

# Ejercicio 2 - Portainer

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## Ejercicio 2 - Portainer

[Enunciado](#)

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### Enunciado

Utiliza una imagen de 'Portainer' para gestionar Docker. Documenta la aplicación, su puesta en funcionamiento y realiza capturas de varias operaciones, por ejemplo:

- Muestra contenedores activos, para un contenedor, borra un contenedor
- Muestra alguna operación con redes Docker
- Muestra alguna operación con volúmenes Docker

### Capturas de Pantalla

- (1)


```
$ docker run -d -p 9000:9000 --name portainer -v /var/run/docker.sock:/var/run/docker.sock portainer/portainer
```

```
cliente@clientedocker:~$ docker run -d -p 9000:9000 --name portainer -v /var/run/docker.sock:/var/run/docker.sock portainer/portainer
d09f83766e86c5120be366158224c5d75ad014ca46abec594728ab0de9e11c00
cliente@clientedocker:~$ docker ps
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS
d09f83766e86   portainer/portainer  "/portainer"           About a minute ago  Up About a minute  8000/tcp, 9443/tcp, 0.0.0.0:9000->9000/tcp, :::9000->9000/tcp
cliente@clientedocker:~$
```

- (2)

localhost:9000/#!/init/admin

☆

 portainer.io

▼ New Portainer installation

Please create the initial administrator user.

Username

admin

Password

Confirm password

✖


⚠ The password must be at least 12 characters long.

Create user

☒ Allow collection of anonymous statistics. You can find more information about this in our [privacy policy](#).

> Restore Portainer from backup

- Muestra contenedores activos, para un contenedor, borra un contenedor



local up 2024-02-26 09:35:32

0 stacks

8 containers

1 running

7 stopped

0 healthy

0 unhealthy

10 volumes


9 images

2 CPU

2.1 GB RAM

0 GPU

No tags



8  
Containers

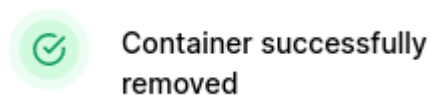
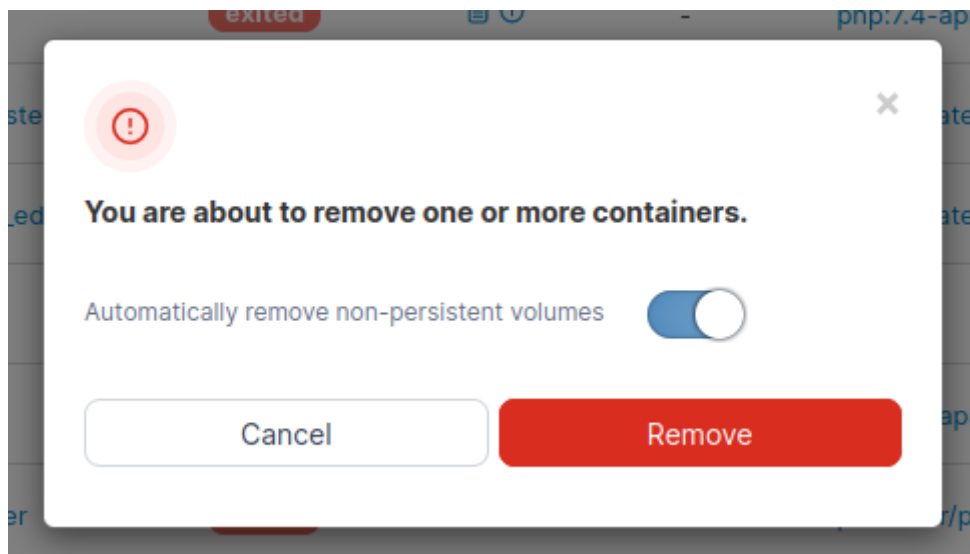
1 running

0 healthy

0 stopped

0 unhealthy





- **Muestra alguna operación con redes Docker**

- Crear una red

Networks > Add network

### Create network

Name: temporal

Driver configuration

Driver: bridge

Driver options ?

+ Add driver option

---

Networks

### Network list

Search for a network...

Remove Add network

	Name ↓↑	Stack ↓↑	Driver ↓↑	Attachable ↓↑	IPAM Driver ↓↑	IPV4 IPAM Subnet ↓↑
<input type="checkbox"/>	bridge System	-	bridge	false	default	172.18.0.0/16
<input type="checkbox"/>	host System	-	host	false	default	-
<input type="checkbox"/>	none System	-	null	false	default	-
<input type="checkbox"/>	temporal	-	bridge	false	default	172.20.0.0/16

**Success**  
Network successfully created

- Consultar detalles de red

Networks > temporal

## Network details

admin

**Network details**

Name	temporal
Id	59b325a0403a96bfdbf337181ee3e2cd2b93f21913ec85f632103358483123a6 <a href="#">Delete this network</a>
Driver	bridge
Scope	local
Attachable	false
Internal	false
IPv4 Subnet - 172.20.0.0/16	IPv4 Gateway - 172.20.0.1
IPv4 IP Range	IPv4 Excluded IPs

- Borrar una red

Networks

## Network list

Network successfully removed temporal

**Networks**  [Remove](#) [+ Add network](#)

<input type="checkbox"/>	Name ↓↑	Stack ↓↑	Driver ↓↑	Attachable ↓↑	IPAM Driver ↓↑	IPv4 IPAM Subnet ↓↑	IPv4 IPAM Gateway ↓↑	IPv6 IPAM S
<input type="checkbox"/>	bridge <b>System</b>	-	bridge	false	default	172.18.0.0/16	172.18.0.1	-
<input type="checkbox"/>	host <b>System</b>	-	host	false	default	-	-	-
<input type="checkbox"/>	none <b>System</b>	-	null	false	default	-	-	-

- Muestra alguna operación con volúmenes Docker

- Crea un volumen

Volumes > Add volume

## Create volume

Name

Driver configuration

Driver

Volumes

Volume list

Volumes

Remove

Add volume

<input type="checkbox"/>	Name	Stack	Driver	Mount point	Created
<input type="checkbox"/>	266342dc7cfa382914554fca74c56619d1f03...	-	local	/var/lib/docker/volumes/2[...]9adaeb6cc3f4df0cc02/_data	2024-02-21
<input type="checkbox"/>	a00c48ced60a423629ca8fa5c1d4b95adc175...	-	local	/var/lib/docker/volumes/a[...]7976a0f06353c7c1116/_data	2024-02-21
<input type="checkbox"/>	cb06ccc6f67b9c5e9ca5828b8416835f4c0f2...	-	local	/var/lib/docker/volumes/c[...]417d4315f2fc9a20842/_data	2024-02-26
<input type="checkbox"/>	cc8e9dd68363ef6cd1d60c555d34cbab8c15f...	-	local	/var/lib/docker/volumes/c[...]c3b55672d2cb164c9d6/_data	2024-02-21
<input type="checkbox"/>	miweb	-	local	/var/lib/docker/volumes/miweb/_data	2024-02-02
<input type="checkbox"/>	volTemporal <span>Unused</span>	-	local	/var/lib/docker/volumes/volTemporal/_data	2024-02-26

Success

Volume successfully created

- Consulta detalles de volumen

Volumes > volTemporal

Volume details admin

Volume details

ID

volTemporal Remove this volume

Created

2024-02-26 10:05:46

Mount path

/var/lib/docker/volumes/volTemporal/\_data

Driver

local

Access control

Ownership

administrators

Change ownership

- Elimina un volumen

Are you sure?

Do you want to remove the selected volume(s)?

Cancel

Remove

Volume successfully removed

volTemporal