

# Portainer

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## Architecture

Untitled 1.png

## Installation

### Standalone

#### Install Portainer with Docker on Linux

```
docker volume create portainer_data
```

```
docker run -d -p 8000:8000 -p 9000:9000 -p 9443:9443 --name portainer \
  --restart=always \
  -v /var/run/docker.sock:/var/run/docker.sock \
  -v portainer_data:/data \
  portainer/portainer-ce:2.11.1
```

### Swarm

Pensez à activer docker swarm `docker swarm init`

#### Install Portainer with Docker Swarm on Linux

```
version: '3.2'
```

```
services:
```

agent:

image: portainer/agent:2.11.1

volumes:

- /var/run/docker.sock:/var/run/docker.sock
- /var/lib/docker/volumes:/var/lib/docker/volumes

networks:

- agent\_network

deploy:

mode: global

placement:

constraints: [ node.platform.os == linux ]

portainer:

image: portainer/portainer-ce:2.11.1

command: -H tcp://tasks.agent:9001 --tlsskipverify

ports:

- "9443:9443"
- "9000:9000"
- "8000:8000"

volumes:

- portainer\_data:/data

networks:

- agent\_network

deploy:

mode: replicated

replicas: 1

placement:

constraints: [ node.role == manager ]

networks:

agent\_network:

driver: overlay

attachable: true

volumes:

portainer\_data:

```
curl -L https://downloads.portainer.io/portainer-agent-stack.yml \  
-o portainer-agent-stack.yml
```

```
docker stack deploy -c portainer-agent-stack.yml portainer
```

```
docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS
59ee466f6b15	portainer/agent:2.11.1	"/.agent"	About a minute ago	Up About a minute
2db7dd4bfba0	portainer/portainer-ce:2.11.1	"/portainer -H tcp://..."	About a minute ago	Up About a minute

### Accès à portainer

On y accède ensuite via `http://<server_url>:9000` ou `https://<server_url>:9443`

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