

# Docker

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# Before we start..

## Login-Docker for Windows/Mac

Create Login

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

Login into Docker Lab

<https://labs.play-with-docker.com/>

# Login-Docker for Windows/Mac

Steps

Sign up for a Docker Hub  
account

*docker.com*

Download/Install Docker for  
Mac

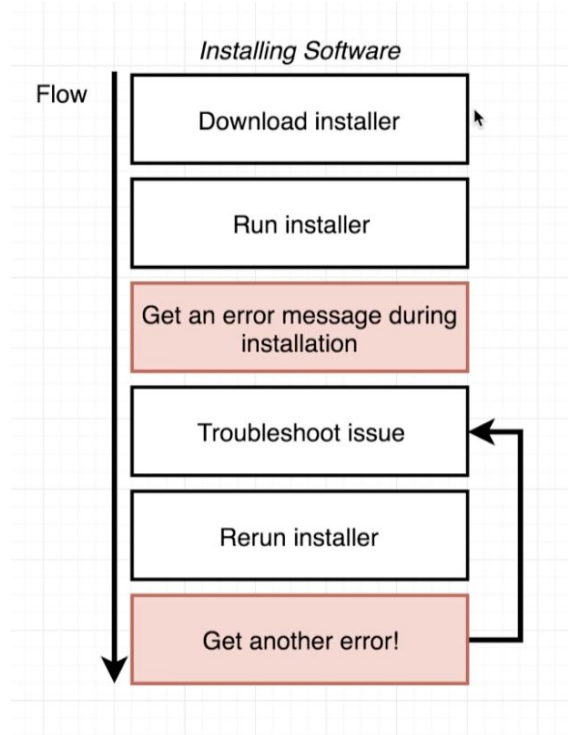
Login to Docker

Verify Docker installation

# Agenda

1. What is docker/why we use Docker
2. Very first Docker terminology
3. Docker for Windows/Mac-Components
4. Using Docker client
5. A container..
6. How your computer is running Docker

# 1. What is Docker/Why we use Docker



# 1. What is Docker/Why we use Docker

<https://redis.io/download>

## Installation

### From source code

Download, extract and compile Redis with:

```
$ wget https://download.redis.io/releases/redis-6.2.5.tar.gz
$ tar xzf redis-6.2.5.tar.gz
$ cd redis-6.2.5
$ make
```

# 1. What is Docker/Why we use Docker

<https://redis.io/download>

The binaries that are now compiled are available in the `src` directory. Run Redis with:

```
$ src/redis-server
```

You can interact with Redis using the built-in client:

```
$ src/redis-cli  
redis> set foo bar  
OK  
redis> get foo  
"bar"
```

# 1. What is Docker/Why we use Docker

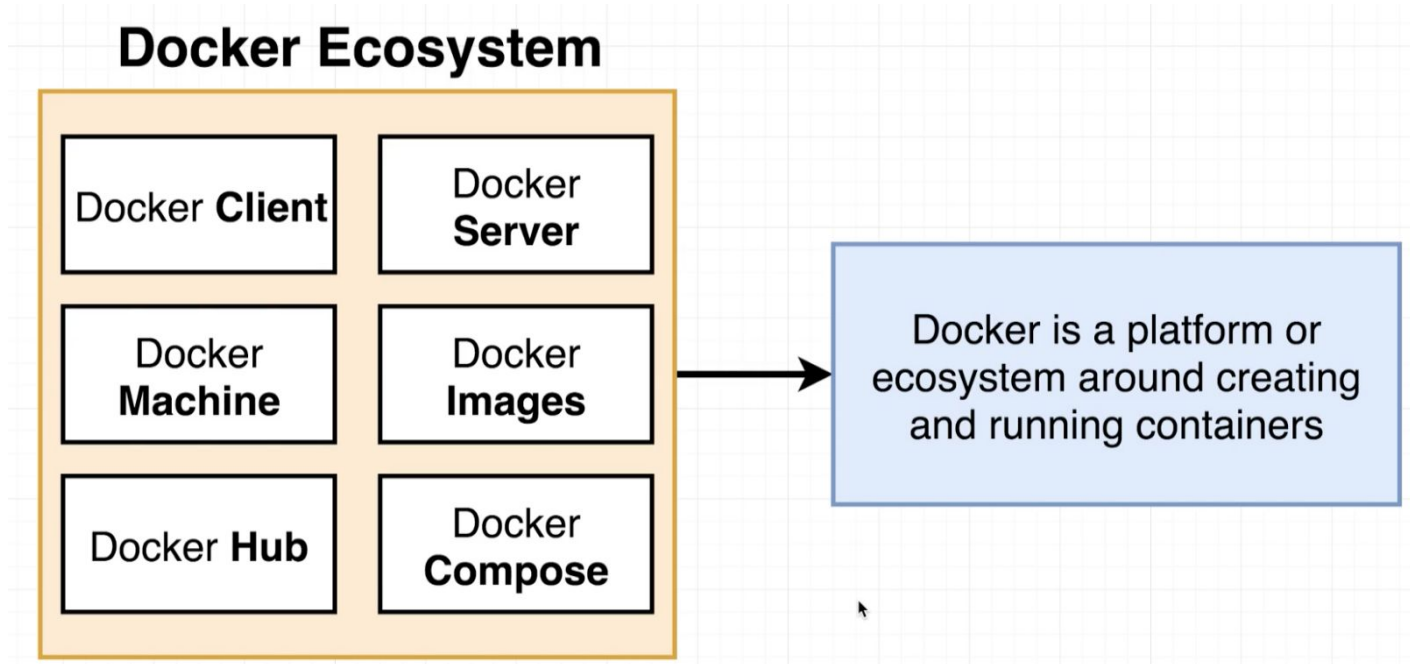
Run > `docker run -it redis`

**Why use Docker?**

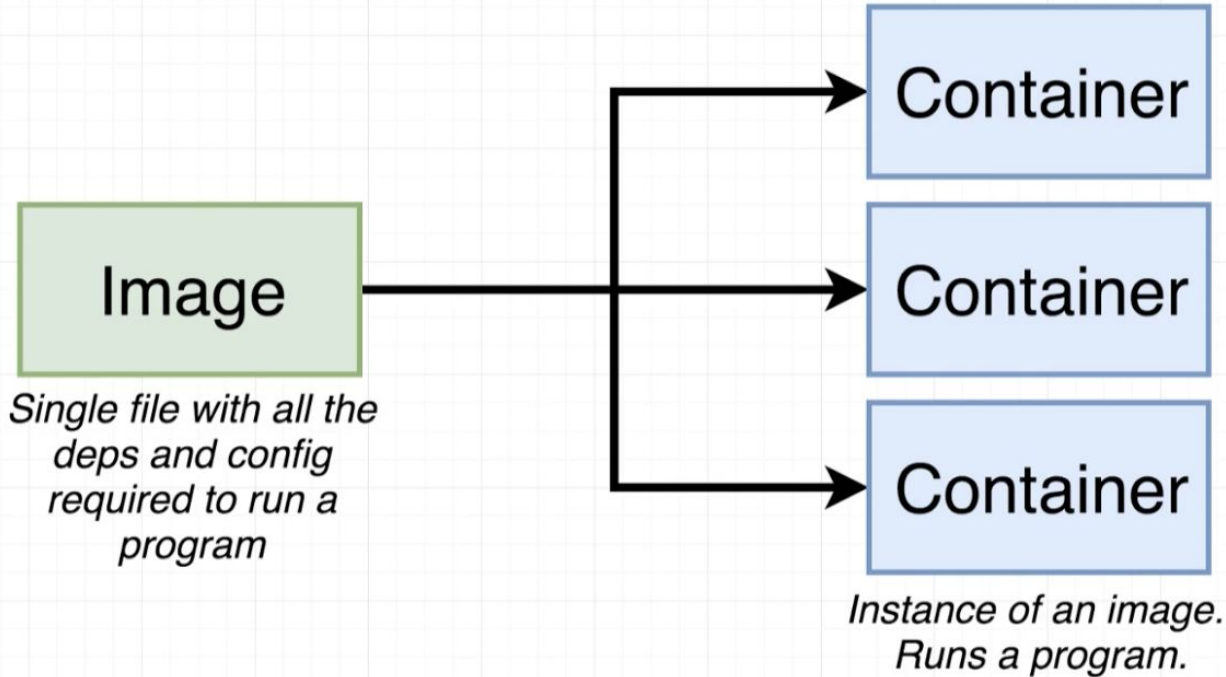
Docker makes it really easy to install and run software without worrying about setup or dependencies



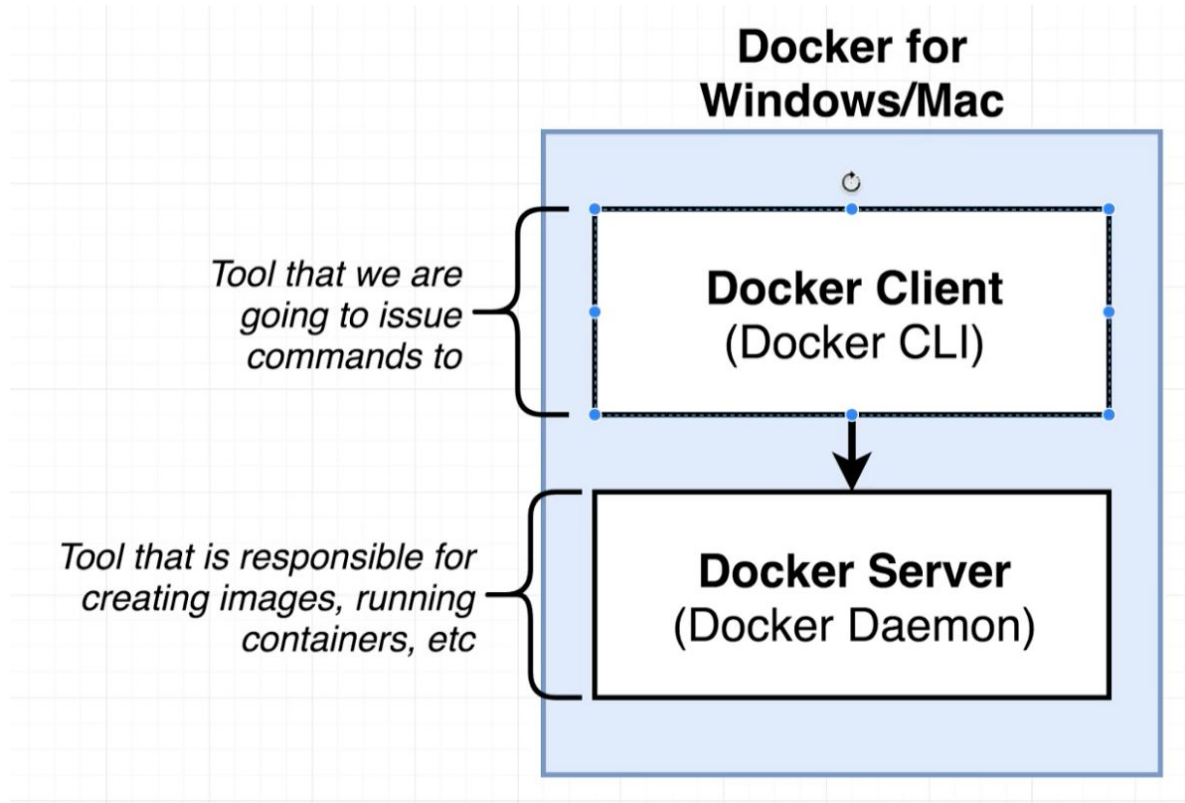
# 1. What is Docker/Why we use Docker



## 2. Very first Docker terminology

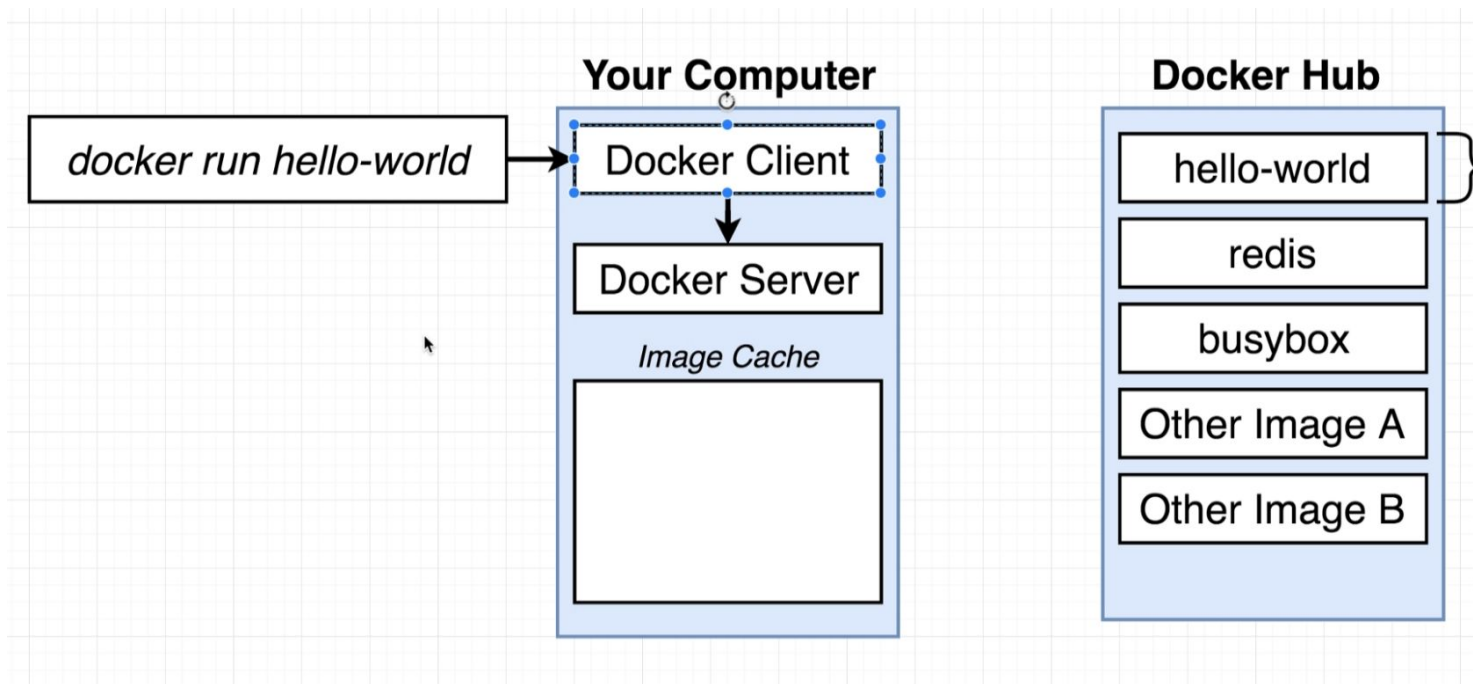


### 3. Docker for Windows/Mac-Components

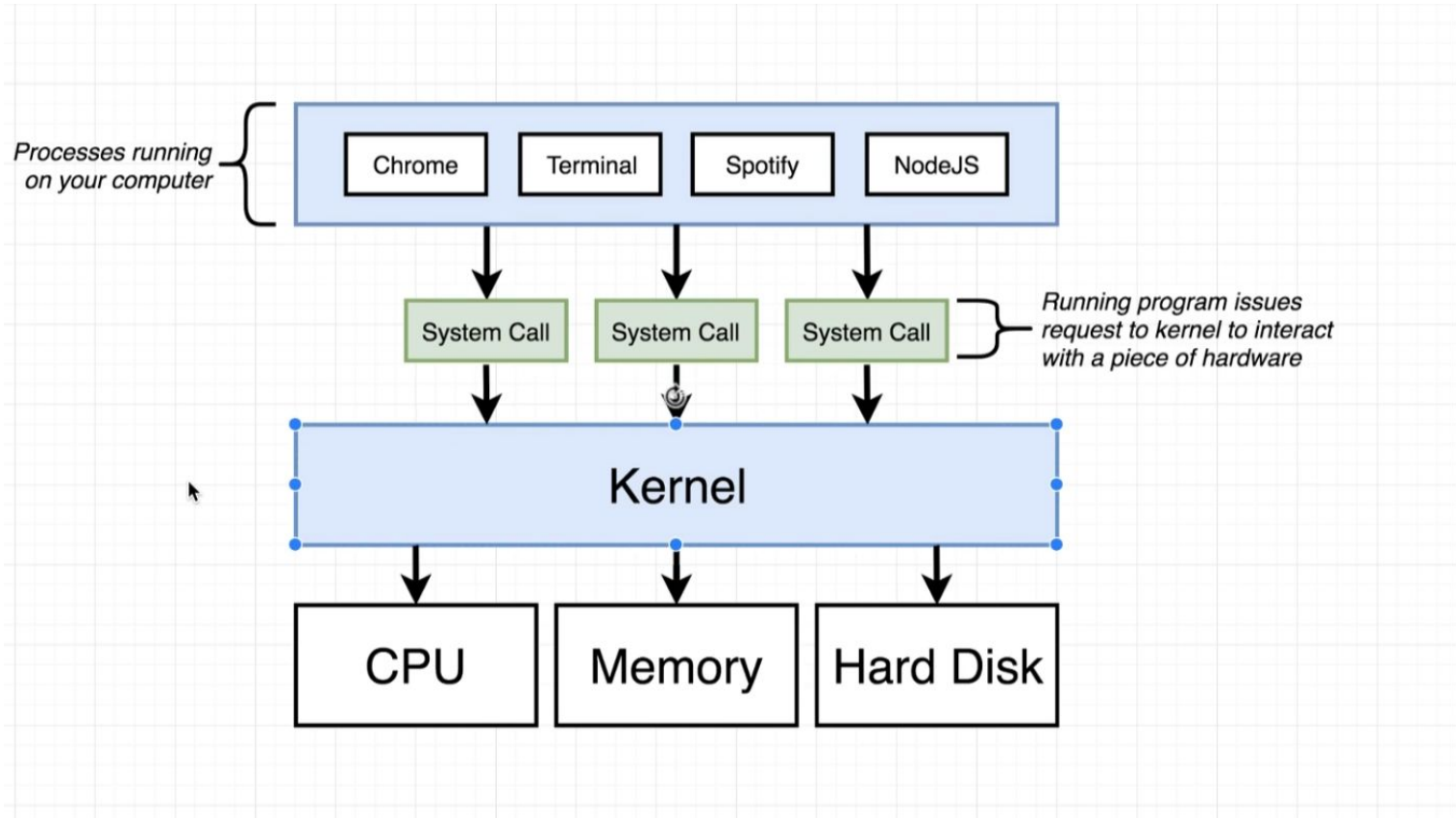


## 4. Using Docker client

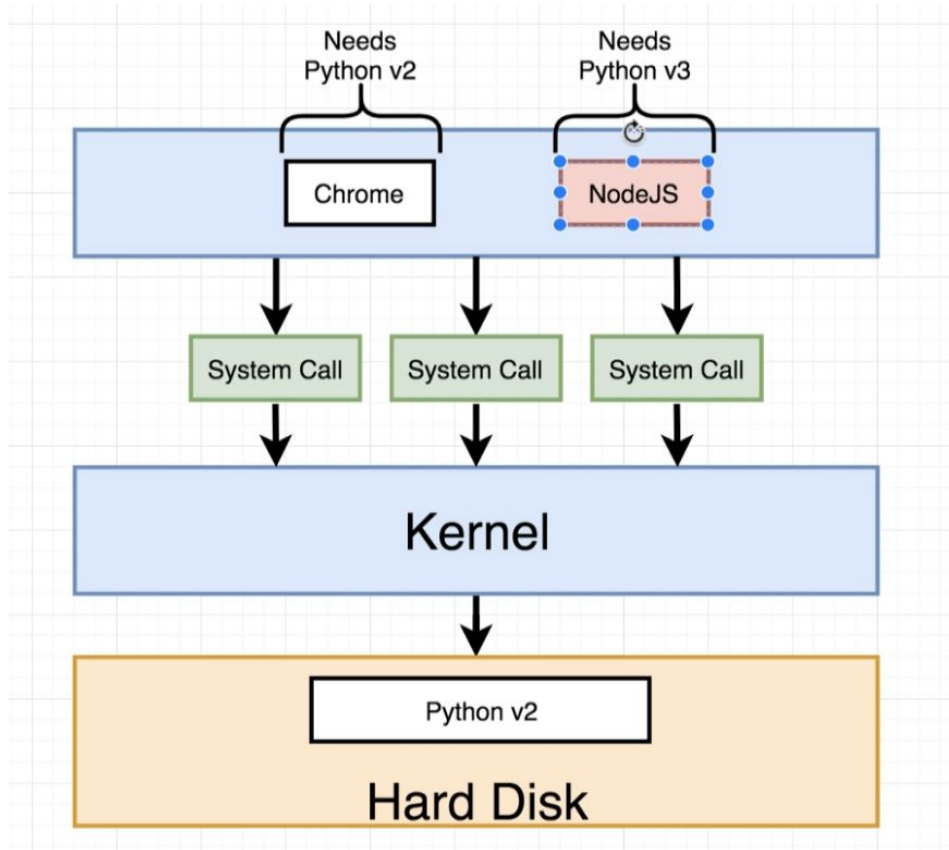
Docker run hello-world



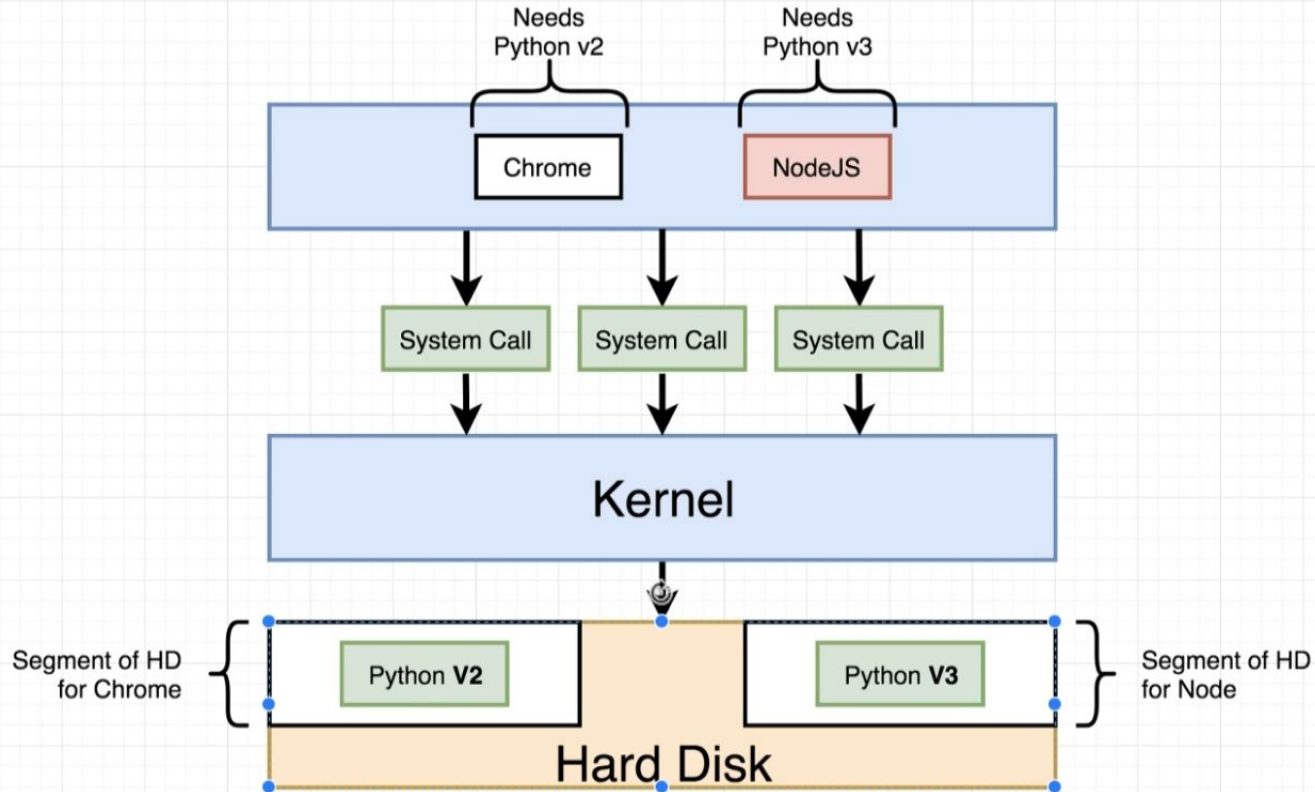
## 5. A container..



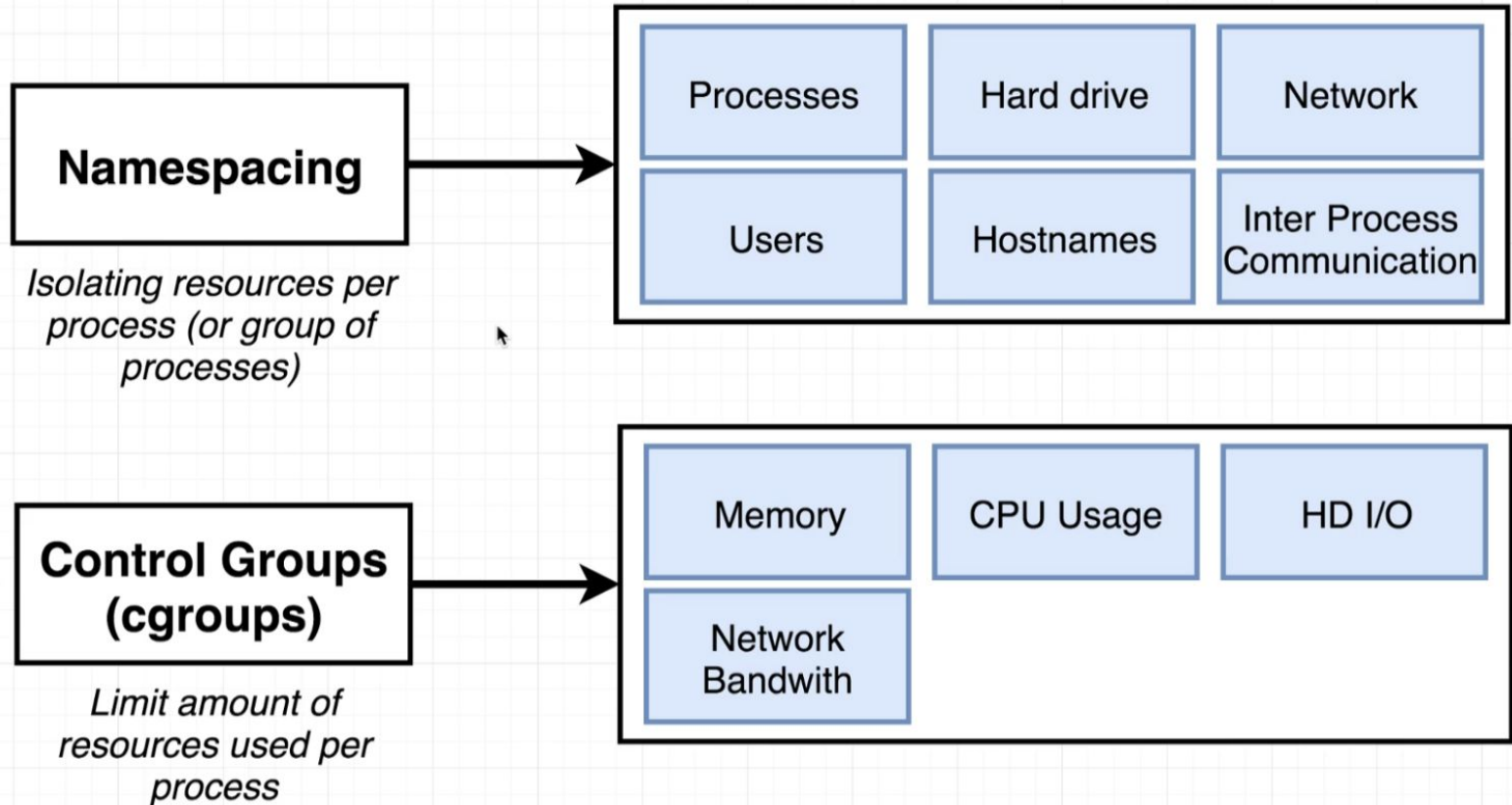
## 5. A container..



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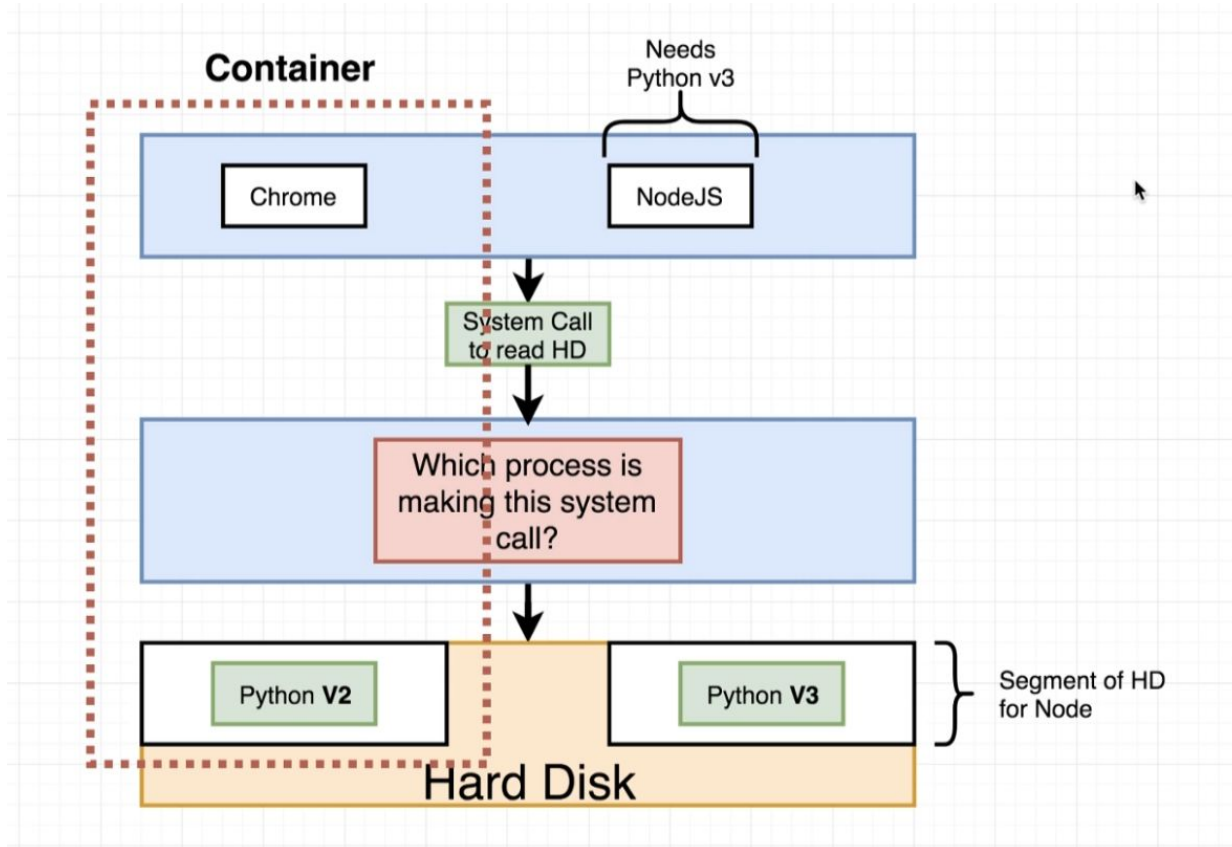


## 5. A container..

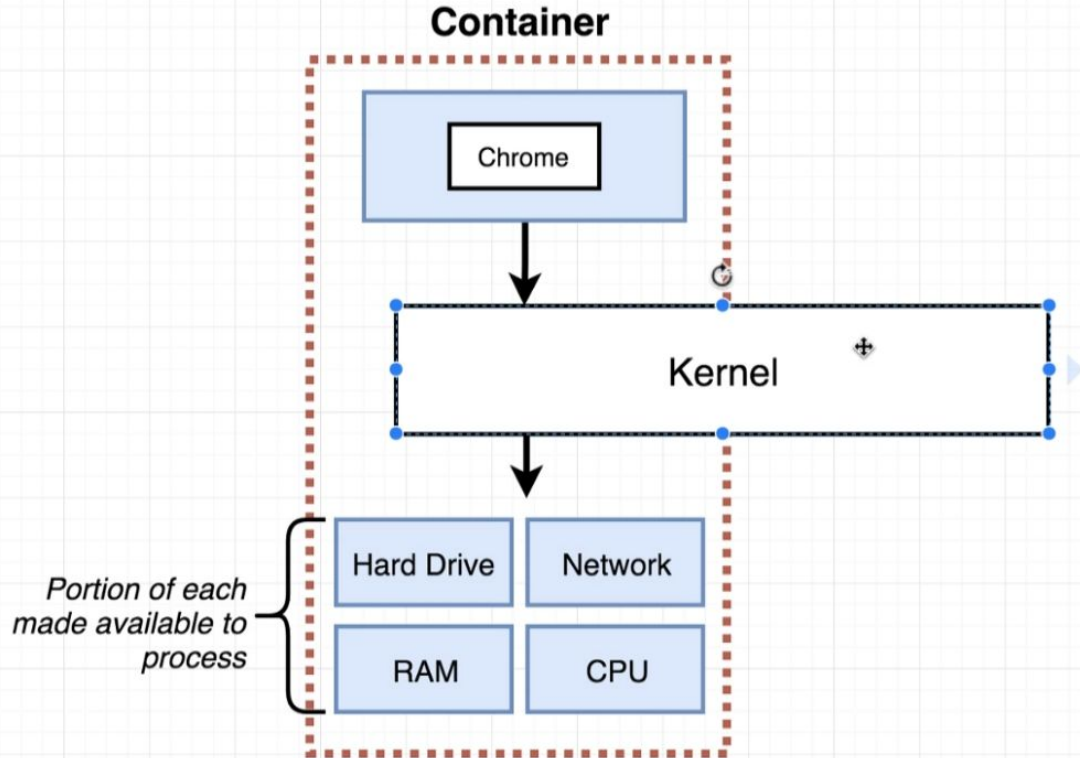




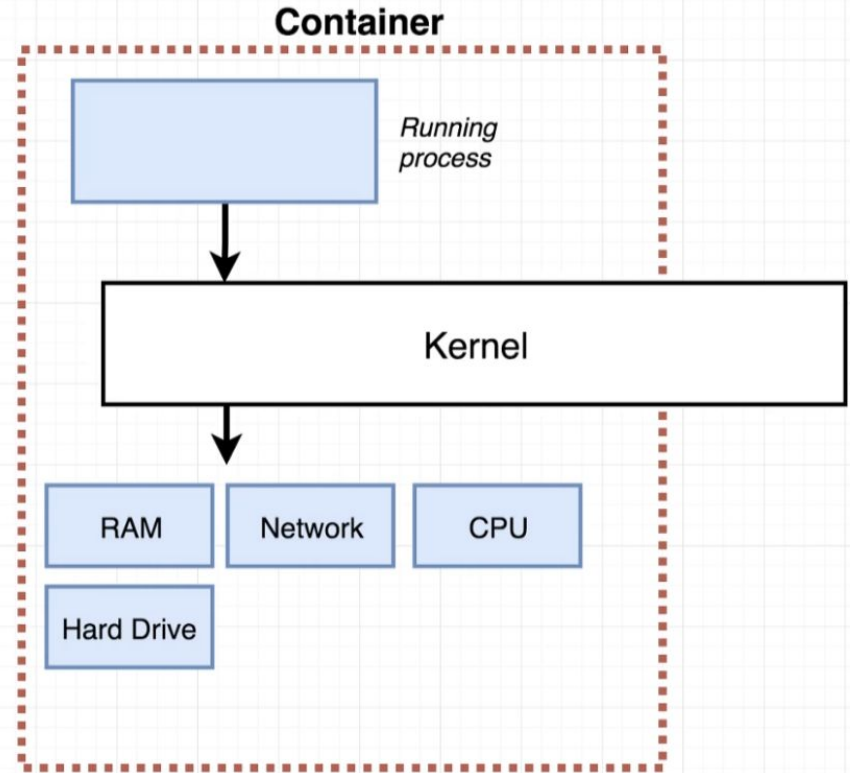
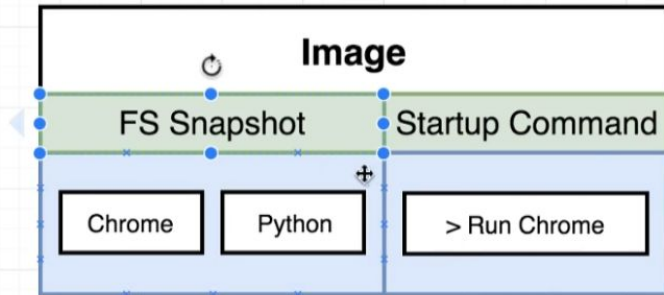
## 5. A container..



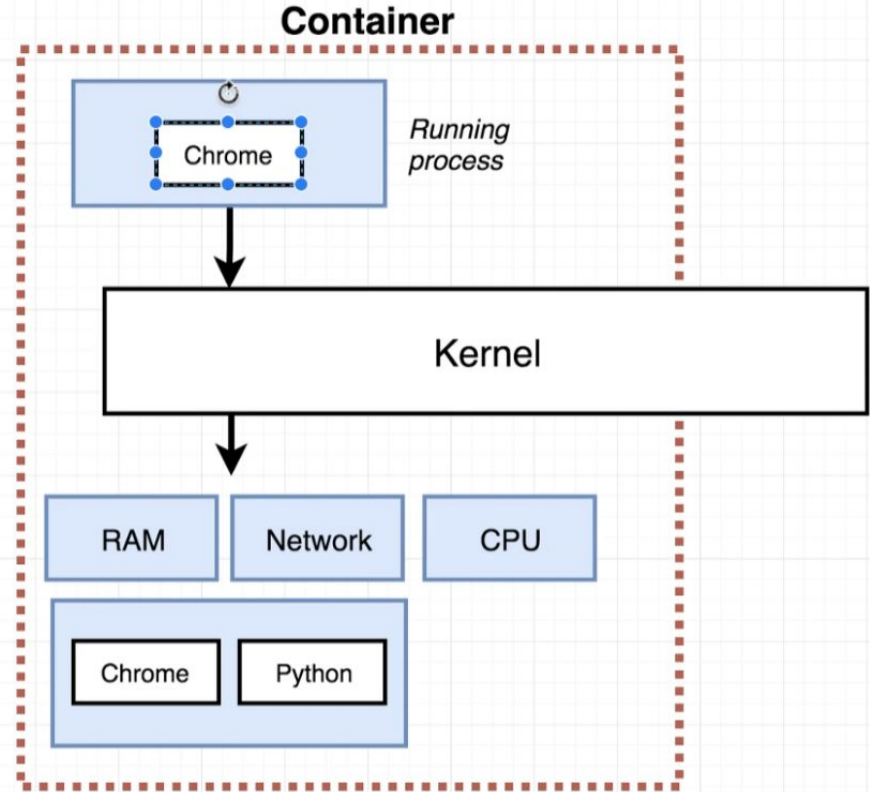
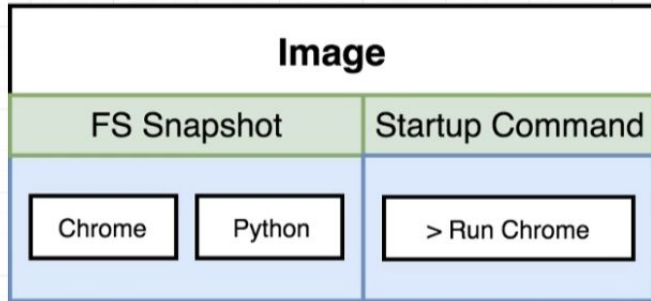
## 5. A container..



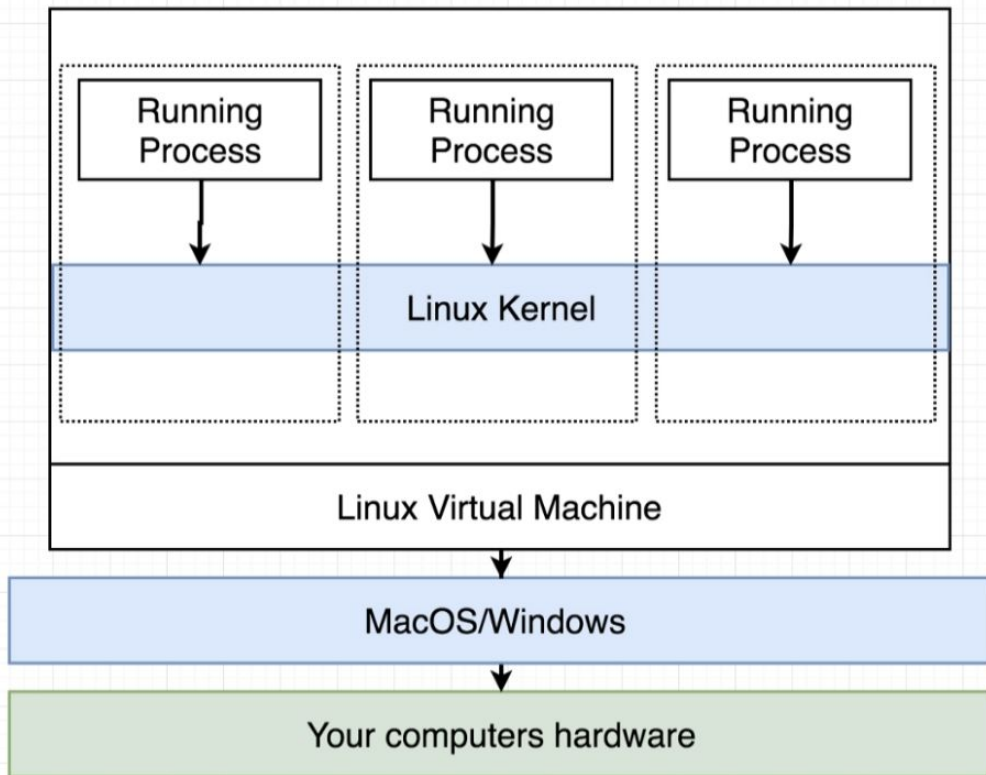
## 5. A container..



## 5. A container..



## 6. How your computer is running Docker



Server: Docker Engine - Community

Engine:

Version: 20.10.0

API version: 1.41 (minimum version 1.12)

Go version: go1.13.15

Git commit: eeddea2

Built: Tue Dec 8 18:58:04 2020

OS/Arch: linux/amd64

Experimental: true

containerd:

Version: v1.4.3

GitCommit: 269548fa27e0089a8b8278fc4fc781d7f65a939b

runc:

Version: 1.0.0-rc92

GitCommit: ff819c7e9184c13b7c2607fe6c30ae19403a7aff

docker-init:

Version: 0.19.0

GitCommit: de40ad0