

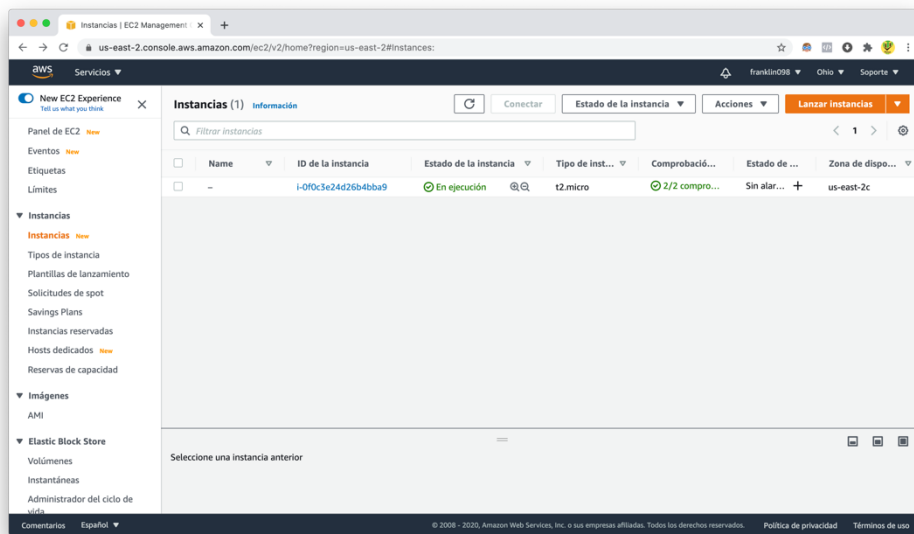
PRÁCTICA 1

Redes de Computadoras 2

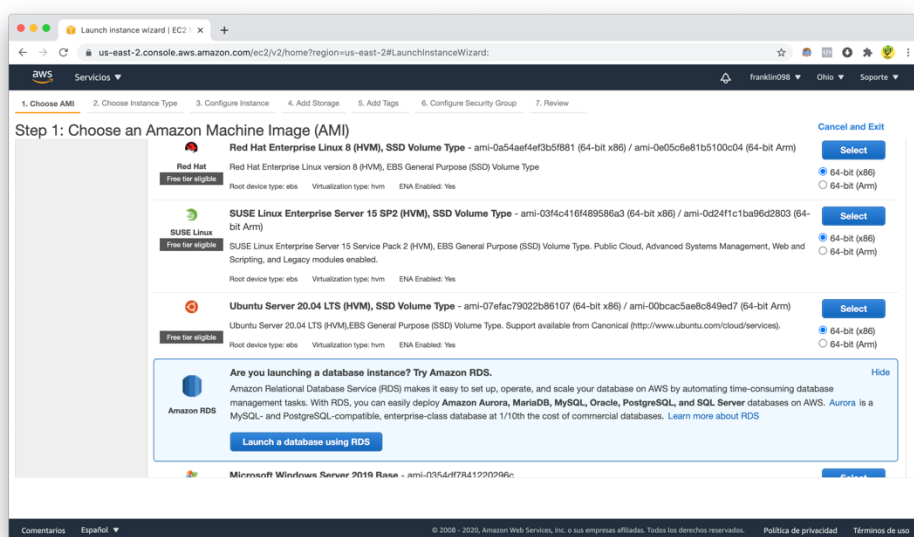
2do Semestre 2020

FRANKLIN VELÁSQUEZ 201602558

Creando instancia en EC2



Se eligió una imagen de Ubuntu



Configurando el Security Group, se habilitó de forma pública los puertos 80 y 8080, los más utilizados para peticiones HTTP por los servidores.

Step 6: Configure Security Group

A security group is a set of firewall rules that control the traffic for your instance. On this page, you can add rules to allow specific traffic to reach your instance. For example, if you want to set up a web server and allow Internet traffic to reach your instance, add rules that allow unrestricted access to the HTTP and HTTPS ports. You can create a new security group or select from an existing one below. [Learn more](#) about Amazon EC2 security groups.

Assign a security group: ☒ Create a new security group
☐ Select an existing security group

Security group name:

Description:

Type	Protocol	Port Range	Source	Description
SSH	TCP	22	Custom 0.0.0.0/0	e.g. SSH for Admin Desktop
Custom TCP	TCP	80	Anywhere 0.0.0.0/0, ::0	e.g. SSH for Admin Desktop
Custom TCP	TCP	8080	Anywhere 0.0.0.0/0, ::0	e.g. SSH for Admin Desktop

Add Rule

Warning
Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

Cancel Previous **Review and Launch**

Se creó la instancia y se procedió a conectarse a ella por medio de la temrinal ssh

Launch Status

✓ Your instances are now launching
The following instance launches have been initiated: [i-0c27b51b9f796b236](#) [View launch log](#)

ℹ Get notified of estimated charges
[Create billing alerts](#) to get an email notification when estimated charges on your AWS bill exceed an amount you define (for example, if you exceed the free usage tier).

How to connect to your instances

Your instances are launching, and it may take a few minutes until they are in the **running** state, when they will be ready for you to use. Usage hours on your new instances will start immediately and continue to accrue until you stop or terminate your instances.

Click **View Instances** to monitor your instances' status. Once your instances are in the **running** state, you can **connect** to them from the Instances screen. [Find out](#) how to connect to your instances.

▼ Here are some helpful resources to get you started

- [How to connect to your Linux instance](#)
- [Amazon EC2: User Guide](#)
- [Learn about AWS Free Usage Tier](#)
- [Amazon EC2: Discussion Forum](#)

While your instances are launching you can also

- [Create status check alarms](#) to be notified when these instances fail status checks. (Additional charges may apply)
- [Create and attach additional EBS volumes](#) (Additional charges may apply)
- [Manage security groups](#)

Comentarios Español

```
MacBookPro:Redes 2 franklinvelasquezfuentes$ ssh -i odo.pem ubuntu@ec2-3-17-193-98.us-east-2.compute.amazonaws.com
The authenticity of host 'ec2-3-17-193-98.us-east-2.compute.amazonaws.com (3.17.193.98)' can't be established.
ECDSA key fingerprint is SHA256:m+9Q8xLLkASftQkc/bMw2XGplvAoXeqFHCvm/y6MU0o.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added 'ec2-3-17-193-98.us-east-2.compute.amazonaws.com,3.17.193.98' (ECDSA) to the list of known hosts.
Welcome to Ubuntu 20.04.1 LTS (GNU/Linux 5.4.0-1024-aws x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

System information as of Mon Oct 26 16:05:11 UTC 2020

System load:  0.07          Processes:      101
Usage of /:   16.7% of 7.69GB Users logged in:  0
Memory usage: 20%          IPv4 address for eth0: 172.31.23.159
Swap usage:   0%

1 update can be installed immediately.
0 of these updates are security updates.
To see these additional updates run: apt list --upgradable

The list of available updates is more than a week old.
To check for new updates run: sudo apt update

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

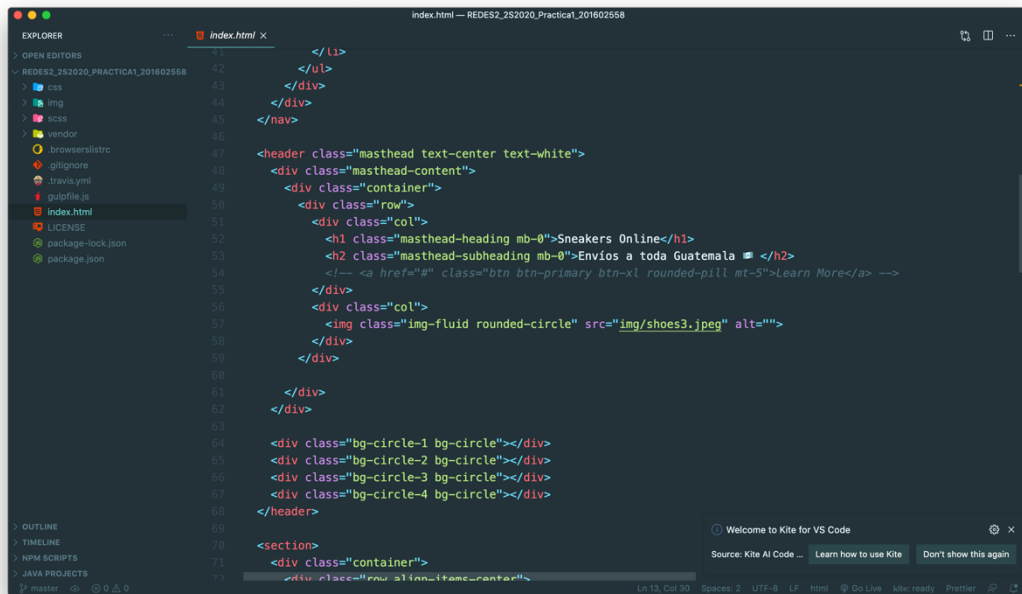
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ubuntu@ip-172-31-23-159:~$ x%
```

Se utilizó nodejs como servidor web, se instaló utilizando sudo apt install nodejs

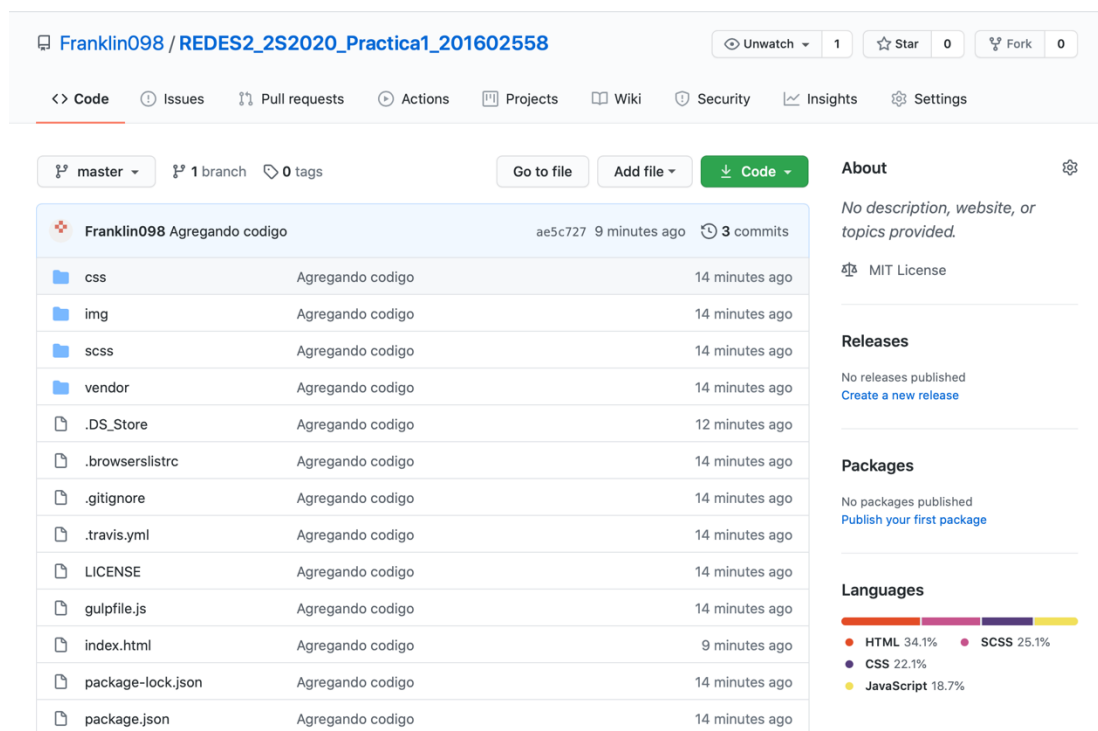
```
ubuntu@ip-172-31-23-159:~$ sudo apt install nodejs
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  libc-ares2 libnode64 nodejs-doc
Suggested packages:
  npm
The following NEW packages will be installed:
  libc-ares2 libnode64 nodejs nodejs-doc
0 upgraded, 4 newly installed, 0 to remove and 80 not upgraded.
Need to get 6807 kB of archives.
After this operation, 30.7 MB of additional disk space will be used.
Do you want to continue? [Y/n]
```

Se creó una página utilizando HTML, CSS y Javascript para crear la página web.



```
41 </li>
42 </ul>
43 </div>
44 </div>
45 </nav>
46
47 <header class="masthead text-center text-white">
48 <div class="masthead-content">
49 <div class="container">
50 <div class="row">
51 <div class="col">
52 <h1 class="masthead-heading mb-0">Sneakers Online</h1>
53 <h2 class="masthead-subheading mb-0">Envíos a toda Guatemala </h2>
54 <!-- <a href="#" class="btn btn-primary btn-xl rounded-pill mt-5">Learn More</a> -->
55 </div>
56 <div class="col">
57 
58 </div>
59 </div>
60 </div>
61 </div>
62 </div>
63
64 <div class="bg-circle-1 bg-circle"></div>
65 <div class="bg-circle-2 bg-circle"></div>
66 <div class="bg-circle-3 bg-circle"></div>
67 <div class="bg-circle-4 bg-circle"></div>
68
69 </header>
70
71 <section>
72 <div class="container">
73 <div class="row align-items-center">
```

Se utilizó github como repositorio



Franklin098 / REDES2_2S2020_Practica1_201602558

Unwatch 1 Star 0 Fork 0

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

master 1 branch 0 tags Go to file Add file Code

File	Commit	Time
Franklin098 Agregando codigo	ae5c727	9 minutes ago 3 commits
css	Agregando codigo	14 minutes ago
img	Agregando codigo	14 minutes ago
scss	Agregando codigo	14 minutes ago
vendor	Agregando codigo	14 minutes ago
.DS_Store	Agregando codigo	12 minutes ago
.browserslistrc	Agregando codigo	14 minutes ago
.gitignore	Agregando codigo	14 minutes ago
.travis.yml	Agregando codigo	14 minutes ago
LICENSE	Agregando codigo	14 minutes ago
gulpfile.js	Agregando codigo	14 minutes ago
index.html	Agregando codigo	9 minutes ago
package-lock.json	Agregando codigo	14 minutes ago
package.json	Agregando codigo	14 minutes ago

About

No description, website, or topics provided.

MIT License

Releases

No releases published

Create a new release

Packages

No packages published

Publish your first package

Languages

HTML 34.1% SCSS 25.1% CSS 22.1% JavaScript 18.7%

En la máquina virtual se utilizó git para copiar el repositorio de forma local

```
REDES2_2S2020_Practica1_201602558 — bash — 143x37
REDES2_2S2020_Practica1_201602558 ~ ssh -i /odo.pem ubuntu@ec2-3-17-193-98.us-east-2.compute.amazonaws.com
~/Documents/Tareas/Redes 2/REDES2_2S2020_Practica1_201602558 — bash
Contando objetos: 100% (62/62), listo.
Compresión delta usando hasta 8 hilos
Comprimiendo objetos: 100% (61/61), listo.
Escribiendo objetos: 100% (62/62), 2.39 MiB | 84.00 KiB/s, listo.
Total 62 (delta 13), reusado 0 (delta 0)
remote: Resolving deltas: 100% (13/13), done.
To https://github.com/Franklin098/REDES2_2S2020_Practica1_201602558.git
 * [new branch] master -> master
MacbookPro:REDES2_2S2020_Practica1_201602558 franklinvelasquezfuentes$ git add .
MacbookPro:REDES2_2S2020_Practica1_201602558 franklinvelasquezfuentes$ git commit -m "Agregando codigo"
[master 596607b] Agregando codigo
 2 files changed, 69 deletions(-)
 delete mode 100644 README.md
MacbookPro:REDES2_2S2020_Practica1_201602558 franklinvelasquezfuentes$ git push origin master
Enumerando objetos: 5, listo.
Contando objetos: 100% (5/5), listo.
Compresión delta usando hasta 8 hilos
Comprimiendo objetos: 100% (3/3), listo.
Escribiendo objetos: 100% (3/3), 389 bytes | 389.00 KiB/s, listo.
Total 3 (delta 2), reusado 0 (delta 0)
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
To https://github.com/Franklin098/REDES2_2S2020_Practica1_201602558.git
 596607b..ae5c727 master -> master
MacbookPro:REDES2_2S2020_Practica1_201602558 franklinvelasquezfuentes$ git add .
MacbookPro:REDES2_2S2020_Practica1_201602558 franklinvelasquezfuentes$ git commit -m "Agregando codigo"
[master ae5c727] Agregando codigo
 1 file changed, 1 insertion(+), 1 deletion(-)
MacbookPro:REDES2_2S2020_Practica1_201602558 franklinvelasquezfuentes$ git push origin master
Enumerando objetos: 5, listo.
Contando objetos: 100% (5/5), listo.
Compresión delta usando hasta 8 hilos
Comprimiendo objetos: 100% (3/3), listo.
Escribiendo objetos: 100% (3/3), 334 bytes | 334.00 KiB/s, listo.
Total 3 (delta 2), reusado 0 (delta 0)
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
To https://github.com/Franklin098/REDES2_2S2020_Practica1_201602558.git
 596607b..ae5c727 master -> master
MacbookPro:REDES2_2S2020_Practica1_201602558 franklinvelasquezfuentes$
```

Se procedió a iniciar el servidor http en el folder con el código fuente.

```
Redes 2 — ubuntu@ip-172-31-23-159: ~/REDES2_2S2020_Practica1_201602558 — ssh -i /odo.pem ubuntu@ec2-3-17-193-98.us-east-2.compute.amazonaws.com — 143x37
~/Documents/Tareas/Redes 2/REDES2_2S2020_Practica1_201602558 — bash
ubuntu@ip-172-31-23-159:~/REDES2_2S2020_Practica1_201602558$ git pull origin
Already up to date.
ubuntu@ip-172-31-23-159:~/REDES2_2S2020_Practica1_201602558$ git pull origin
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (1/1), done.
remote: Total 3 (delta 2), reused 3 (delta 2), pack-reused 0
Unpacking objects: 100% (3/3), 314 bytes | 314.00 KiB/s, done.
From https://github.com/Franklin098/REDES2_2S2020_Practica1_201602558
 596607b..ae5c727 master -> origin/master
Updating 596607b..ae5c727
Fast-forward
 index.html | 2 +-
 1 file changed, 1 insertion(+), 1 deletion(-)
ubuntu@ip-172-31-23-159:~/REDES2_2S2020_Practica1_201602558$ http-server &
[1] 13030
ubuntu@ip-172-31-23-159:~/REDES2_2S2020_Practica1_201602558$ Starting up http-server, serving ./
Available on:
  http://127.0.0.1:8080
  http://172.31.23.159:8080
Hit CTRL-C to stop the server
[Mon Oct 26 2020 16:16:35 GMT+0000 (Coordinated Universal Time)] "GET /" "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_2) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/86.0.4240.111 Safari/537.36"
```

Es posible ahora acceder a la página utilizándola IP pública

<http://3.17.193.98:8080/#>

