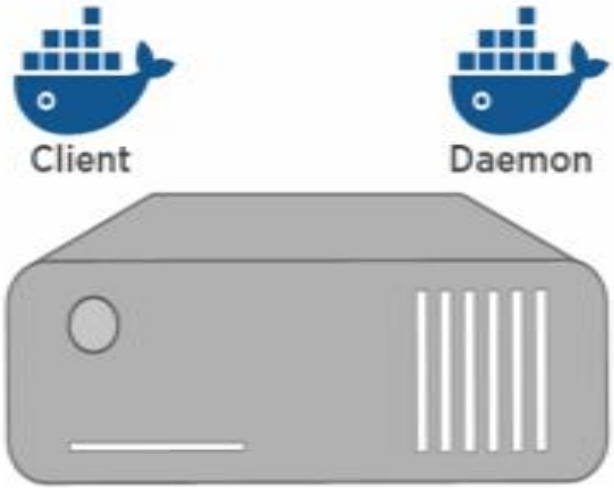
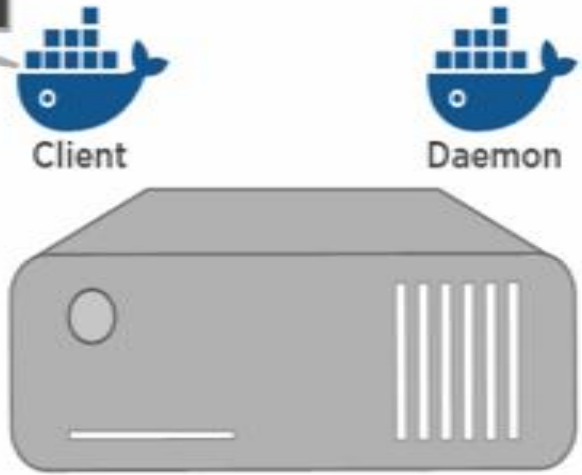
Container Life Cycle and Docker Architecture

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



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

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



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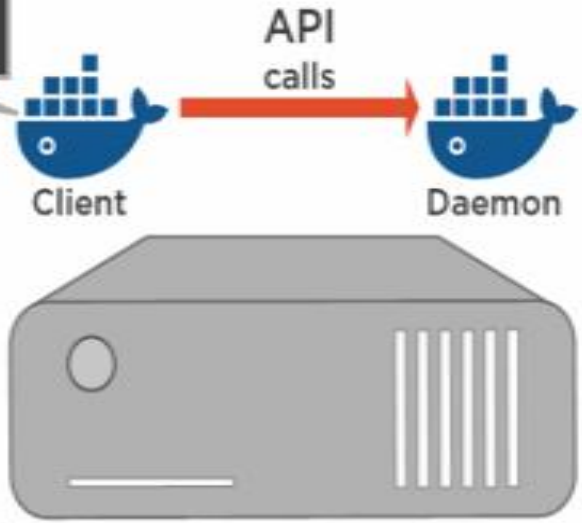

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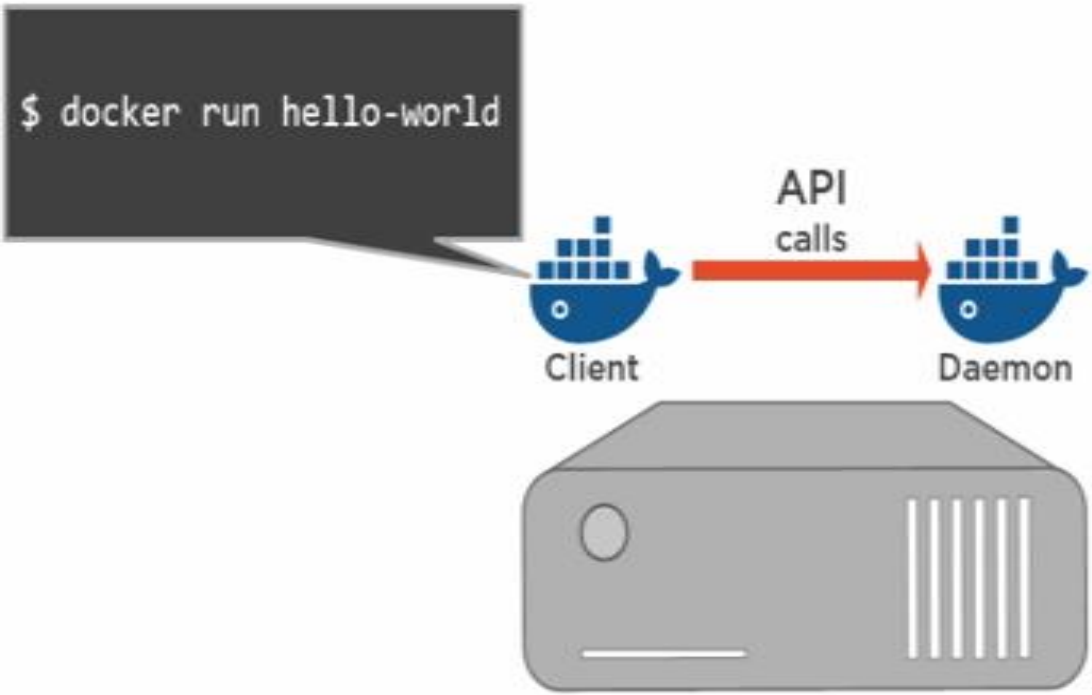
Client makes API calls to daemon



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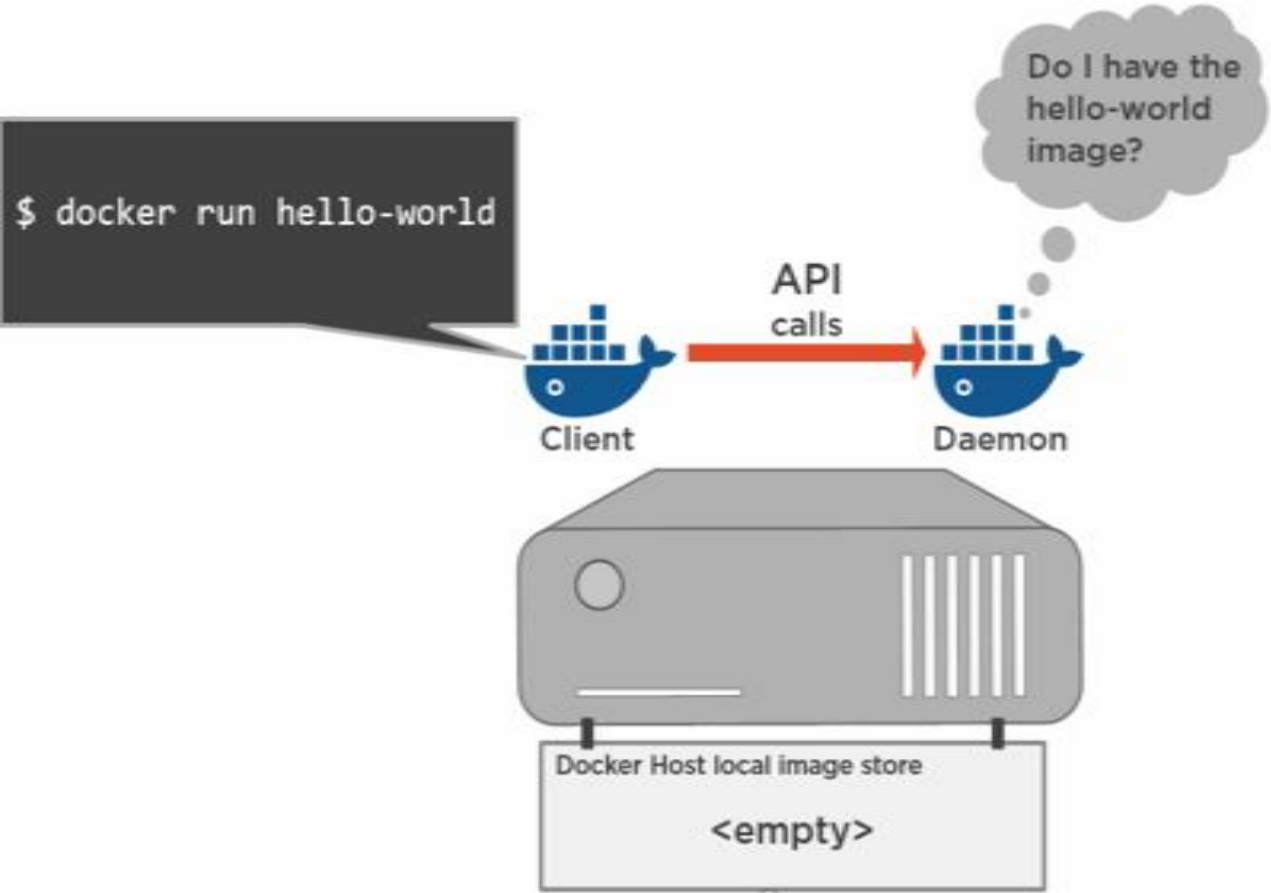
Daemon implements the *Docker Remote API*



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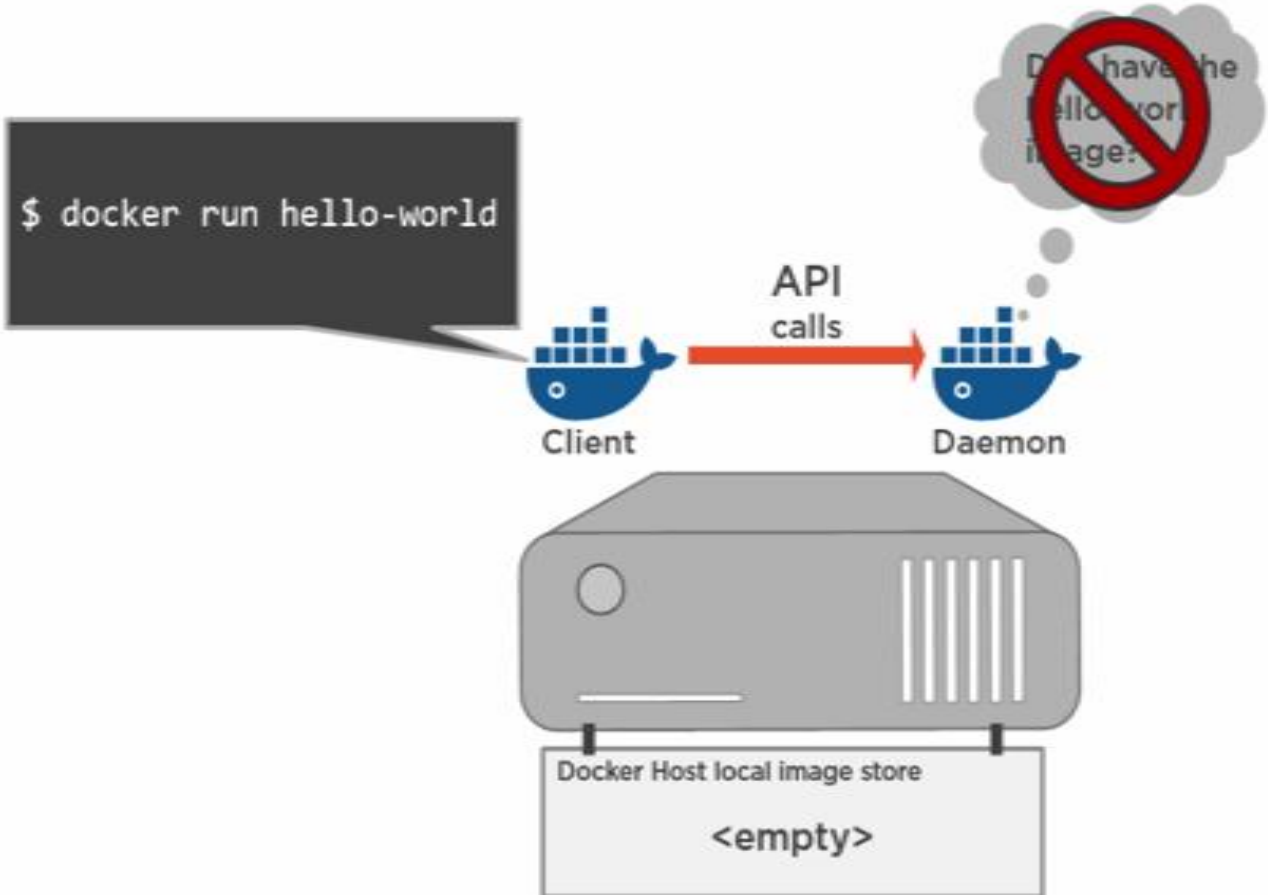

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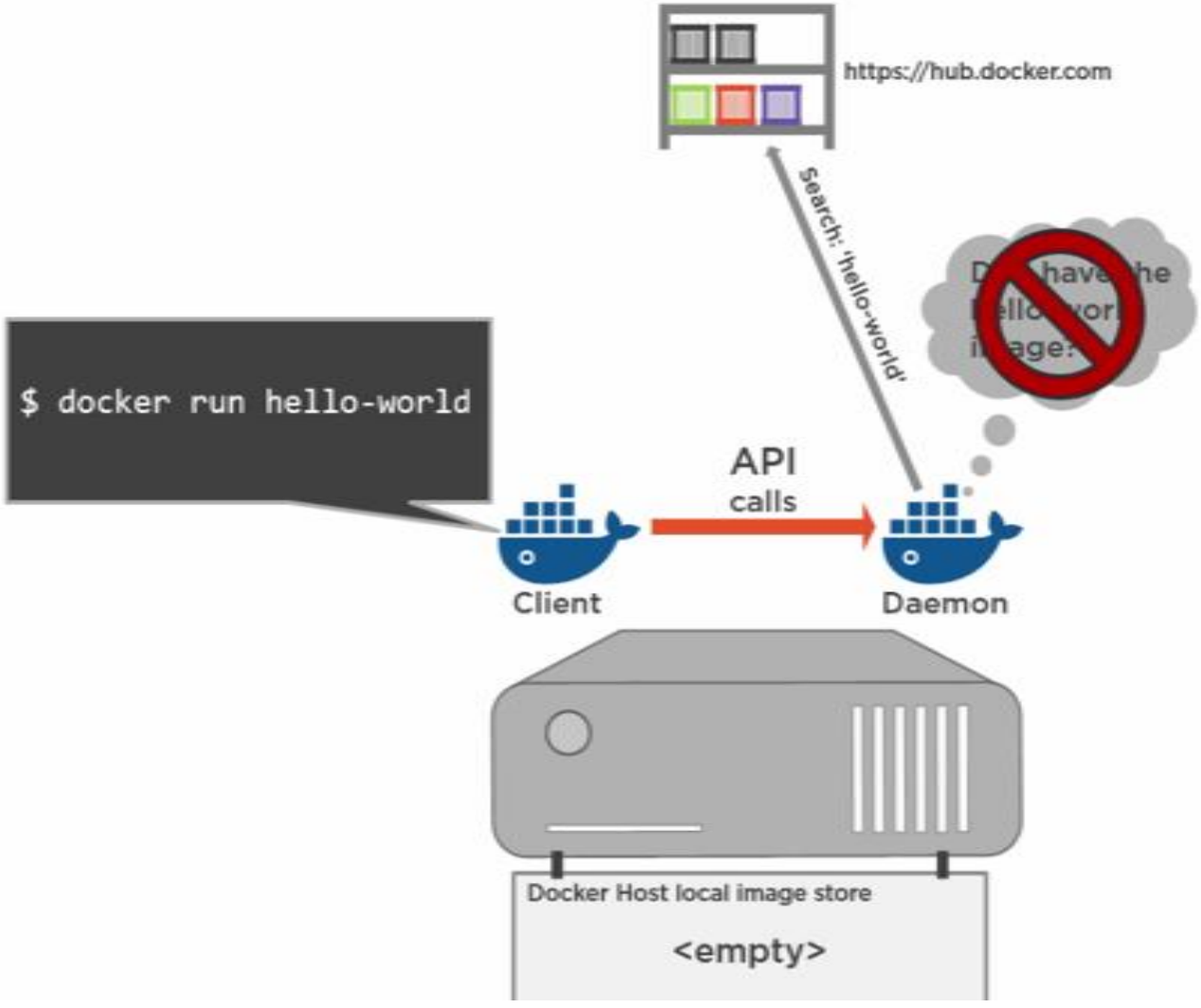

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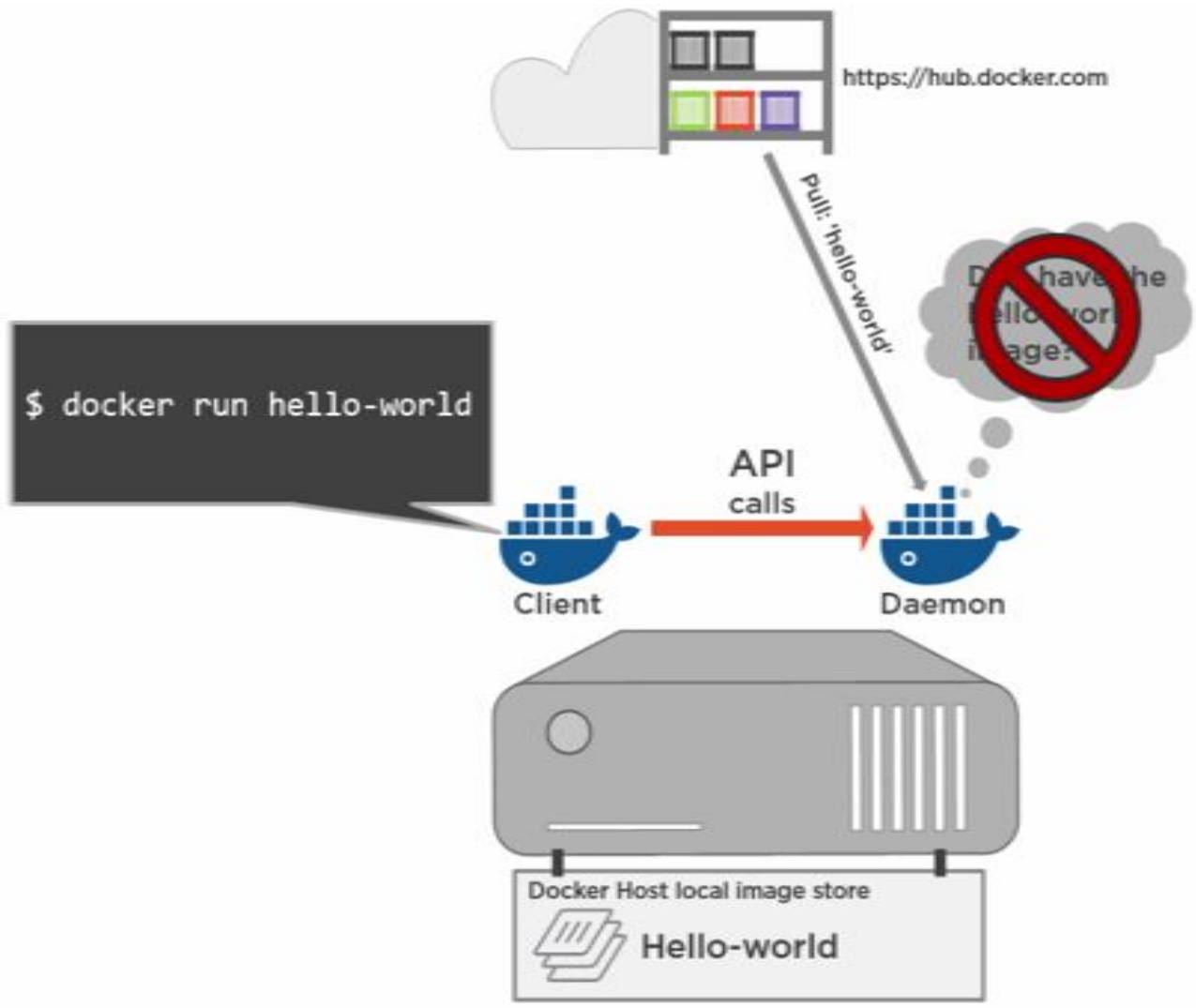

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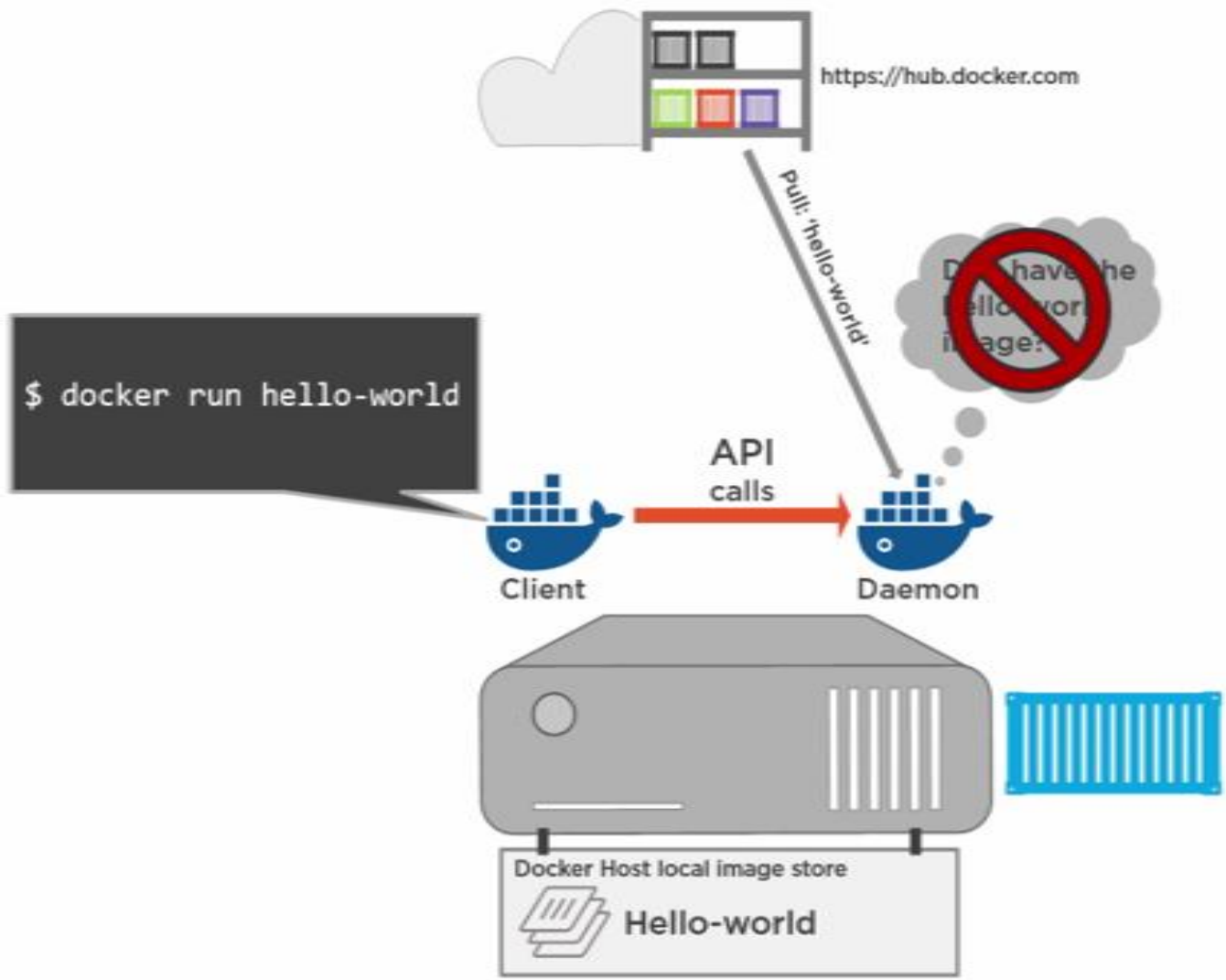
Docker Hub is the default public registry

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



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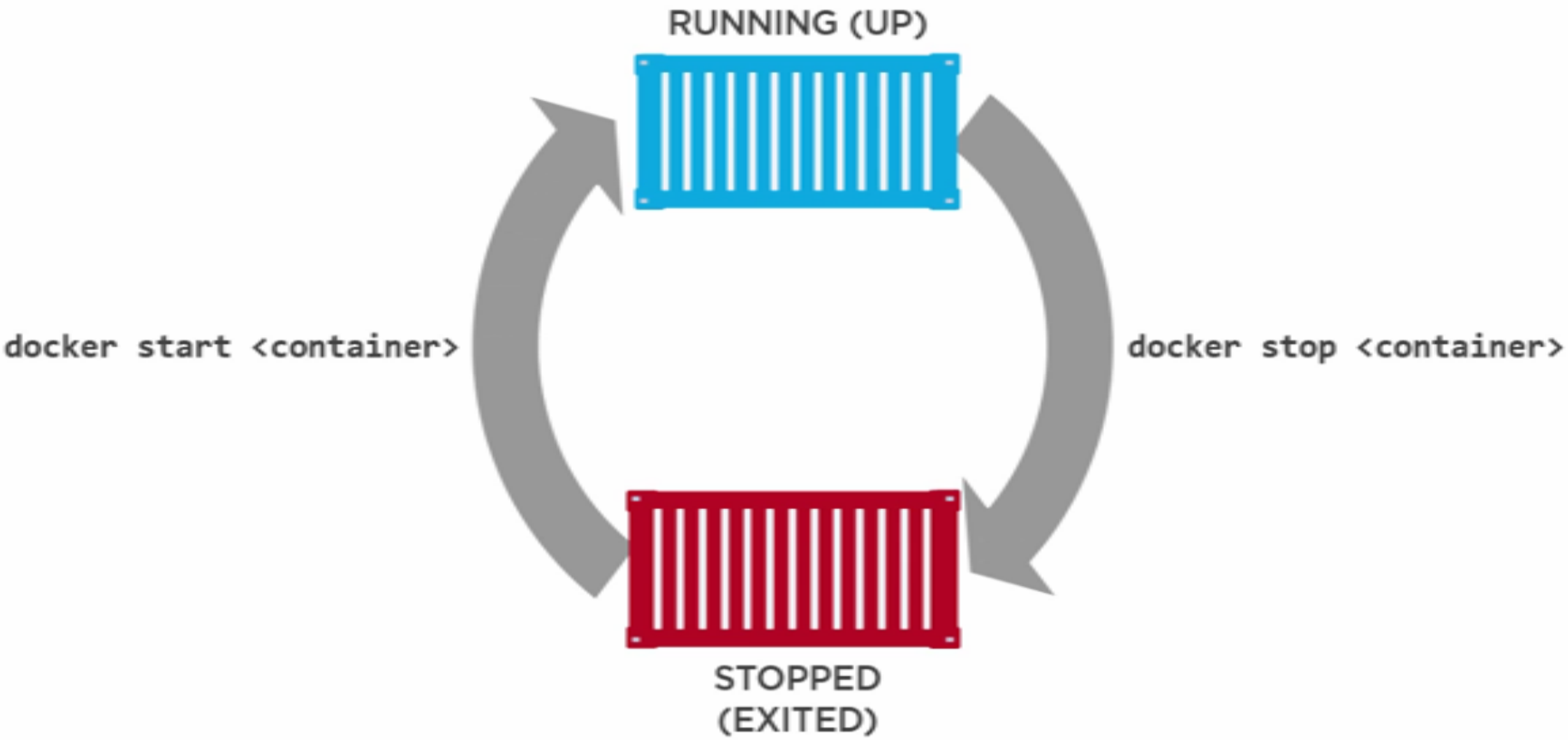
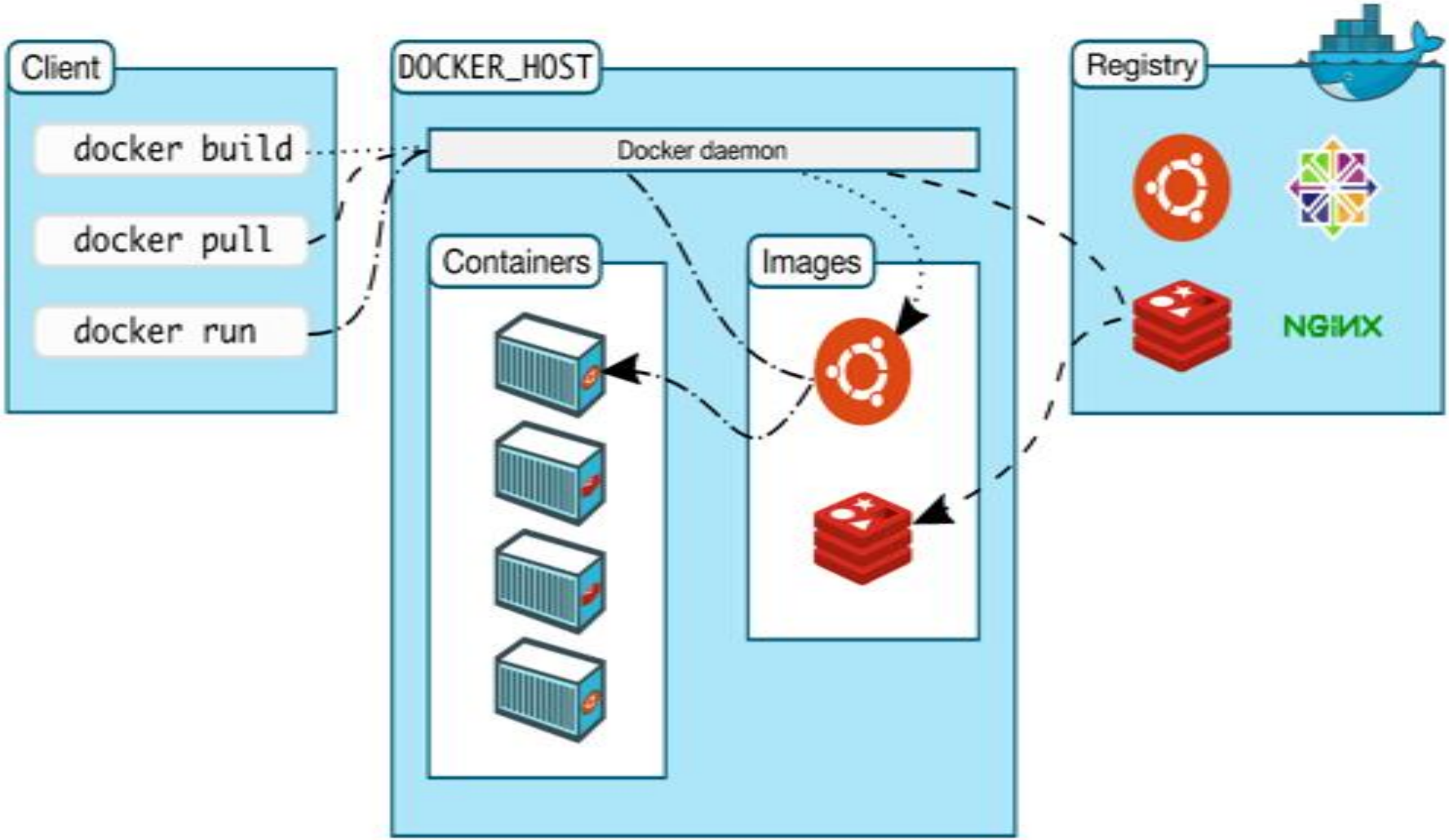
Container Life Cycle


RUNNING (UP)
docker start <container>
docker stop <container>
STOPPED
(EXITED)

Docker Architecture


Client
docker build
docker pull
docker run
DOCKER_HOST
Docker daemon
Containers
Images
Registry
NGINX