Sydney	Healthy	http://13.55.212.177:80/index.html	No alarms configured.	013ac3a2-0b60-4f65-a952-606a0ecb01

- Precisamos associar agora associar cada record set a um health check

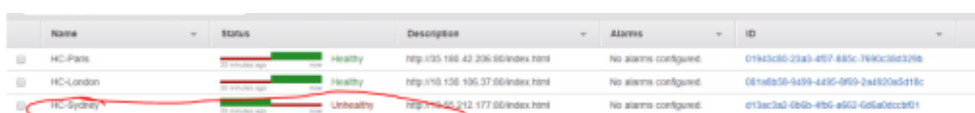


Record Set Name: chucknorris.com, Type: A, Value: 10.130.136.37, Health Check ID: HC-London, TTL: 60, Weight: 50.

Health Check to Associate: HC-London

- Queremos saber se, se derrubarmos um servidor será que ele irá parar de enviar informações para aquele servidor

service>ec2 > derrubando instancia sydney



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HC-Paris	Healthy	http://35.180.42.206:80/index.html	No alarms configured.	01943c80-23a3-4807-885c-7690c36d3296
HC-London	Healthy	http://10.130.136.37:80/index.html	No alarms configured.	081a6b58-6499-4495-9999-2a4920a5d18c
HC-Sydney	Unhealthy	http://13.55.212.177:80/index.html	No alarms configured.	013ac3a2-0b60-4f65-a952-606a0ecb01

- Irá ficar trocando entre paris e london.

- Se quisermos subir o servidor de sydney novamente ele terá um novo endereçamento IP

- Logo temos que alterar o endereço Ip no HEALTH CHECK
- Existe uma forma do IP não ficar mudando -> ELASTIC ID

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