

Install docker - CLi / .sh

Set up the repository

1. Update the `apt` package index and install packages to allow apt to use a repository over HTTPS:

```
sudo apt-get update
sudo apt-get install \
    ca-certificates \
    curl \
    gnupg \
    lsb-release
```

2. Add Docker's official GPG key:

```
sudo mkdir -p /etc/apt/keyrings
curl -fsSL https://download.docker.com/linux/debian/gpg | sudo gpg --dearmor -o
/etc/apt/keyrings/docker.gpg
```

3. Use the following command to set up the repository:

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

Install Docker Engine

1. Update the `apt` package index:

```
sudo apt-get update
```

2. Install Docker Engine, containerd, and Docker Compose:

```
sudo apt-get install docker-ce docker-ce-cli containerd.io docker-compose-plugin
```

3. You can verify that Docker Engine is installed correctly by running the `hello-world` image.

```
sudo docker run hello-world
```

Install Portainer

1. Create Docker Volume to store the data:

```
docker volume create portainer_data
```

2. Install Portainer Server:

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

Access Portainer Dashboard

1. In a browser, visit the following address:

```
http://<yourmachineipadress>:9000
```

2. The first time you access Portainer, the system asks to create a password for the admin user. Type the password twice and select the **Create user** button.
3. Select the **Get Started** button to go to the dashboard and start using Portainer in the local environment only.

Install docker with script from <https://get.docker.com>:

```
curl -fsSL https://get.docker.com -o get-docker.sh
sh get-docker.sh
```

<https://github.com/docker/docker-install>