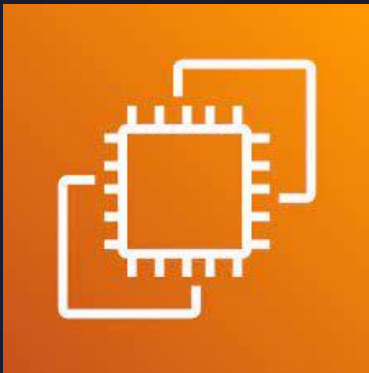


PRÁCTICAS DE LABORATORIO

Guillermina Antonaccio
Primer laboratorio EC2



TAREA 1:



En esta tarea había que lanzar una instancia EC2 y configurar ciertas características. Las cosas que realice en esta tarea fueron:

- 1-Nombré la instancia (Web Server)
 - 2-Elegí la AMI de Amazon Linux 2
 - 3-Seleccione una instancia (t3.micro)
 - 4-La configuración de llaves la deje por defecto
 - 5-En seguridad. Elegí una VPC, le di nombres al grupo de seguridad y a la descripción del mismo. También removí la opción de las solicitudes entrantes del grupo de seguridad.
 - 6-Añadí almacenamiento (8GB)
 - 7-Habilite la protección de terminación y copie un script a user data para que se configure un servidor web automáticamente.
-

Así se ve la instancia una vez configurada y lanzada:

The screenshot displays the AWS Management Console interface for the EC2 service. The left-hand navigation pane includes links to the EC2 Dashboard, Global View, Events, and a list of resources including Instances, Images, and Elastic Block Store. The main content area is titled 'Instances (1/1)' and features a search bar and a table of instances. A single instance, 'Web Server' with ID 'i-0f89ab46c91dc5fc4', is shown in a 'Running' state. Below the table, a detailed view for this instance is open, showing tabs for Details, Security, Networking, Storage, Status checks, Monitoring, and Tags. The 'Details' tab is active, displaying a summary of the instance's configuration, including its ID, public and private IP addresses, and its current state.

| Name | Instance ID | Instance state | Instance type | Status check | Alarm status | Availability Zone |
|------------|---------------------|----------------|---------------|--------------|--------------|-------------------|
| Web Server | i-0f89ab46c91dc5fc4 | Running | t3.micro | Initializing | No alarms | us-east-1a |

Instance: i-0f89ab46c91dc5fc4 (Web Server)

Details | Security | Networking | Storage | Status checks | Monitoring | Tags

Instance summary

| | | |
|----------------------------------|---|---|
| Instance ID | Public IPv4 address | Private IPv4 addresses |
| i-0f89ab46c91dc5fc4 (Web Server) | 34.239.136.163 open address | 172.31.42.237 |
| IPv6 address | Instance state | Public IPv4 DNS |
| - | Running | ec2-34-239-136-163.compute-1.amazonaws.com open address |

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TAREA 2:

La consigna era monitorear la instancia:

1-En Status check, observé que tuviera doble verificación System reachability e Instance reachability.

2-En la pestaña de monitoreo se pueden analizar los gráficos de uso de la EC2.

3-Por último saqué una screenshot a la instancia, la cual muestra la consola de la instancia de EC2 si estuviera conectada a una pantalla.

Status checks [Info](#)

Status checks detect problems that may impair i-0f89ab46c91dc5fc4 (Web Server) from running your applications.

System status checks

✔ System reachability check passed

Instance status checks

✔ Instance reachability check passed

Report the instance status if our checks do not reflect your experience with this instance or if they do not detect issues you are having.

[Report instance status](#)

Instance: i-0f89ab46c91dc5fc4 (Web Server)

CPU utilization (%) ⓘ ⋮

Percent



Status check failed (... ⓘ ⋮)

Count



Status check failed (... ⓘ ⋮)

Count



Screenshot de la consola de EC2

Booting 'Amazon Linux (6.1.55-75.123.amzn2023.x86_64) 2023'



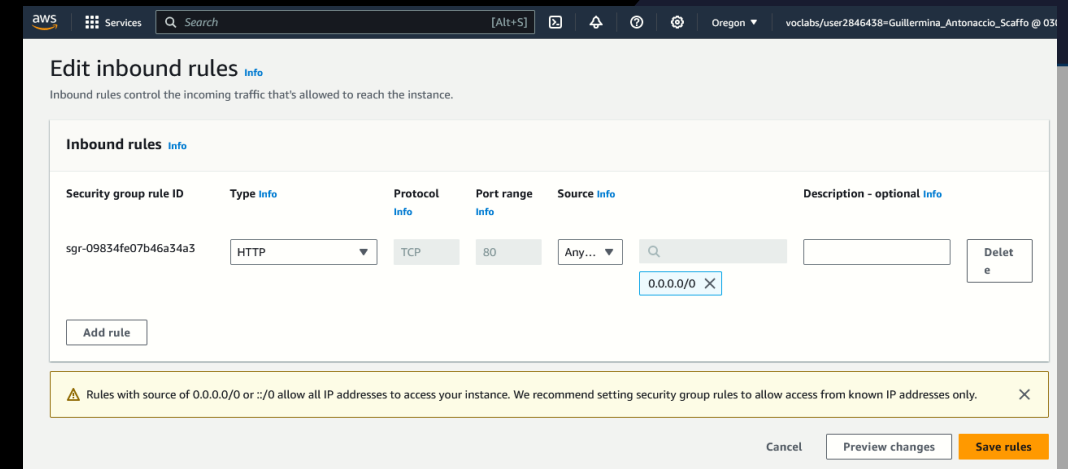
TAREA 3:

El objetivo de la tarea era actualizar los permisos de Security group y acceder al servidor web.

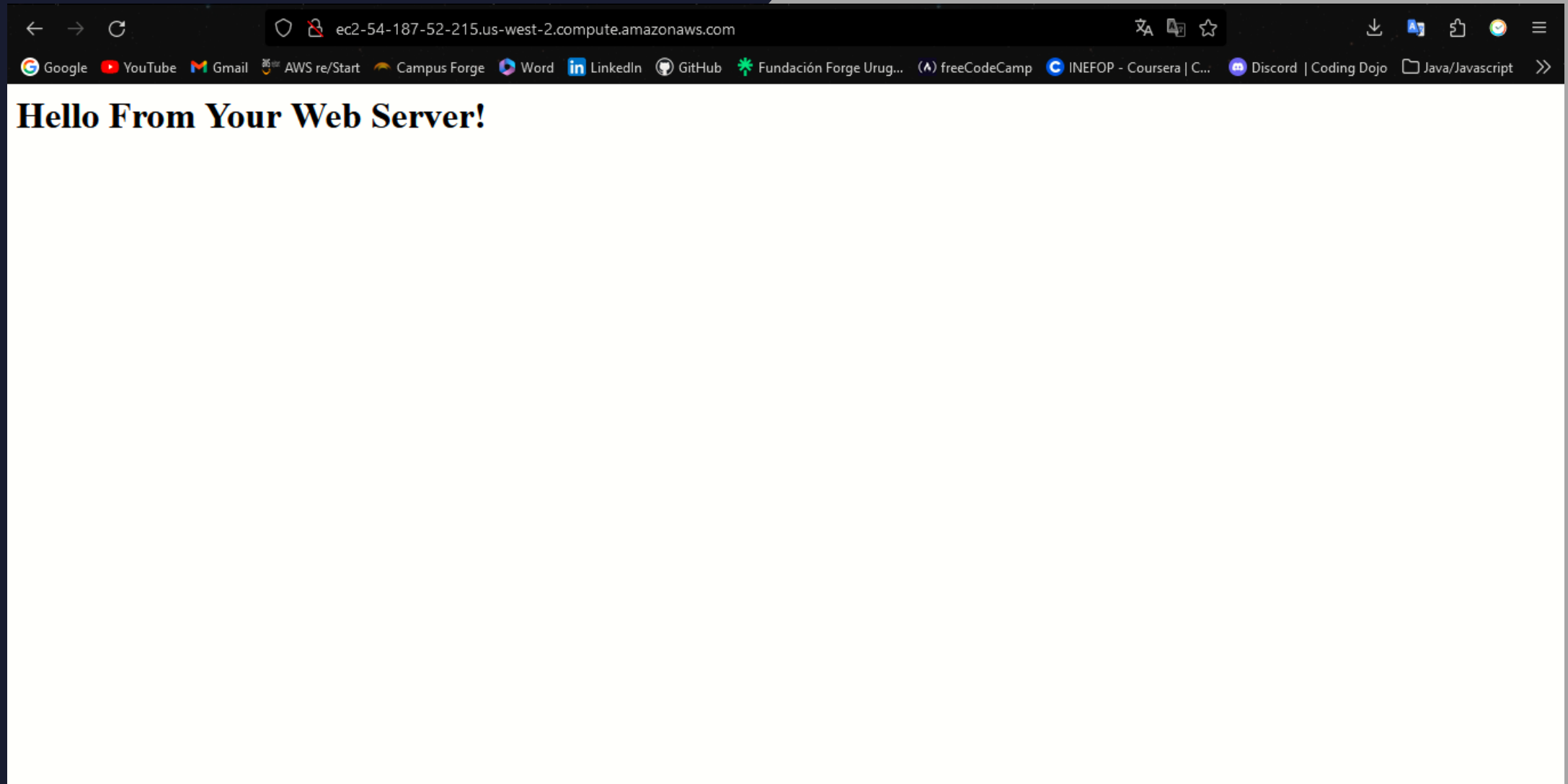
1-Edite los permisos de Security group para que deje acceder todo el tráfico entrante desde la web (Tráfico HTTP).

2-Copie la dirección de IP publica a mi navegador.

3-Probé si me dejaba entrar desde cualquier navegador y efectivamente se veía la página abierta.



Página abierta:



TAREA 4:

La consigna era cambiar el tamaño de la instancia:

1-Primero paré la instancia para poder cambiarla.

2-Luego en acciones, elegí una instancia t3.Small.

3-Modifiqué el volumen de EBS a 10GiB.

4-Inicié la instancia de nuevo y su tamaño y volumen cambiaron con éxito.

Change instance type [Info](#)

You can change the instance type only if the current instance type and the instance type that you want are compatible.

Instance ID
[i-0520fd4c7f033b468](#) (Web Server)

Current instance type
t3.micro

Instance type

☒ EBS-optimized
EBS-optimized is enabled by default for this instance type

[Cancel](#) [Apply](#)

[EC2](#) > [Volumes](#) > [vol-0f15b7fd3a3fce057](#) > [Modify volume](#)

Modify volume [Info](#)

Modify the type, size, and performance of an EBS volume.

Volume details

Volume ID
[vol-0f15b7fd3a3fce057](#)

Volume type [Info](#)

Size (GiB) [Info](#)

Min: 1 GiB, Max: 16384 GiB. The value must be an integer.

IOPS [Info](#)

Min: 3000 IOPS, Max: 16000 IOPS. The value must be an integer.

Instancia modificada:



aws Services Search [Alt+S] Oregon voclabs/user2846438=Guillermina_Antonaccio_Scaffo @ 0306-8283...

EC2 Dashboard X

EC2 Global View

Events

▼ Instances

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

▼ Images

AMIs

AMI Catalog

▼ Elastic Block Store

Instances (1/1) Info

Find instance by attribute or tag (case-sensitive)

Connect Instance state Actions Launch instances

| <input checked="" type="checkbox"/> | Name | Instance ID | Instance state | Instance type | Status check | Alarm status | Availability Zone |
|-------------------------------------|------------|---------------------|----------------|---------------|--------------|--------------|-------------------|
| <input checked="" type="checkbox"/> | Web Server | i-0520fd4c7f033b468 | Running | t3.small | - | No alarms + | us-west-2a |

Instance: i-0520fd4c7f033b468 (Web Server)

Filter block devices

| Volume ID | Device name | Volume size (GiB) | Attachment status | Attachment time | Encrypted | K |
|---------------------------------------|-------------|-------------------|-------------------|------------------------|-----------|---|
| vol-0f15b7fd3a3fce057 | /dev/xvda | 10 | Attached | 2023/10/19 13:04 GMT-3 | No | - |

Recent root volume replacement tasks

Filter tasks

Replace root volume

CloudShell Feedback

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TAREA 5:

La consigna de la tarea era testear el protocolo de terminación:

1-Primero fui a instancias-> Instance state, puse terminar instancia. Como esta activado el protocolo de terminación, la instancia no se terminó.

2-En el menú de actions -> **Instance settings** -> **Change termination protection** desactive la protección de terminación.

3-Luego volví a terminar la instancia y esta última logró acabar con éxito.

Instancia terminada exitosamente:

The screenshot displays the AWS Management Console interface. At the top, a green notification banner states "Successfully terminated i-0520fd4c7f033b468". Below this, the "Instances" page is shown with a table containing one instance: "Web Server" with ID "i-0520fd4c7f033b468" and state "Shutting-d...". The instance details for "Web Server" are expanded, showing a single block device: "vol-0f15b7fd3a3fce057" attached to "/dev/xvda" with a size of 10 GiB and status "Attached". The console footer includes the AWS logo, "CloudShell", "Feedback", and copyright information for Amazon Web Services, Inc. or its affiliates.

aws Services Search [Alt+S] Oregon voclabs/user2846438=Guillermina_Antonaccio_Scaffo @ 0306-8283...

EC2 Dashboard X

EC2 Global View

Events

▼ Instances

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

▼ Images

AMIs

AMI Catalog

▼ Elastic Block Store

Notifications 0 0 2 0 0

Instances (1/1) Info

Find instance by attribute or tag (case-sensitive)

| <input checked="" type="checkbox"/> | Name | Instance ID | Instance state | Instance type | Status check | Alarm status | Availability Zone |
|-------------------------------------|------------|---------------------|----------------|---------------|--------------|--------------|-------------------|
| <input checked="" type="checkbox"/> | Web Server | i-0520fd4c7f033b468 | Shutting-d... | t3.small | - | No alarms + | us-west-2a |

Instance: i-0520fd4c7f033b468 (Web Server)

Filter block devices

| Volume ID | Device name | Volume size (GiB) | Attachment status | Attachment time | Encrypted | K |
|---------------------------------------|-------------|-------------------|-------------------|------------------------|-----------|---|
| vol-0f15b7fd3a3fce057 | /dev/xvda | 10 | Attached | 2023/10/19 13:04 GMT-3 | No | - |

▼ Recent root volume replacement tasks

Filter tasks

Replace root volume

CloudShell Feedback

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A solid orange square.

Gracias