Creamos la instancia y nos conectamos a ella.
Tras esto, actualizamos los repositorios.

```
ubuntu@ip-172-31-29-22:~$ sudo apt update
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble InRelease
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates I
nRelease [126 kB]
```

```
ubuntu@ip-172-31-29-22:~$ sudo apt upgrade
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Calculating upgrade... Done
```

Instalamos los certificados.

```
ubuntu@ip-172-31-29-22:~$ sudo apt install ca-certificates curl gnupg lsb-release
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
ca-certificates is already the newest version (20240203).
ca-certificates set to manually installed.
curl is already the newest version (8.5.0-2ubuntu10.6).
curl set to manually installed.
gnupg is already the newest version (2.4.4-2ubuntu17.3).
gnupg set to manually installed.
lsb-release is already the newest version (12.0-2).
lsb-release set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 12 not upgraded.
```

Descargamos la imagen de docker

```
ubuntu@ip-172-31-29-22:~$ sudo mkdir -p /etc/apt/keyrings/
ubuntu@ip-172-31-29-22:~$ curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo gpg --dearmor -
o /etc/apt/keyrings/docker.gpg
```

Ejecutamos la imagen.

```
ubuntu@ip-172-31-29-22:~$ echo "deb [arch=$(dpkg --print-architecture) signed-by=/etc/apt/keyrings/docke
r.gpg] https://download.docker.com/linux/ubuntu $(lsb_release -cs) stable" | sudo tee /etc/apt/sources.l
ist.d/docker.list > /dev/null
```

Volvemos a actualizar los repositorios.

```
ubuntu@ip-172-31-29-22:~$ sudo apt update
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble InRelease
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
```

Instalamos el docker.

```
ubuntu@ip-172-31-29-22:~$ sudo apt install docker-ce docker-ce-cli containerd.io docker-compose-plugin
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  docker-buildx-plugin docker-ce-rootless-extras libslirp0 pigz slirp4netns
Suggested packages:
  cgroupfs-mount | cgroup-lite docker-model-plugin
The following NEW packages will be installed:
```

```
ubuntu@ip-172-31-29-22:~$ sudo docker ps
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS     NAMES
```

Le damos permisos al usuario para el grupo sudoers

```
ubuntu@ip-172-31-29-22:~$ sudo usermod -aG docker ${USER}
```

Instalamos apache2

```
ubuntu@ip-172-31-29-22:~$ sudo apt-get install apache2
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  apache2-bin apache2-data apache2-utils libapr1t64 libaprutil1-dbd-sqlite3 libaprutil1-ldap
  libaprutil1t64 liblua5.4-0 ssl-cert
Suggested packages:
```

Creamos el repositorio docker

```
ubuntu@ip-172-31-29-22:~$ sudo docker run -it --name Web -p 8080:80 ubuntu:22.04 /bin/bash
Unable to find image 'ubuntu:22.04' locally
22.04: Pulling from library/ubuntu
af6eca94c810: Pull complete
Digest: sha256:09506232a8004baa32c47d68f1e5c307d648fdd59f5e7eaa42aaf87914100db3
Status: Downloaded newer image for ubuntu:22.04
```

Actualizamos los repositorios y volvemos a instalar apache2 dentro del contenedor docker.

```
root@82d2928af16a:/# apt install apache2
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
```

Agregamos la regla para HTTP con el puerto 80, en los grupos de seguridad de nuestra instancia en AWS.

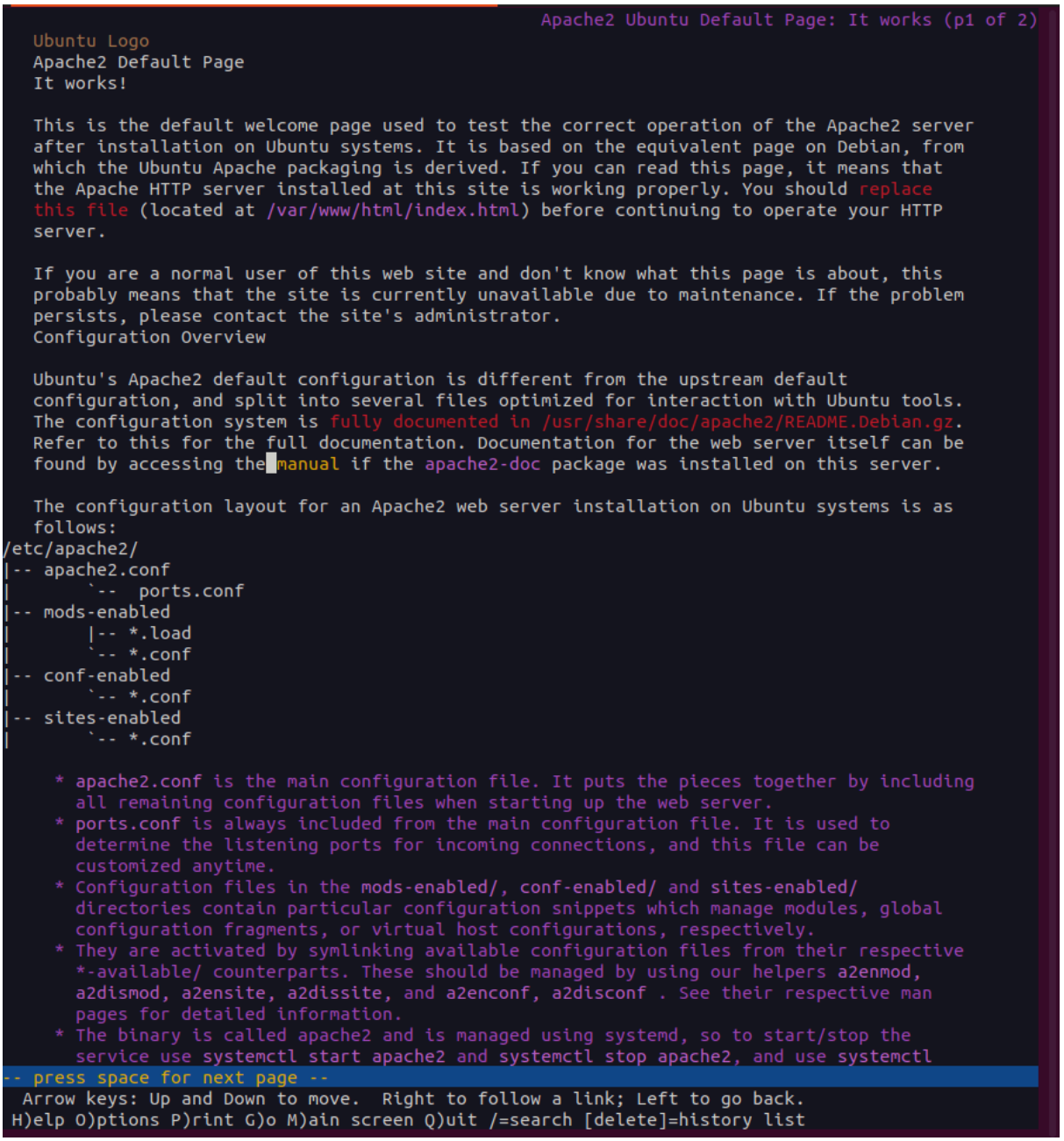
Iniciamos el servicio apache con el siguiente comando:
service apache2 start
Y si entramos en el navegador con la IP pública de la instancia, podremos ver apache.

Instalamos el servicio lynx

```
ubuntu@ip-172-31-29-22:~$ sudo apt-get install lynx -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  bzip2 lynx-common mailcap
Suggested packages:
```

Abrimos el servidor apache, con el comando lynx y la IP pública de nuestro servidor.

```
ubuntu@ip-172-31-29-22:~$ lynx http://54.242.241.140/
```



Cambiamos el HTML indicando el nombre.

```
root@82d2928af16a:/# echo "Marcos Garcia Rodriguez" > /var/www/html/index.
html
```