Práctica Balanceo de Carga en GCP

Item 1. Tres servidores en línea

```
miguelrodriguez151522@cloudshell:~ (black-radius-474501-u6)$ curl http://34.74.81.51
<h1>Servidor Web: servidor1</h1>
miguelrodriguez151522@cloudshell:~ (black-radius-474501-u6)$ curl http://34.26.167.17
<h1>Servidor Web: servidor2</h1>
miguelrodriguez151522@cloudshell:~ (black-radius-474501-u6)$ curl http://34.139.101.36
<h1>Servidor Web: servidor3</h1>
```

Item 2. Enviar tráfico al balanceador de carga

```
miguelrodriguez151522@cloudshell:~ (black-radius-474501-u6)$ while true; do curl -m1 34.139.60.104; done
<h1>Servidor Web: servidor3</h1>
<h1>Servidor Web: servidor1</h1>
<h1>Servidor Web: servidor2</h1>
<h1>Servidor Web: servidor3</h1>
<h1>Servidor Web: servidor3</h1>
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<h1>Servidor Web: servidor1</h1>
<h1>Servidor Web: servidor2</h1>
<h1>Servidor Web: servidor2</h1>
<h1>Servidor Web: servidor2</h1>
```

Item 3. Suspender y Reanudar instancia

```
<h1>Servidor Web: servidor2</h1>
<h1>Servidor Web: servidor1</h1>
<h1>Servidor Web: servidor2</h1>
<h1>Servidor Web: servidor2</h1>
<h1>Servidor Web: servidor2</h1>
<h1>Servidor Web: servidor1</h1>
<h1>Servidor Web: servidor1</h1>
<h1>Servidor Web: servidor2</h1>
<h1>Servidor Web: servidor1</h1>
<h1>Servidor Web: servidor2</h1>
<h1>Servidor Web: servidor3</h1>          ⟵  Se reanuda el
<h1>Servidor Web: servidor2</h1>               servidor 3
<h1>Servidor Web: servidor1</h1>
<h1>Servidor Web: servidor1</h1>
<h1>Servidor Web: servidor2</h1>
<h1>Servidor Web: servidor3</h1>
<h1>Servidor Web: servidor2</h1>
<h1>Servidor Web: servidor2</h1>
<h1>Servidor Web: servidor2</h1>
<h1>Servidor Web: servidor2</h1>
<h1>Servidor Web: servidor1</h1>
```

Se puede observar que al suspender el servidor 3, sólo se distribuye el tráfico a los servidores 1 y 2. Después de reanudar al servidor 3, el tráfico ya puede volver a distribuirse entre los tres servidores. Así, aunque uno de los servidores no esté disponible, el tráfico puede seguir fluyendo.

Item 4. Eliminar las 3 instancias

```
miguelrodriguez151522@cloudshell:~ (black-radius-474501-u6)$ gcloud compute instances delete servidor3 --zone=us-east1-b
The following instances will be deleted. Any attached disks configured to be auto-deleted will be deleted unless they are attached to any other
instances or the `--keep-disks` flag is given and specifies them for keeping. Deleting a disk is irreversible and any data on the disk will be
lost.
 - [servidor3] in [us-east1-b]

Do you want to continue (Y/n)?  y

Deleted [https://www.googleapis.com/compute/v1/projects/black-radius-474501-u6/zones/us-east1-b/instances/servidor3].
miguelrodriguez151522@cloudshell:~ (black-radius-474501-u6)$ gcloud compute instances delete servidor2 --zone=us-east1-b
The following instances will be deleted. Any attached disks configured to be auto-deleted will be deleted unless they are attached to any other
instances or the `--keep-disks` flag is given and specifies them for keeping. Deleting a disk is irreversible and any data on the disk will be
lost.
 - [servidor2] in [us-east1-b]

Do you want to continue (Y/n)?  y

Deleted [https://www.googleapis.com/compute/v1/projects/black-radius-474501-u6/zones/us-east1-b/instances/servidor2].
miguelrodriguez151522@cloudshell:~ (black-radius-474501-u6)$ gcloud compute instances delete servidor1 --zone=us-east1-b
The following instances will be deleted. Any attached disks configured to be auto-deleted will be deleted unless they are attached to any other
instances or the `--keep-disks` flag is given and specifies them for keeping. Deleting a disk is irreversible and any data on the disk will be
lost.
 - [servidor1] in [us-east1-b]

Do you want to continue (Y/n)?  y

Deleted [https://www.googleapis.com/compute/v1/projects/black-radius-474501-u6/zones/us-east1-b/instances/servidor1].
miguelrodriguez151522@cloudshell:~ (black-radius-474501-u6)$ []
```