Universidad Modelo



Ingeniería en Desarrollo de Tecnología y Software

Asignatura: Fundamentos de la nube

Nombre del Profesor: Mtro. Alfredo José Bolio Domínguez

Nombre de la Actividad:

Actividad #1 Load balancer evidence

Alumno:

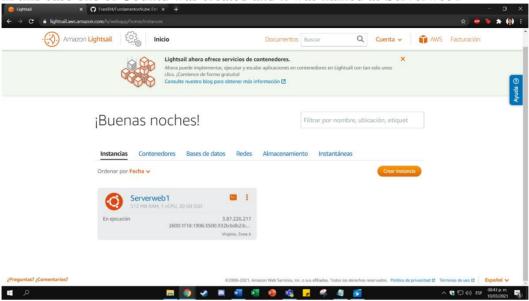
Francisco Iván Pérez Villalobos

Fecha de elaboración:

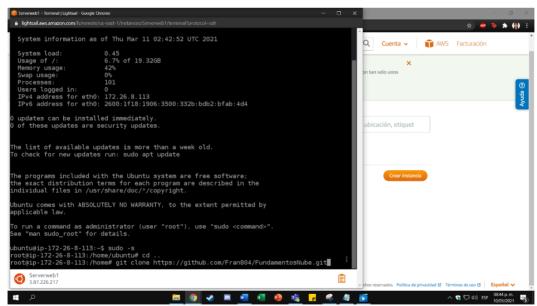
10/03/2021

Load balancer evidence

The first thing that must be done is the first instance of the processing for the web service, in this case one of Ubuntu was created and it was named as Serverweb1



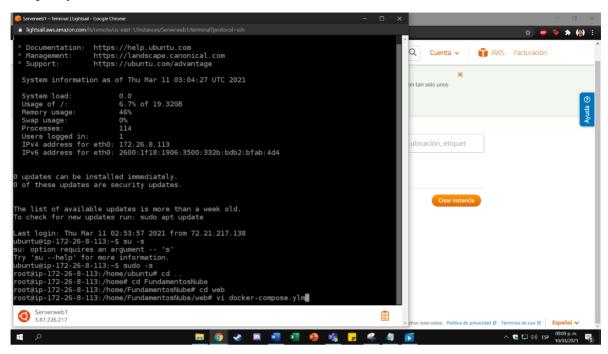
Afterwards, the instance console was opened to copy the repository of our files used previously to be able to reuse them in this practice.



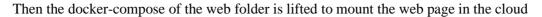
then install the docker-compose

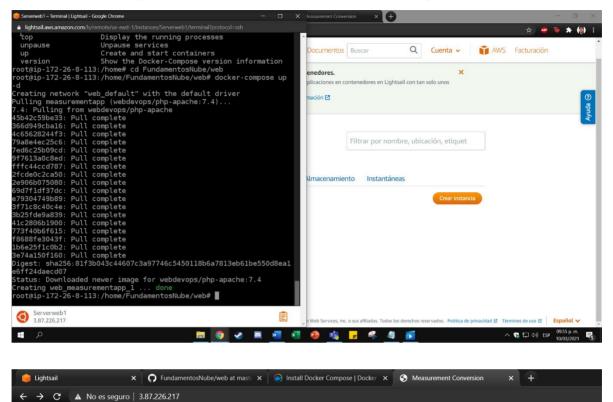
```
♠ lightsail.aws.amazon.com/ls/remote/us-east-1/instances/Serverweb1/terminal?protocol=ssh
                         gnupg-agent \
                              software-properties-common
curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo apt
-key add -
sudo apt-key fingerprint 0EBFCD88
sudo add-apt-repository \
           "deb [arch=amd64] https://download.docker.com/linux/ubu
ntu \
           $(lsb_release -cs) \
              stable"
sudo apt-get update
sudo apt-get install docker-ce docker-ce-cli containerd.io
#install docker compose
sudo curl -L "https://github.com/docker/compose/releases/download/
1.28.5/docker-compose-$(uname -s)-$(uname-m)" -0 /usr/local/bin/do
cker-compose
sudo chmod +x /usr/local/bin/docker-compose
sudo ln -s /usr/local/bin/docker-compose /usr/bin/docker-compose
<lldocker.sh" [New] 25L, 783C written</pre>
root@ip-172-26-8-113:/home# chmod +755 installdocker.sh
root@ip-172-26-8-113:/home# ls
FundamentosNube installdocker.sh ubuntu
root@ip-172-26-8-113:/home# 📕
```

Then you go to the previously downloaded folder of the github project to open the docker-compose.ylm file



And the port is changed to 80

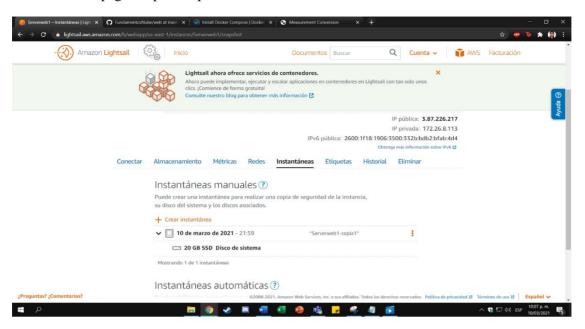




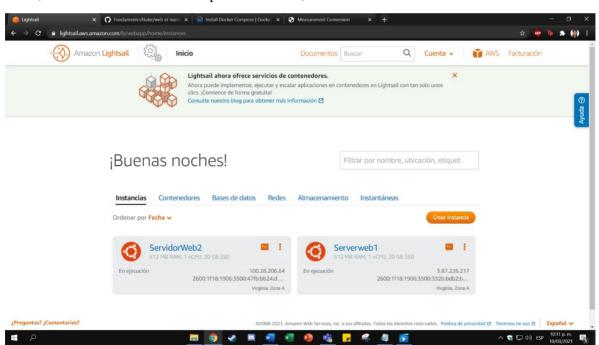
Measurement Conversion v1.0

- Length and Distance
- Area
 Volume and Capacity
- Mass and Weight
- Speed
- Temperature

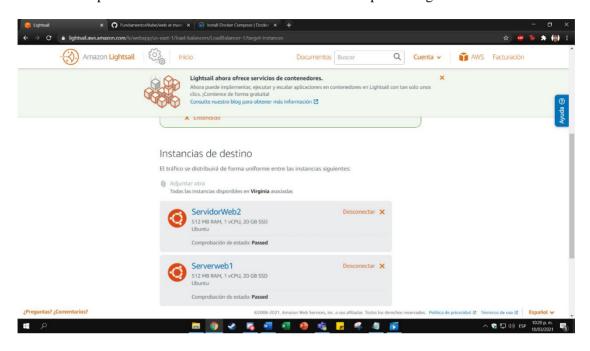
Once the web page is up, a snapshot of the instance is made



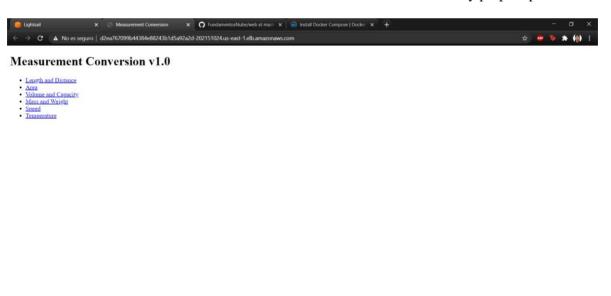
Now, an instance of that same snapshot is created, which we will name Webserver2



Now we will proceed to create a load balancer with the two processing instances.



The link or Dns of the load balancer is then accessed from the browser to verify proper operation.



And finally, the top command is executed in both instances to confirm that they are functional and there is no processing saturation.

