

docker installation

This documentation shows how to install docker from the docker ppa

Create users and groups

First create a user and group `cloud`

```
useradd -u 1002 -m cloud
```

Add the user `cloud` to the sudo group

```
usermod -a -G sudo cloud
```

Add a `docker` group

```
groupadd docker
```

Add the user `cloud` to the docker group

```
usermod -aG docker cloud
```

Gibe the user the bash shell

```
usermod --shell /bin/bash cloud
```

basic dependencies

Ubuntu 22.04 LTS

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

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

Ubuntu 24.04 LTS

```
apt install apt-transport-https curl
```

Install some basic dependencies

```
apt update && apt upgrade -y && apt install vim screen lsof apt-transport-https ca-
certificates curl software-properties-common -y
```

Ubuntu 20.04

```
sudo apt-get install apt-transport-https ca-certificates curl gnupg-agent software-properties-
common
```

docker repository configuration

Ubuntu 24.04 LTS

```
https://download.docker.com/linux/ubuntu/gpg | sudo gpg --dearmor -o
/etc/apt/keyrings/docker.gpg
```

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

```
apt update
```

Add the repository key of the docker repository

```
curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo apt-key add -
```

Now add the apt configuration for the repository

```
add-apt-repository "deb [arch=amd64] https://download.docker.com/linux/ubuntu $(lsb_release -cs) stable"
```

You could also alternatively add the `testing` repository instead of the `stable` repository

```
add-apt-repository "deb [arch=amd64] https://download.docker.com/linux/ubuntu $(lsb_release -cs) test"
```

install docker

```
apt update && apt install docker-ce docker-ce-cli containerd.io -y
```

install docker-compose

Get the latest docker-compose

```
curl -L https://github.com/docker/compose/releases/download/v2.27.1/docker-compose-`uname -s`-`uname -m` -o /usr/local/bin/docker-compose
```

Set the proper rights

```
chmod +x /usr/local/bin/docker-compose
```

And check if `docker-compose` works

```
docker-compose --version
```

This should give a response like this

```
docker-compose version 1.25.0-rc2, build 661ac20e
```

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