

Setup docker

Install using the repository

Before you install Docker Engine for the first time on a new host machine, you need to set up the Docker repository. Afterward, you can install and update Docker from the repository.

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/ubuntu/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/ubuntu \
$(lsb_release -cs) stable" | sudo tee /etc/apt/sources.list.d/docker.list >
/dev/null
```

Install Docker Engine

Update the `apt` package index, and install the *latest version* of Docker Engine, containerd, and Docker Compose, or go to the next step to install a specific version:

```
$ sudo apt-get update
```

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

Run this command

```
root@ubuntu20:~# systemctl status docker
```

```
● docker.service - Docker Application Container Engine
   Loaded: loaded (/lib/systemd/system/docker.service; enabled; vendor preset: enabled)
   Active: active (running) since Thu 2022-09-08 07:48:35 UTC; 45min ago
     TriggeredBy: ● docker.socket
       Docs: https://docs.docker.com
      Main PID: 3259 (dockerd)
         Tasks: 8
        Memory: 29.5M
         CGroup: /system.slice/docker.service
                └─3259 /usr/bin/dockerd -H fd:// --containerd=/run/containerd/containerd.sock

root@ubuntu20:~#
```