

# Ubuntu Docker

Docker Engine-Community      Ubuntu

- Xenial 16.04 (LTS)
- Bionic 18.04 (LTS)
- Cosmic 18.10
- Disco 19.04
- .....

Docker Engine - Community      x86\_64    amd64    armhf    arm64    s390x    IBM Z      ppc64le    IBM Powe

Docker      docker    docker.io    docker-engine

```
apt remove docker docker-engine docker.io containerd runc
```

Docker Engine-Community      docker-ce

Docker Engine-Community

## Docker

Docker Engine-Community

Docker

Docker

apt

```
curl -fsSL http://mirrors.aliyun.com/docker-ce/linux/ubuntu/gpg | sudo apt-key add -
sudo add-apt-repository "deb [arch=amd64] http://mirrors.aliyun.com/docker-ce/linux/ubuntu
$(lsb_release -cs) stable"
```

```
curl -fsSL http://mirrors.huaweicloud.com/docker-ce/linux/ubuntu/gpg | sudo apt-key add -
sudo add-apt-repository "deb [arch=amd64] http://mirrors.huaweicloud.com/docker-
ce/linux/ubuntu $(lsb_release -cs) stable"
```

```
apt update
```

Docker      GPG

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

```
||
```

```
curl -fsSL http://mirrors.huaweicloud.com/docker-ce/linux/ubuntu/gpg | sudo apt-key add -
```

```
||
```

```
curl -fsSL http://mirrors.aliyun.com/docker-ce/linux/ubuntu/gpg | sudo apt-key add -
```

## Docker Engine-Community

apt

```
sudo apt update
```

Docker Engine-Community containerd

```
sudo apt install docker-ce docker-ce-cli containerd.io -y
```

Docker :

```
docker run hello-world
```

```
Unable to find image 'hello-world:latest' locally
```

```
latest: Pulling from library/hello-world
```

```
1b930d010525: Pull
```

```
complete
```

```
Digest: sha256:c3b4ada4687bbaa170745b3e4dd8ac3f194ca95b2d0518b417fb47e5879d9b5f
```

```
Status: Downloaded newer image for hello-world:latest
```

```
Hello from Docker!
```

```
This message shows that your installation appears to be working correctly.
```

To generate this message, Docker took the following steps:

1. The Docker client contacted the Docker daemon.
2. The Docker daemon pulled the "hello-world" image from the Docker Hub.  
(amd64)
3. The Docker daemon created a new container from that image which runs the executable that produces the output you are currently reading.
4. The Docker daemon streamed that output to the Docker client, which sent it

to your terminal.

To try something more ambitious, you can run an Ubuntu container with:

```
docker run -it ubuntu bash
```

Share images, automate workflows, and more with a free Docker ID:

<https://hub.docker.com/>

For more examples and ideas, visit:

<https://docs.docker.com/get-started/>

## Shell

Docker [get.docker.com](https://get.docker.com) [test.docker.com](https://test.docker.com)

Docker Engine-Community

- `root` `sudo`
- `Linux` `Docker` `edge`
- `Docker`

[get.docker.com](https://get.docker.com)

`Linux`

Docker Engine-Community

[test.docker.com](https://test.docker.com)

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

Docker `root`

`docker`

```
usermod -aG docker your-user
```

```
usermod -aG docker develop
```

```
sudo mkdir -p /etc/docker
sudo tee /etc/docker/daemon.json <<- 'EOF'
{
  "registry-mirrors": ["https://xviwkyb8.mirror.aliyuncs.com"]
}
EOF
```

```
sudo systemctl daemon-reload  
sudo systemctl restart docker
```

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Revision #7

Created 16 March 2020 04:28:56 by

Updated 20 June 2024 06:01:37 by