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# About Me

- 硕士一年级 @SE, SJTU
- [github.com/gaocegege](https://github.com/gaocegege)

# Who are the target audiences?

- Developers who have basic knowledge about programming, and computer systems (Windows, macOS, Ubuntu)

# What can you learn from this slides

- Basic usage of Docker
- Application scenarios of Docker
- Basic knowledge of Docker ecosystem

# Outline

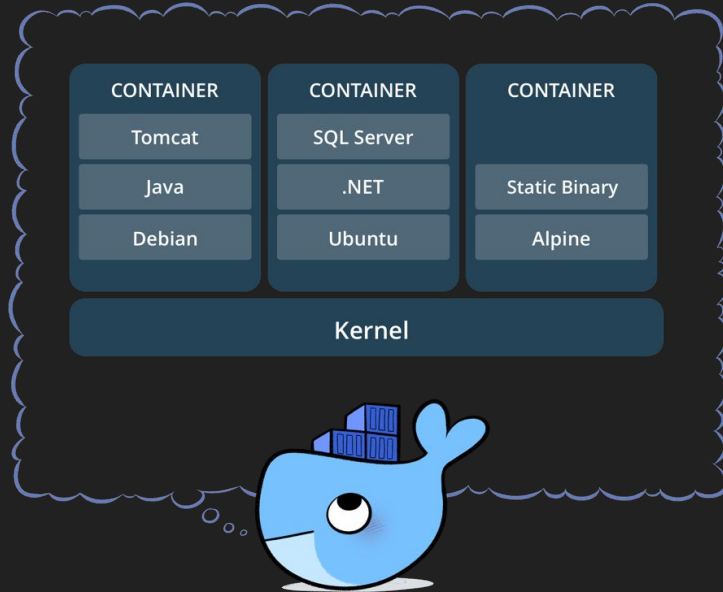
- What is Docker
- History of Docker
- How to use it
- Comparison with other tools

# What is Docker

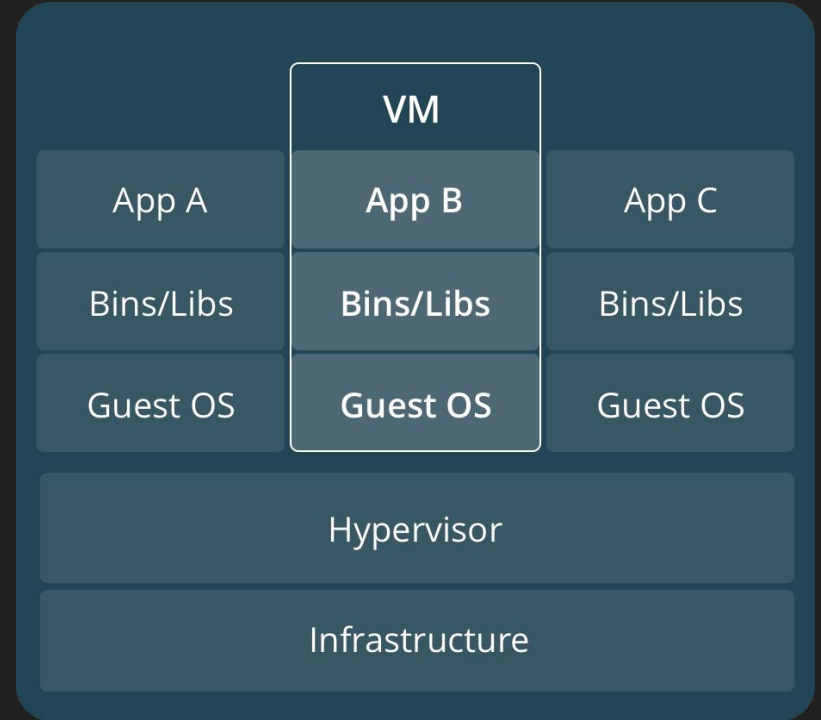
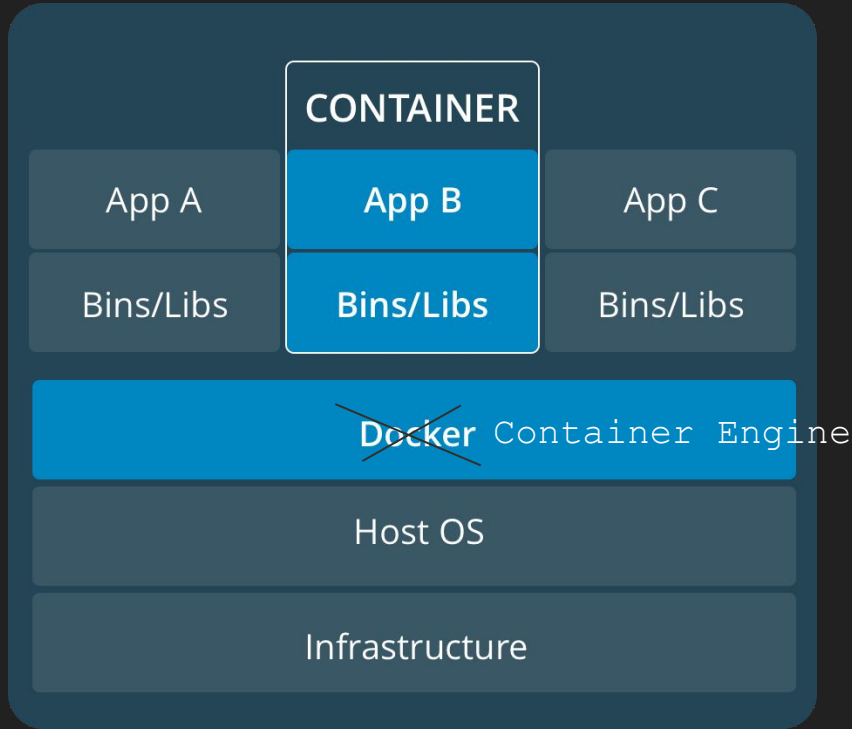
Docker is the world's leading software **container** platform.

\$ Then, What is container?

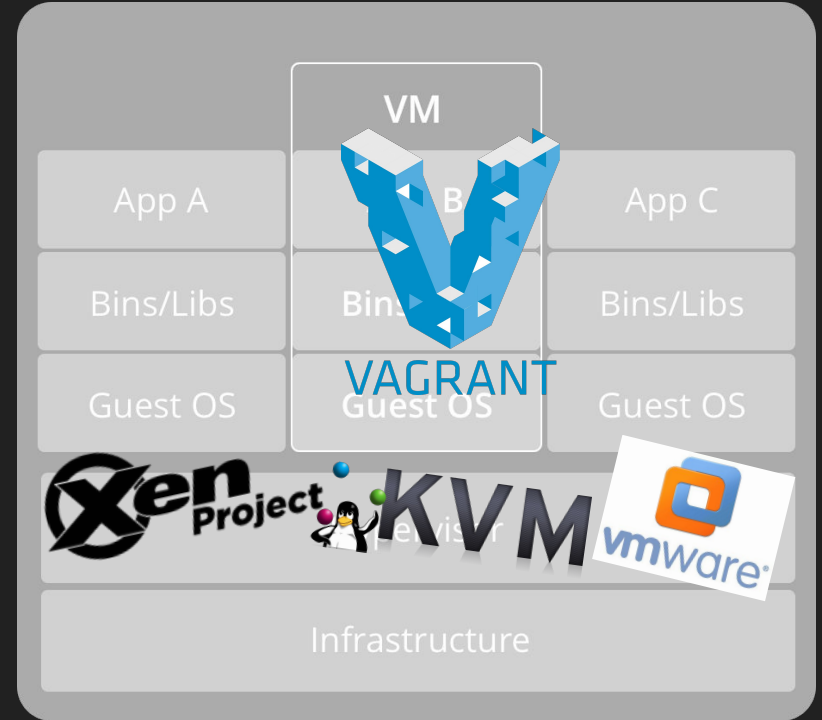
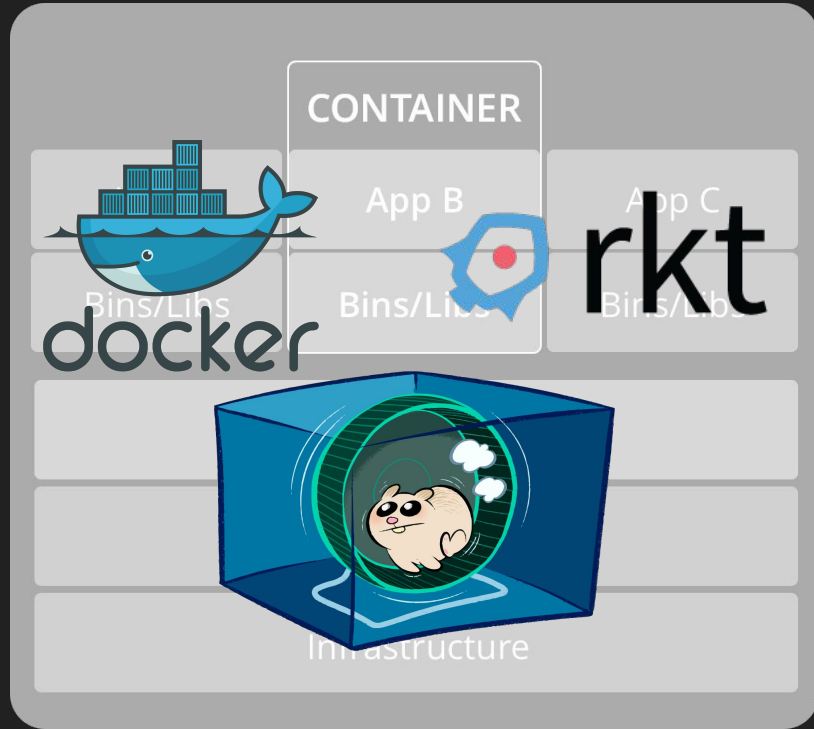
>



# What is container



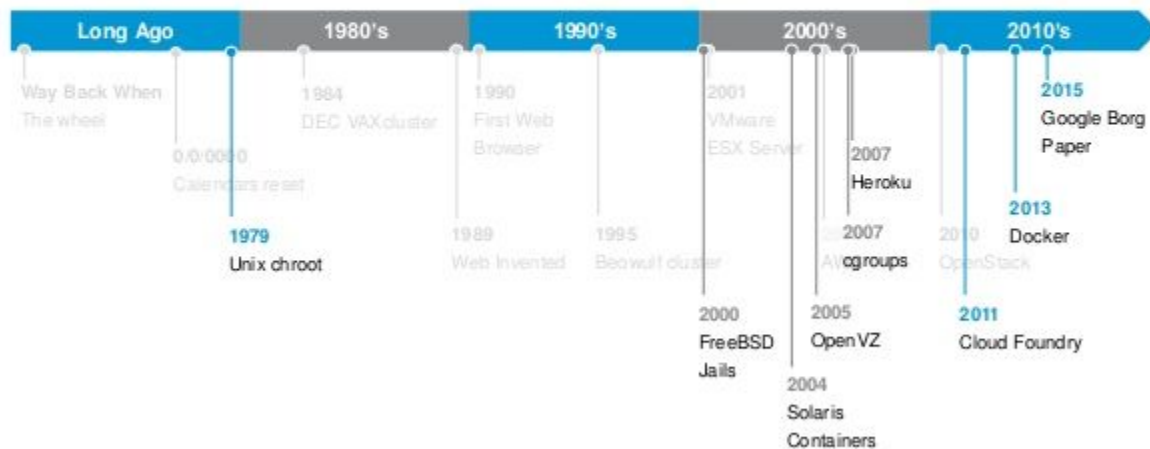
# What is container





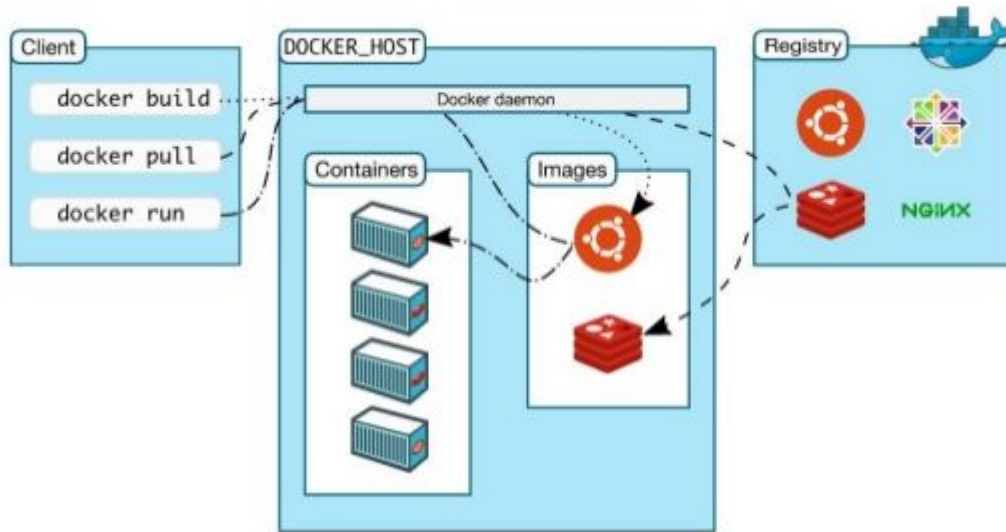
# History of Docker

## History: Container Highlights



# HOWTO

## Docker Components



# Dockerfile

- A Dockerfile is a text document that contains all the commands a user could call on the command line to assemble an image.
- Using `docker build` users can create an automated build that executes several command-line instructions `in succession`.
- [Dockerfile Reference](#)

# HOWTO

- <https://github.com/gaocegege/minimal-long-running-task>

# Dockerfile

```
FROM alpine:3.4
ADD long-running.sh /long-running.sh
ENTRYPOINT ["/long-running.sh"]
```

# long-running.sh

```
#!/bin/sh
while [[ 1 == 1 ]]; do
    sleep 5s
    echo "sleep 5s"
done
```

# Show Time

- Build the image and run the container
- Inspect the container and image

# Learning Resources

- <https://docs.docker.com/engine/getstarted/>
- <https://training.docker.com/category/self-paced-online>