

Ejercicio 2 - Portainer

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Ejercicio 2 - Portainer

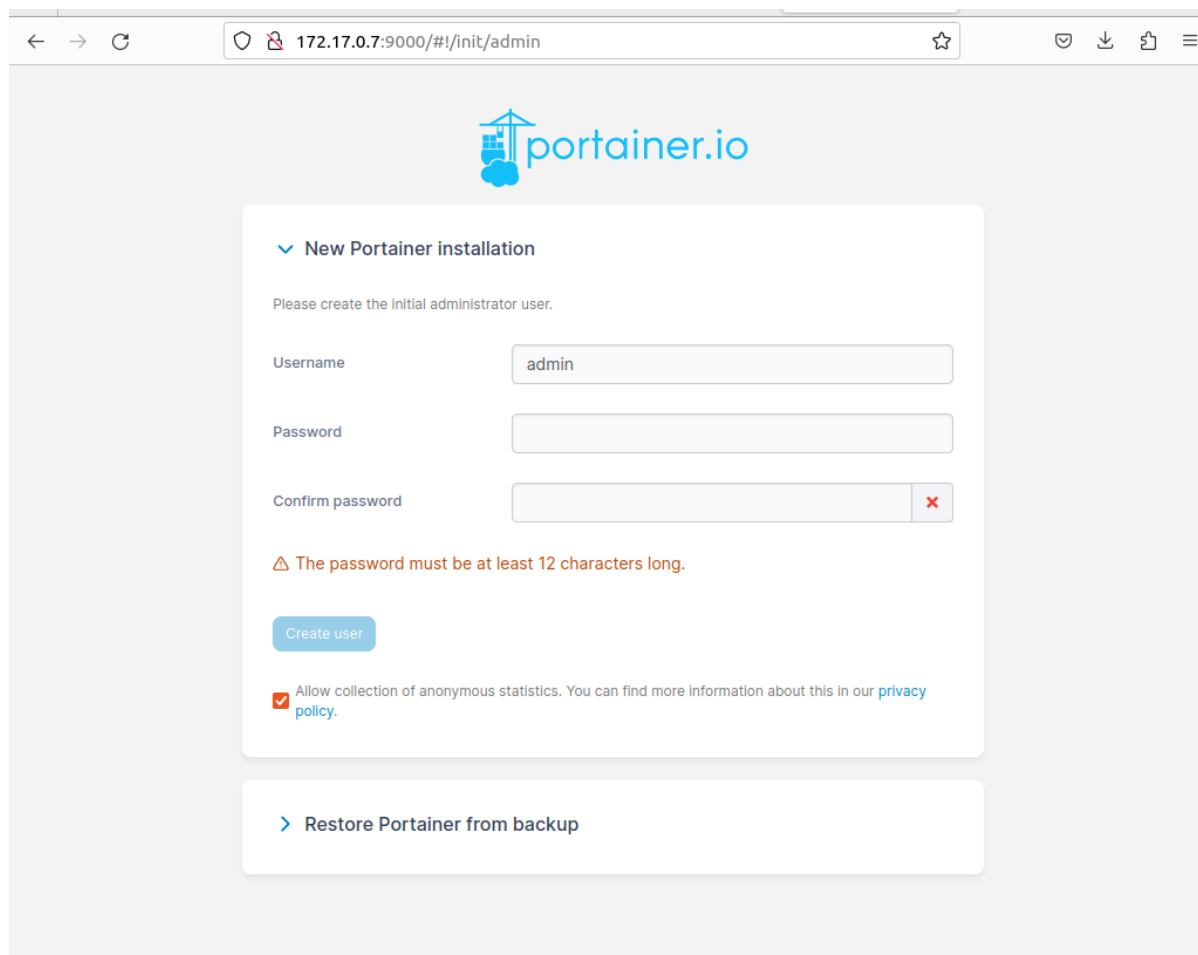
Actividad portainer

Utiliza una imagen de 'Portainer' para gestionar Docker.

```
docker run -d -p 9000:9000 --name=portainer --restart=always -v /var/run/docker.sock:/var/run/docker.sock portainer/portainer
```

```
cliente@cliente-docker:~/Documentos/evaluablesDocker/Ejercicio_2$ docker run -d -p 9000:9000 --name=portainer --restart=always -v /var/run/docker.sock:/var/run/docker.sock portainer/portainer
cliente@cliente-docker:~/Documentos/evaluablesDocker/Ejercicio_2$
```

Pruebo que funcione:



Actividad portainer

Documenta la aplicación, su puesta en funcionamiento y realiza capturas de varias operaciones, por ejemplo:

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

Contenedores activos:

portainer.io COMMUNITY EDITION

Containers

Container list

Search...

Start Stop Kill Restart Pause Resume Remove Add container

Name	State	Quick Actions	Stack	Image	Created	IP Address	GPUs	Published Ports	Ownership
bdd	running		-	mariaadb	2024-02-26 18:18:31	172.18.0.3	none	3306:3306	administrators
portainer	running		-	portainer/portainer	2024-02-26 21:40:19	172.18.0.4	none	9000:9000	administrators
web	running		-	php:apache	2024-02-26 18:13:00	172.18.0.2	none	80:80	administrators

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Un contenedor:

portainer.io COMMUNITY EDITION

Containers > web

Container details

Actions

Start Stop Kill Restart Pause Resume Remove Recreate Duplicate/Edit

Container status

ID 06083664918d4c54601af32f1a86df4f2588c7fb09d0fc88996b3c4831ae4337

Name web

IP address 172.18.0.2

Status Running for 4 hours

Created 2024-02-26 18:13:00

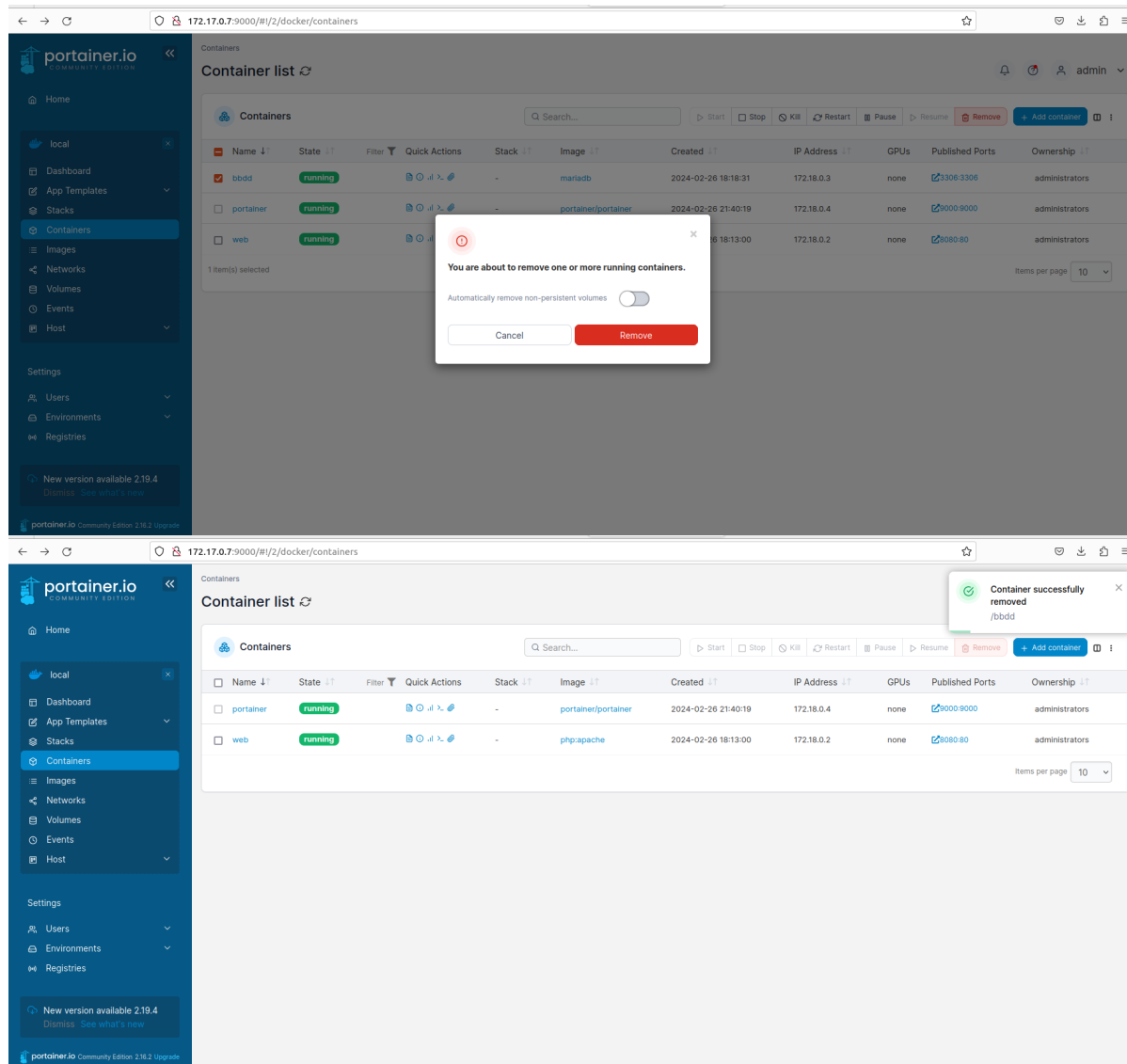
Start time 2024-02-26 18:13:01

Container webhook ☐ Business Edition Feature

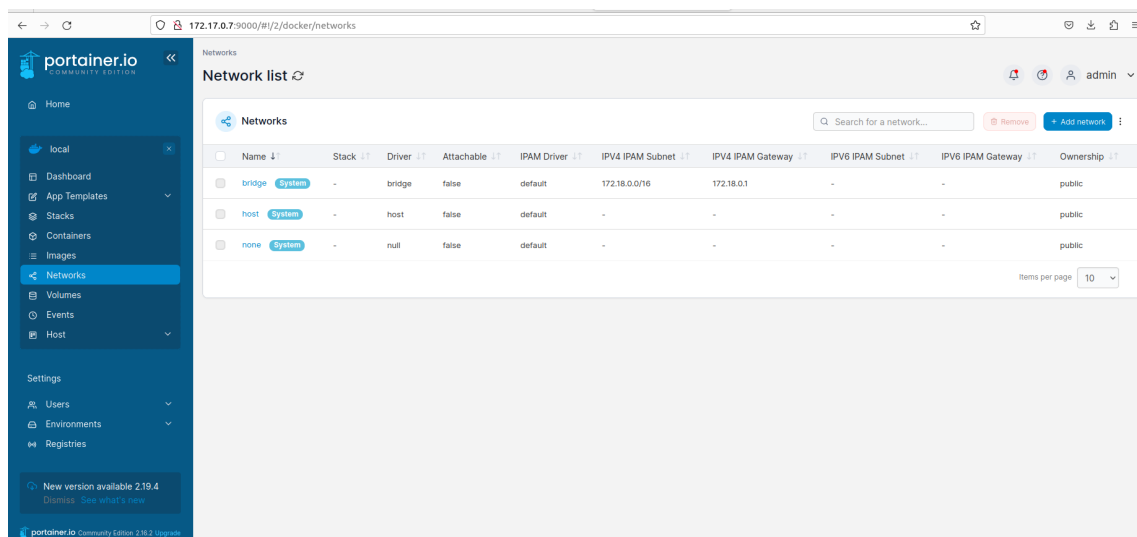
Logs Inspect Stats Console Attach

Access control

Borrar un contenedor:



- Muestra alguna operación con redes Docker



172.17.0.7:9000/#/2/docker/networks/6c922cfbcb37747077b0758ce415a4b615e4f6cd990af09de625bf5d12d0525

Network details

Network details

Name	bridge
Id	6c922cfbcb37747077b0758ce415a4b615e4f6cd990af09de625bf5d12d0525
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: public

Network options

Creo una red:

172.17.0.7:9000/#/2/docker/networks/new

Create network

Name: prueba

Driver configuration

Driver: bridge

Driver options

IPv4 Network configuration

Subnet: e.g. 172.20.0.0/16 Gateway: e.g. 172.20.10.11

IP range: e.g. 172.20.10.128/25

IPv6 Network configuration

Subnet: e.g. 2001:db8::/48 Gateway: e.g. 2001:db8::1

IP range: e.g. 2001:db8::/64

Advanced configuration

Isolated network: ☐

Enable manual container attachment: ☐

172.17.0.7:9000/#/2/docker/networks

Network list

Name	Stack	Driver	Attachable	IPAM Driver	IPv4 IPAM Subnet	IPv4 IPAM Gateway	IPv6 IPAM Subnet	IPv6 IPAM Gateway	Ownership
bridge	System	bridge	false	default	172.18.0.0/16	172.18.0.1	-	-	public
host	System	host	false	default	-	-	-	-	public
none	System	null	false	default	-	-	-	-	public
prueba	-	bridge	false	default	172.18.0.0/16	172.18.0.1	-	-	administrators

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- Muestra alguna operación con volúmenes Docker

Listado de volúmenes:

portainer.io

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local

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Registries

New version available 2.19.4

portainer.io

Volumes

Volume list

Search for a volume...

Remove

+ Add volume

<input type="checkbox"/>	Name	Filter	Stack	Driver	Mount point	Created	Ownership
<input type="checkbox"/>	099b4f1bb249dac3da8c541f0717e83cbf70e990f3b47023f53fdda53d19b55		-	local	/var/lib/docker/volumes/0[...]	2024-02-26 21:40:19	administrators
<input type="checkbox"/>	0d1108bf4ef46011e2dabd8b457f2da4de476b...	Unused	-	local	/var/lib/docker/volumes/0[...]	2024-02-25 17:40:48	administrators
<input type="checkbox"/>	57bc3263f7f0c9166aedb426baad4f4aff76c...	Unused	-	local	/var/lib/docker/volumes/5[...]	2024-02-26 18:18:31	administrators
<input type="checkbox"/>	73a73b953594943cda2f590859bd265cd6d8...	Unused	-	local	/var/lib/docker/volumes/7[...]	2024-02-25 16:45:45	administrators
<input type="checkbox"/>	7935a83169af2b142731926849125630dc25d...	Unused	-	local	/var/lib/docker/volumes/7[...]	2024-02-26 21:33:41	administrators
<input type="checkbox"/>	965838399e0749b45d6675418cd489518926...	Unused	-	local	/var/lib/docker/volumes/9[...]	2024-02-25 17:08:58	administrators
<input type="checkbox"/>	a69c9b12598304ad8e77f6567666a7d613037...	Unused	-	local	/var/lib/docker/volumes/a[...]	2024-02-25 16:41:48	administrators
<input type="checkbox"/>	dfeb5666caefbedf14e7e8b01bea7489e5d88...	Unused	-	local	/var/lib/docker/volumes/d[...]	2024-02-25 17:24:54	administrators
<input type="checkbox"/>	miweb	Unused	-	local	/var/lib/docker/volumes/miweb	2024-01-31 10:50:43	administrators

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Muestro detalles de un volumen:

portainer.io

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New version available 2.19.4

portainer.io

Volumes

Volume details

099b4f1bb249dac3da8c541f0717e83cbf70e990f3b47023f53fdda53d19b55

Remove this volume

ID

Created

Mount path

Driver

Labels

com.docker.volume.anonymous

Access control

Ownership

administrators

Change ownership

Containers using volume

Container Name	Mounted At	Read-only
portainer	/data	false

Creo un volumen:

portainer.io

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New version available 2.19.4

portainer.io

Volumes

Create volume

Name

prueba

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 a set of users and/or teams

Actions

Create the volume

portainer.io

Community Edition

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local

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New version available 2.19.4

portainer.io Community Edition 2.16.2 Upgrade

Volumes

Volume list

admin

Volumes

Search for a volume...

Remove

Add volume

Name	Stack	Driver	Mount point	Created	Ownership
099b4f1bb249dac3da8c541f97f17e83cbf78...	-	local	/var/lib/docker/volumes/0[...]/7023f53fdda53d19b55/_data	2024-02-26 21:40:19	administrators
0d1185bf4ef46011e2dbaddb457f2da4de76b...	Unused	local	/var/lib/docker/volumes/0[...]/5f63e2c6603db91b4d3/_data	2024-02-25 17:40:48	administrators
57bcb263f7f0c9166aeb426baad4f4aff76c...	Unused	local	/var/lib/docker/volumes/5[...]/465610f7ce058b03354/_data	2024-02-26 18:18:31	administrators
73a73b985394943cda2f990899bd265c8b6d8...	Unused	local	/var/lib/docker/volumes/7[...]/1eb90314717dfbbe2ed/_data	2024-02-25 16:45:45	administrators
7935a83169af2b142731926849125630dc25d...	Unused	local	/var/lib/docker/volumes/7[...]/e2c6812befd9c3e9e85/_data	2024-02-26 21:33:41	administrators
9658383996e0749b45d6675410cd489518926...	Unused	local	/var/lib/docker/volumes/9[...]/4ad861cbac40f6cd6b/_data	2024-02-25 17:08:58	administrators
a69c9b12598304ed8e77f6567686a7d613837...	Unused	local	/var/lib/docker/volumes/a[...]/3806a46bd3750859d22/_data	2024-02-25 16:41:48	administrators
dfeb866caefbedf14e7e8b01bea7489e5d88...	Unused	local	/var/lib/docker/volumes/d[...]/dc5860687965490c38/_data	2024-02-25 17:24:54	administrators
miweb	Unused	local	/var/lib/docker/volumes/miweb/_data	2024-01-31 10:50:43	administrators
prueba	Unused	local	/var/lib/docker/volumes/prueba/_data	2024-02-27 18:18:28	administrators

1 item(s) selected

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