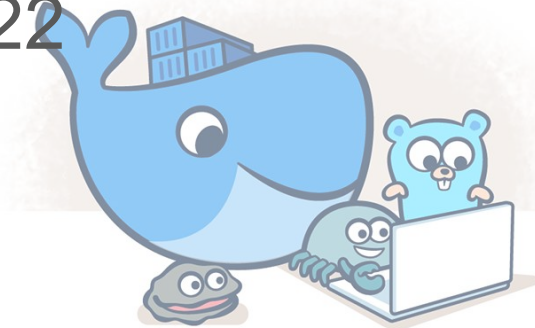


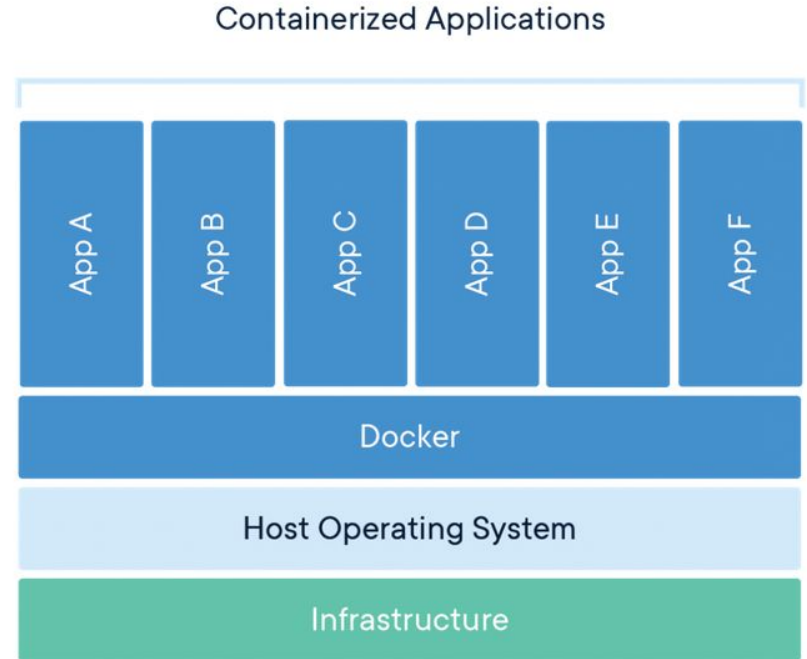
# Introduction to Docker

February 10<sup>th</sup>, 2022

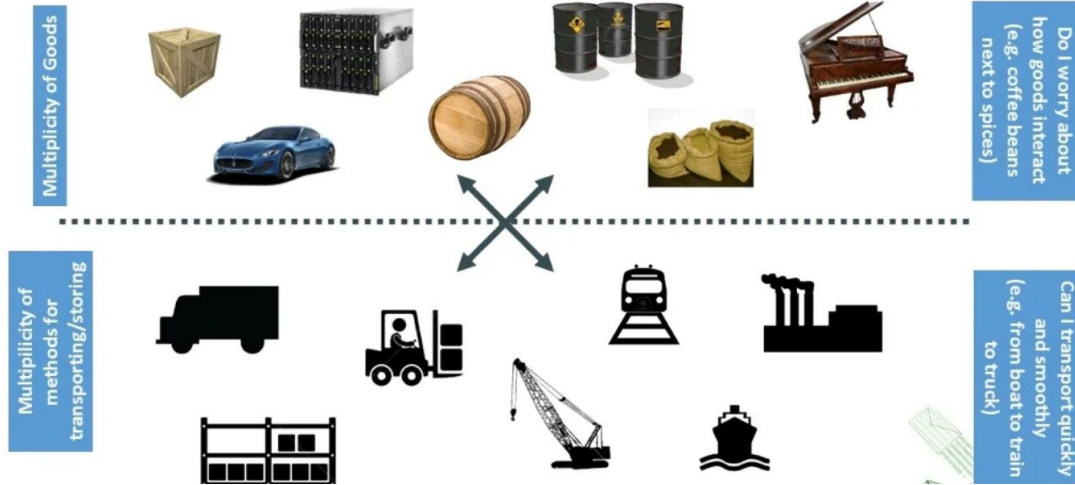


# What is Docker?

- Package and run an application in a loosely isolated environment called a container
- Do **not** need to rely on what is currently installed on the host



# Why Docker - (1/4) The Challenge

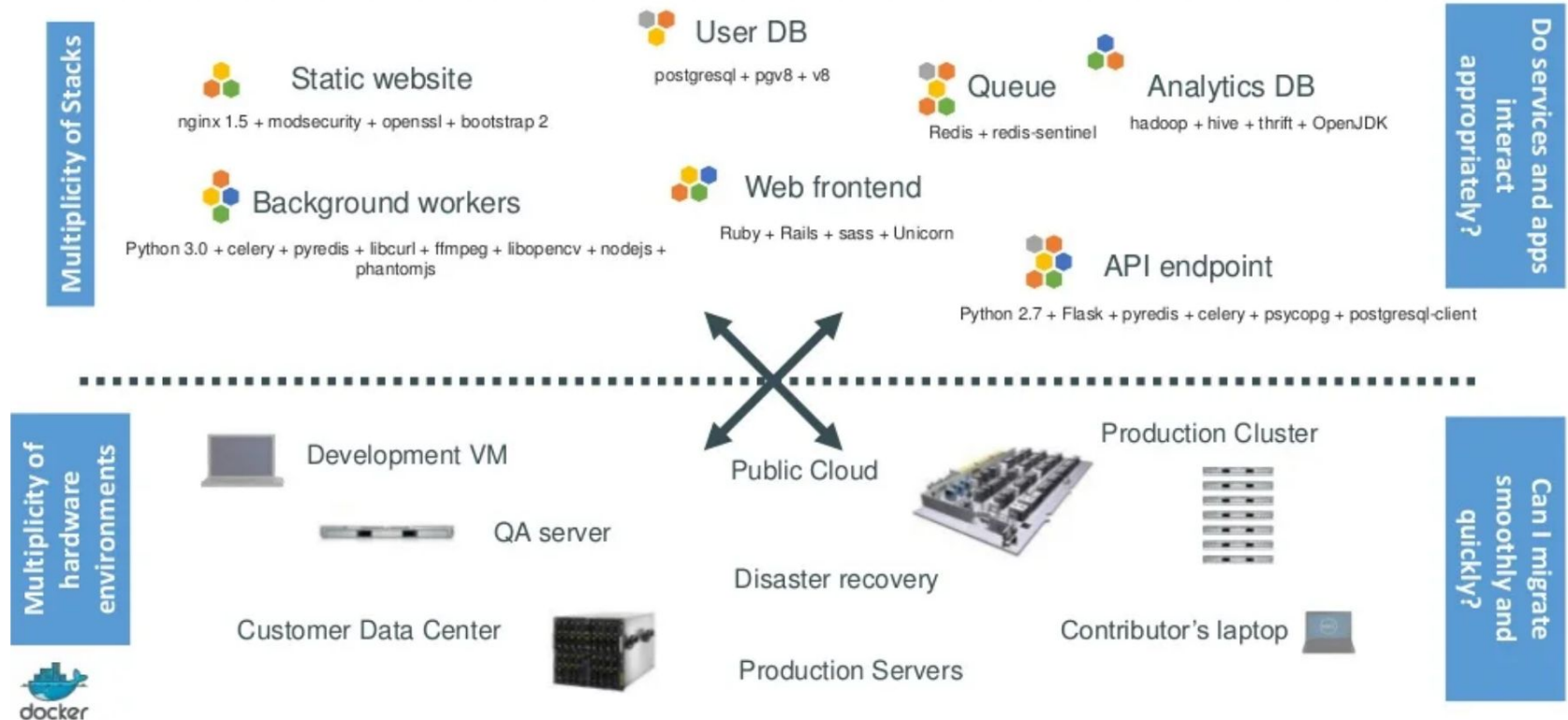


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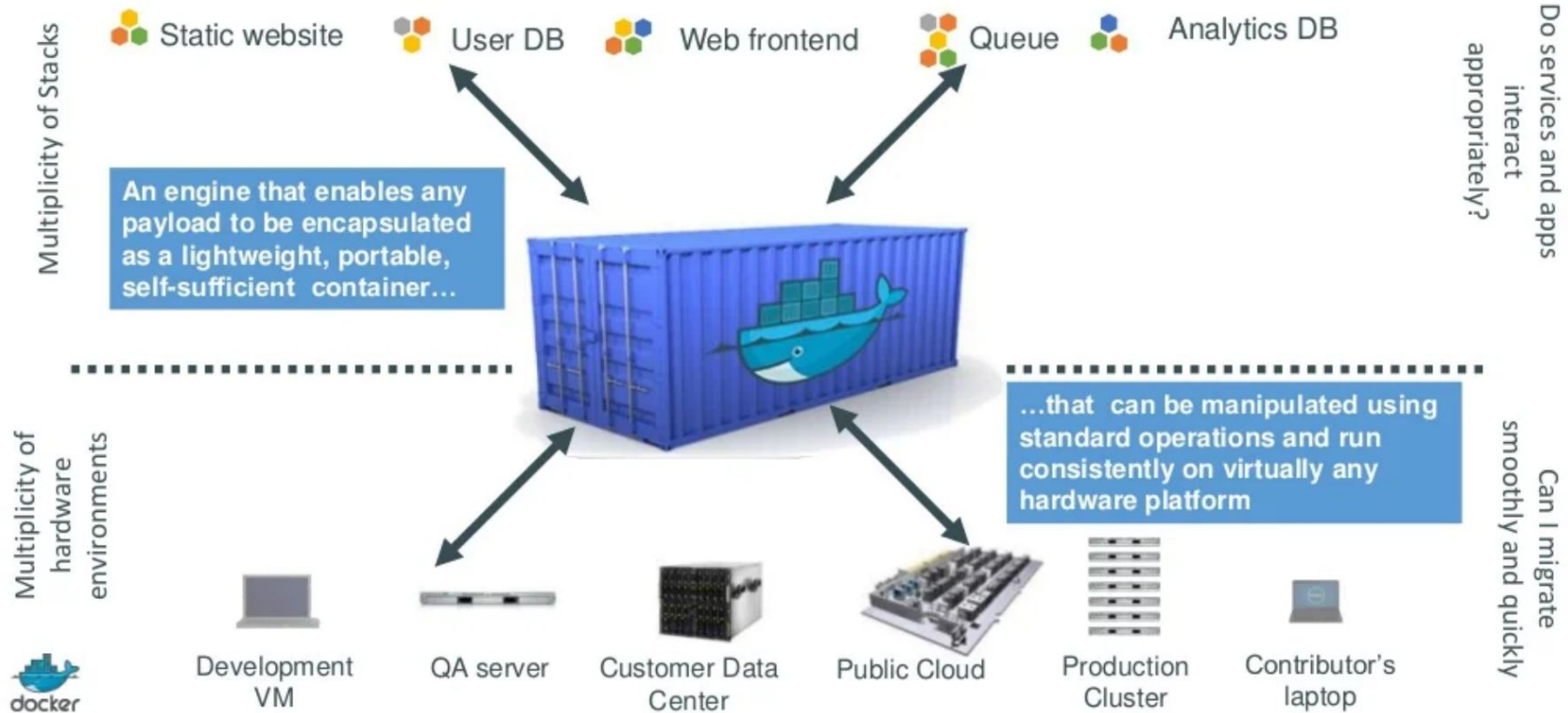
# Why Docker - (2/4) The Solution



# Why Docker - (3/4) The Web Challenge

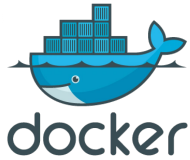


# Why Docker - (4/4) The Solution



# Steps for Docker-based deployment

Containerize your App



Wrap around Nginx



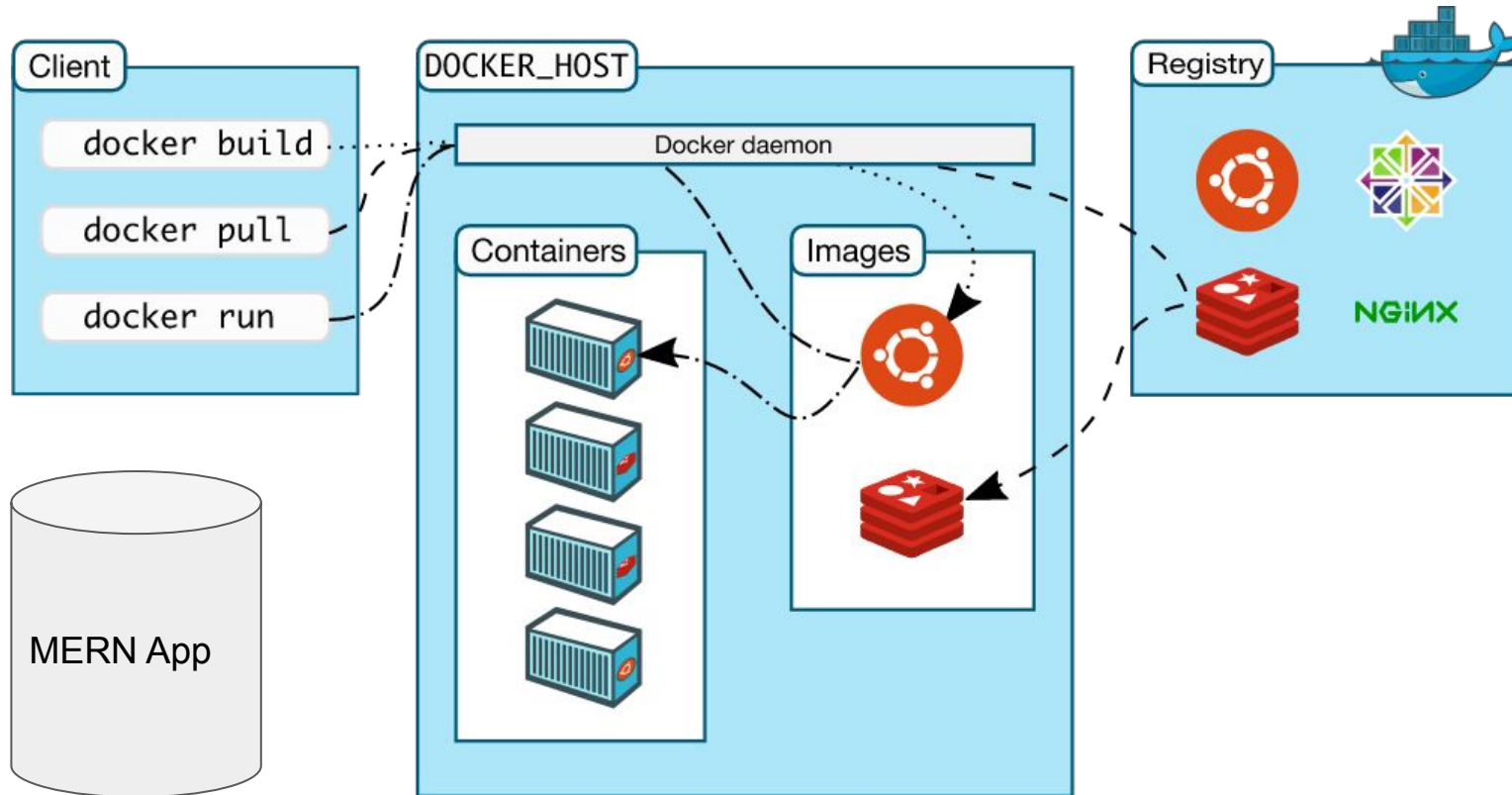
AWS EC2/  
Kubernetes/GCP  
Deployment



Assignment 2

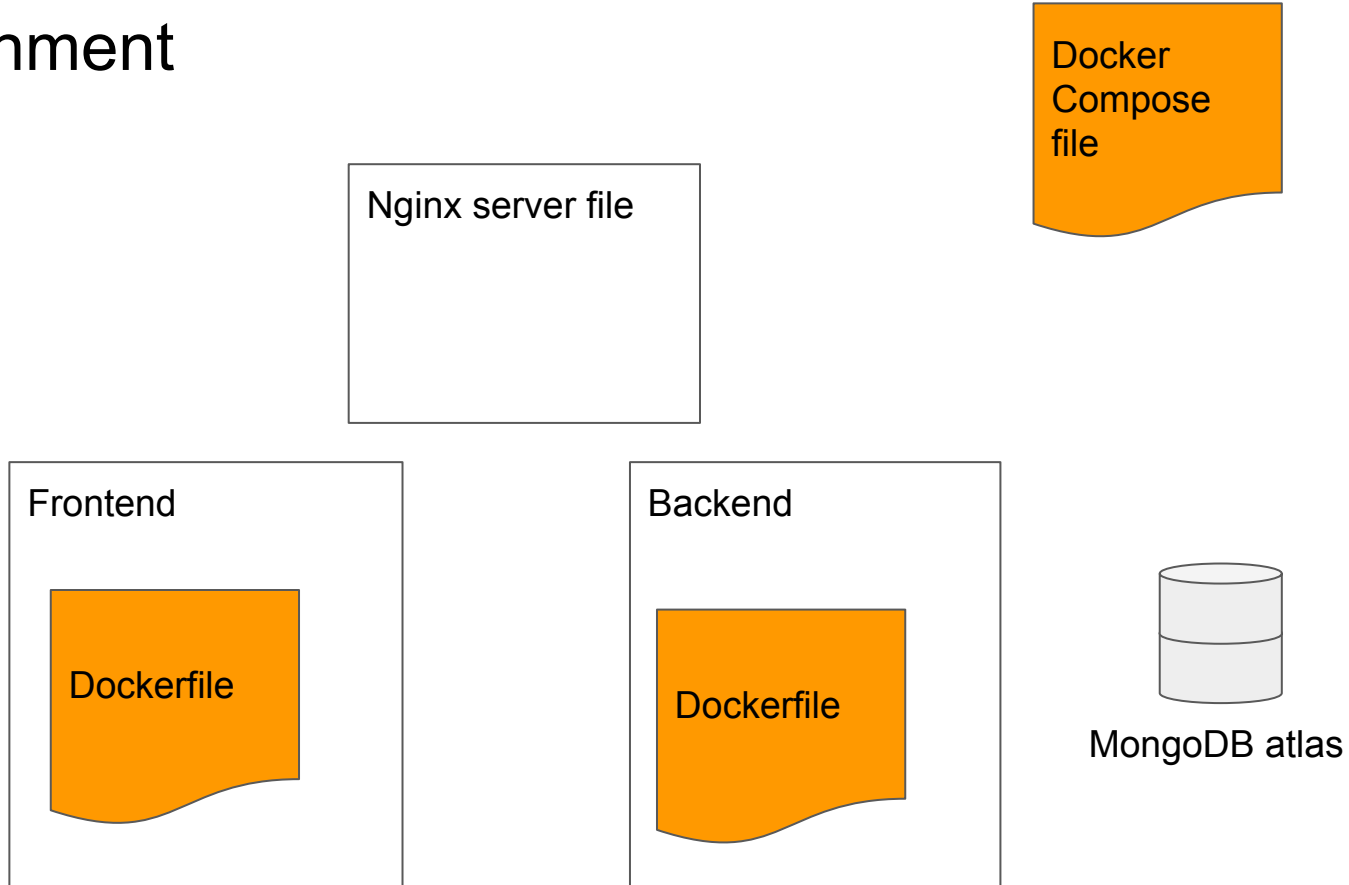
- Given by client generally
- Professional server space

# About the System





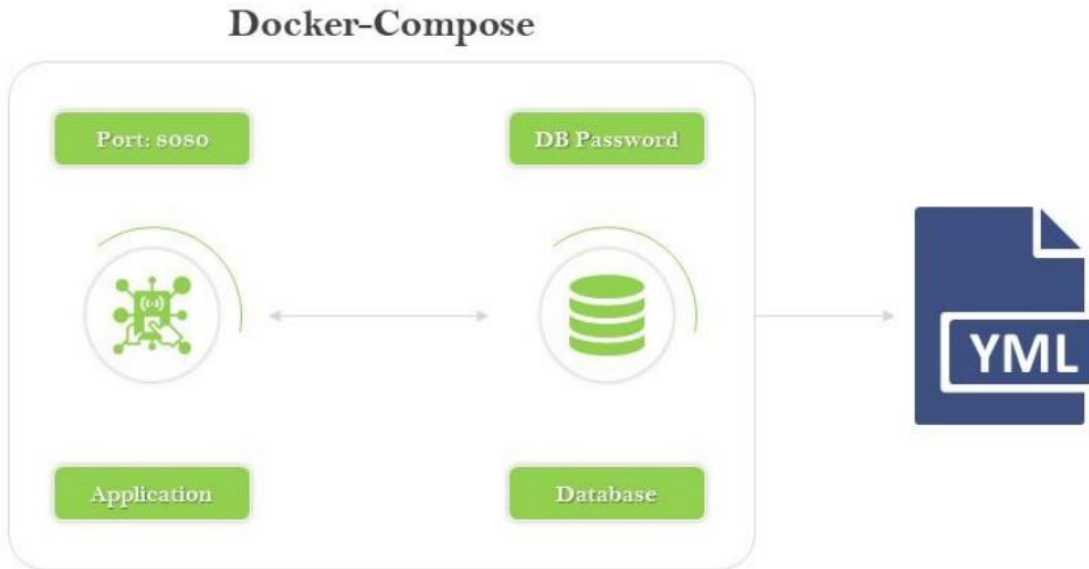
# Assignment

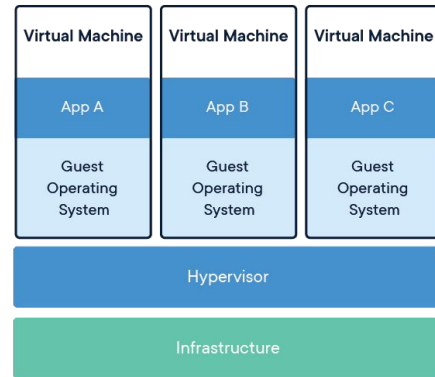
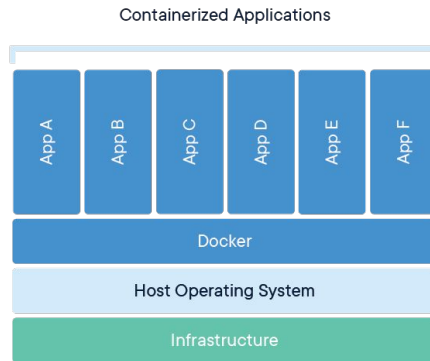
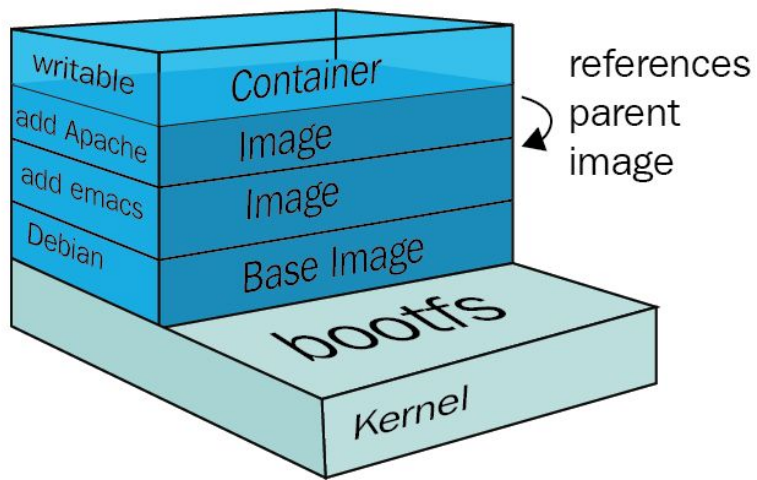


# Docker Compose

- Used for multi-docker applications
- With a **single command**, you create and start all the services from your configuration.

```
user-$: docker-compose up  
user-$: docker-compose down
```





# Questions?

# References

- <https://docs.docker.com/>
- <https://www.docker.com/resources/>
- [https://www.slideshare.net/dotCloud/docker-intro-november?next\\_slideshow=28618034](https://www.slideshare.net/dotCloud/docker-intro-november?next_slideshow=28618034)
- <https://docs.nginx.com/nginx/admin-guide/installing-nginx/installing-nginx-docker/>
- [https://hub.docker.com/\\_/nginx](https://hub.docker.com/_/nginx)