

# What Is Docker?

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Nigel Poulton

@nigelpoulton [www.nigelpoulton.com](http://www.nigelpoulton.com)



# Agenda

▼ Docker

OverviewTimelineFollowersContributors



FOLLOW

STATISTICS

★ 493

👁 10K

OverviewUPDATE

Acquisitions

5 Acquisitions

Funding Received

\$180M in 5 Rounds from 10 Investors

Headquarters:

San Francisco, California

Description:

Docker is an open platform for distributed applications that allows developers and sysadmins to build, ship & run distributed applications.

Founders:

Solomon Hykes

Categories:

Software, Open Source, Development Platforms

Website:


<https://www.docker.com>

Docker

← → ↻ [GitHub, Inc. \[US\]](#) <https://github.com/docker>

🔍 Search GitHub

Pull requests

 Docker

<http://www.docker.com>

📁 Repositories

👤 People 223

👥 Teams 2


Filters ▾

🔍 Find a repository...

machine

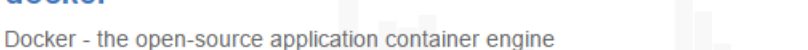
Machine management for a container-centric world


Updated 7 minutes ago




docker

Docker - the open-source application container engine

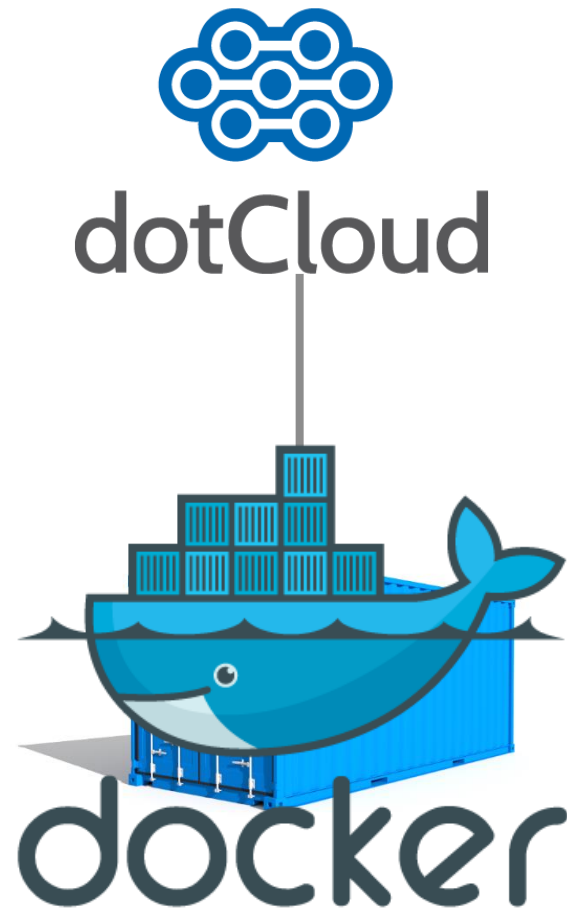




OPEN CONTAINER INITIATIVE



# Docker Inc.



Docker Inc.

dock **work** er



# Docker Inc.



Leading technology company

dotCloud

Billion dollar valuation

Raised over \$150M in venture capital

Millions of their own



docker



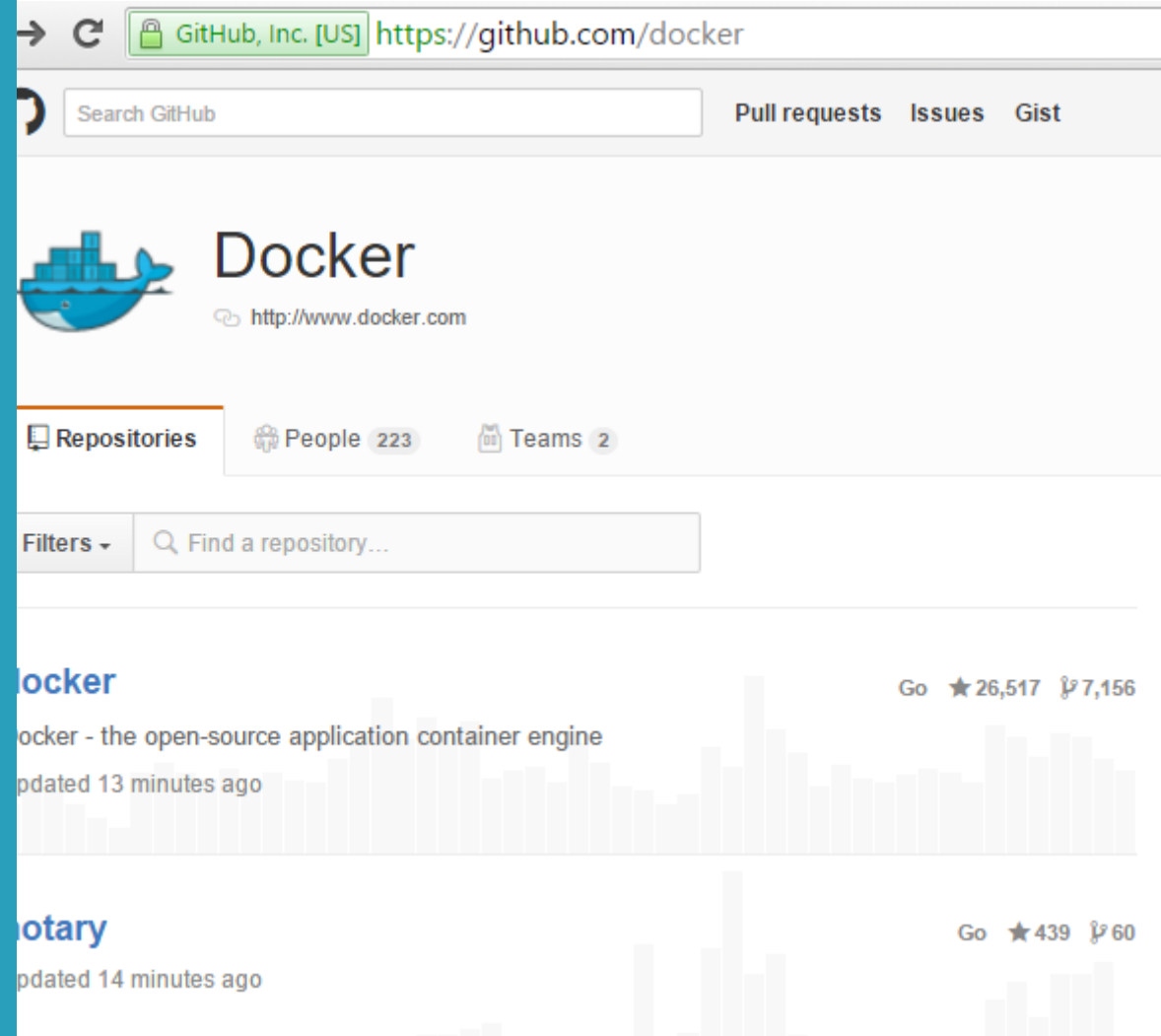
Open source

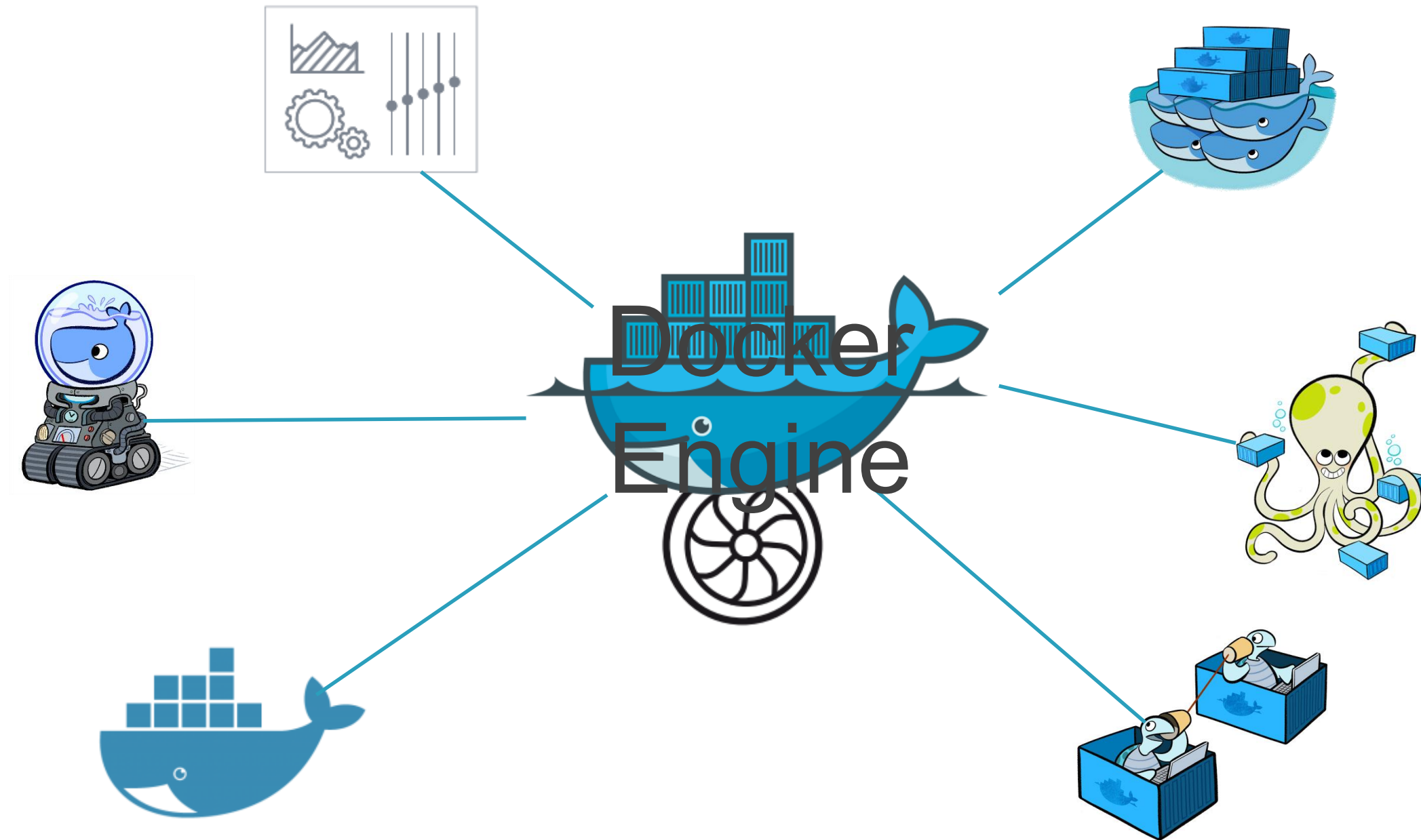
- Apache License 2.0

All about making  
awesome tools that  
enable us to do things  
better

Multiple tools in the  
project

# The Docker Project





Open source

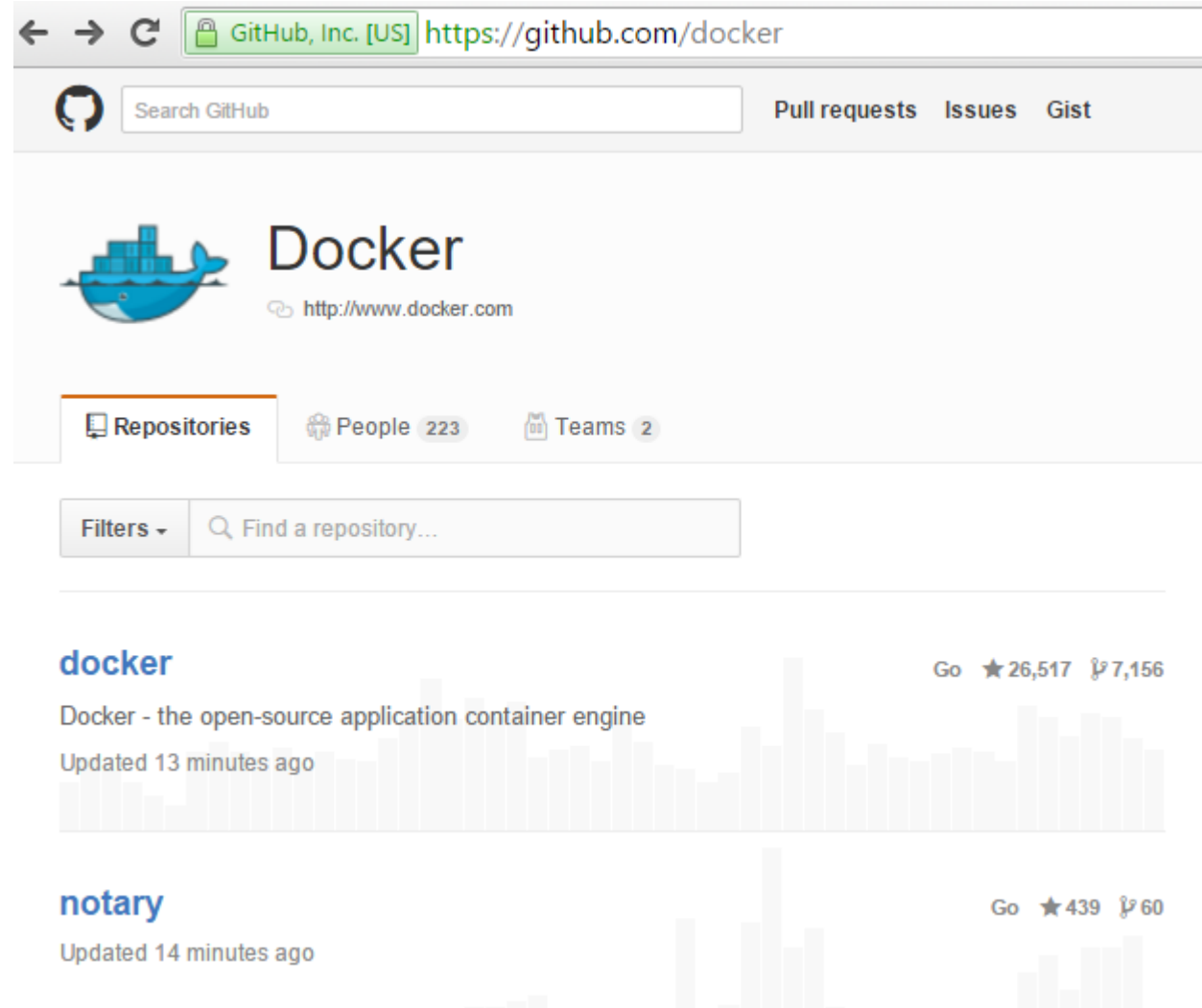
- Apache License 2.0

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project

Some of the biggest  
names in the industry  
involved

# The Docker Project





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# The Docker Project

The screenshot displays the Docker Project's GitHub repository. At the top, the repository name 'docker / docker' is shown with statistics: 2,337 watches, 26,517 stars, and 7,156 forks. Below this, navigation links for 'Code', 'Issues' (1,103), 'Pull requests' (86), 'Wiki', 'Pulse', and 'Graphs' are visible. The current branch is 'master', and the file path 'docker / daemon / graphdriver / overlay / overlay.go' is highlighted. A commit by 'rhatdan' titled 'Relabel BTRFS Content on container Creation' is shown, dated '1716d49 13 days ago'. Below the commit, 18 contributors are listed. The file 'overlay.go' is open, showing 474 lines (396 sloc) and 13.7 KB. The code is a Go file that defines a package 'overlay' and imports various standard and external packages, including 'bufio', 'fmt', 'io/ioutil', 'os', 'os/exec', 'path', 'sync', 'syscall', and several GitHub repositories like 'Sirupsen/logrus' and 'docker/docker/daemon/graphdriver'.

docker / **docker** Watch 2,337 Star 26,517 Fork 7,156

<> Code Issues 1,103 Pull requests 86 Wiki Pulse Graphs

Branch: master **docker / daemon / graphdriver / overlay / overlay.go** Find file Copy path

**rhatdan** Relabel BTRFS Content on container Creation 1716d49 13 days ago

18 contributors

474 lines (396 sloc) | 13.7 KB Raw Blame History

```
1 // +build linux
2
3 package overlay
4
5 import (
6     "bufio"
7     "fmt"
8     "io/ioutil"
9     "os"
10    "os/exec"
11    "path"
12    "sync"
13    "syscall"
14
15    "github.com/Sirupsen/logrus"
16
17    "github.com/docker/docker/daemon/graphdriver"
18    "github.com/docker/docker/pkg/archive"
19    "github.com/docker/docker/pkg/chrootarchive"
```

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# The Docker Project

← → ↺

GitHub, Inc. [US]

https://github.com/docker/docker/wiki

🔍 ☆

## Engine Project Planning

The Docker follows a **time-based** release process, currently aiming at releasing a new major version every two months. We issue a **code freeze** several weeks before the scheduled release date during which nothing but bugfixes can be added to the release.

Even though the process is time-based, the Docker Engine sets short-term goals for the upcoming release(s). However, time will always win over features: the code freeze will happen regardless of our goals being met.

## Roadmap

Docker Engine roadmap items are filed on the issue tracker with the `roadmap` label. They are open to community participation: join us on the [usual communication channels](#) to contribute!

| Milestone    | Target date | Release captain            | Goals                        |
|--------------|-------------|----------------------------|------------------------------|
| Docker 1.9.0 | 10/29/2015  | <a href="#">@tiborvass</a> | <a href="#">Engine 1.9.0</a> |
| Docker 1.8.0 | 08/11/2015  | <a href="#">@calavera</a>  | <a href="#">Engine 1.8.0</a> |
| Docker 1.7.0 | 06/18/2015  | <a href="#">@vieux</a>     | <a href="#">Engine 1.7.0</a> |
| Docker 1.6.0 | 04/16/2015  | <a href="#">@jfrazelle</a> |                              |

▶ Pages 20

### Resources

- [Engine Roadmap](#)
- [Project Pages](#)
  - [Engine 1.9.0](#)
  - [Engine 1.8.0](#)
  - [Engine 1.7.0](#)

### Process

- [Contributing guide](#)
- [Maintainers list](#)

Clone this wiki locally

<https://github.com/docker/c> 📄

📄 Clone in Desktop

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# The Docker Project

Docker Hub



Over 1 billion  
image pulls



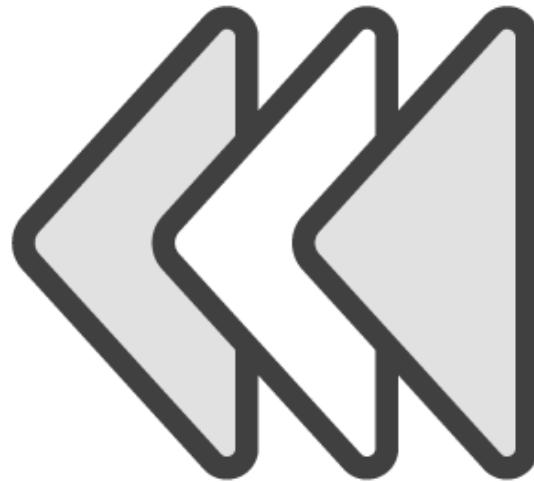
Over 240K  
repositories



Over 5 million image pulls per day



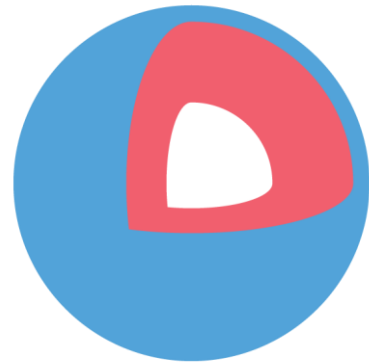
# The Open Container Initiative



Container history....



# The Open Container Initiative



**Core**OS



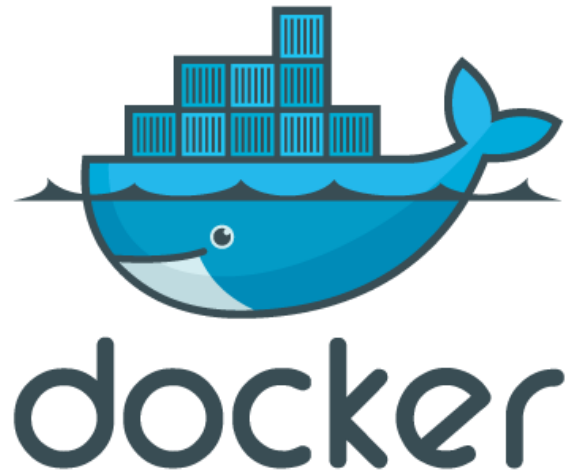
**rkt**

appc specification

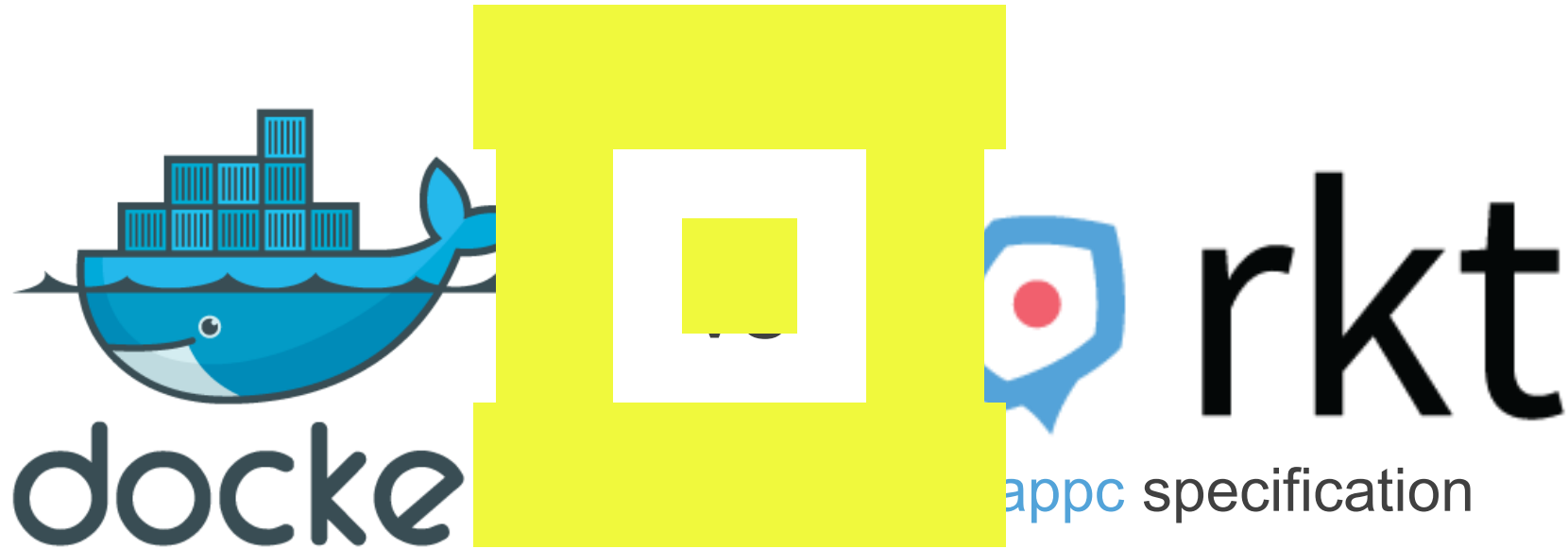
tl;dr = too long; didn't read



# The Open Container Initiative



# The Open Container Initiative



# The Open Container Initiative

Lightweight governance council

- Standardize:
  - Container format
  - Container runtime
- Vendor neutral
- Platform neutral

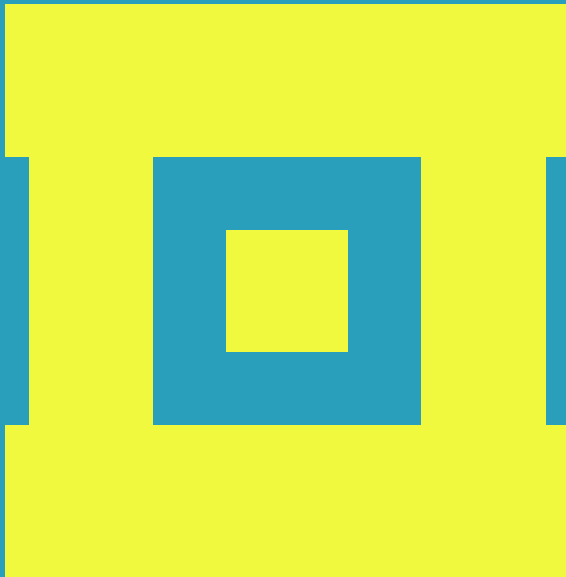
Formed in June 2015

Operates under The Linux Foundation





# The Open Container Initiative



Lightweight governance council

- Standardize:
  - Container format
  - Container runtime
- Ver

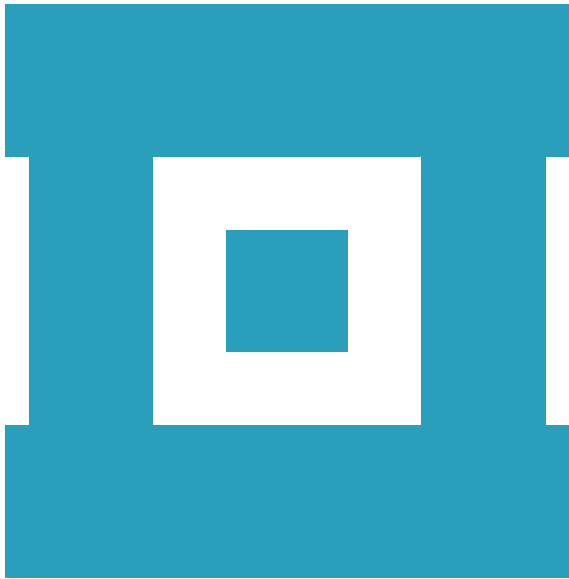
who?

- Platform neutral

Formed in June 2015

Operates under The Linux Foundation



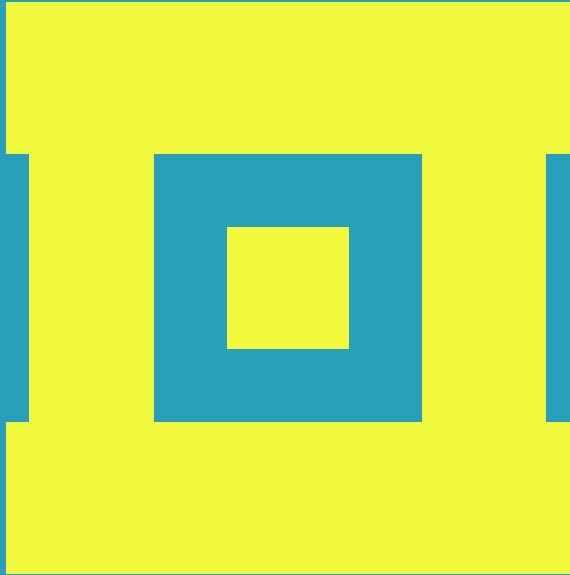


Th

*Deciding on the specs of the rail tracks.... so we can  
concentrate on building better trains....*



# Open Container Initiative



# Summary

## Docker Inc.



Silicon valley startup

Raised \$180M

Made several acquisitions



## The Docker Project

Open source

- Apache license 2.0

>240K repositories

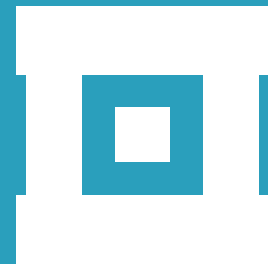
Billions of downloaded images

Support from major industry leaders

## The Open Container Initiative

Lightweight governance

Open standards



Coming Up Next...

Preparing for containers...

