

The background is a dark blue gradient with a complex pattern of glowing white and light blue lines and dots, resembling a network or data visualization. The lines are thin and curved, connecting various points. The dots are small and scattered throughout the image, some appearing as single points and others as small clusters.

opentext™

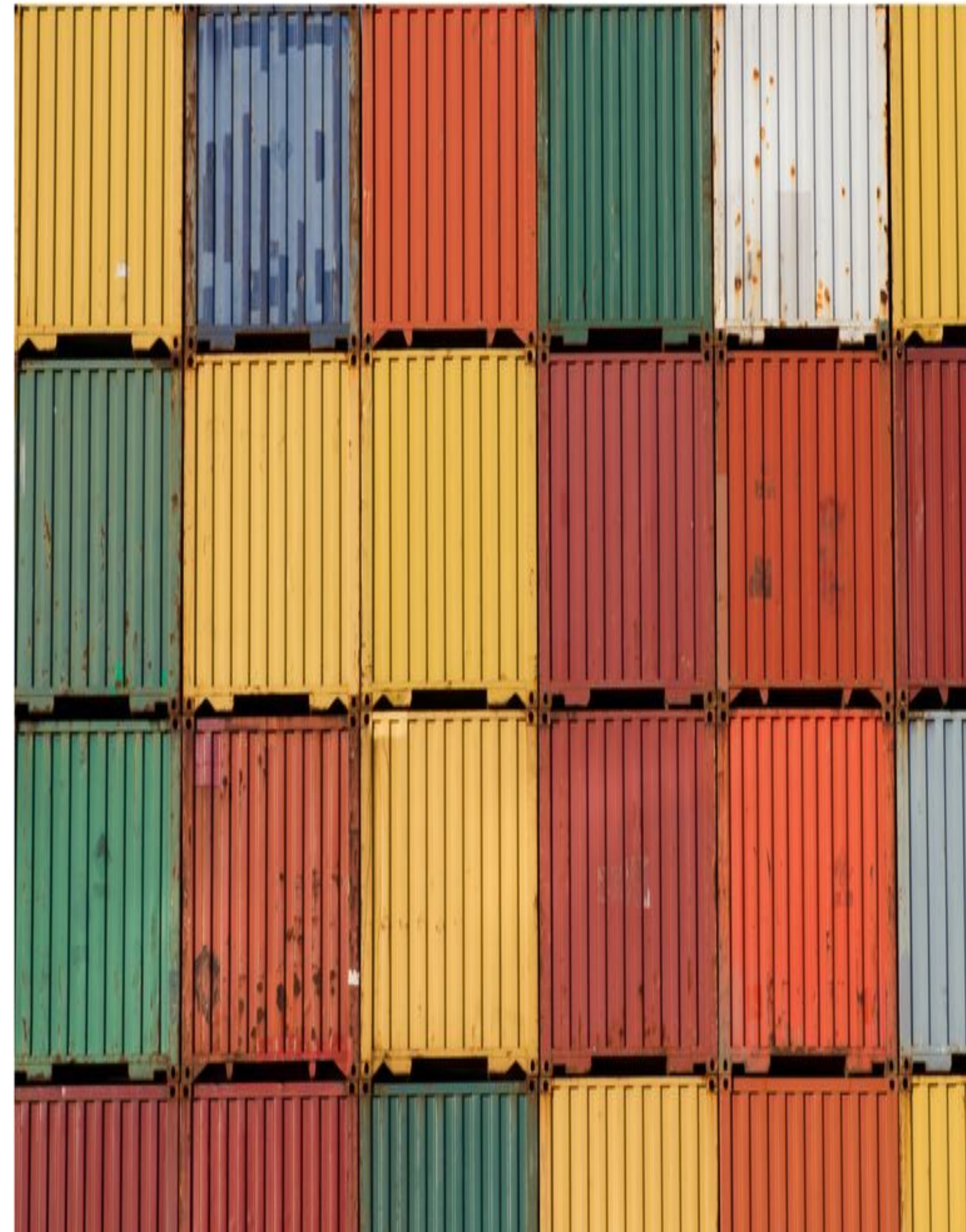
Containerization

Build, Ship, Run, Any App Anywhere!

April 26, 2019 | Nikhil Tripathy, OpenText Imaging

Agenda

- Introduction
- Docker
- Docker components
- Demo
- Q&A



What are Containers?

How containers solve the problem?

- Entire runtime is shipped application + libraries + binaries + config files. Underlying os and infra abstracted

Containers vs Virtualization

- No hypervisor needed. Lightweight.

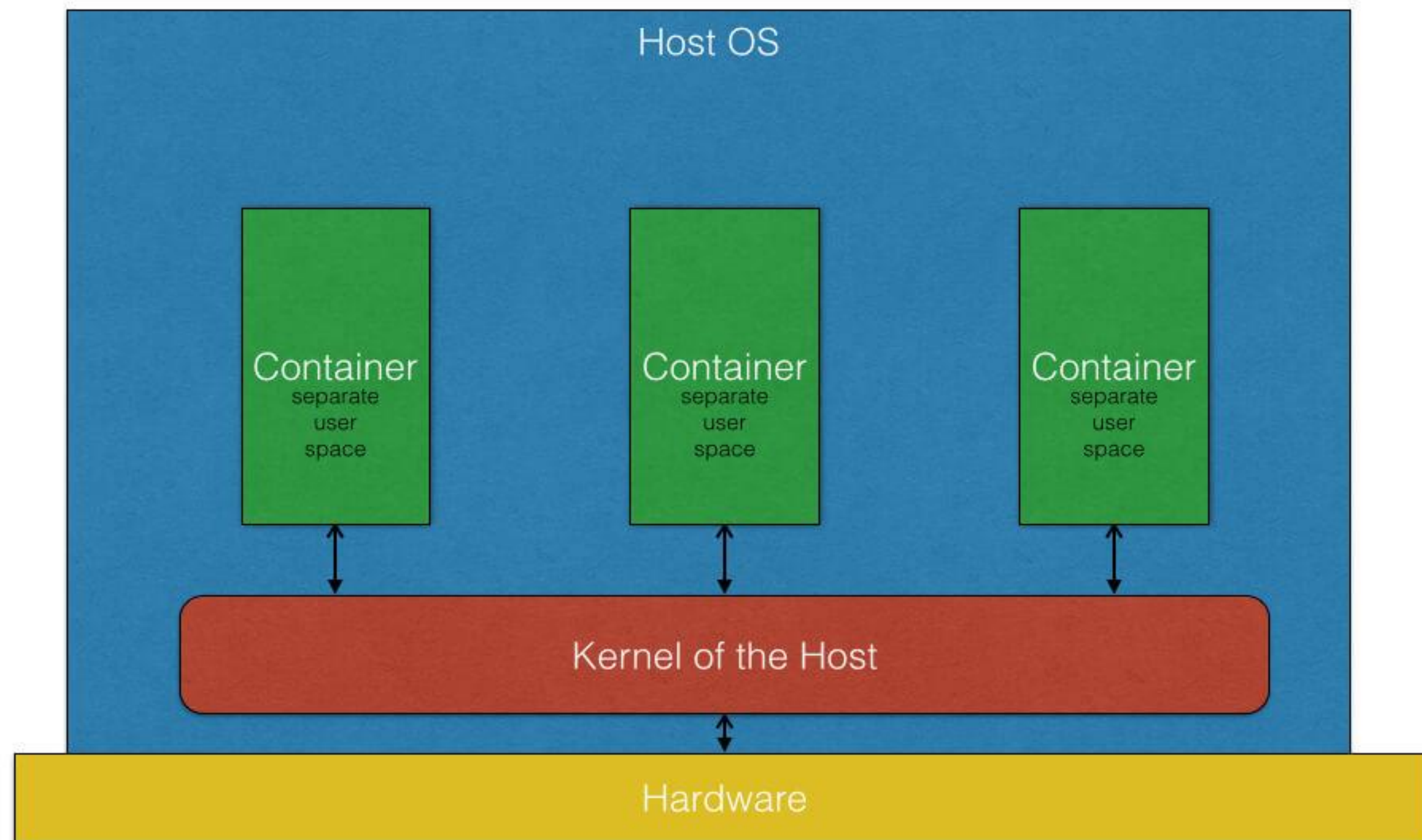
Benefits containers offer

- Size. Boot up time. Modularity.

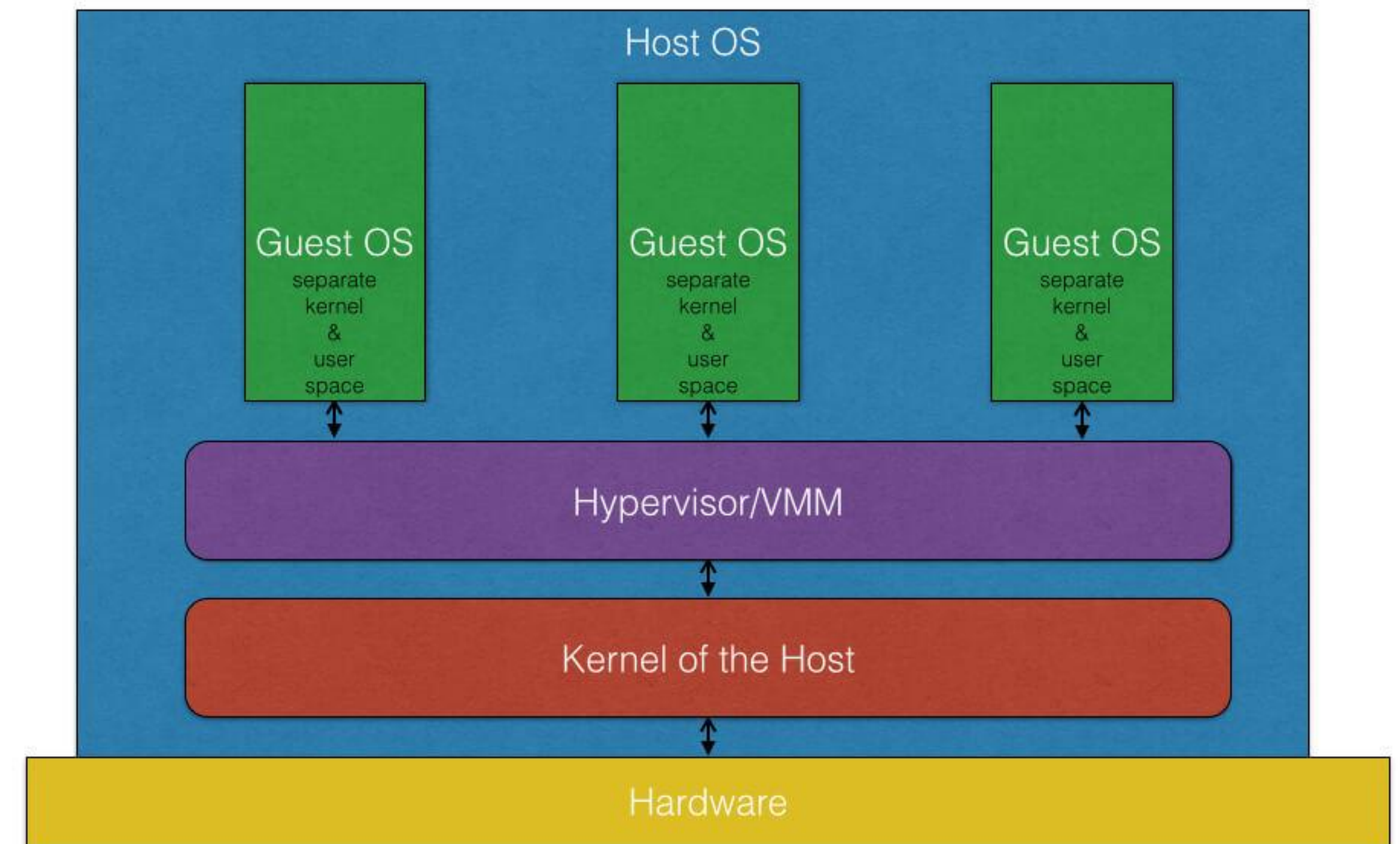
Container management system

Container security

Structural difference between containers and VMs



Operating System/Container Virtualization



Hypervisor based Virtualization

Docker

Docker concepts

Ecosystem terms

Docker Concepts

Docker Image

- Docker images are immutable master templates.

DockerFile

- Instruction on how docker should build your image.

Docker container

- Running image makes Docker container

Container registry

- Remote location where you keep your images

Docker essentials

Docker platform - Ability to package and run the app in a containers

Docker engine- Client-server app

Docker client

Docker deamon

Docker Volumes

Docker registry

Docker hub

Docker repository

Demo

Q&A

References

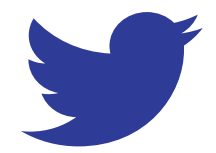
<https://docs.docker.com/>

<https://kubernetes.io/docs/tutorials/kubernetes-basics/>

https://docs.google.com/document/d/1on1nX4-EjT2Knu03NejR2-d_GidWV5ZASKI3A5m6Gio/edit?usp=sharing

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