

Ejercicio 2 Almacenamiento - Portainer

Carlota Menéndez Álvarez

Ejercicio 2 Almacenamiento - Portainer

Instalación Portainer

Instalación Portainer

Inicialmente deberé instalar en mi maquina virtual el docker compose:

```
sudo apt install docker-compose
```

Una vez realizado este paso deberemos crear el directorio donde se alojará y editar este fichero.

```
daw@daw-docker:~$ mkdir -p docker/portainer
daw@daw-docker:~$ cd docker/portainer
daw@daw-docker:~/docker/portainer$ nano docker/portainer/
```

El fichero contendrá lo siguiente:

```
GNU nano 6.2 docker-compose.yml *
version: '3'

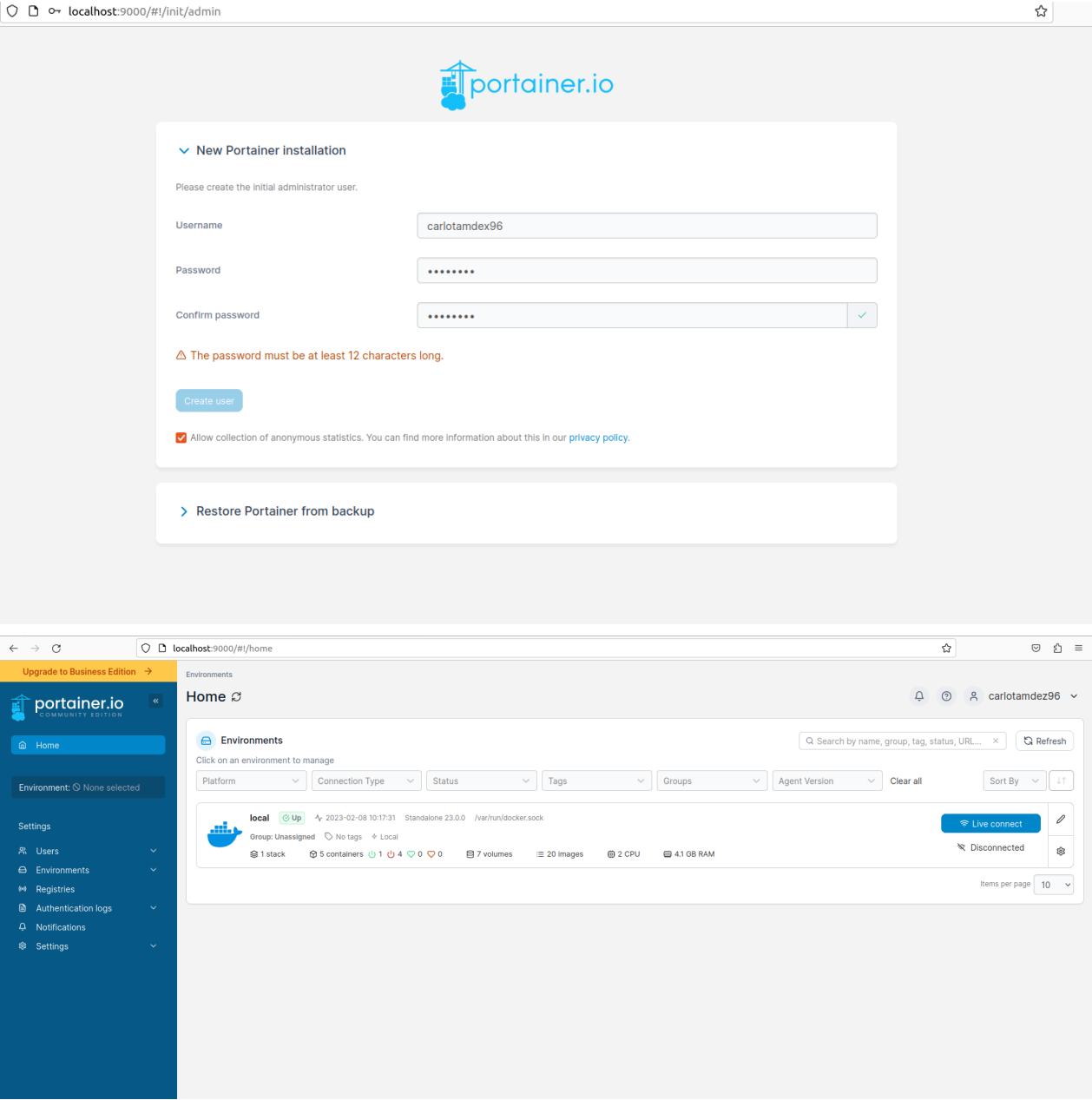
services:
  portainer:
    image: portainer/portainer-ce:latest
    container_name: portainer
    restart: unless-stopped
    security_opt:
      - no-new-privileges:true
    volumes:
      - /etc/localtime:/etc/localtime:ro
      - /var/run/docker.sock:/var/run/docker.sock:ro
      - ./portainer-data:/data
    ports:
      - 9000:9000
```

Ponemos en marcha el contenedor usando Docker Compose

```
docker-compose up -p
```

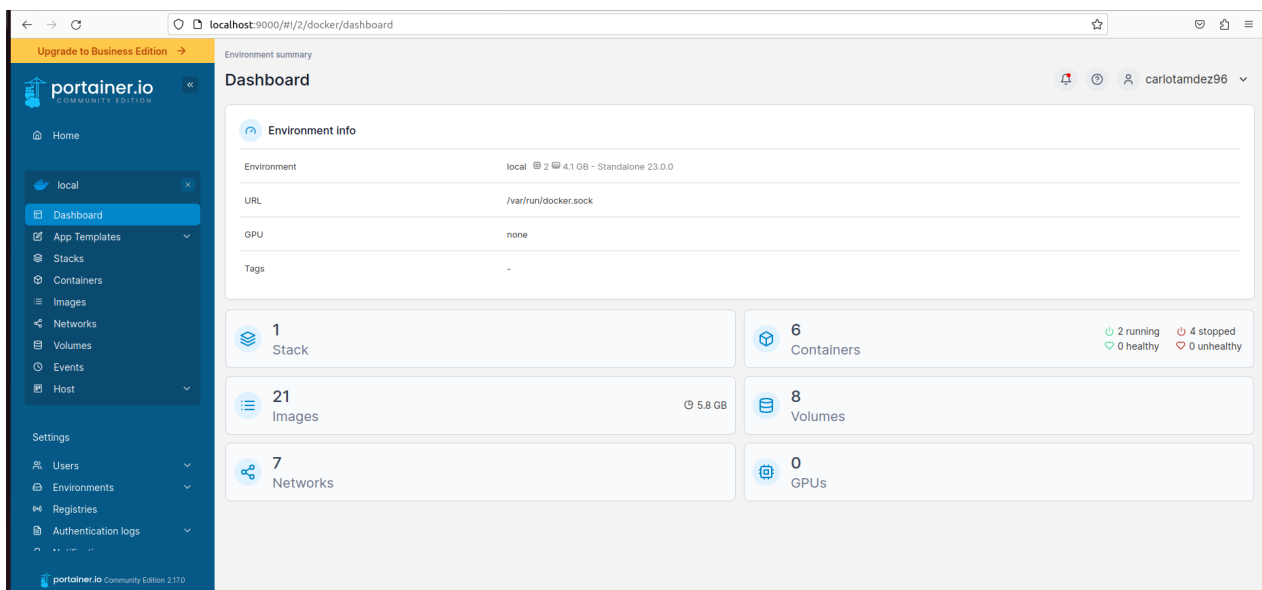
```
daw@daw-docker:~/docker/portainer$ nano docker-compose.yml
daw@daw-docker:~/docker/portainer$ docker-compose up -d
Creating network "portainer_default" with the default driver
Pulling portainer (portainer/portainer-ce:latest)...
latest: Pulling from portainer/portainer-ce
772227786281: Pull complete
96fd13befc87: Pull complete
448a29b97b45: Downloading [>
1.081MB/81.86MBiting
```

En el navegador accedemos al servicio Portainer que tenemos en ejecución en Docker:

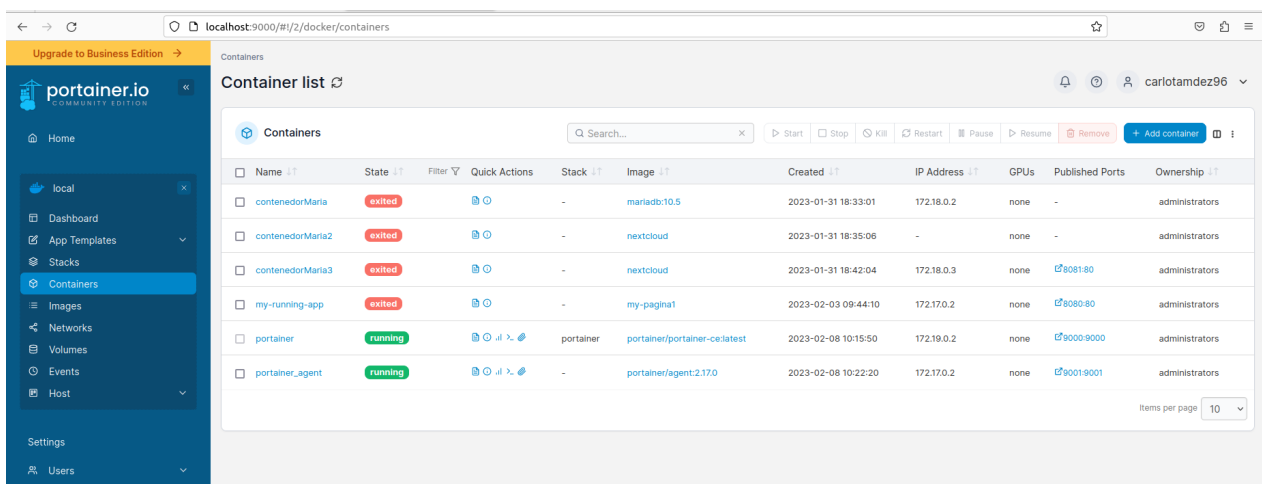


Operaciones sobre contenedores

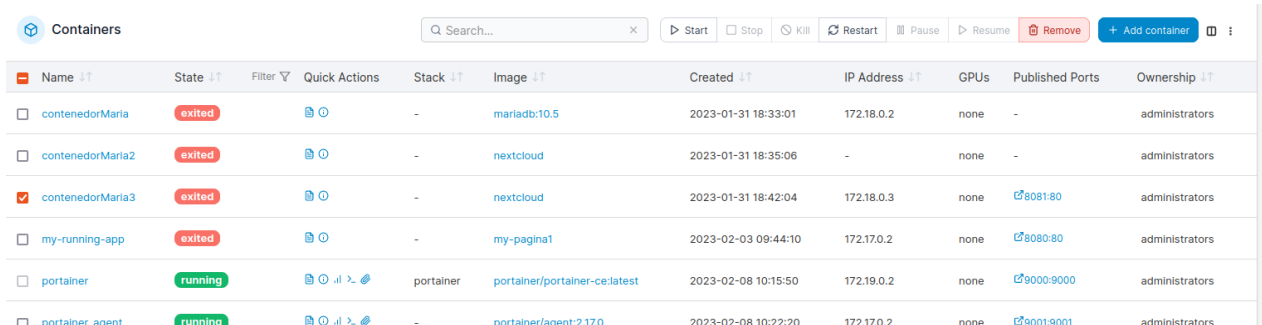
Situación actual de mi máquina



- Muestro los contenedores que tengo



Borro un contenedor:



- Muestro las redes que tengo

Upgrade to Business Edition →

portainer.io

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Home

local

Dashboard

App Templates

Stacks

Containers

Images

Networks

Volumes

Events

Host

Settings

Users

Environments

Registries

Networks

Network list

Networks

Search for a network...

Remove

Add network

	Name	Stack	Driver	Attachable	IPAM Driver	IPv4 IPAM Subnet	IPv4 IPAM Gateway	IPv6 IPAM Subnet	IPv6 IPAM Gateway	Ownership
<input type="checkbox"/>	bridge	System	-	bridge	false	default	172.17.0.0/16	172.17.0.1	-	public
<input type="checkbox"/>	host	System	-	host	false	default	-	-	-	public
<input type="checkbox"/>	none	System	-	null	false	default	-	-	-	public
<input type="checkbox"/>	portainer_default	portainer	bridge	true	default	172.19.0.0/16	172.19.0.1	-	-	administrators
<input type="checkbox"/>	red1	-	bridge	false	default	172.28.0.0/16	172.28.0.1	-	-	administrators
<input type="checkbox"/>	red2	-	bridge	false	default	172.23.0.0/16	172.23.0.1	-	-	administrators
<input type="checkbox"/>	redNueva	-	bridge	false	default	172.18.0.0/16	172.18.0.1	-	-	administrators

Items per page 10

Operación de borrado de una red:

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COMMUNITY EDITION

Home

local

Dashboard

App Templates

Stacks

Containers

Images

Networks

Volumes

Events

Host

Settings

Users

Environments

Registries

Authentication logs

Networks > redNueva

Network details

Network details

Name	redNueva
Id	59e27ceec94363e3c6e80520c79b0fd2a653ccea1543a34d11b312e9da6d7a6e <div>Delete this network</div>
Driver	bridge
Scope	local
Attachable	false
Internal	false
IPv4 Subnet - 172.18.0.0/16	IPv4 Gateway - 172.18.0.1
IPv4 IP Range	IPv4 Excluded IPs

Access control

Ownership	administrators
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Change ownership

Muestro los contenedores que tienen una red concreta:

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COMMUNITY EDITION

Home

local

Dashboard

App Templates

Stacks

Containers

Images

Networks

Volumes

Events

Host

Settings

Users

Environments

Registries

Authentication logs

localhost:9000/#/2/docker/networks/1787dcfd96b2e5b2379e796205135c476607b63a4cb2ce0d52c47fba9fb2261f

Network details

Network details

Name	portainer_default
Id	1787dcfd96b2e5b2379e796205135c476607b63a4cb2ce0d52c47fba9fb2261f <div>Delete this network</div>
Driver	bridge
Scope	local
Attachable	true
Internal	false
IPv4 Subnet - 172.19.0.0/16	IPv4 Gateway - 172.19.0.1
IPv4 IP Range	IPv4 Excluded IPs

Access control

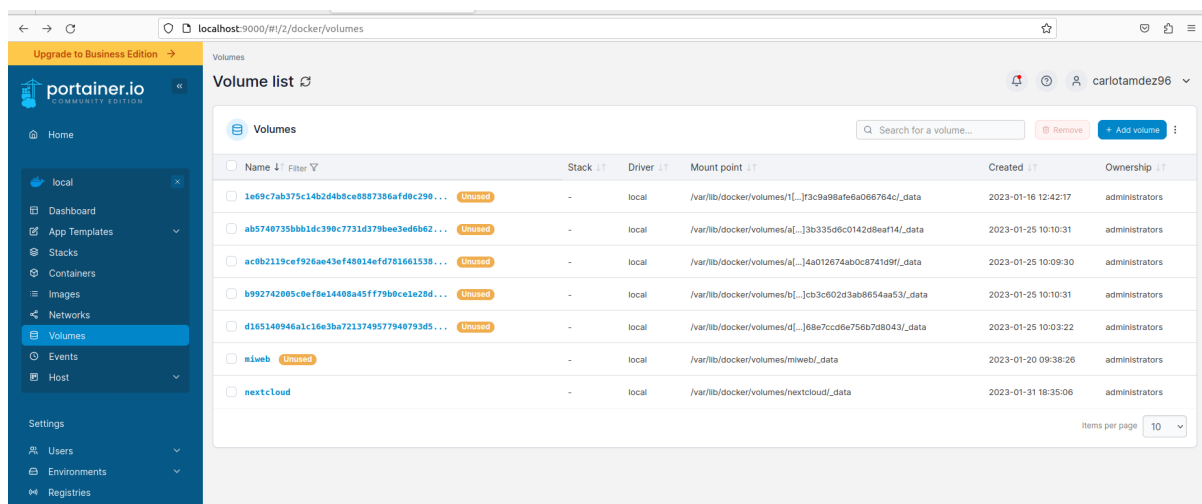
Ownership	administrators
-----------	----------------

Change ownership

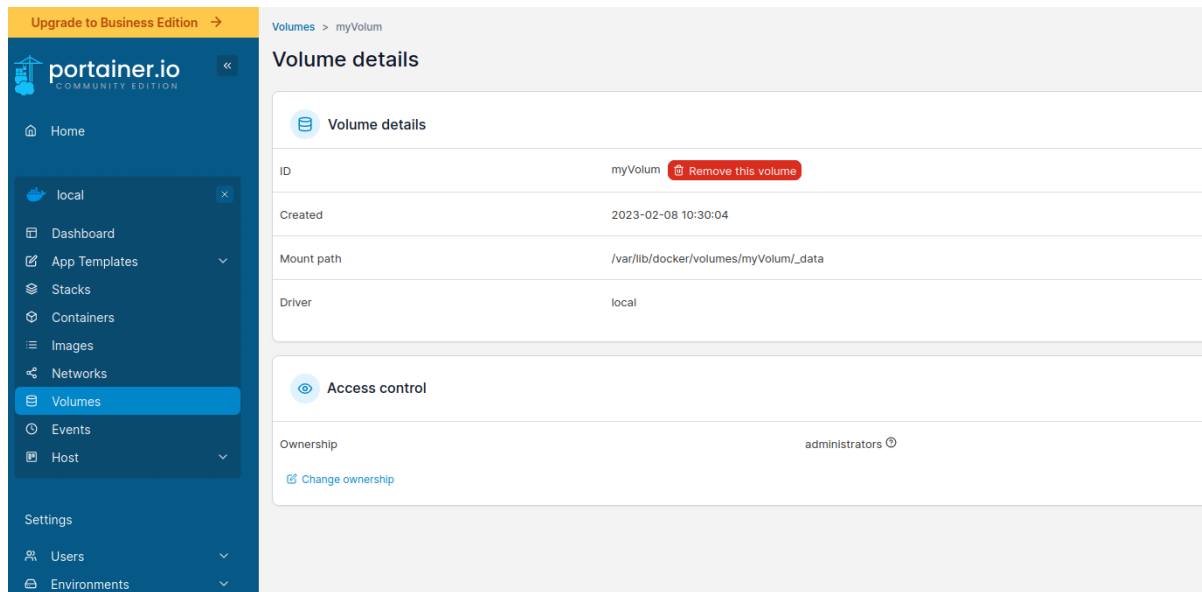
Containers in network

Container Name	IPv4 Address	IPv6 Address	MacAddress	Actions
portainer	172.19.0.2/16	-	02:42:ac:13:00:02	<div>Leave Network</div>

- Muestro los volúmenes



Creo un volumen nuevo:



Muestro los volúmenes que tiene un contenedor concreto, el de portainer en este caso:

