

Portainer

[Menu](#)

Menu

- [Home](#)
- [Overview](#)
- [Made for Docker](#)
- [Services and support](#)
- [Contact](#)

[Close](#)

Installation

How simple is it to deploy Portainer?

Portainer installation using Docker

Portainer runs as a lightweight Docker container (the Docker image weights less than 4MB) on a Docker engine or Swarm cluster. Therefore, you are one command away from running container on any machine using Docker.

Deploy Portainer

Use the following Docker commands to deploy Portainer:

```
$ docker volume create portainer_data  
$ docker run -d -p 9000:9000 -v /var/run/docker.sock:/var/run/docker.sock -v portainer_data:/data portainer/portainer
```

You'll just need to access the port 9000 of the Docker engine where portainer is running using your browser.

Note: the `-v /var/run/docker.sock:/var/run/docker.sock` option can be used in Linux environments only.

Manage a Swarm cluster with Portainer

Deploying Portainer to manage a Swarm cluster is just as easy ! You can directly deploy Portainer as a service in your Docker cluster.

```
$ docker volume create portainer_data  
$ docker service create \  
--name portainer \  
--publish 9000:9000 \  
--replicas=1 \  
--constraint 'node.role == manager' \  
portainer/portainer
```

```
--mount type=bind,src=/var/run/docker.sock,dst=/var/run/docker.sock \
--mount type=volume,src=portainer_data,dst=/data \
portainer/portainer \
-H unix:///var/run/docker.sock
```

Using docker-compose

You can use the following Compose file to start Portainer:

```
version: '2'

services:
  portainer:
    image: portainer/portainer
    ports:
      - "9000:9000"
    command: -H unix:///var/run/docker.sock
    volumes:
      - /var/run/docker.sock:/var/run/docker.sock
      - portainer_data:/data

volumes:
  portainer_data:
```

[Download the Compose file](#)

And more deployment scenarios

Have a look at our installation documentation for more deployment scenarios such as Portainer with data persistence, TLS authentication enabled engine, non-Docker setup or reverse proxy integrations.

[Access the documentation](#)

Get in touch

We also offer [services and support](#). Need more information? Leave us a message !

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