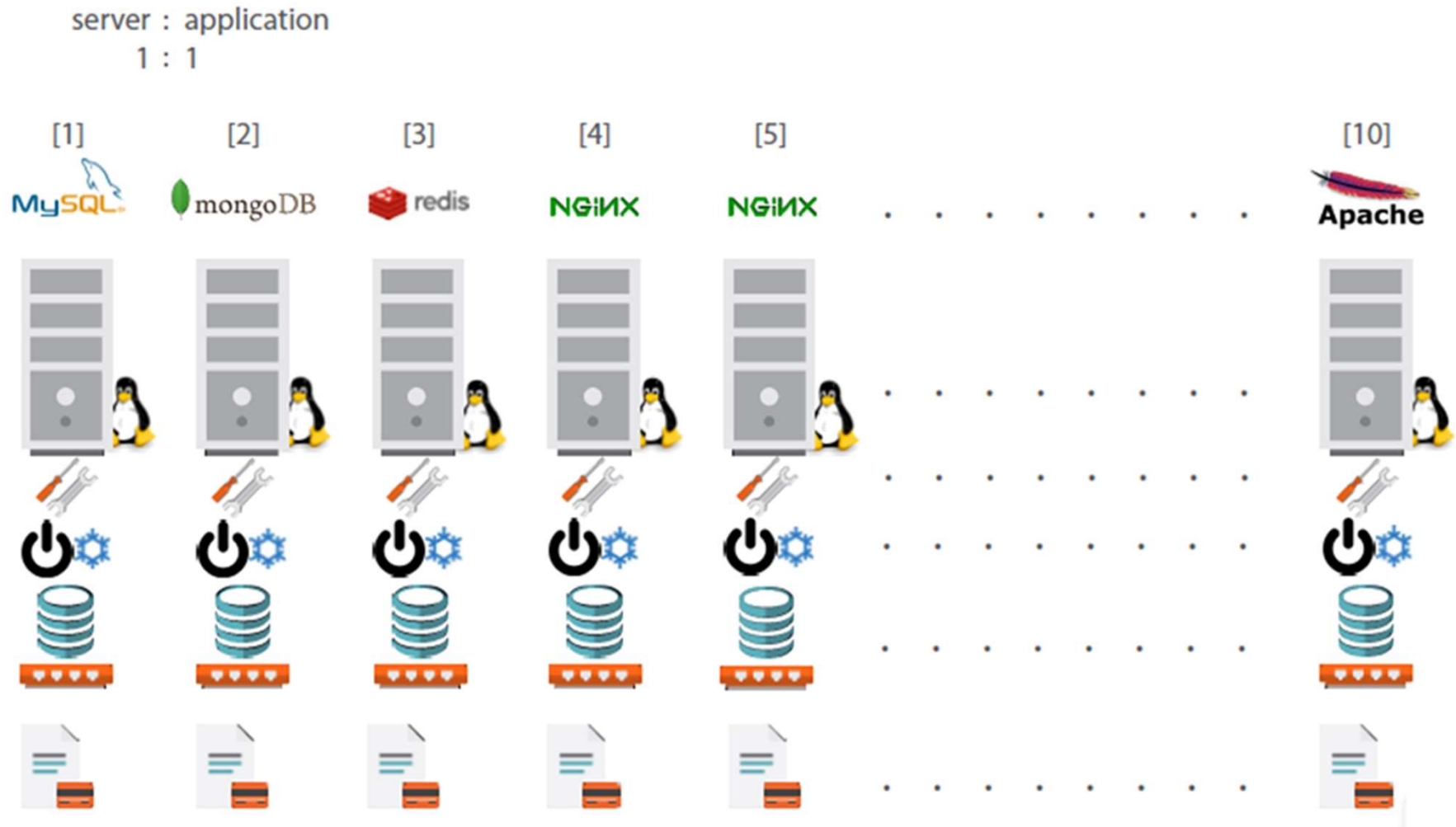


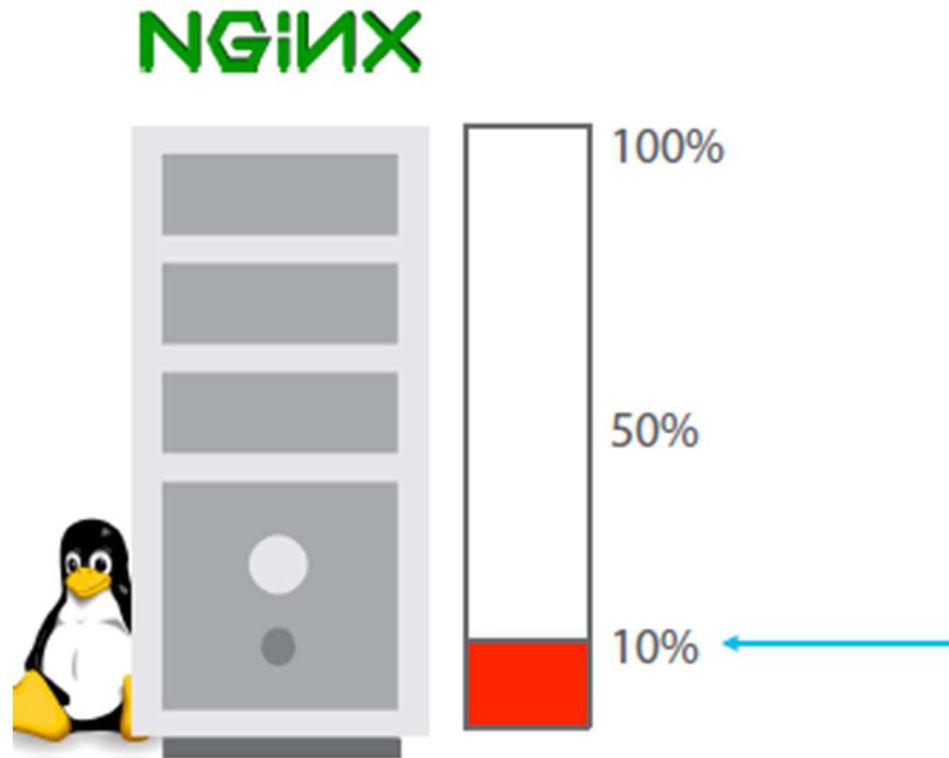
# Docker



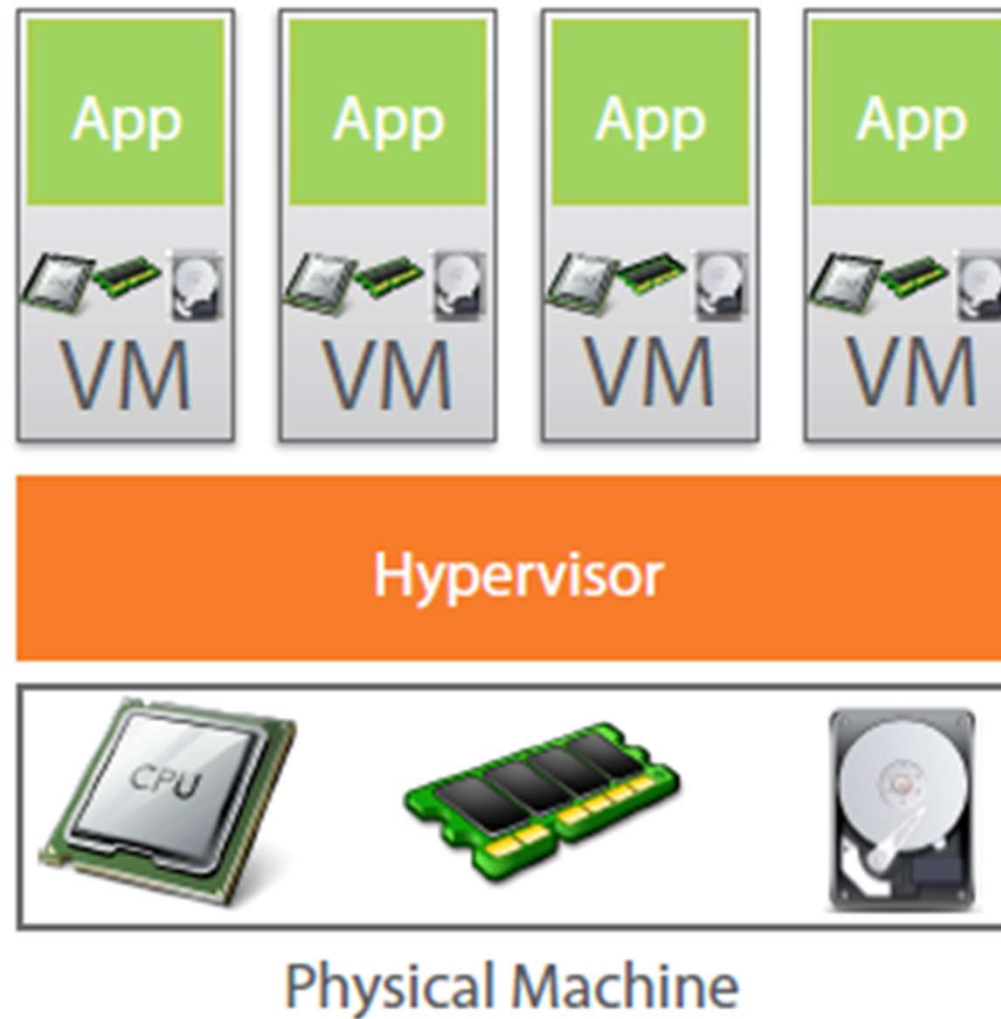
# Traditional Deployment Architecture



# Less Utilization in Traditional Architecture

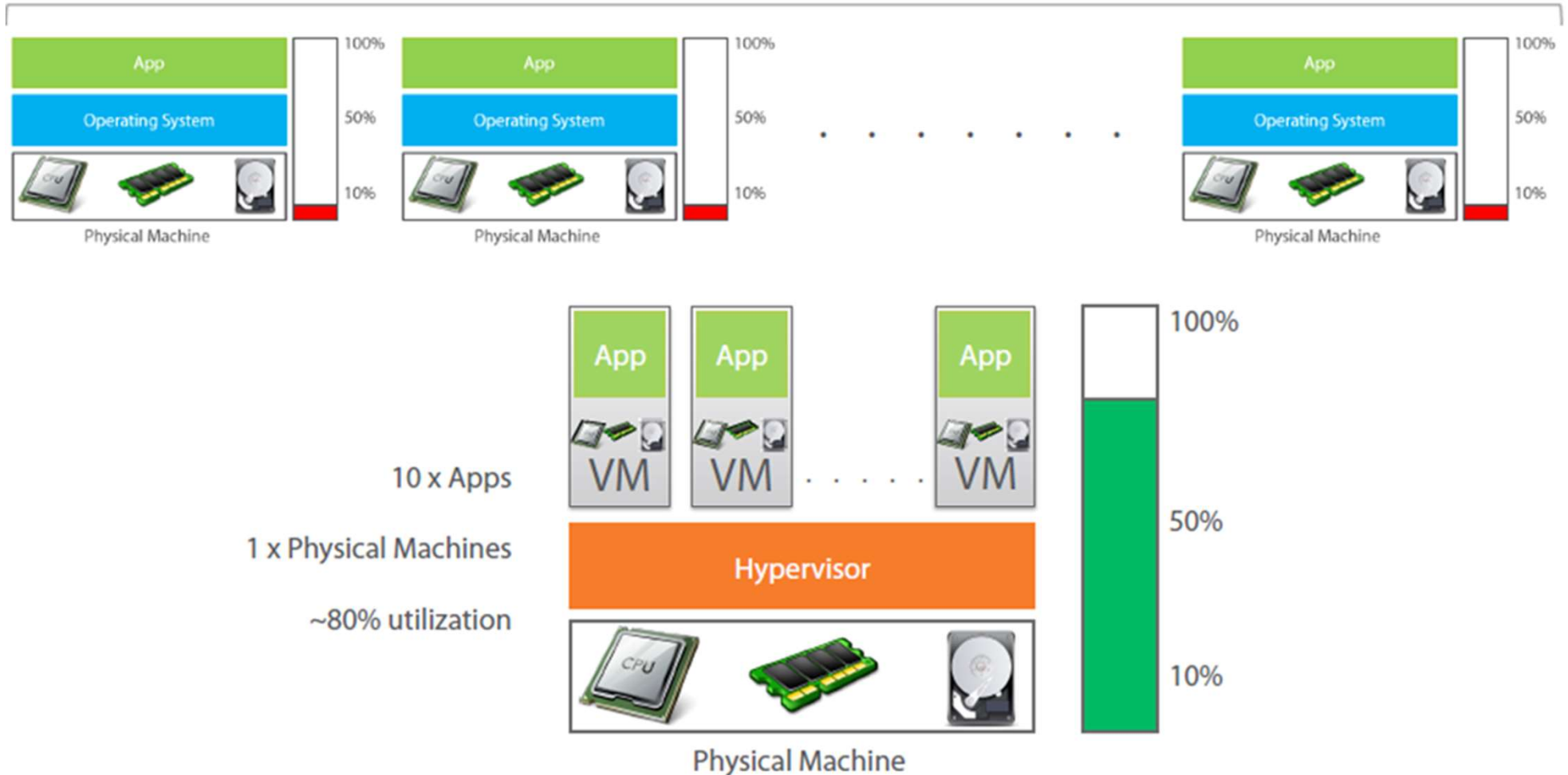


# Virtual Machine to the Rescue

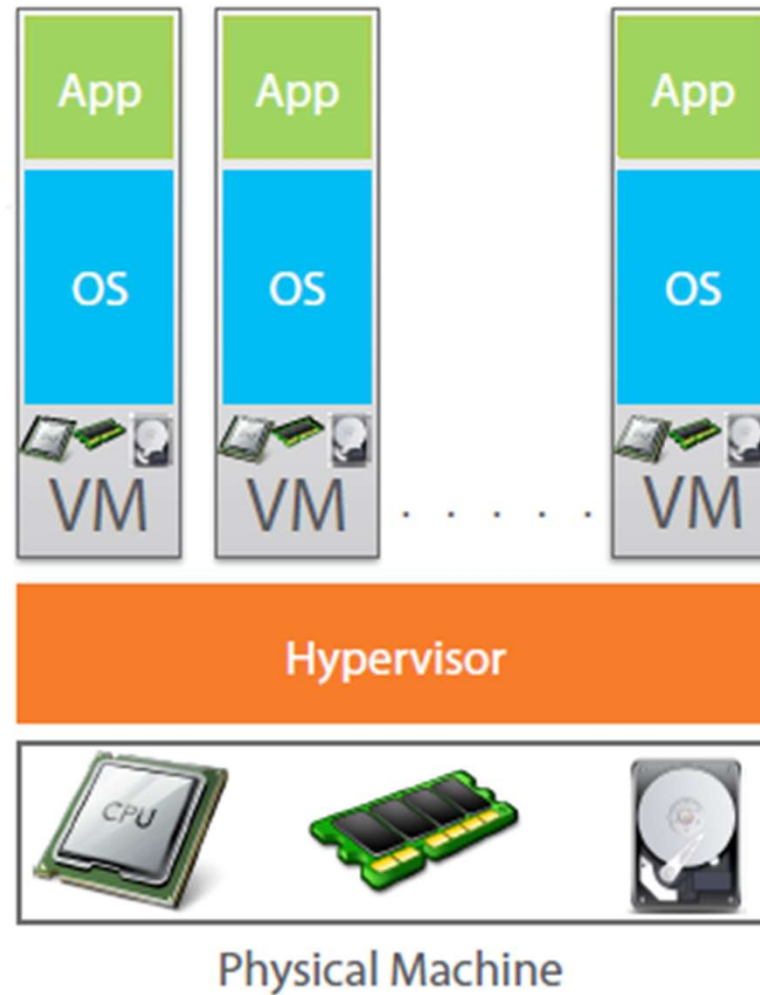


# Virtual Machine provides better utilization

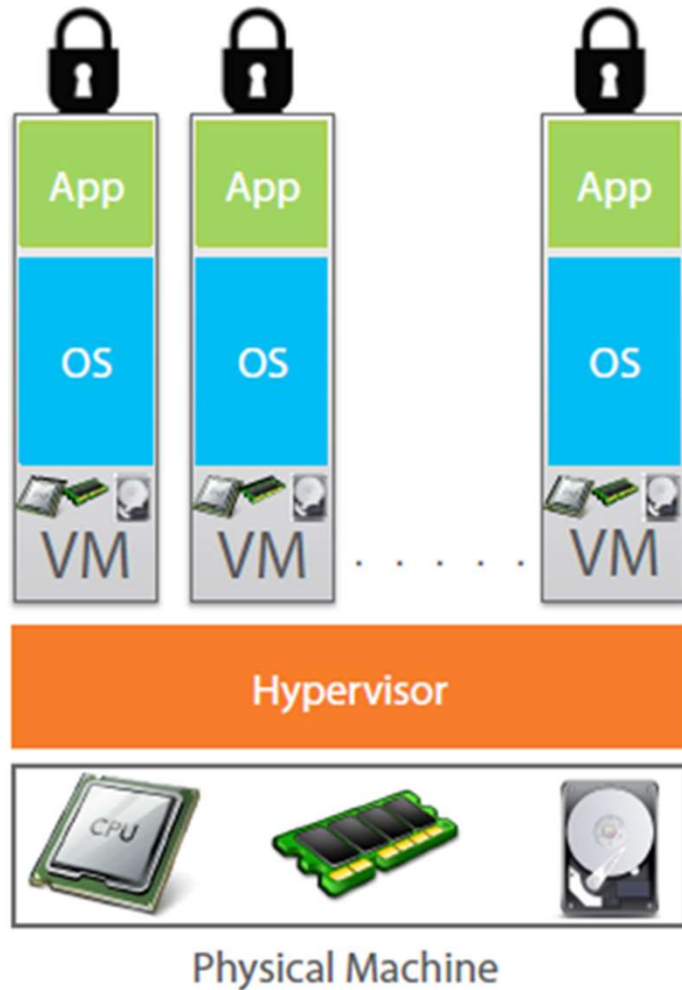
10 x Apps | 10 x Physical Machines | Less than 10% utilization



# Each VM needs a separate OS



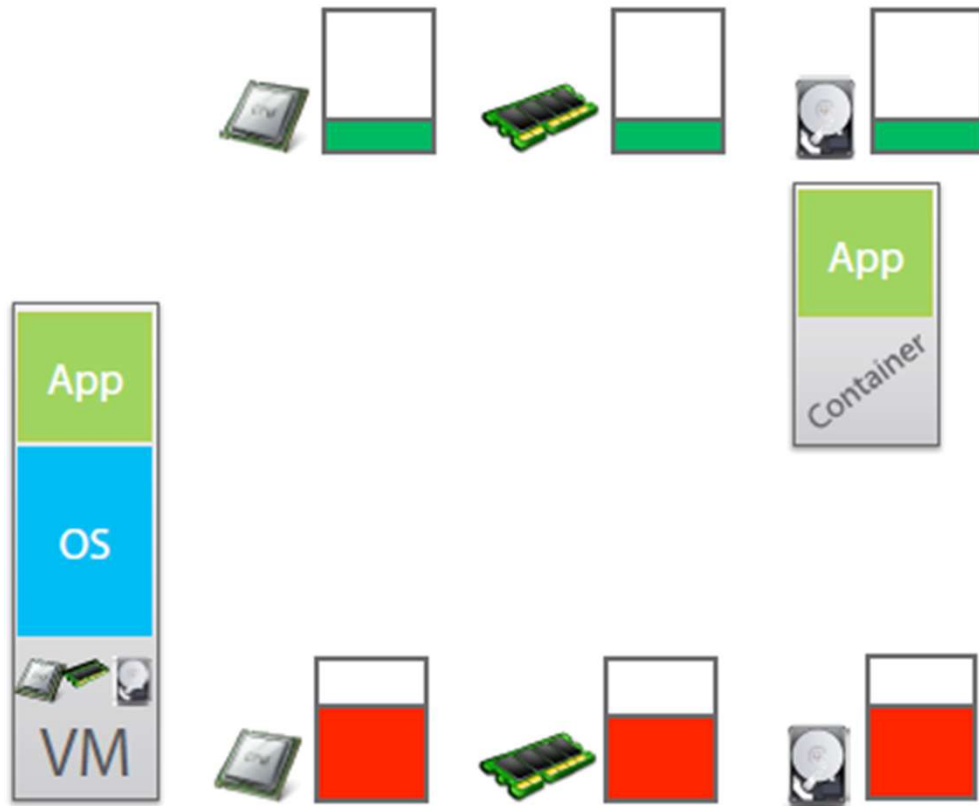
# OS takes most of the Resources



# Why use separate OS for each App?

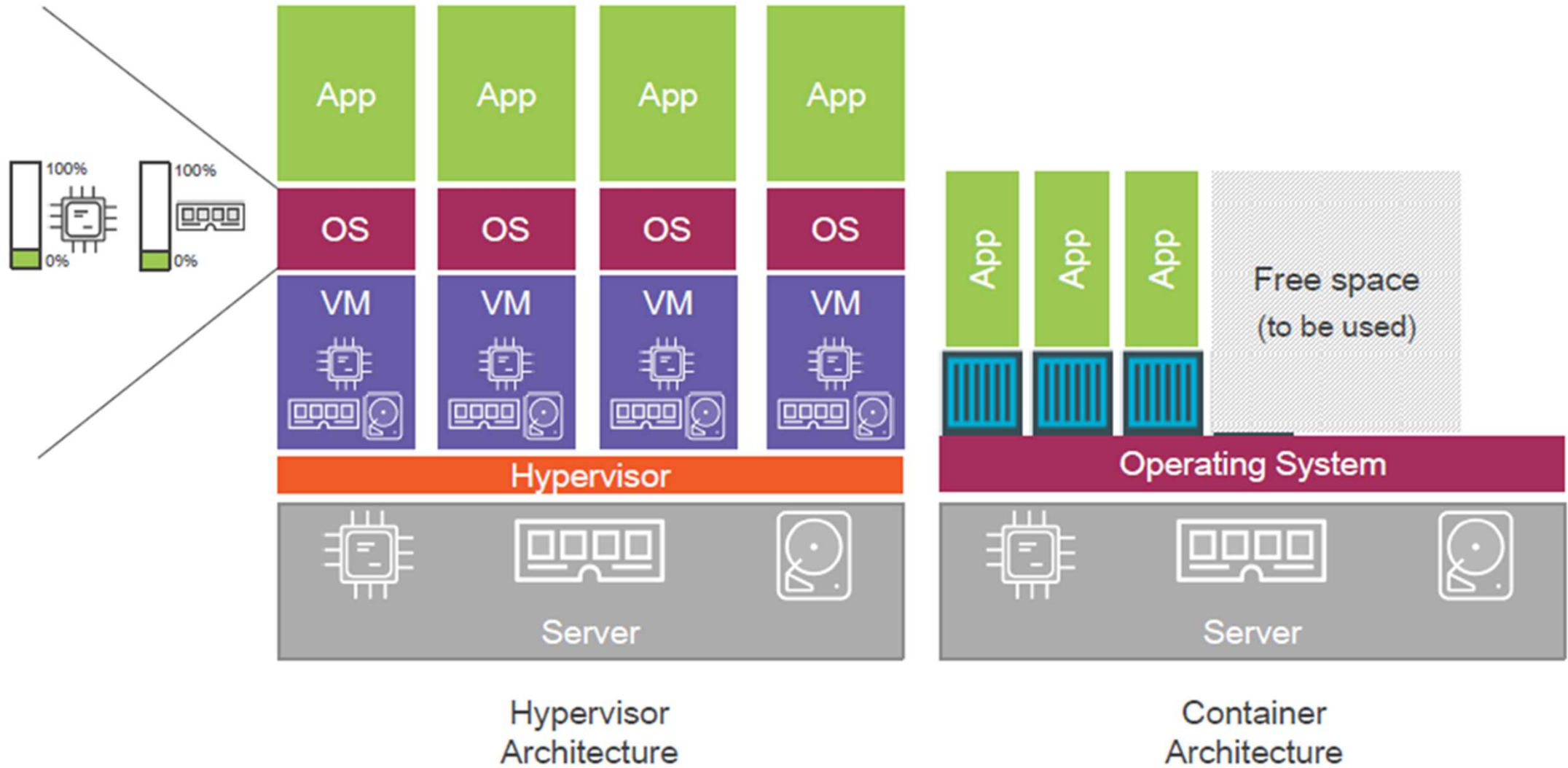


# Containers to the Rescue



Containers are more  
lightweight than  
Virtual Machines

# Containers vs VM



# What is Docker?

Docker is an open-source project

Makes it easy to create containers

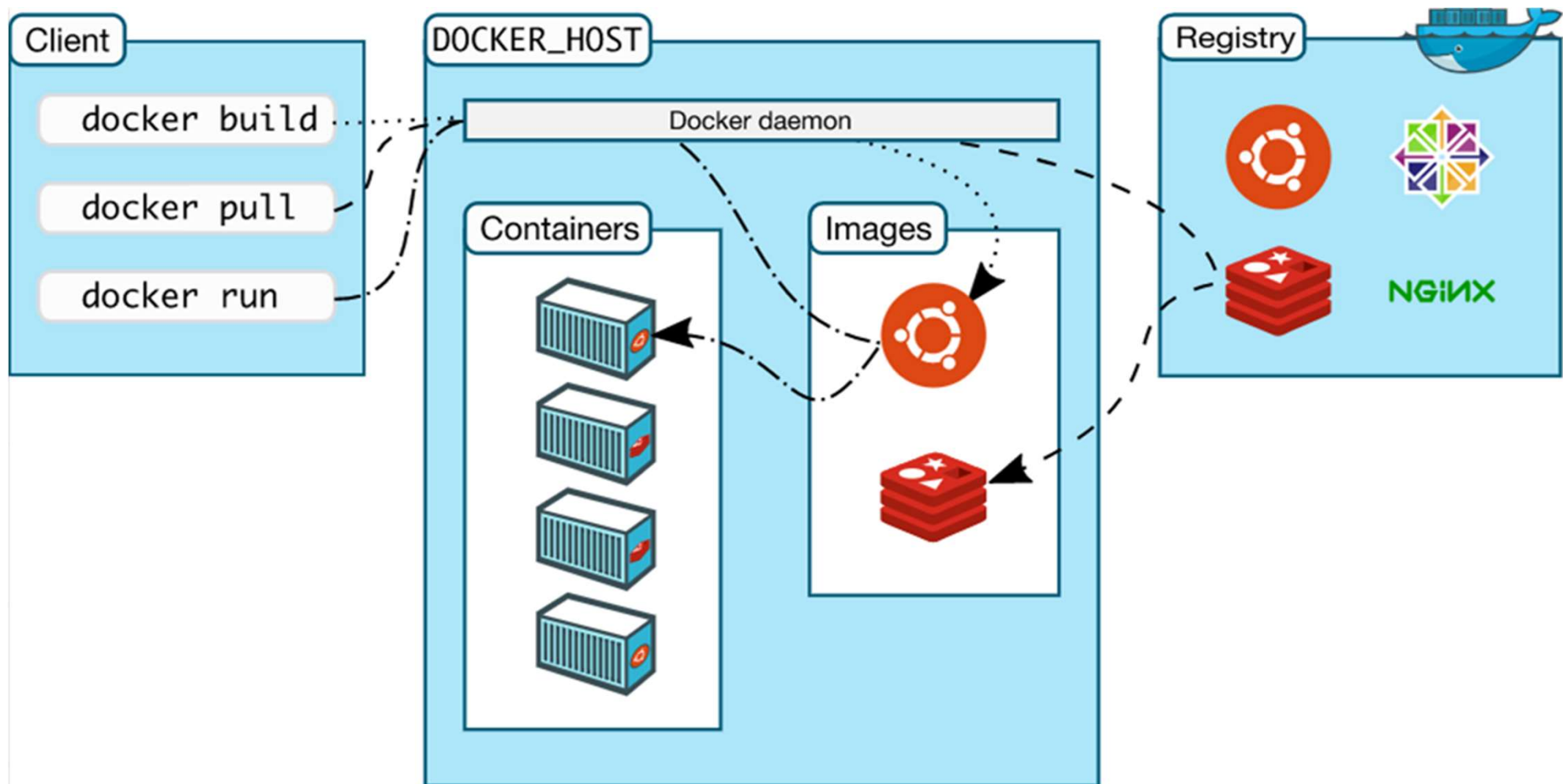
Automates the deployment of applications inside software containers

Quickly deploy and scale applications

## Docker alternatives

- LXD - Linux daemon by Ubuntu
- Containerd - A simple yet robust container runtime
- Podman - Open-source container engine for Linux
- Rkt - Pod-native, app container engine

# Docker Architecture





# Practical

*Thanks*