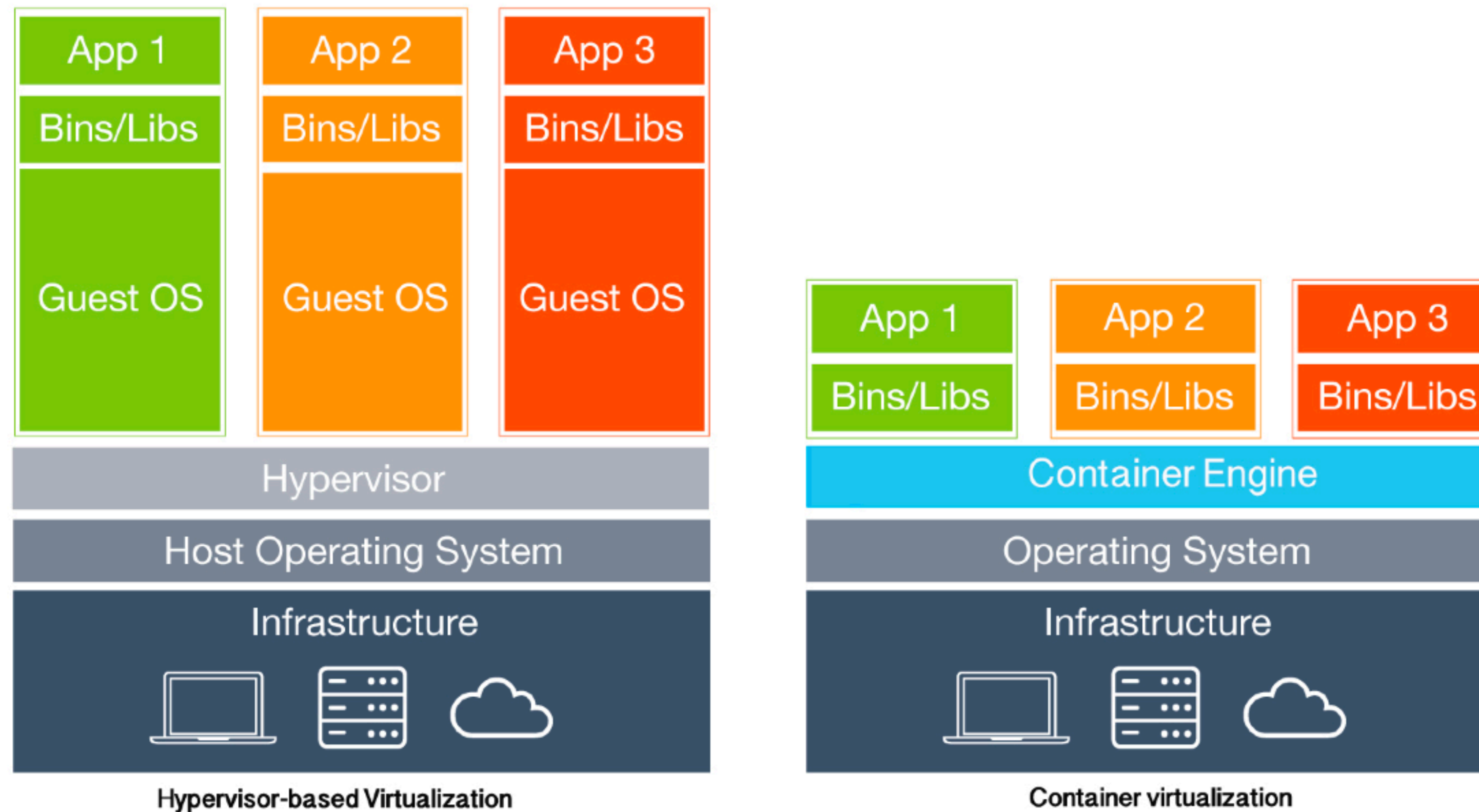


What are Containers

Virtual Machines Versus Containers



Source: twistlock

What are Containers

Why we have containers

- **Speed**...Speed: Containerised Apps start quickly
- **Small Image** – you don't need to package the OS binaries with the application.
Minimal Overhead
- **Efficient** – you can run more containerised Apps vs. VMs on the same CPU/memory since each container does not have an OS image
- **Portable** : containerised apps can be easily migrated between physical servers, private cloud and public cloud... and ***even Bare-Metal***
- **Scalable** – Efficiency and Portability scaling up/down is faster and simpler
- **Ease of Deployment: Shared Base Image, Registries, and Networking.**
- **Consistency** – Containers provide consistency across development, testing and production environments
- **Security** – Containers are more secure since the OS is the major attack service and since you manage fewer OS's you reduce the number of places that patches are required
- and