Docker Hub和容器化应用交付

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自我介绍

喻勇， DaoCloud联合创始人

曾在VMware和微软担任技术及管理工作。负责Cloud Foundry、大数据、Windows Azure等前沿产品在开发者、技术社区及战略合作伙伴中的推广和应用，在系统架构、云计算和开发应用平台等方面有超过10年的经验，曾入选微软全球最有价值专家。

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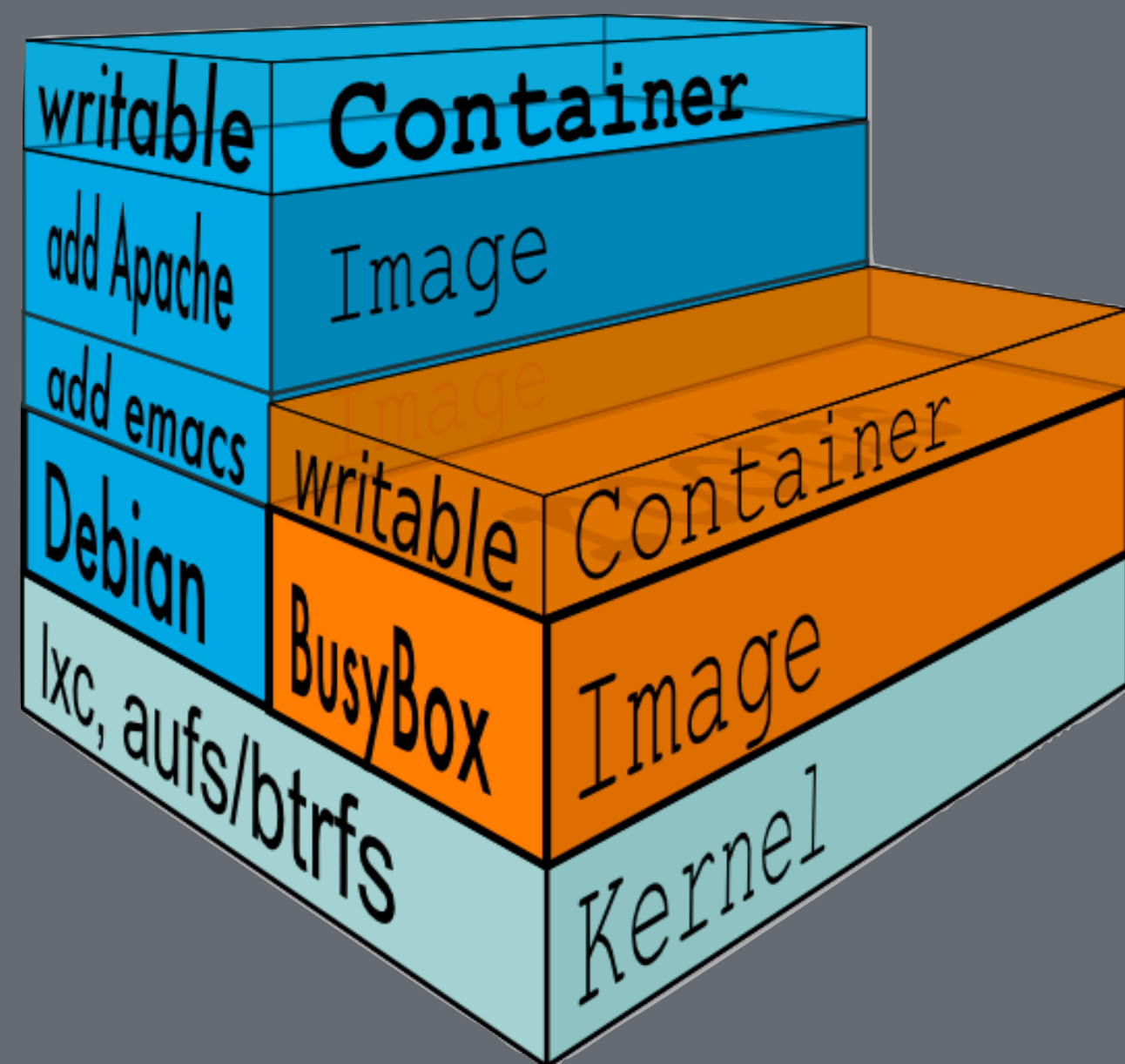
关于DaoCloud

中国第一家专注于容器技术的云计算公司，由EMC与VMware前高管创立，核心研发团队来自Oracle，Microsoft，盛大等一线高科技公司。

成立于2014年末，获得光速安振风险投资，总部位于上海，在北京设有分支机构。

Docker is on everyone's roadmap

云端应用的标准交付件

What is Docker Hub?

- Public and Private Docker Repositories

- Official Repositories

- Organizations and Groups

- Automated builds

- Web hooks

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Official Repositories

- 100+ Official repos that you can use to build your Docker applications

- Repos are updated and maintained by Docker, so they can be trusted.

Private Repositories

- Not searchable or browsable

- Can add collaborators to push or pull

- Only you or a collaborator can access

- One free private repo with your docker hub user account

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Automated Builds

- Link to your Github or Bitbucket accounts

- Keep your source code in sync with your docker repos

- You write the code, Docker Hub handle the build, and keep your Docker hub repos up to date.

- Public and Private repos

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Web hooks

- Get notified when a docker repo is updated

- Ability to chain together web hooks to create a build pipeline

- Combine with a continuous integration and deployment solution to easily move your application from development to server.

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More

- Repository Links

  - Link your automated build repository to another repository

  - Allows you to keep your automated build up to date

- Build Triggers

  - Trigger an automated build from an external system

  - Useful for integrating with CI systems

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docsuser ▾

Summary

Repositories

Starred

Manage

Settings

Enterprise Licenses

Private Repositories

(used 1 of 50)

Buy more!

Hub Enterprise

Register here for the limited early access version.   Register

Your Recently Updated Repositories

+ Add Repository ▾

Yesterday
private 🔒

Error

Yesterday
repository

A non-automated repository

☁ 0   ☆ 0

1 month ago
public

☁ 0   ☆ 0

Contributed Repositories

docsorg/private 🔒   0 ★

docsorg/public   0 ★

docsorg/test 🔒   0 ★

Starred Repositories

Browse repositories in the Registry

Activity Feed

+ **docsuser created the repository docsuser/public**   1 month ago

Docker Hub for Enterprise

- Deployable on physical, virtual or cloud infrastructures

- Authenticate with directory services integration

- Support for multiple storage backends

- Store, distribute and manage images where you choose

- Integrate with Continuous Integration and Delivery systems
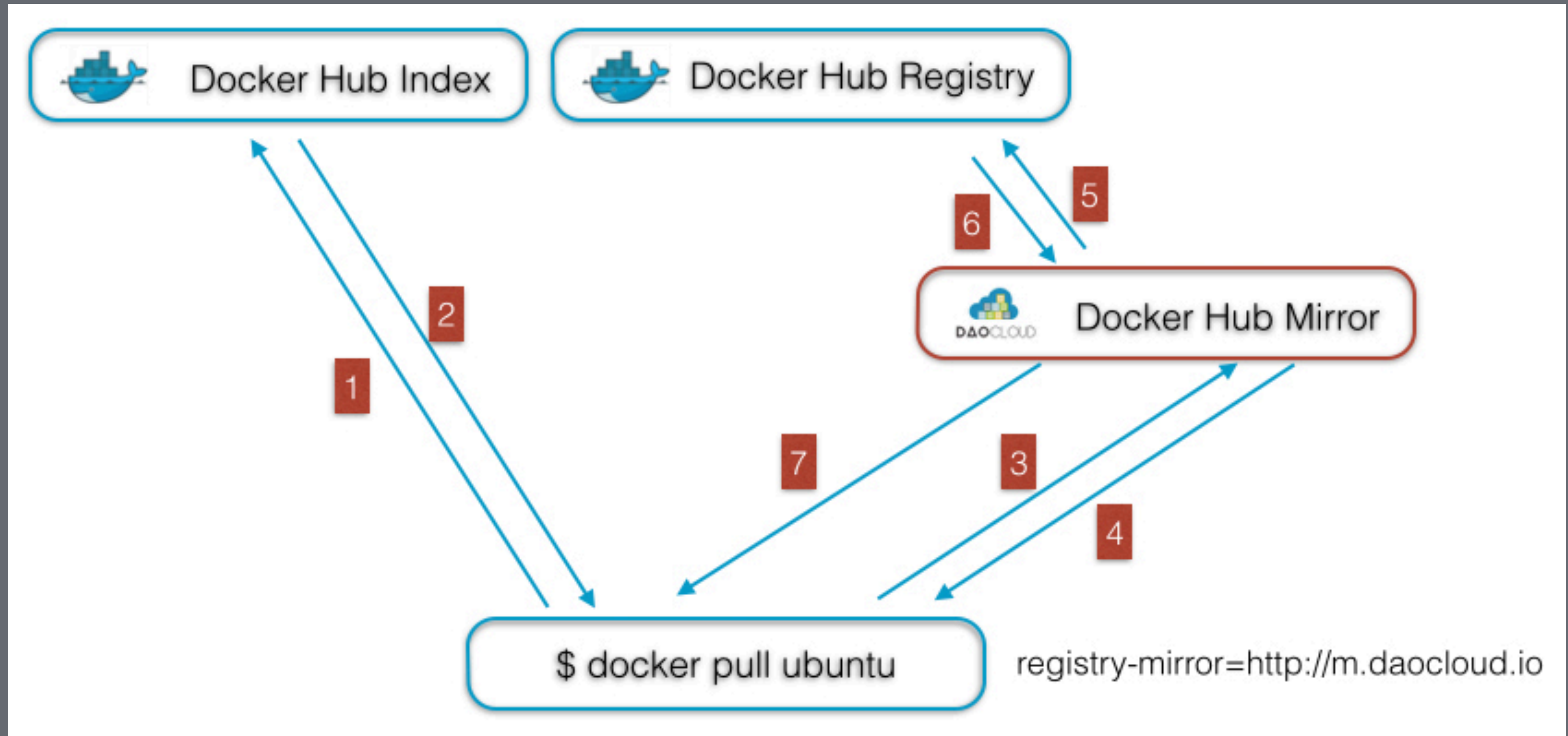

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Behind the Docker Hub: The Docker Registry

- Index

- Registry

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Build   Ship   Run

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Docker Hub Mirror by DaoCloud

Setup Docker Hub Mirror

Setup Docker Hub Mirror

- echo "DOCKER_OPTS=\"\$DOCKER_OPTS --registry-mirror=http://yuf.m.daocloud.io\"" | sudo tee -a /etc/default/docker sudo service docker restart

- https://dashboard.daocloud.io/mirror

- Transparency

  - One Dockerfile, One Docker Hub
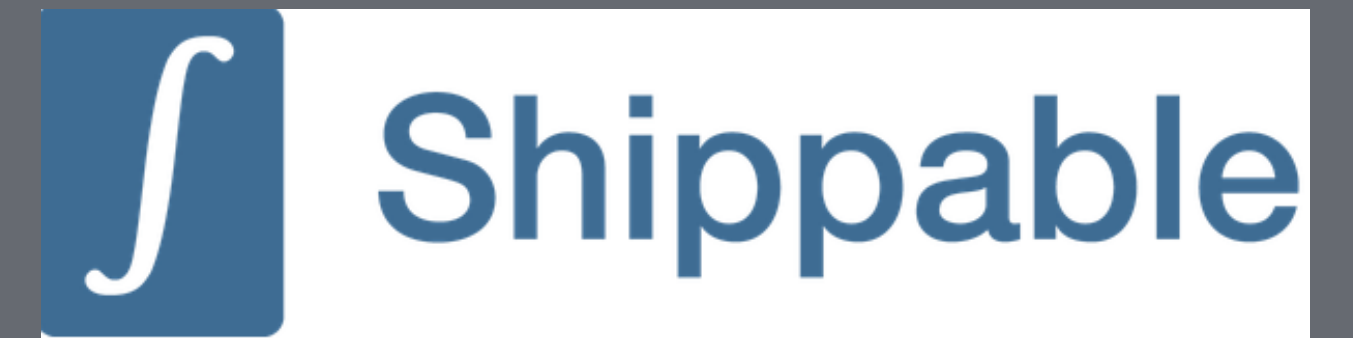
The Ecosystem Around Docker Hub

- Docker image is the center of the ecosystem

- The process/tool chain of code to cloud

- And thanks OAuth & Webhook!

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SDLC Software Development Life Cycle

Build, Ship, Run!
The Development Pipeline
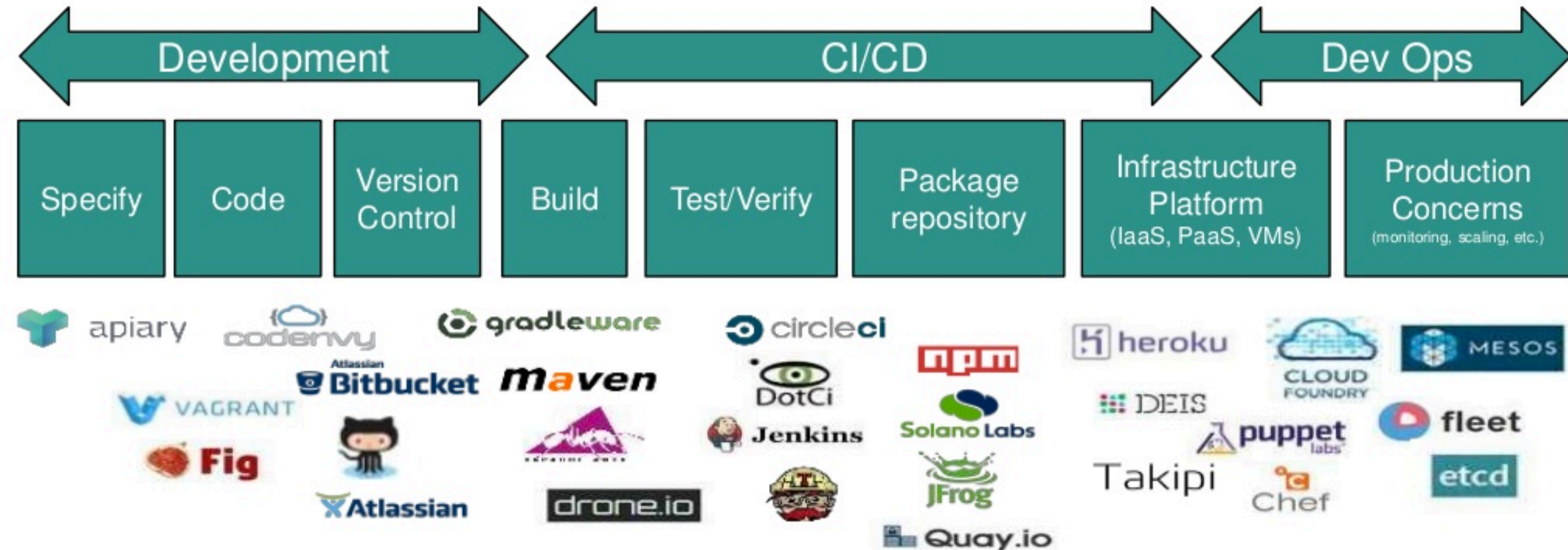
Code commit
Webhook
CI shippable.yml

Dockerfile
Image Build
Registry

Fig? Kubernetes?
Swarm?
ContainerOps/CaaS
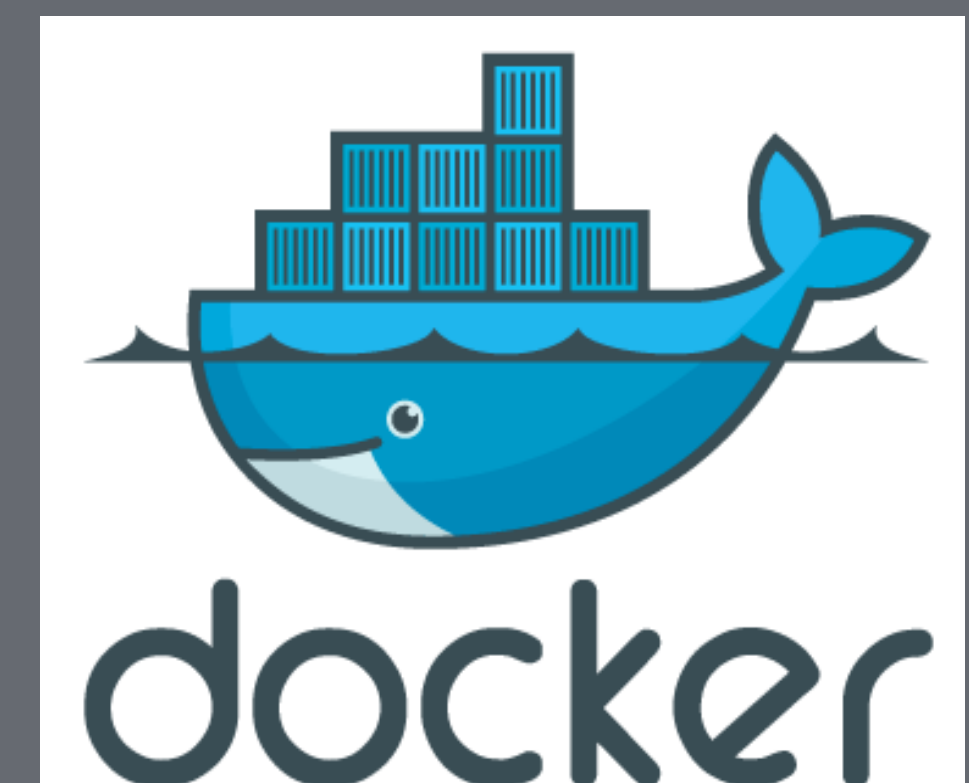
DaoCloud, 支持中国特色的Docker生态系统

Develop → Test → Build → Ship → Run

- One stop services to get application containerized, ship to registry and run on cloud
- Support Github, BitBucket and all China local Git-like code repository
- Support AWS, Microsoft Azure, and mainstream China local cloud infrastructure
- "Bring you own" design, easy to add 3rd party CI, registry & cloud to the process chain
- Large scale DevOps & PaaS capability: workload orchestration, automatic scaling, monitoring and usage tracking

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- The Code

- DaoCloud

| Continuous Integration | Image build, release management | Automatic scaling engine | Operation & monitoring |

We bring code to cloud!
One stop container services and operation across multipliable infrastructure

| Service integration & discovery | Container marketplace | Cloud adaptor | Cloud benchmark |

- The Cloud

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The future is already here.

It's just not evenly distributed yet.

William Gibson

The Economist, December 4, 2003

Questions?

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