

# Portainer

Untitled.png

## 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	PORTS	NAMES	
59ee466f6b15	portainer/agent:2.11.1	"/agent"	About a minute ago
Up About a minute			
portainer_agent.xbb8k6r7j1tk9gozjku7e43wr.5sa6b3e8cl6hyu0snlt387sgv			
2db7dd4bfba0	portainer/portainer-ce:2.11.1	"/portainer -H tcp:/*"	About a minute ago
Up About a minute	8000/tcp, 9000/tcp, 9443/tcp		
portainer_portainer.1.gpuvu3pqmt1m19zxfo44v7izx			

### Accès à portainer

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

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