

# Installation

The following steps are for installing Docker Engine on a Debian system. The instructions are taken from the official [documentation](#).

## Install using apt

1. Set up Docker's Apt repository.

```
# Add Docker's official GPG key:
sudo apt-get update
sudo apt-get install ca-certificates curl gnupg
sudo install -m 0755 -d /etc/apt/keyrings
curl -fsSL https://download.docker.com/linux/debian/gpg | sudo gpg --dearmor -o
/etc/apt/keyrings/docker.gpg
sudo chmod a+r /etc/apt/keyrings/docker.gpg

# Add the repository to Apt sources:
echo \
  "deb [arch="$(dpkg --print-architecture)" signed-by=/etc/apt/keyrings/docker.gpg]
https://download.docker.com/linux/debian \
  "$(. /etc/os-release && echo "$VERSION_CODENAME")" stable" | \
  sudo tee /etc/apt/sources.list.d/docker.list > /dev/null
sudo apt-get update
```

2. Install the Docker packages.

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

3. Test if docker is working by running

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

## Post-Installation steps

Make it possible for docker to be run without sudo.

1. Create the `docker` group (if necessary).

```
sudo groupadd docker
```

2. Add your user to the `docker` group.

```
sudo usermod -aG docker $USER
```

3. Log out and log back in. If you are running in a VM you might need to restart the VM.
4. Verify that `docker` can be run without `sudo`.

```
docker run hello-world
```

## See also

- <https://docs.docker.com/engine/install/debian/>
- <https://docs.docker.com/engine/install/linux-postinstall/>

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