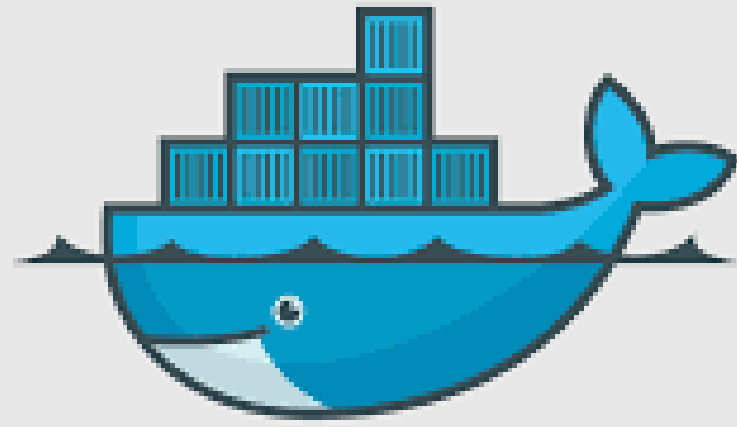




docker

Installation du Docker

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Présentation

Docker c'est quoi ? utilité ?

Docker est une plateforme ouverte pour le développement, la distribution et l'exécution d'applications . Docker vous permet de séparer vos applications de votre infrastructure afin de pouvoir livrer des logiciels rapidement. Avec Docker, vous pouvez gérer votre infrastructure de la même manière que vous gérez vos applications.

Installation

```
apt update && apt upgrade -y
apt install -y \
    apt-transport-https \
    ca-certificates \
    curl \
    gnupg \
    lsb-release
```

Ces commandes nous permettront de mettre à jour la machine et d'installer les extensions dont on aura besoin.

Ajout de la clé GPG officielle de docker

```
curl -fsSL https://download.docker.com/linux/debian/gpg | gpg --dearmor -o /usr/share/keyrings/docker-archive-keyring.gpg
```

Installer Docker

```
echo "deb [arch=$(dpkg --print-architecture)
signed-by=/usr/share/keyrings/docker-archive-keyring.gpg]
https://download.docker.com/linux/debian $(lsb_release -cs) stable" | tee
/etc/apt/sources.list.d/docker.list > /dev/null

apt update
apt install docker-ce docker-ce-cli containerd.io
```

En cas d'erreur

```
curl -fsSL https://download.docker.com/linux/debian/gpg | gpg --dearmor -o /usr/share/keyrings/docker-archive-keyring.gpg
```

Vérifier dans le fichier `/etc/apt/sources.list.d/docker.list`

S'il y a cette ligne :

```
deb [arch=amd64 signed-by=/usr/share/keyrings/docker-archive-keyring.gpg] https://download.docker.com/linux/debian bookworm stable
```

La suite

```
docker ps
```

```
root@srv-bodnar:~# docker ps
CONTAINER ID   IMAGE      COMMAND                  CREATED        STATUS        PORTS        NAMES
```

Cela permet de savoir qu'il est bien installé.

Installer l'interface graphique du Docker

```
apt install ufw
```

```
ufw allow 80/tcp
```

```
systemctl restart docker
```

```
docker run -d -p 80:80 nginx
```

```

<!DOCTYPE html>
<html>
<head>
<title>Welcome to nginx!</title>
<style>
html { color-scheme: light dark; }
body { width: 35em; margin: 0 auto;
font-family: Tahoma, Verdana, Arial, sans-serif; }
</style>
</head>
<body>
<h1>Welcome to nginx!</h1>
<p>If you see this page, the nginx web server is successfully installed and
working. Further configuration is required.</p>

<p>For online documentation and support please refer to
<a href="http://nginx.org/">nginx.org</a>.<br/>
Commercial support is available at
<a href="http://nginx.com/">nginx.com</a>.</p>

<p><em>Thank you for using nginx.</em></p>
</body>
</html>
root@srv-bodnar:~#

```



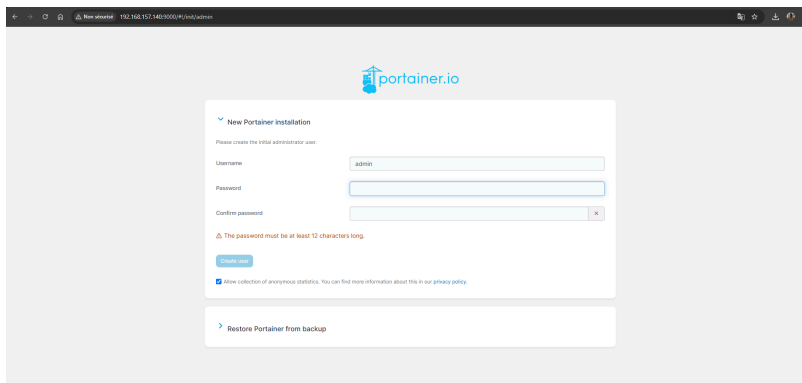
```

docker run -d -p 9000:9000 --name portainer \
-v /var/run/docker.sock:/var/run/docker.sock \
-v portainer_data:/data \
portainer/portainer-ce

```

Coller et entrer si non ça ne fonctionnera pas

```
Unable to find image 'portainer/portainer-ce:latest' locally
latest: Pulling from portainer/portainer-ce
2a8c27161aa3: Pull complete
679061c2c821: Pull complete
d40df14c1d7a: Pull complete
8215717c7c10: Pull complete
542669febe7c: Pull complete
6c27c7f45b54: Pull complete
070d3bf2528e: Pull complete
846480e9f8b0: Pull complete
c7053d7d4c2a: Pull complete
a2ed6de7fb5f: Pull complete
4f4fb700ef54: Pull complete
Digest: sha256:f2a7f5abd4735f9cd91563c6134e014b15168c4018beea87f1eec9d9618b2ad4
Status: Downloaded newer image for portainer/portainer-ce:latest
6fac8b44478bc04fe847d685703eadac0f2d6efd34291740dd58109449b8cfa3
root@srv-bodnar:~#
```



The screenshot shows the Portainer.io web interface in a browser window. The URL bar indicates the address is 192.168.157.140:9000/#/new/portainer. The main content area features the Portainer.io logo at the top. Below the logo is a section titled 'New Portainer Installation' with a sub-header 'Please create the initial administrator user.' This section contains three input fields: 'Username' (with 'admin' entered), 'Password', and 'Confirm password'. A red warning message states 'The password must be at least 12 characters long.' Below the password fields is a 'Create user' button. At the bottom of the form is a checkbox labeled 'Allow collection of anonymous statistics. You can find more information about this in our privacy policy.' Below the form is a button labeled 'Restore Portainer from backup'.