

# Ejercicio 2 - almacenamiento - Portainer - opción 1

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## Ejercicio 2 - almacenamiento - Portainer - opción 1

Utilizaza una imagen de 'Portainer' para gestionar Docker. Debes crear un volumen para la persistencia de los datos.

Muestra contenedores activos, para un contenedor, borra un contenedor

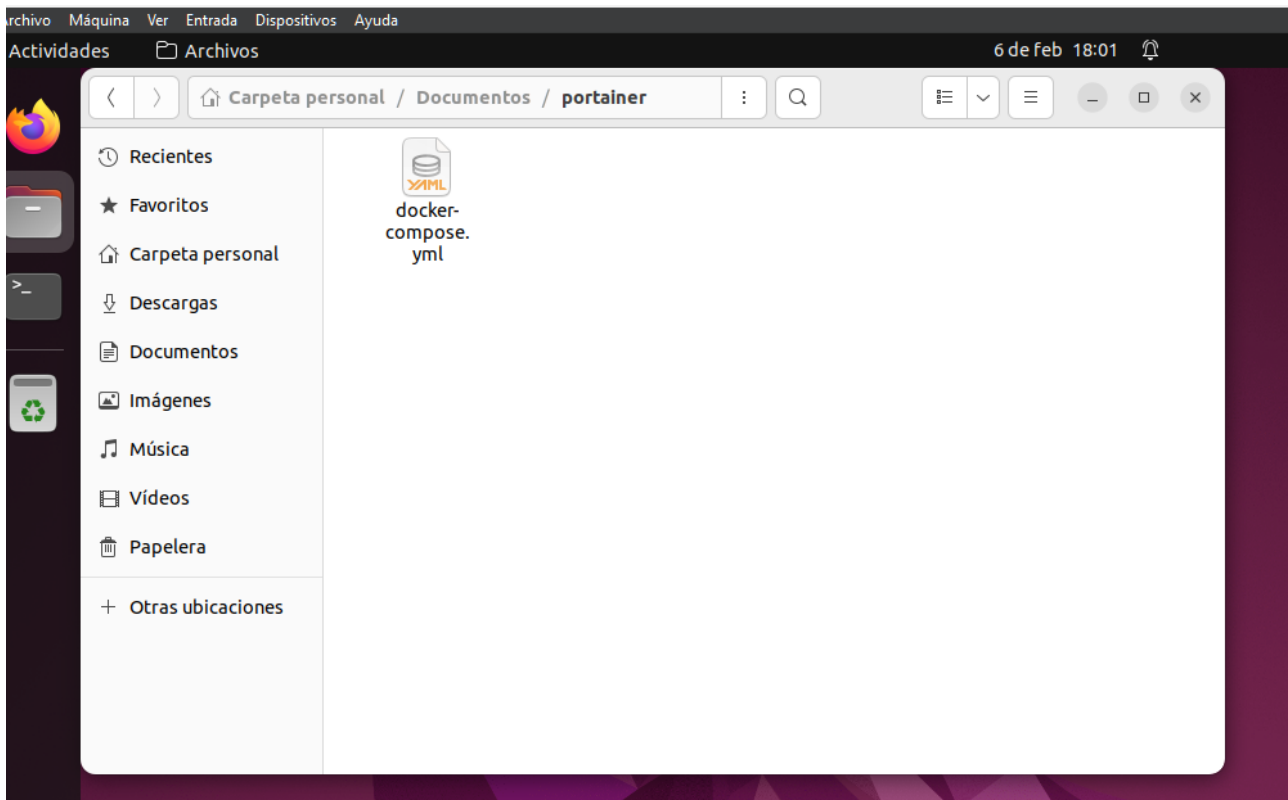
Muestra alguna operación con redes Docker

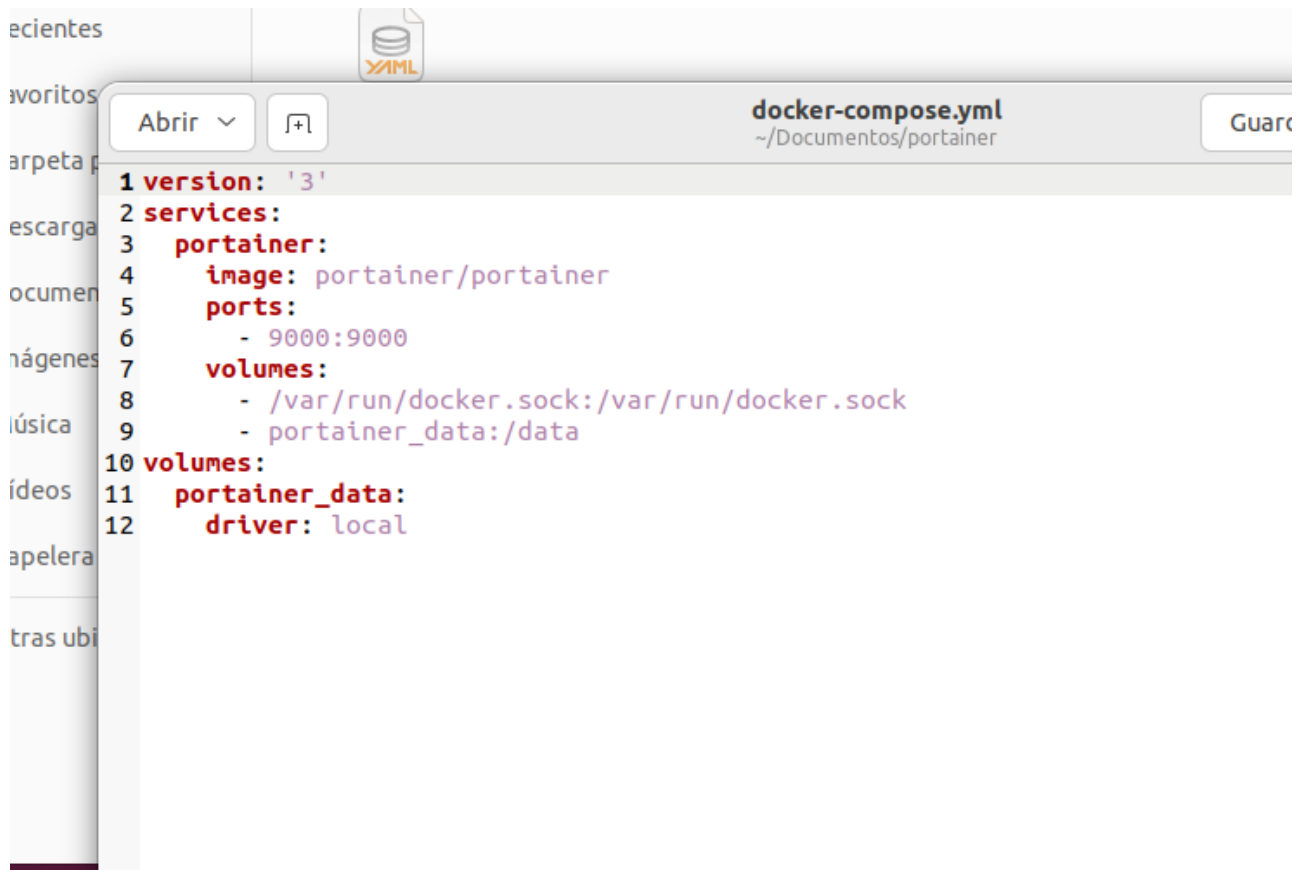
Muestra alguna operación con volúmenes Docker

Webgrafia

**Utilizaza una imagen de 'Portainer' para gestionar Docker.  
Debes crear un volumen para la persistencia de los datos.**

Creamos el archivo dockercompose.yml.






Lo lanzamos.

```
daw@daw-docker:~/Documentos/portainer$ docker-compose up -d
```

localhost:9000/#/init/admin



### 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**

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COMMUNITY EDITION

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Container list

admin

Containers

Search...

Start Stop Kill Restart Pause Resume Remove Add container

Name	State	Quick Actions	Stack	Image	Created	IP Address	GPUs	Published Ports	Ownership
bddd	running		-	mariadb	2023-02-03 10:33:27	172.17.0.2	none	3306:3306	administrators
Debian2	exited		-	debian	2023-01-15 09:07:53	-	none	-	administrators
nextCloud	exited		-	nextcloud	2023-01-15 09:30:05	172.17.0.2	none	8080:80	administrators
nginx	exited		-	nginx	2023-01-15 09:10:17	172.17.0.2	none	-	administrators
portainer_portainer_1	running		portainer	portainer/portainer	2023-02-06 17:53:49	172.18.0.2	none	9000:9000	administrators

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Containers

Start
Stop
Kill
Restart
Pause
Resume
Remove
+ Add container

<input type="checkbox"/> Name ↓↑	State ↓↑ Filter	Quick Actions	Stack ↓↑	Image ↓↑	Created ↓↑	IP Address ↓↑	GPUs	Published Ports	Ownership ↓↑
<input type="checkbox"/> bbdd	exited		-	mariadb	2023-02-03 10:33:27	-	none	-	administrators
<input type="checkbox"/> Debian2	exited		-	debian	2023-01-15 09:07:53	-	none	-	administrators
<input type="checkbox"/> nextCloud	exited		-	nextcloud	2023-01-15 09:30:05	172.17.0.2	none	8080:80	administrators
<input type="checkbox"/> nginx	exited		-	nginx	2023-01-15 09:10:17	172.17.0.2	none	-	administrators
<input type="checkbox"/> portainer_portainer_1	running		portainer	portainer/portainer	2023-02-06 17:53:49	172.18.0.2	none	9000:9000	administrators

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☒ bbdd
 exited
 
 -
 mariadb
 2023-02-03 10:33:27
 -
 none
 -

☐ Debian2
 exited
 
 -
 debian
 2023-01-15 09:07:53
 -
 none
 -

☐ nextCloud
 exited
 
 -
 nextcloud
 2023-01-15 09:30:05
 172.17.0.2
 none
 8080:80

☐ nginx
 exited
 
 -
 nginx
 2023-01-15 09:10:17
 172.17.0.2
 none
 -

☐ portainer\_portainer\_1
 running
 
 portainer
 portainer/portainer
 2023-02-06 17:53:49
 172.18.0.2
 none
 9000:90

1 item(s) selected

Item

You are about to remove one or more containers.

Automatically remove non-persistent volumes
 ☐

Cancel

Remove

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Networks > Add network

Create network

Name

e.g. myNetwork

Driver configuration

Driver

bridge

Driver options

+ Add driver option

IPV4 Network configuration

Subnet

e.g. 172.20.0.0/16

Gateway

e.g. 172.20.10.1

IP range

e.g. 172.20.10.128/25

+ Add excluded IP

IPV6 Network configuration

Subnet

e.g. 2001:db8::/48

Gateway

e.g. 2001:db8::1

IP range

e.g. 2001:db8::/64

+ Add excluded IP

Advanced configuration

+ Add label

Isolated network

Enable manual container attachment

Access control

Enable access control

Administrators

I want to restrict the management of this resource to administrators only

Restricted

I want to restrict the management of this resource to a set of users and/or teams

Networks

Search for a network...

Remove

Add network

<input type="checkbox"/>	Name ↓↑	Stack ↓↑	Driver ↓↑	Attachable ↓↑	IPAM Driver ↓↑	IPV4 IPAM Subnet ↓↑	IPV4 IPAM Gateway ↓↑	IPV6 IPAM Subnet ↓↑	IPV6 IPAM Gateway ↓↑
<input checked="" type="checkbox"/>	bridge <span>System</span>	-	bridge	false	default	172.17.0.0/16	172.17.0.1	-	-
<input type="checkbox"/>	dfdh	-	bridge	false	default	172.20.0.0/16	172.20.0.1	-	-

Muestra alguna operación con volúmenes Docker

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Volumes > portainer\_portainer\_data

Volume details

Volume details

ID

portainer\_portainer\_data

Remove this volume

Created

2023-02-06 17:53:26

Mount path

/var/lib/docker/volumes/portainer\_portainer\_data/\_data

Driver

local

Labels

com.docker.compose.project

portainer

com.docker.compose.version

1.29.2

com.docker.compose.volume

portainer\_data

Access control

Ownership

administrators

Change ownership

Containers using volume

Container Name

Mounted At

Read-only

portainer\_portainer\_1

/data

false

Create volume

Name

VolumenPrueba

Driver configuration

Driver

local

Driver options

+ add driver option

Use NFS volume

Use CIFS volume

Access control

Enable access control

Administrators

I want to restrict the management of this resource to administrators only

Restricted

I want to restrict the management of this resource to restricted users only

Actions

Create the volume

Volumes

Search for a volume...

Remove

+ Add volume

<input type="checkbox"/>	Name <small>↓↑</small> <small>Filter</small>	Stack <small>↓↑</small>	Driver <small>↓↑</small>	Mount point <small>↓↑</small>	Created <small>↓↑</small>	Over
<input type="checkbox"/>	79d8507d300eca6d89c995abddf51edfd36... <span>Unused</span>	-	local	/var/lib/docker/volumes/7[...]6095cf4ab67dd1aca5e/_data	2023-02-03 10:28:27	adi
<input type="checkbox"/>	bfec64cf84b68c8f055e124166b2bc9ca765d...	-	local	/var/lib/docker/volumes/b[...]b8c5e7aa1301171ffd9/_data	2023-01-15 09:30:06	adi
<input type="checkbox"/>	d4f76350536f7085bb6cbabed6d11c379725d...	-	local	/var/lib/docker/volumes/d[...]b5625db0ec43426ceda/_data	2023-02-03 10:33:27	adi
<input type="checkbox"/>	portainer_portainer_data	portainer	local	/var/lib/docker/volumes/p[...]iner_portainer_data/_data	2023-02-06 17:53:26	adi
<input checked="" type="checkbox"/>	VolumenPrueba <span>Unused</span>	-	local	/var/lib/docker/volumes/VolumenPrueba/_data	2023-02-06 18:13:46	adi

1 item(s) selected

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## Webgrafia

Instalacion con docker compose

<https://earthly.dev/blog/portainer-for-dcm/>