Universidad Modelo

Escuela de Ingeniería.

Carrera: Ingeniería en Desarrollo de Tecnología y Software

Asignatura: Fundamentos de La nube

Nombre de la Actividad: Practica AWS

Fecha de Entrega: marzo 11 del 2021

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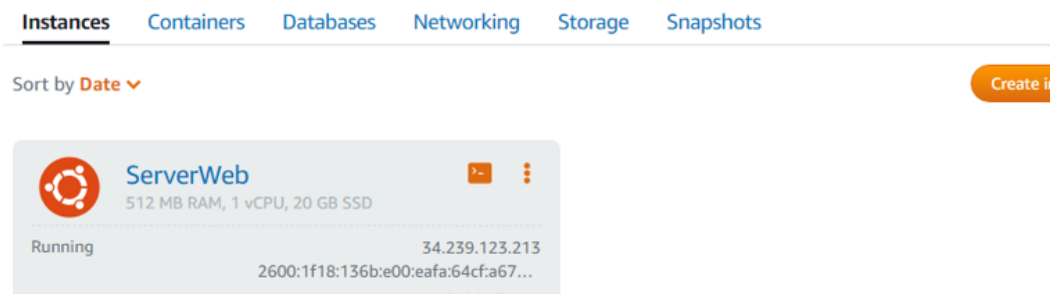


Image 1-
Instance being created for the usage of the test.

-

```
ubuntu@ip-125-26-10-122:~$ sudo -s
root@ip-125-26-10-122:/home/ubuntu# cd ..
root@ip-125-26-10-122:/home# git clone https://github.com/
sinuheArturo/FundamentosNube.git
Cloning into 'FundamentosNube'...
Username for 'https://github.com': sinuheArturo
Password for 'https://sinuheArturo@github.com':
remote: Enumerating objects: 148, done.
remote: Counting objects: 100% (148/148), done.
remote: Compressing objects: 100% (65/65), done.
Receiving objects:  15% (23/148), 100.01 KiB | 185.00 KiB/
Receiving objects:  16% (24/148), 100.01 KiB | 185.00 KiB/
Receiving objects:  17% (26/148), 100.01 KiB | 185.00 KiB/
Receiving objects:  18% (27/148), 100.01 KiB | 185.00 KiB/
Receiving objects:  19% (29/148), 100.01 KiB | 185.00 KiB/
Receiving objects:  20% (30/148), 100.01 KiB | 185.00 KiB/
```

Image 2-
In this instance, we are currently creating the super user (or root)
And we perform a “gitclone” action

```
Receiving objects: 100% (148/148), 1.99 MiB | 2.18 MiB/s,
done.
Resolving deltas: 100% (81/81), done.
root@ip-125-26-10-122:/home# ls
FundamentosNube  ubuntu
root@ip-125-26-10-122:/home#
```

Image 3- checking the files that are indeed in the ubuntu server.

```
root@ip-125-26-10-122:/home# vi installdocker.sh
```

Image 4- creating the file install docker.

```
                curl \
                    gnupg-agent \
                        software-properties-common

curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo apt

sudo apt-key fingerprint 0EBFCD88

sudo add-apt-repository \
       "deb [arch=amd64] https://download.docker.com/linux/ubuntu
          $(lsb_release -cs) \
             stable"

sudo apt-get update

sudo apt-get install docker-ce docker-ce-cli containerd.io

#install docker compose

sudo curl -L
"https://github.com/docker/compose/releases/download/1.28.5/docker
name -s)-$(uname -m)" -o /usr/local/bin/docker-compose
sudo chmod +x /usr/local/bin/docker-compose
sudo ln -s /usr/local/bin/docker-compose /usr/bin/docker-compose
```

Image 5-

This file is used to install the necessary libraries to install docker and usage of docker.

Image 6- We give the necessary permissions in order to use the execution command in order to move forward.

Image 7- shows the verification that let us see if the docker compose is there, giving us a green light that we successfully installed the required items.

Image 8-

Here we clone the address by using the action “docker compose”

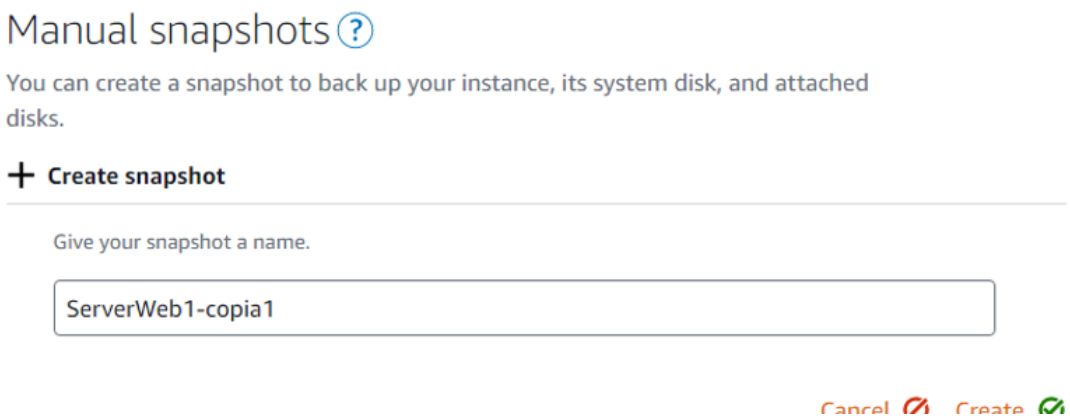


Image 9-

We created the snapshot that was solicited in the instructions.

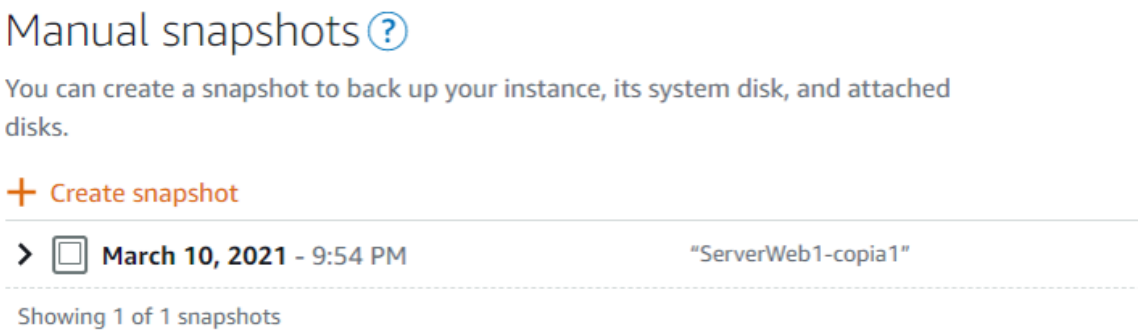


Image 10-

The result of the action that was made for the snapshot.

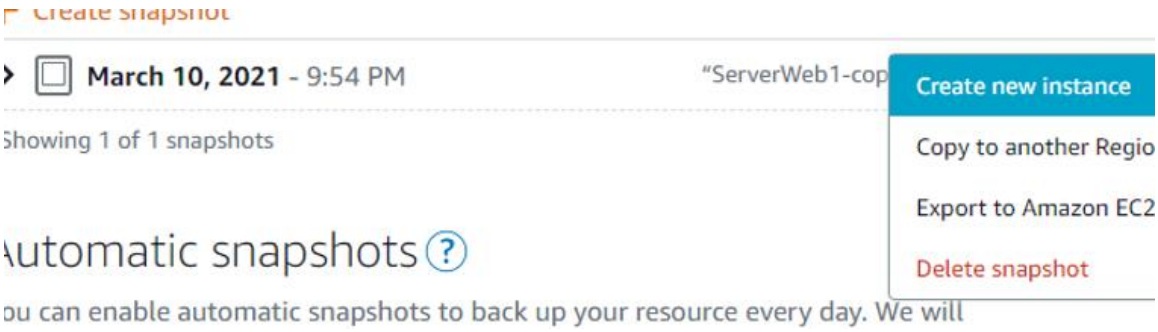


Image 11- We create a new instance from the snapshot.

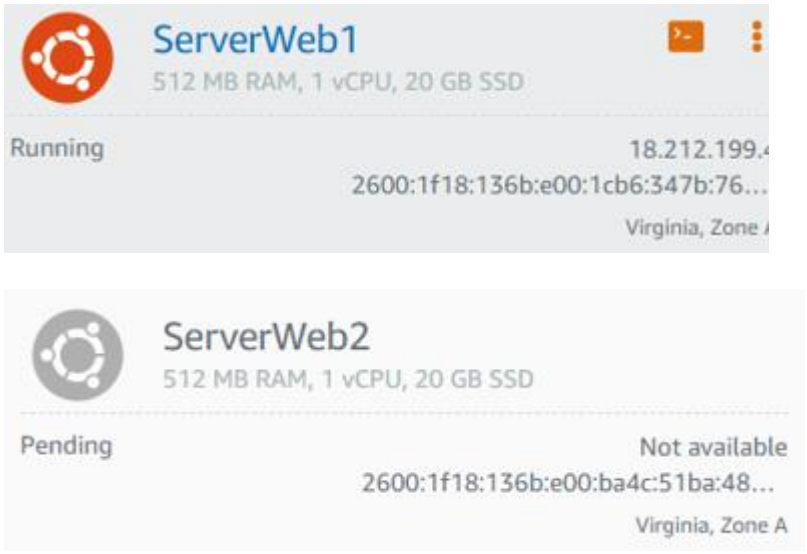


Image 12-

Here we created successfully both instances, one is the original, the second is created from the snapshot.

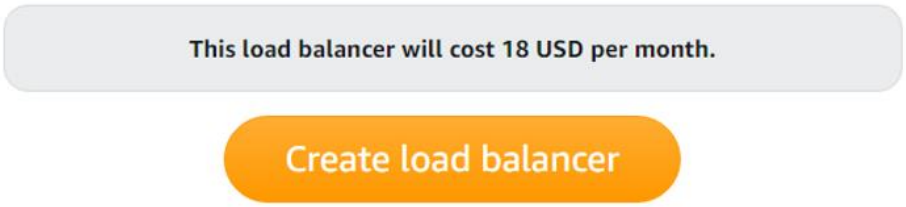


Image 13-

We are creating a load balancer.

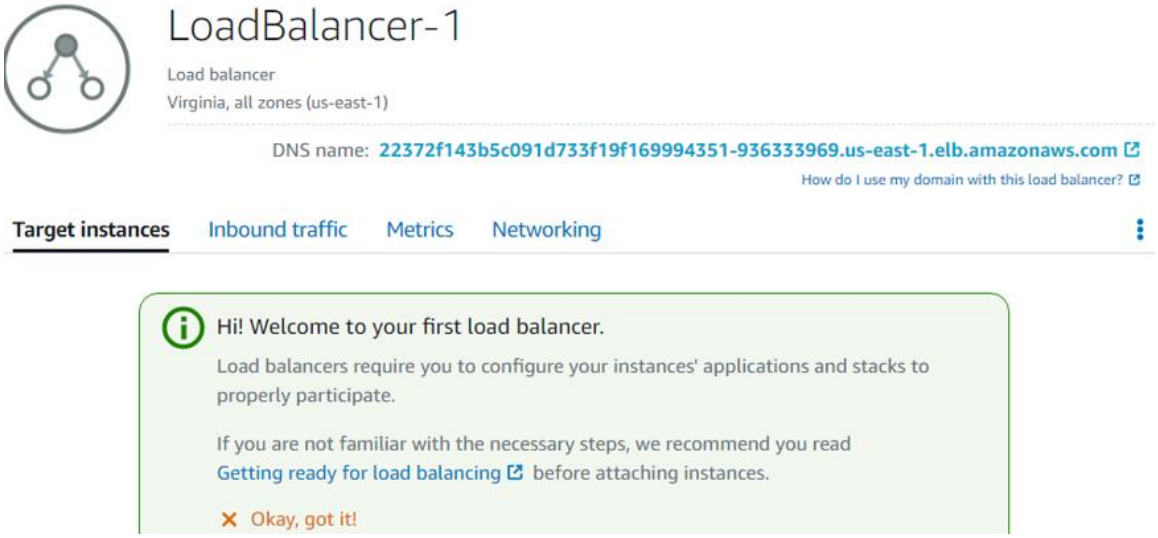


Image 14-

Created the balancer succesfully.

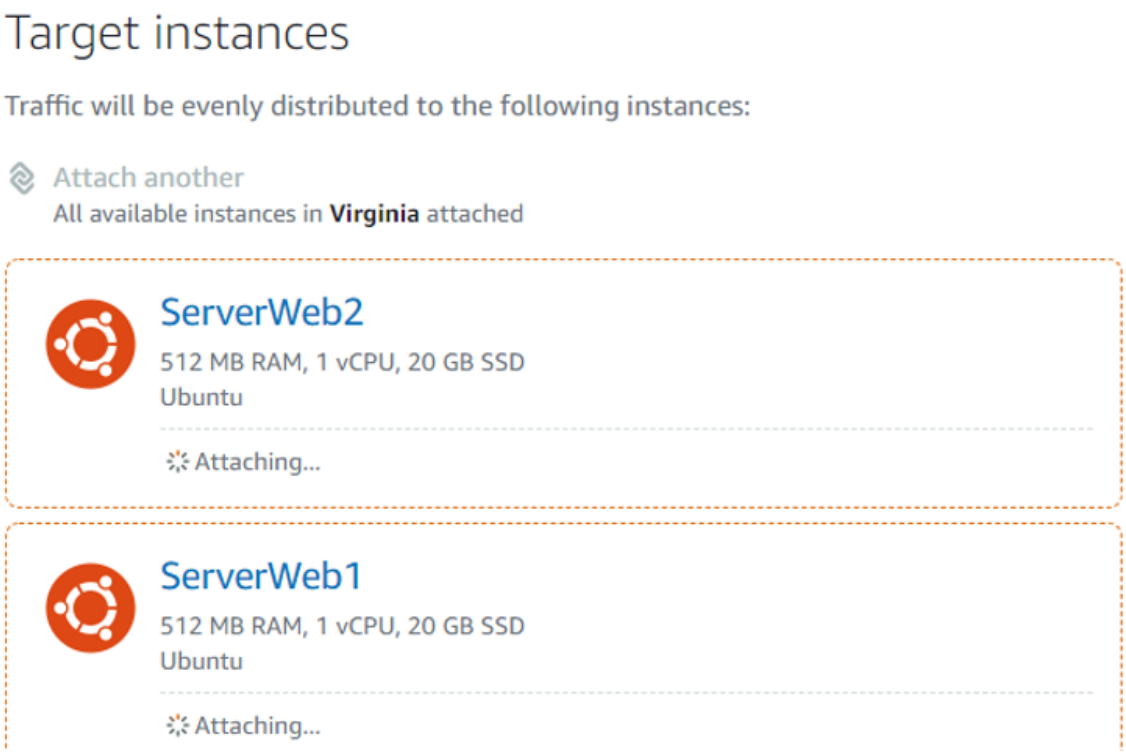


Image 15-

Here we attacked both instances from the server web in the load balancer.

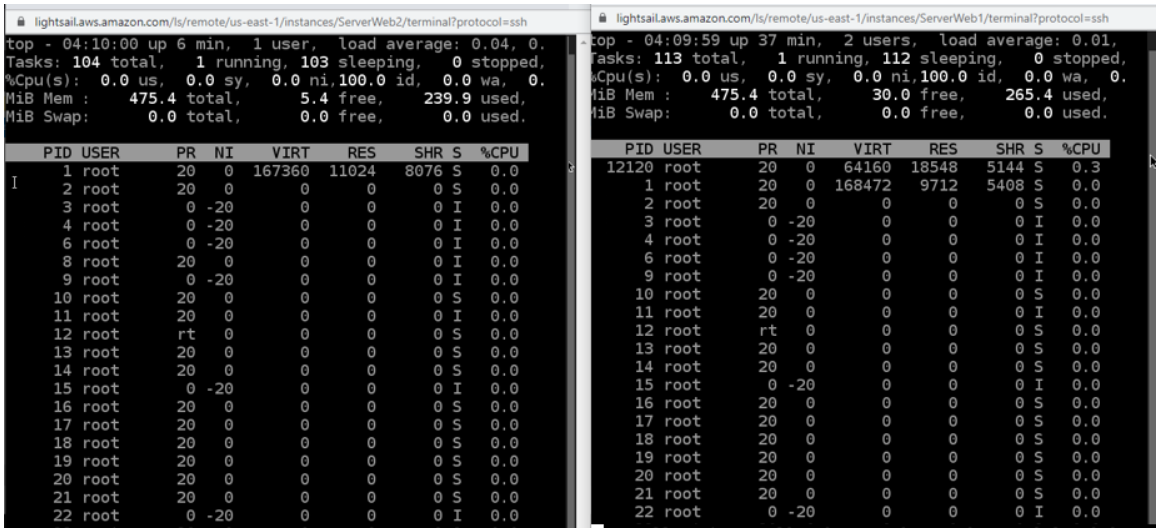
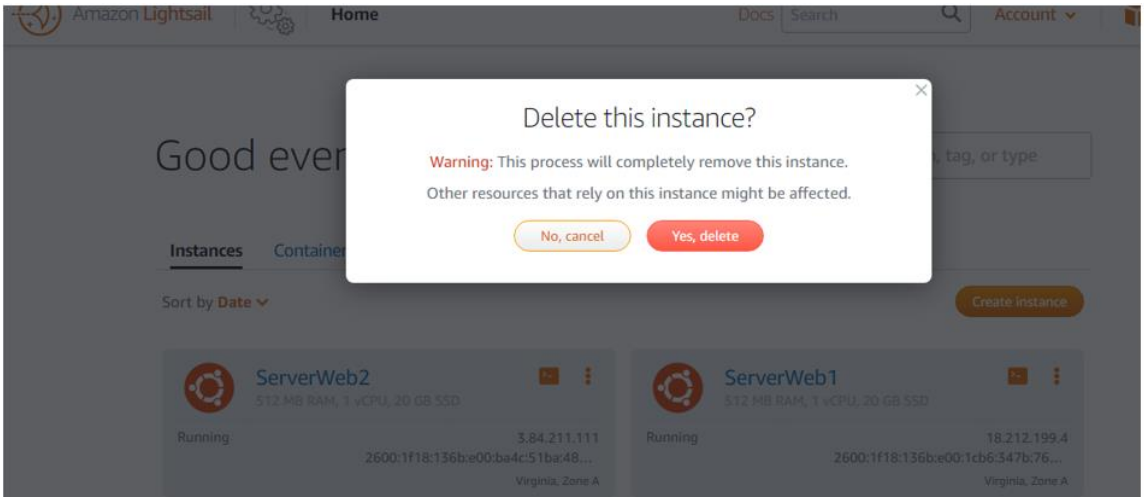
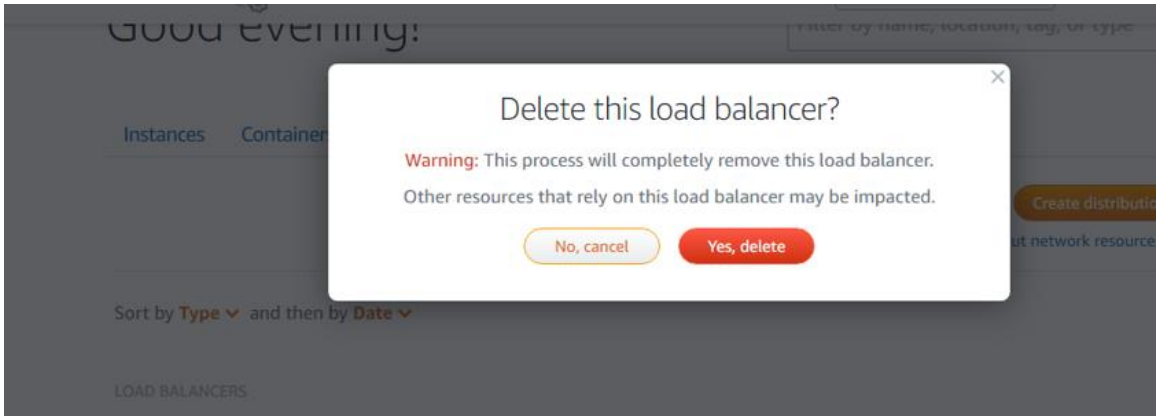


Image 16- here we used a top command in Linux, let us see the work load of both servers, here we separated the loads on two servers.





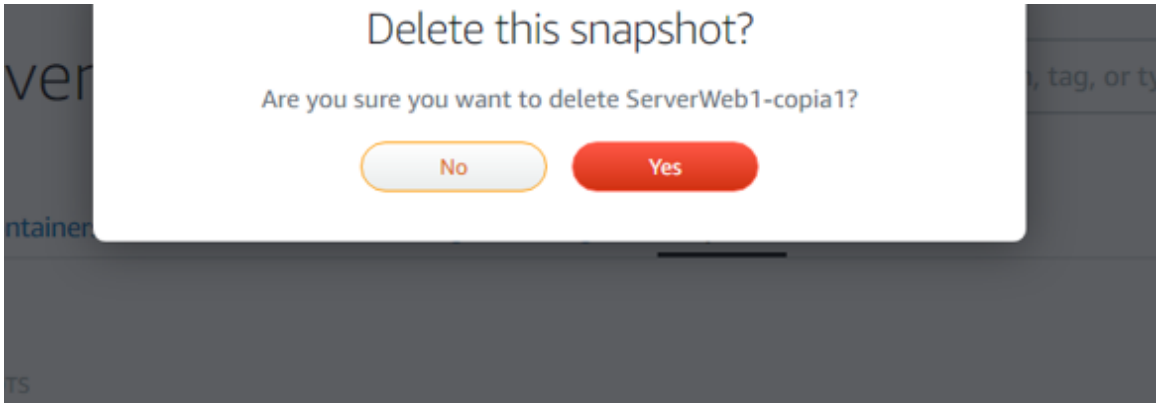


Image 17-

Here we simply delete every instance, secure the termination of load balancer and snapshots to secure that we are charged more money in the end of the month.