

Ejercicio 2 - Portainer

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Utiliza una imagen de 'Portainer' para gestionar Docker.

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

Lo primero que haremos será descargar la imagen de portainer con el siguiente comando.

```
$docker pull portainer/portainer
```

```
root@angel-VirtualBox:/home/angel# docker pull portainer/portainer
Using default tag: latest
latest: Pulling from portainer/portainer
Digest: sha256:47b064434edf437badf7337e516e07f64477485c8ecc663ddabbe824b20c672
Status: Image is up to date for portainer/portainer:latest
docker.io/portainer/portainer:latest
```

Seguidamente, crearemos un contenedor de docker con la imagen que acabamos de descargar.

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

```
root@angel-VirtualBox:/home/angel# docker run -d -p 9000:9000 --name portainer -
-restart always -v /var/run/docker.sock:/var/run/docker.sock portainer/portainer
c60016ea7ead3d7325b16e9cff252f0648f9b1ca4df72173f87e66ea81cf81bc
```

portainer.io
COMMUNITY EDITION

<<

Home

Environment: None selected

Settings

Users

Environments

Registries

Authentication logs

Notifications

Settings

New version available 2.19.4

Dismiss See what's new

portainer.io Community Edition 2.18.2 Upgrade

localhost:9000/#1/2/docker/dashboard

Environments

Home

Latest News From Portainer

dismiss

New Portainer CE 2.19 - now with improved page load performance and a change to how we view Kubernetes ConfigMaps and Secrets.

There's also a bunch of resolved issues in this release and some important changes to be aware of. See the [release notes](#) for details.

If you'd like to try Portainer Business edition, you can get a license for 3 nodes free [here](#).

Environments

Click on an environment to manage

Refresh

Search by name, group, tag, status, URL...

Platform

Connec
Type

Status

Tags

Groups

Agent
Version

Clear all

Sort
By

local

up

2024-02-26 09:24:33

0 stacks

5 containers

1

4

0

0

6 volumes

6 images

2 CPU

5 GB RAM

0 GPU

No tags

Group: Unassigned

Standalone 24.0.5

/var/run/docker.sock

Muestra contenedores activos, para un contenedor, borra un contenedor

Container list

admin

Containers

Search.

Start

Stop

Kill

Restart

Pause

Resume

Remove

+ Add contain

<input type="checkbox"/>	Name ↓↑	State ↓↑ Filter	Quick Actions	Stack ↓↑	Image ↓↑	Created ↓↑	IP Address ↓↑	GPUs
<input type="checkbox"/>	bbdd	exited		-	mariadb	2024-02-23 09:03:53	172.17.0.3	none
<input type="checkbox"/>	dockerphp	exited		-	php:7.4-apache	2024-01-31 11:08:01	-	none
<input type="checkbox"/>	portainer	running		-	portainer/portainer	2024-02-26 09:23:53	172.17.0.2	none
<input type="checkbox"/>	redis	exited		-	redis	2024-02-05 08:43:06	172.18.0.2	none
<input type="checkbox"/>	web	exited		-	php:apache	2024-02-23 09:00:24	172.17.0.2	none

Items per page 10

Containers

Container list ↻

Containers

Search.

Start

Stop

Kill

Restart

Pause

Resume

Remove

Add container

<input type="checkbox"/>	Name ↓↑	State ↓↑	Filter	Quick Actions	Stack ↓↑	Image ↓↑	Created ↓↑	IP Address ↓↑	GPUs
<input type="checkbox"/>	bddd	exited			-	mariadb	2024-02-23 09:03:53	172.17.0.3	none
<input type="checkbox"/>	dockerphp	exited			-	php:7.4-apache	2024-01-31 11:08:01	-	none
<input type="checkbox"/>	portainer	running			-	portainer/portainer	2024-02-26 09:23:53	172.17.0.2	none
<input type="checkbox"/>	web	exited			-	php:apache	2024-02-23 09:00:24	172.17.0.2	none

Items per page 10

Container successfully removed
/redis

El contenedor que borre fue el 'redis'.

Muestra alguna operación con redes Docker

Networks

Search

Remove

Add network

<input type="checkbox"/>	Name ↓↑	Stack ↓↑	Driver ↓↑	Attachable ↓↑	IPAM Driver ↓↑	IPV4 IPAM Subnet ↓↑	IPV4 IPAM Gateway
<input checked="" type="checkbox"/>	bridge System	-	bridge	false	default	172.17.0.0/16	172.17.0.1
<input checked="" type="checkbox"/>	host System	-	host	false	default	-	-
<input checked="" type="checkbox"/>	none System	-	null	false	default	-	-
<input type="checkbox"/>	redis	-	bridge	false	default	172.18.0.0/16	172.18.0.1

Items per page 10

Networks

Network list ↻

Networks

S

Remove

Add network

<input type="checkbox"/>	Name ↓↑	Stack ↓↑	Driver ↓↑	Attachable ↓↑	IPAM Driver ↓↑	IPV4 IPAM Subnet ↓↑	IPV4 IPAM Gateway
<input checked="" type="checkbox"/>	bridge System	-	bridge	false	default	172.17.0.0/16	172.17.0.1
<input checked="" type="checkbox"/>	host System	-	host	false	default	-	-
<input checked="" type="checkbox"/>	none System	-	null	false	default	-	-





Items per page 10


Network successfully removed
redis


La operación que hice con las redes, fue la de borrado de la red que utilizaba el contenedor redis ya que antes he borrado ese contenedor y ya no la necesito.


Muestra alguna operación con volúmenes Docker


Volume list










 admin 

 Volumes


 Remove

 Add volume



<input type="checkbox"/> Name   Filter 	Stack  	Driver  	Mount point  
<input type="checkbox"/> 52df28866843da7eea59d5277d5b191cd3c2c...	-	local	/var/lib/docker/volumes/5[...]/78088fe79dca6c03e61/_data
<input type="checkbox"/> 88db851a7d0fc839a6bbdaafd503a068d300d...	-	local	/var/lib/docker/volumes/8[...]/1162ad4dc04c1bf86eb/_data
<input type="checkbox"/> bb89fd66248246f855a0332c90392f72b90df...	-	local	/var/lib/docker/volumes/b[...]/6bed6a49bba619ee79b/_data
<input type="checkbox"/> carpetadocker	-	local	/var/lib/docker/volumes/carpetadocker/_data
<input type="checkbox"/> dockerVolumen Unused	-	local	/var/lib/docker/volumes/dockerVolumen/_data

Items per page

10 

Cree un volumen --> 'dockerVolumen' como operación con los volúmenes.