

# Docker installation

## Docker installation

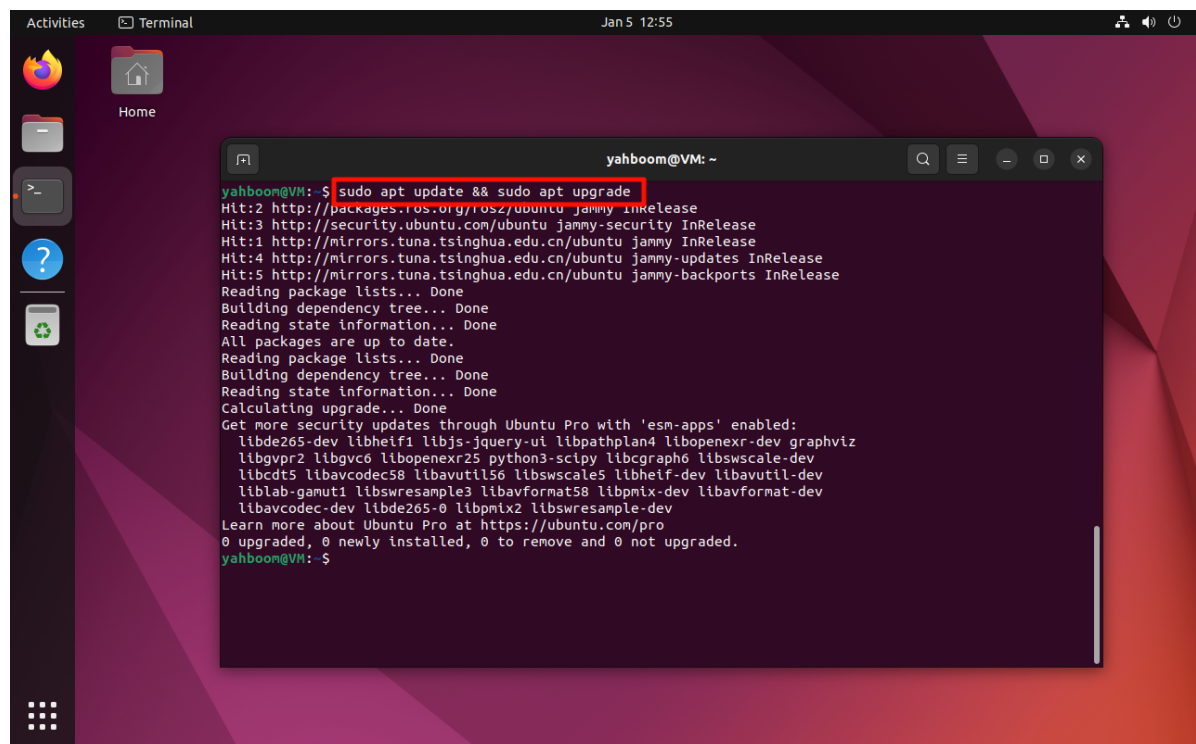
1. Update system software
2. Official script installation
  - 2.1. Install curl software
  - 2.2. Download script
  - 2.3. Run script
3. Add access permissions

Tutorial demonstrates script installation of Docker

## 1. Update system software

Make sure the system package is up to date: If the system environment has version dependency issues, just update the software source list

```
sudo apt update && sudo apt upgrade
```



## 2. Official script installation

### 2.1. Install curl software

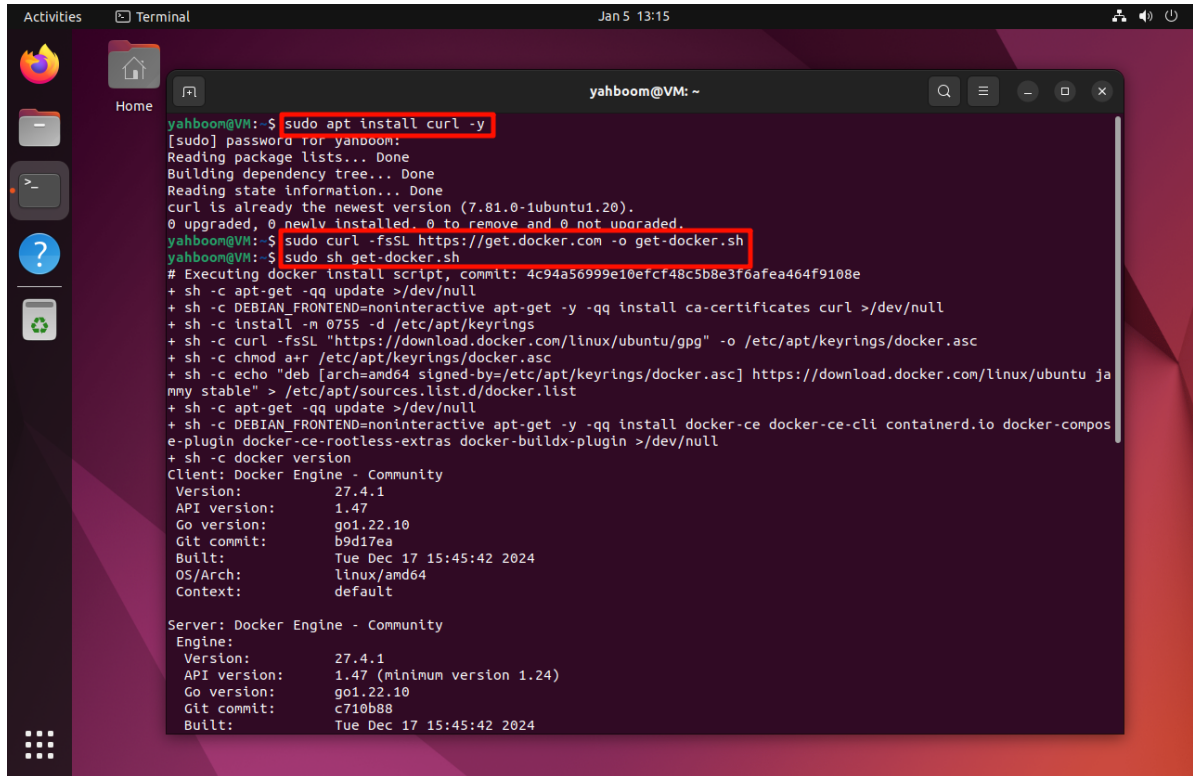
```
sudo apt install curl -y
```

## 2.2. Download script

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

## 2.3. Run script

```
sudo sh get-docker.sh
```



```
yahboom@VM: ~  
yahboom@VM:~$ sudo apt install curl -y  
[sudo] password for yahboom:  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
curl is already the newest version (7.81.0-1ubuntu1.20).  
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.  
yahboom@VM:~$ sudo curl -fsSL https://get.docker.com -o get-docker.sh  
yahboom@VM:~$ sudo sh get-docker.sh  
# Executing docker install script, commit: 4c94a56999e10efcf48c5b8e3f6afea464f9108e  
+ sh -c apt-get -qq update >/dev/null  
+ sh -c DEBIAN_FRONTEND=noninteractive apt-get -y -qq install ca-certificates curl >/dev/null  
+ sh -c install -m 0755 -d /etc/apt/keyrings  
+ sh -c curl -fsSL "https://download.docker.com/linux/ubuntu/gpg" -o /etc/apt/keyrings/docker.asc  
+ sh -c chmod a+r /etc/apt/keyrings/docker.asc  
+ sh -c echo "deb [arch=amd64 signed-by=/etc/apt/keyrings/docker.asc] https://download.docker.com/linux/ubuntu jammy stable" > /etc/apt/sources.list.d/docker.list  
+ sh -c apt-get -qq update >/dev/null  
+ sh -c DEBIAN_FRONTEND=noninteractive apt-get -y -qq install docker-ce docker-ce-cli containerd.io docker-compose-plugin docker-ce-rootless-extras docker-buildx-plugin >/dev/null  
+ sh -c docker version  
Client: Docker Engine - Community  
Version: 27.4.1  
API version: 1.47  
Go version: go1.22.10  
Git commit: b9d17ea  
Built: Tue Dec 17 15:45:42 2024  
OS/Arch: linux/amd64  
Context: default  
  
Server: Docker Engine - Community  
Engine:  
Version: 27.4.1  
API version: 1.47 (minimum version 1.24)  
Go version: go1.22.10  
Git commit: c710b88  
Built: Tue Dec 17 15:45:42 2024
```

## 3. Add access permissions

Add the current user's access permissions to the Docker daemon: You can use Docker commands without using the sudo command

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

