



you



Linux

node v16
redis v6

new teammate



MacOS

node v20
redis v7



you



Linux

node v16
redis v6

new teammate

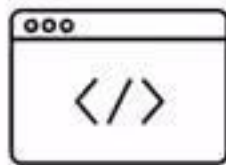


MacOS

node v20
redis v7



Docker Container



Docker Container



portable

lightweight



node v16





Docker Desktop

The #1 containerization software for developers and teams

Your command center for innovative container development

[Get Started](#) [Download for Mac - Apple Silicon](#) ▾

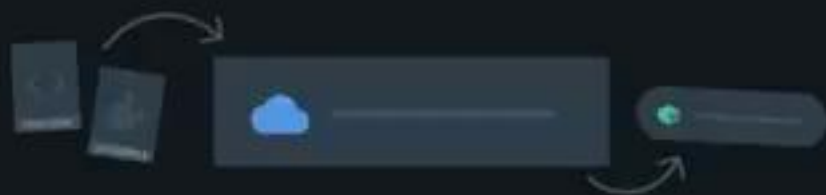


Commercial use of Docker Desktop at a company of more than **250 employees** Or more than **\$10 million** in annual revenue requires a paid subscription (Pro, Team, or Business)



Hey! 🐙 What brings you here





Images are used to run containers

You can either build an image from a Dockerfile, or download an existing image to run

[Search images to run](#)

14



```
1. FROM node
2. RUN npm install -g
3. WORKDIR /app
4. CMD node package
```

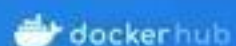
How do I run a container?

6 mins



Run Docker

5 mins



Explore

Repositories

Organizations

Search Docker Hub

3K+K



A

Explore / Official Images / hello-world

>hello
world

hello-world

Docker Official Image · 1B+ · 2.3K

Hello World! (an example of minimal Dockerization)

docker pull hello-world

Copy

Overview

Tags

Quick reference

- Maintained by:
[the Docker Community](#)
- Where to get help:
[the Docker Community Slack](#), [Server Fault](#), [Unix & Linux](#), or [Stack Overflow](#)

Supported tags and respective Dockerfile links

(See ["What's the difference between 'Shared' and 'Simple' tags?"](#) in the FAQ.)

Simple Tags

- [linux](#)
- [nanoserver-itsc2022](#)
- [nanoserver-1809](#)

Recent Tags

[nanoserver-itsc2022](#)
[nanoserver-1809](#)
[nanoserver-1709](#)
[nanoserver1709](#)

About Official Images

Docker Official Images are Docker open source repositories.

Why Official Images?

These images have clear documentation,



apnacollege — root@7091edbcfa1a: / — zsh — 103x27

```
Digest: sha256:94323f3e5e09a8b9515d74337010375a456c909543e1ff1538f5116d38ab3989
Status: Downloaded newer image for hello-world:latest
docker.io/library/hello-world:latest
apnacollege@Shradha ~ % docker run hello-world
```

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.
(arm64v8)
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/>

apnacollege@Shradha ~ %



apnacollege — root@3f7318b30306: / — docker run -it ubuntu — 103x27

```
apnacollege@Shradha ~ % docker run -it ubuntu
```

```
Unable to find image 'ubuntu:latest' locally
```

```
latest: Pulling from library/ubuntu
```

```
eed1663d2238: Pull complete
```

```
Digest: sha256:2e863c44b718727c860746568e1d54afd13b2fa71b160f5cd9058fc436217b30
```

```
Status: Downloaded newer image for ubuntu:latest
```

```
root@3f7318b30306:/#
```



apnacollege — root@3f7318b30306: / — docker run -it ubuntu — 103x27

```
apnacollege@Shradha ~ % docker run -it ubuntu
Unable to find image 'ubuntu:latest' locally
latest: Pulling from library/ubuntu
eed1663d2238: Pull complete
Digest: sha256:2e863c44b718727c860746568e1d54afd13b2fa71b160f5cd9058fc436217b30
Status: Downloaded newer image for ubuntu:latest
root@3f7318b30306: /#
```



apnacollege — root@3f7318b30306: / — zsh — 103x27

```
apnacollege@Shradha ~ % docker run -it ubuntu
```

```
Unable to find image 'ubuntu:latest' locally
```

```
latest: Pulling from library/ubuntu
```

```
eed1663d2238: Pull complete
```

```
Digest: sha256:2e863c44b718727c860746568e1d54afd13b2fa71b160f5cd9058fc436217b30
```

```
Status: Downloaded newer image for ubuntu:latest
```

```
root@3f7318b30306:/# ls
```

```
bin boot dev etc home lib media mnt opt proc root run sbin srv sys tmp usr var
```

```
root@3f7318b30306:/# mkdir apnacollege
```

```
root@3f7318b30306:/# ls
```

```
apnacollege boot etc lib mnt proc run srv tmp var
```

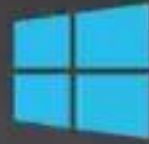
```
bin dev home media opt root sbin sys usr
```

```
root@3f7318b30306:/# exit
```

```
exit
```

```
apnacollege@Shradha ~ % docker stop 3f7318b30306
```





Application Layer

Host OS Kernel

Hardware

