

IMPORTANTE tener instalado curl

Instalamos ssh para copiar y pegar los comandos IMPORTANTE en adaptador puente

```
root@usuario-VirtualBox:~# apt install ssh curl -y
```

Nos conectaremos desde el cmd mediante el siguiente comando de ssh, cambiamos el "usuario" y la IP por la que tenemos en nuestra máquina.

```
C:\Users\carlo>ssh usuario@192.168.1.100
usuario@192.168.1.100's password:
Permission denied, please try again.
usuario@192.168.1.100's password:
Welcome to Ubuntu 24.04.1 LTS (GNU/Linux 6.8.0-51-generic x86_64)
```

Instalar Docker y Docker compose

Sudo curl -fsSL <https://get.docker.com/> -o get-docker.sh

```
usuario@usuario-VirtualBox:~$ curl -fsSL https://get.docker.com/ -o get-docker.sh
usuario@usuario-VirtualBox:~$ ls
Descargas Documentos Escritorio get-docker.sh Imágenes Música Plantillas Público snap Vídeos
usuario@usuario-VirtualBox:~$
```

Sudo sh get-docker.sh

```
usuario@usuario-VirtualBox:~$ sh get-docker.sh
# Executing docker install script, commit: 4c94a56999e10efcf48c5b8e3f6afea464f9108e
+ sudo -E sh -c apt-get -qq update >/dev/null
[sudo] contraseña para usuario:
```

Añadimos el usuario al grupo Docker

Sudo usermod -aG docker usuario

```
usuario@usuario-VirtualBox:~$ sudo usermod -aG docker usuario
usuario@usuario-VirtualBox:~$
```

Ni usuario actual se llama usuario, cambiar el ultimo parámetro al usuario de tu máquina

Reiniciamos el sistema

Sudo reboot

Probamos con el contenedor hello-world

Docker run hello-world

```
usuario@usuario-VirtualBox:~$ docker run hello-world
Unable to find image 'hello-world:latest' locally
latest: Pulling from library/hello-world
e6590344b1a5: Pull complete
Digest: sha256:d715f14f9eca81473d9112df50457893aa4d099adeb4729f679006bf5ea12407
Status: Downloaded newer image for hello-world:latest
```

Hello from Docker!

This message shows that your installation appears to be working correctly.

To generate this message, Docker took the following steps:

1. The Docker client contacted the Docker daemon.
2. The Docker daemon pulled the "hello-world" image from the Docker Hub.
(amd64)
3. The Docker daemon created a new container from that image which runs the executable that produces the output you are currently reading.
4. The Docker daemon streamed that output to the Docker client, which sent it to your terminal.

To try something more ambitious, you can run an Ubuntu container with:

```
$ docker run -it ubuntu bash
```

Share images, automate workflows, and more with a free Docker ID:

<https://hub.docker.com/>

For more examples and ideas, visit:

<https://docs.docker.com/get-started/>

```
usuario@usuario-VirtualBox:~$
```

INSTALACION DE PORTAINER

Creamos el volumen de portainer

Docker volume create portainer_data

```
usuario@usuario-VirtualBox:~$ docker volume create portainer_data
portainer_data
usuario@usuario-VirtualBox:~$
```

Descargamos e instalamos el contenedor portainer

Docker run -d -p 8000:8000 -p 9443:9443 --name portainer --restart=always -v

/var/run/docker.sock:/var/run/docker.sock -v portainer_data:/data portainer/portainer-ce:latest

```
usuario@usuario-VirtualBox:~$ docker run -d -p 8000:8000 -p 9443:9443 --name portainer --restart=always -v /var/run/docker.sock:/var/run/docker.sock -v portainer_data:/data portainer/portainer-ce:latest
Unable to find image 'portainer/portainer-ce:latest' locally
latest: Pulling from portainer/portainer-ce
de0df0f2921e: Pull complete
c82aa9e9fb45: Pull complete
d40df14c1d7a: Pull complete
a3939f2dc487: Pull complete
204b2fbb824e: Pull complete
a53c840f28bf: Pull complete
9e1dad44be73: Pull complete
6f01ec19fa2b: Pull complete
e2f767fe3885: Pull complete
793e77bf062e: Pull complete
4f4fb70ef54: Pull complete
Digest: sha256:bd8f7a6d98e2a512e18272c38914abd1e92d663451f3c925d502a8557a3b92d7
Status: Downloaded newer image for portainer/portainer-ce:latest
06e95c6150b2daf7d724c99f895398032d35cfdbd3480f80be4de81f67991774
usuario@usuario-VirtualBox:~$
```

Ver los contenedores instalados

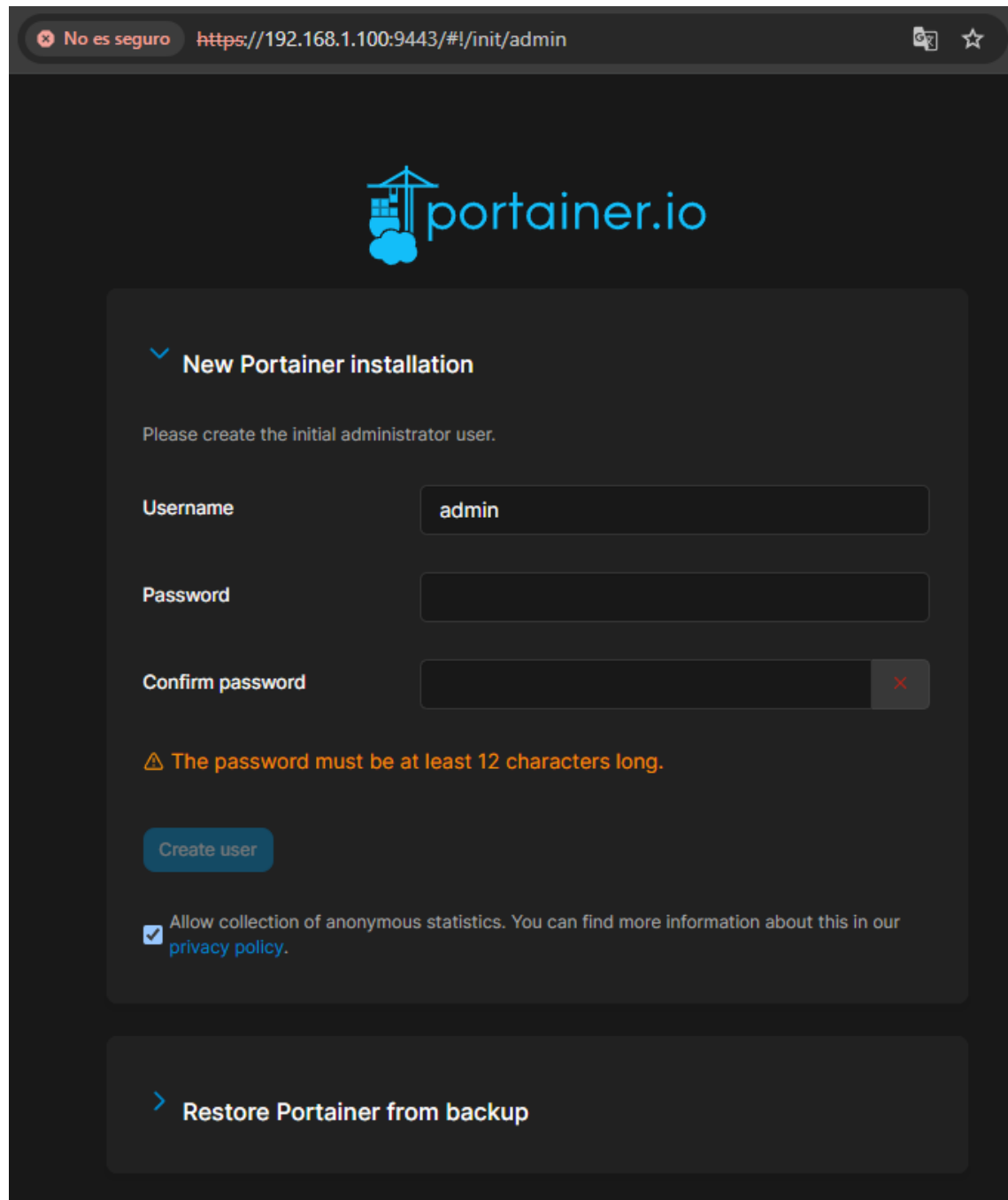
Docker ps

```
usuario@usuario-VirtualBox:~$ docker ps
CONTAINER ID   IMAGE                                NAMES      COMMAND                  CREATED        STATUS        PORTS
06e95c615423   portainer/portainer-ce:latest      "/portainer"  23 seconds ago   Up 22 seconds   0.0.0.0:8000->8000/tcp, :::8000->8000/tcp, 0.0.0.0:9443->9443/tcp, :::9443->9443/tcp
usuario@usuario-VirtualBox:~$
```

Acceso a Portainer

Nos iremos al navegador de nuestro ordenador y pondremos la dirección IP siguiente:

[https://\(ip de la maquina\):9443](https://(ip de la maquina):9443)



The screenshot shows a web browser window with the address bar displaying `https://192.168.1.100:9443/#/init/admin`. The page features the Portainer.io logo at the top. Below the logo, there is a section titled "New Portainer installation" with a sub-instruction: "Please create the initial administrator user." This section contains three input fields: "Username" (pre-filled with "admin"), "Password", and "Confirm password". A warning message states: "⚠ The password must be at least 12 characters long." Below the inputs is a "Create user" button. At the bottom of the form, there is a checkbox labeled "Allow collection of anonymous statistics. You can find more information about this in our [privacy policy](#)." which is checked. Below the main form, there is a button labeled "> Restore Portainer from backup".