

Ejercicio 4 - Docker Compose

Desplegar la aplicación htop utilizando docker-compose. Entregar las siguientes capturas de pantalla y los comandos empleados para resolver el ejercicio


1. Creamos el archivo docker-compose.yml

```
🐳 docker-compose.yml X
F: > Despliegue > 🐳 docker-compose.yml
1  version: "3"
2  services:
3    htop:
4      image: alpine:latest
5      container_name: htop_container
6      command: sh -c "apk add --no-cache htop && htop"
7      stdin_open: true
8      tty: true
9
```

```
PS F:\Despliegue> docker compose up
time="2025-02-13T09:33:32+01:00" level=warning msg="Found multiple config files with supported names: F:\\Despliegue\\do
cker-compose.yml, F:\\Despliegue\\docker-compose.yaml"
time="2025-02-13T09:33:32+01:00" level=warning msg="Using F:\\Despliegue\\docker-compose.yml"
time="2025-02-13T09:33:32+01:00" level=warning msg="F:\\Despliegue\\docker-compose.yml: the attribute 'version' is obsol
ete, it will be ignored, please remove it to avoid potential confusion"
[+] Running 2/2
  ✓ htop Pulled                                         5.2s
  ✓ 1f3e46996e29 Pull complete                        0.6s
[+] Running 2/2
  ✓ Network despliegue_default Created                 0.0s
  ✓ Container htop_container Created                   0.1s
Attaching to htop_container
htop_container | fetch https://dl-cdn.alpinelinux.org/alpine/v3.21/main/x86_64/APKINDEX.tar.gz
htop_container | fetch https://dl-cdn.alpinelinux.org/alpine/v3.21/community/x86_64/APKINDEX.tar.gz
htop_container | (1/3) Installing ncurses-terminfo-base (6.5_p20241006-r3)
htop_container | (2/3) Installing libncursesw (6.5_p20241006-r3)
htop_container | (3/3) Installing htop (3.3.0-r0)
htop_container | Executing busybox-1.37.0-r9.trigger
htop_container | OK: 8 MiB in 18 packages
```

Htop es una herramienta que nos permite monitorear el rendimiento del sistema en tiempo real. A diferencia de otras herramientas similares, **htop** ofrece una interfaz más amigable y con más opciones de interacción, lo que la convierte en una opción popular para los administradores de sistemas y usuarios avanzados.

además nos permite terminar o pausar procesos

 **htop_container**
[alpine:latest](#)
Running

```
2025-02-13 09:33:38 htop_container | fetch https://dl-cdn.alpinelinux.org/alpine
/v3.21/main/x86_64/APKINDEX.tar.gz
2025-02-13 09:33:42 htop_container | fetch https://dl-cdn.alpinelinux.org/alpine
/v3.21/community/x86_64/APKINDEX.tar.gz
2025-02-13 09:33:44 htop_container | (1/3) Installing ncurses-terminfo-base (6.5
_p20241006-r3)
2025-02-13 09:33:44 htop_container | (2/3) Installing libncursesw (6.5_p20241006
-r3)
2025-02-13 09:33:44 htop_container | (3/3) Installing htop (3.3.0-r0)
2025-02-13 09:33:44 htop_container | Executing busybox-1.37.0-r9.trigger
2025-02-13 09:33:44 htop_container | OK: 8 MiB in 18 packages
```



Mem[|||||]
Swp[

551M/15.6G] Tasks: 1, 0 thr, 0 kthr; 0 running
0K/4.00G] Load average: 0.02 0.01 0.00
Uptime: 00:01:31

[Main] [I/O]

PID	USER	PRI	NI	VIRT	RES	SHR	S	CPU%	MEM%	TIME+	Command
1	root	20	0	1780	1524	1048	R	0.0	0.0	0:00.01	htop

F1 Help F2 Setup F3 Search F4 Filter F5 Tree F6 SortBy F7 Nice - F8 Nice + F9 Kill F10 Quit 20
25-02-14T08:55:11.230015441Z fetch https://dl-cdn.alpinelinux.org/alpine/v3.21/ma
in/x86_64/APKINDEX.tar.gz
2025-02-14 09:55:15 htop_container | fetch https://dl-cdn.alpinelinux.org/alpine
/v3.21/community/x86_64/APKINDEX.tar.gz