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 test.docker.com Docker Engine-Community

- root sudo
- Linux Docker
- Docker edge
- Docker

get.docker.com Linux Docker Engine-Community 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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