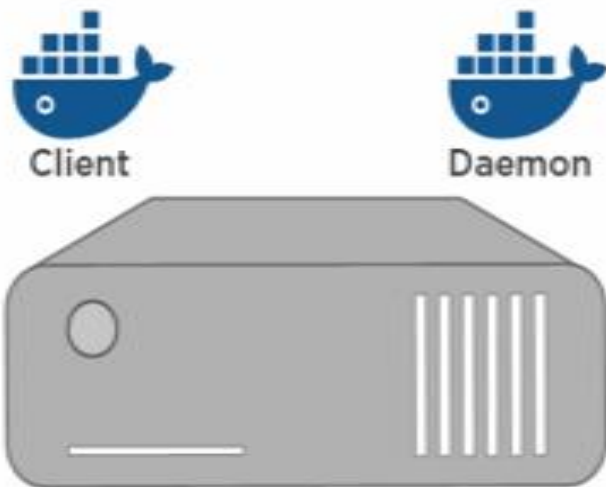


# Container Life Cycle and Docker Architecture



Installing Docker gives  
you the **client** and  
**daemon**

```
$ docker run hello-world
```



Client

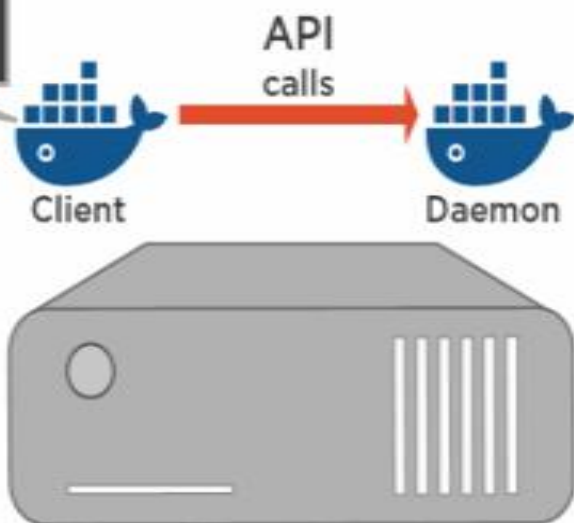


Daemon



Installing Docker gives  
you the **client** and  
**daemon**

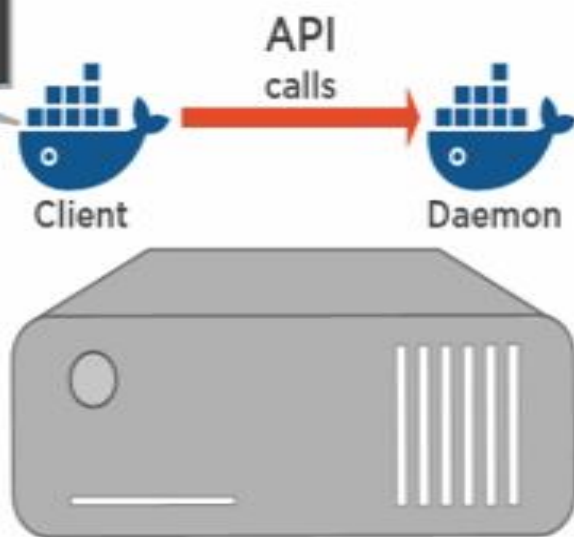
```
$ docker run hello-world
```



Installing Docker gives you the **client** and **daemon**

Client makes API calls to daemon

```
$ docker run hello-world
```

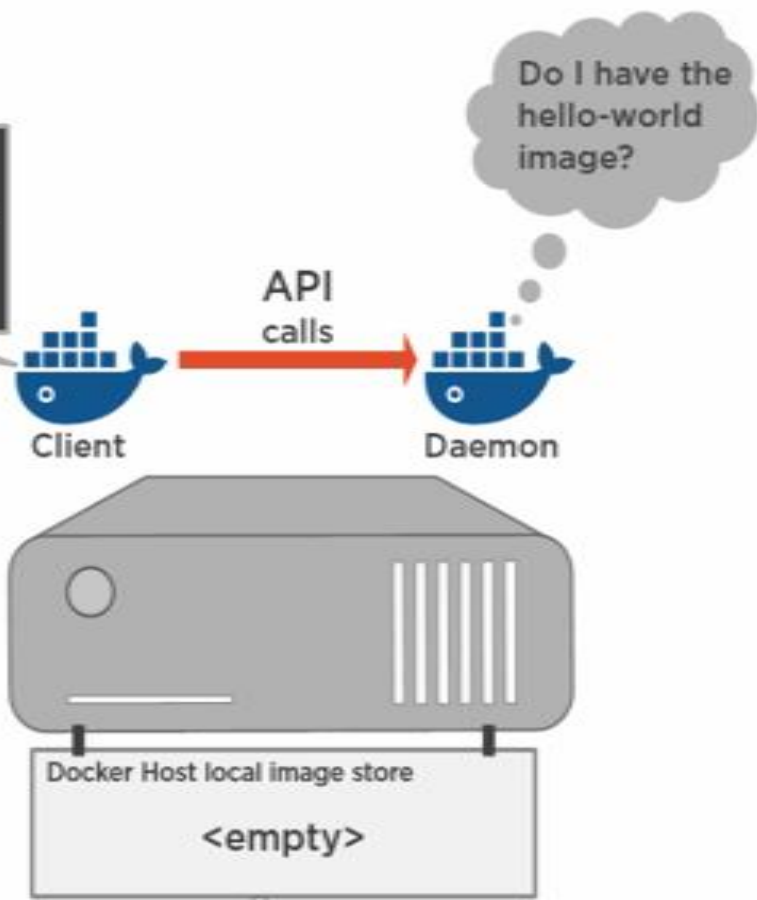


Installing Docker gives you the **client** and **daemon**

Client makes API calls to daemon

Daemon implements the *Docker Remote API*

```
$ docker run hello-world
```



Installing Docker gives you the **client** and **daemon**

Client makes API calls to daemon

Daemon implements the *Docker Remote API*

`docker run` starts a new container

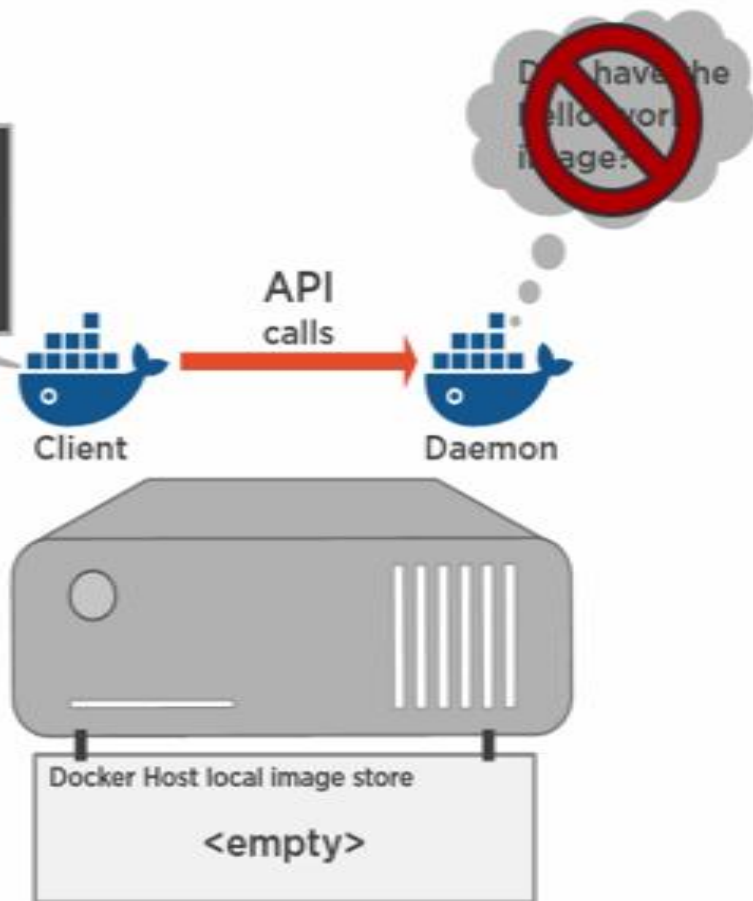
Installing Docker gives you the **client** and **daemon**

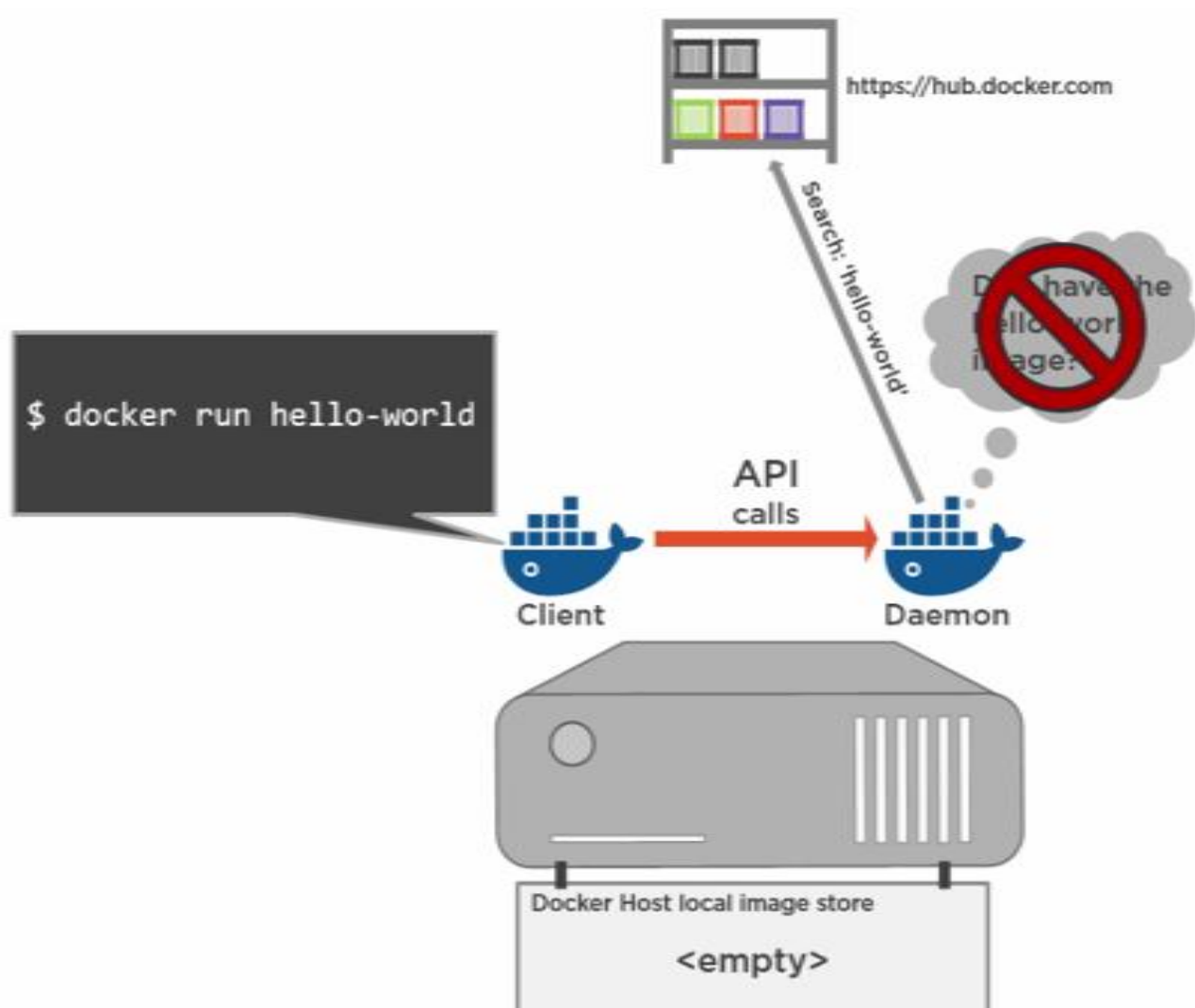
Client makes API calls to daemon

Daemon implements the *Docker Remote API*

`docker run` starts a new container

```
$ docker run hello-world
```





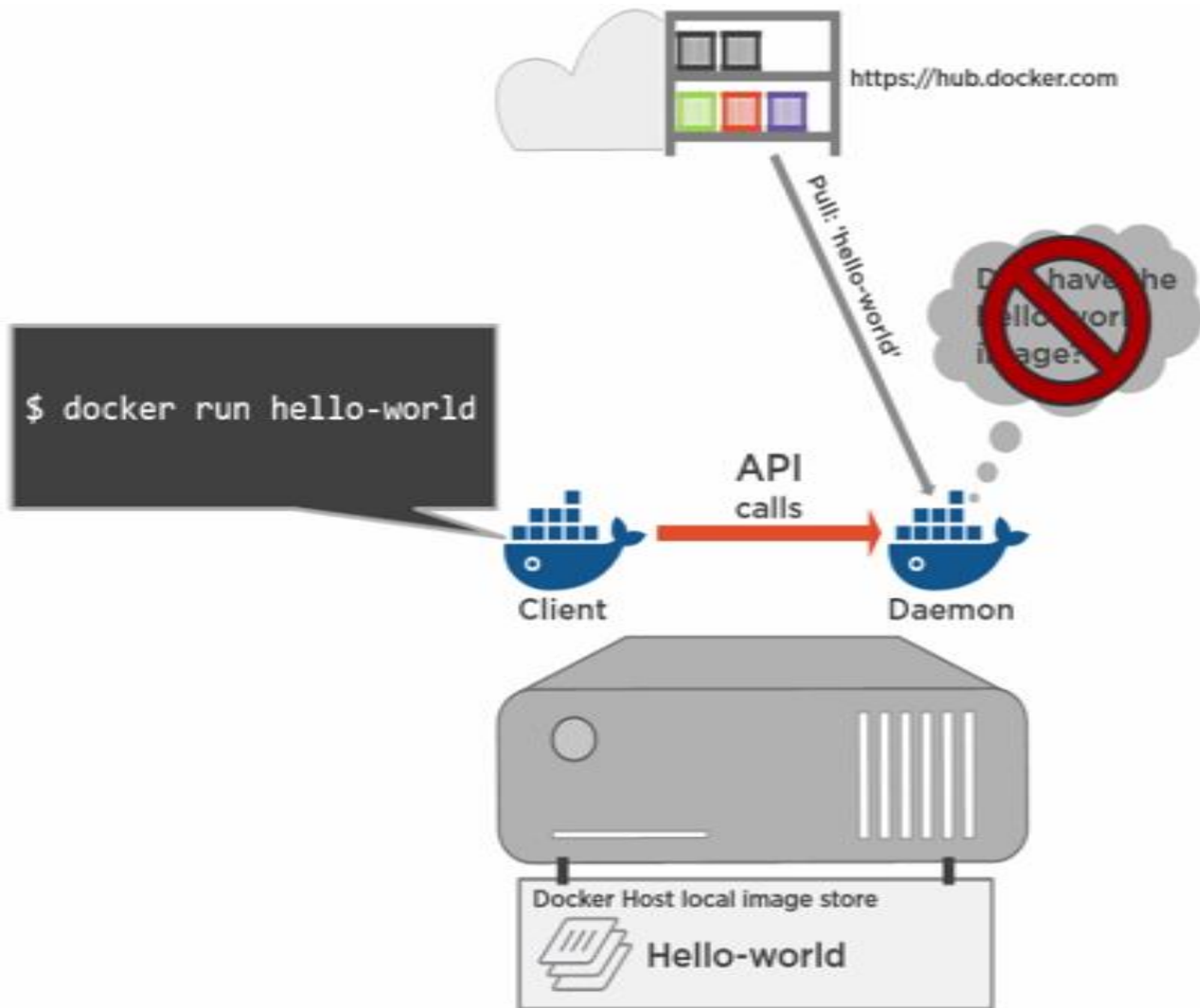
Installing Docker gives you the **client** and **daemon**

Client makes API calls to daemon

Daemon implements the *Docker Remote API*

`docker run` starts a new container





Installing Docker gives you the **client** and **daemon**

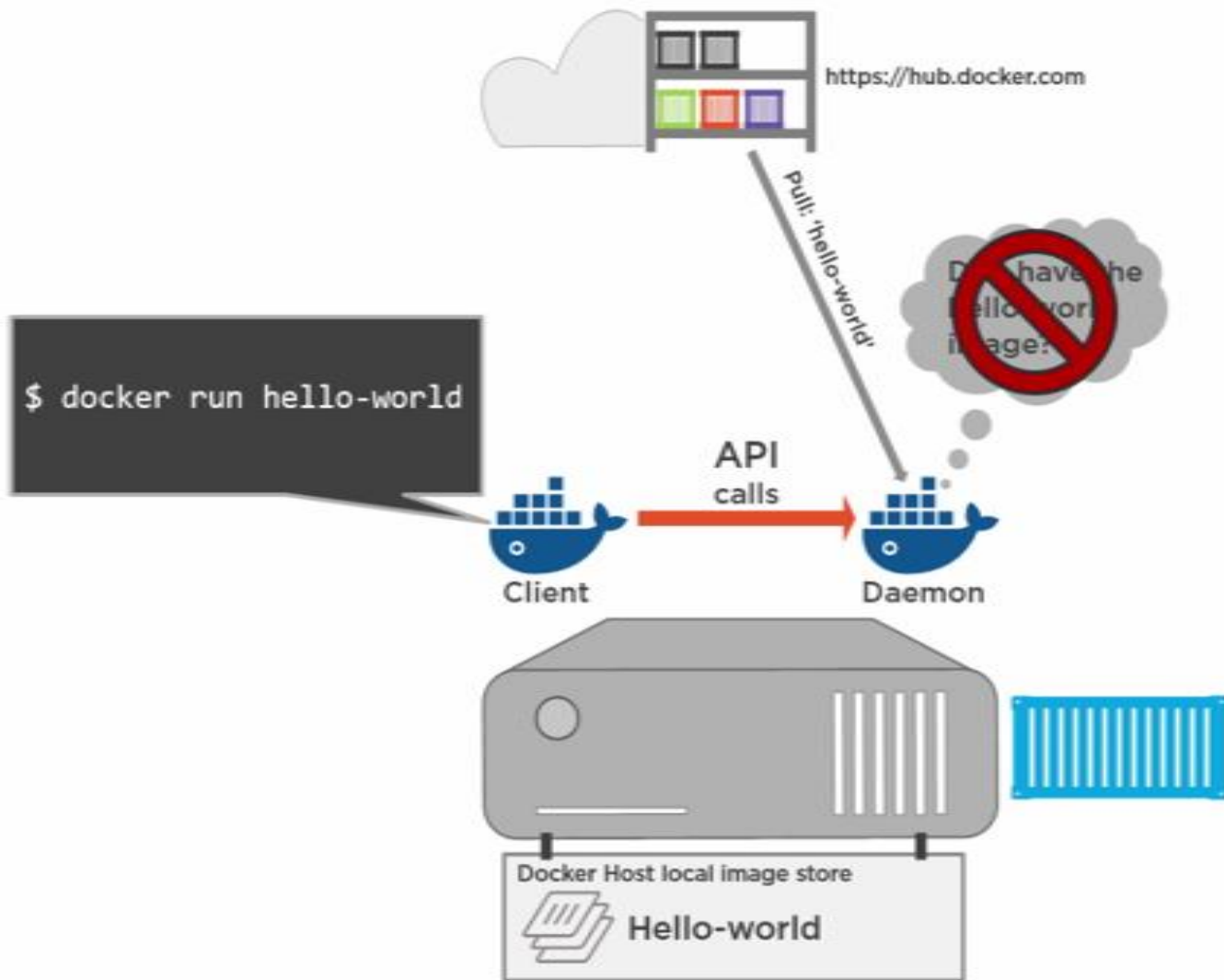
Client makes API calls to daemon

Daemon implements the *Docker Remote API*

`docker run` starts a new container

**Docker Hub** is the default public registry

The daemon will *pull* images that it doesn't already have



Installing Docker gives you the **client** and **daemon**

Client makes API calls to daemon

Daemon implements the *Docker Remote API*

`docker run` starts a new container

**Docker Hub** is the default public registry

The daemon will *pull* images that it doesn't already have

# Container Life Cycle

RUNNING (UP)



`docker start <container>`

`docker stop <container>`



STOPPED  
(EXITED)

# Docker Architecture

